



BOARD OF TRUSTEES
REGULAR MEETING AGENDA

August 22, 2018
7:00 PM
151 Grant Avenue
Firestone, CO 80520

- 1. Call to Order & Roll Call**
- 2. Pledge of Allegiance**
- 3. Approval of Agenda**
- 4. Public Comment** *(maximum time permitted for all Public Comment is 30 minutes)
- 5. Consent Agenda**
 - 5.a.** Approval of August 8, 2018, Regular Meeting Minutes
 - 5.b.** Approval of Accounts Payable for August 22, 2018
 - 5.c.** Approval of July 2018 Summary of Cash & Investments
 - 5.d.** McClure Avenue Extension Construction - Change Order No. 3 & Payment Application No.7
 - 5.e.** Public Comment - Increasing time from Two Minutes to Three Minutes
 - 5.f.** Gould Property Alluvial Well Field Analysis Contract Amendment No. 1
- 6. Presentation**
 - 6.a.** Frederick-Firestone Fire Protection District - Chief Jeremy Young
- 7. Public Hearing**
 - 7.a.** Final Plat and Final Development Plan for Saddleback Filing No. 3
Resolution 18-30: A RESOLUTION APPROVING A FINAL PLAT AND FINAL DEVELOPMENT PLAN FOR SADDLEBACK FILING NO. 3

* Individuals that desire to address the Board of Trustees are requested to sign up at the table at the entrance to the meeting room. Each individual will be provided an opportunity to speak (limited to three minutes) during Public Comment. Maximum time permitted for all Public Comment is 30 minutes.

If you need special assistance in order to participate in a Board of Trustees meeting, please contact the Town Manager's Office at 303-833-3291 in advance of the meeting to make arrangements. A forty-eight-hour notice is requested.

- 7.b.** Proposed Final Plat and Final Development Plan for Cottonwood Hollow, F1
Resolution 18-31: A RESOLUTION APPROVING A FINAL PLAT AND FINAL DEVELOPMENT PLAN FOR COTTONWOOD HOLLOW, FILING 1

8. Discussion/Action

- 8.a.** Status Update Water Treatment Plant by FEI - Patrick O'Brien
- 8.b.** Road Preservation - Chip Seal for Town-wide Projects
- 8.c.** **Ordinance 942**: AN ORDINANCE APPROVING A LEASE AGREEMENT FOR A NEW SNOWBLOWER
- 8.d.** Phase 2 - Building and Site Package GMP Amendment for the Police Station
- 8.e.** **Resolution 18-32**: Approval of the First Amendment to the THK Contract - Parks Planning
- 8.f.** An Agreement Between the Town of Firestone and Arrakeen Resources LTD CO for Consulting Services
- 8.g.** Pavement Condition Survey

9. Public Comment *(maximum time permitted for all Public Comment is 30 minutes)

10. Reports

11. Adjournment

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If you need special assistance in order to participate in a Board of Trustees meeting, please contact the Town Manager's Office at 303-833-3291 in advance of the meeting to make arrangements. A forty-eight-hour notice is requested.

TOWN OF FIRESTONE, COLORADO
Board of Trustees Regular Meeting
August 8, 2018

1. CALL TO ORDER & ROLL CALL

The Board of Trustees of the Town of Firestone met for a Regular Meeting on August 8, 2018, at the Town Hall, 151 Grant Avenue, Firestone, Colorado. Mayor Sindelar called the meeting to order at 7:15 p.m.

The following were present upon the call of the roll:

Mayor: Bobbi Sindelar

Mayor Pro-tem: Drew Peterson

Trustees: Don Conyac
George Heath
Samantha Meiring
Frank A. Jimenez
Doug Sharp

Staff: **Present:** Sam Light, Town Attorney; Dave Lindsay; Engineer; Marjorie Wickham, Deputy Director of Finance; Leah Vanarsdall, Town Clerk; Tracy Case, Senior Planner; Julie Pasillas, Director of Community Resources; Theo Abkes, Public Works Director; Jennifer Weinberger, Asst Town Manager & A. J. Krieger, Interim Town Manager

2. APPROVAL OF AGENDA

Motion by Trustee Heath, **second** by Trustee Jimenez, to approve the Agenda. All in Favor, **Motion carried.**

4. PUBLIC COMMENT

Andrea & Rolf Kaumann – 6140 Vieyant Ave

5. CONSENT AGENDA

Motion by Trustee Conyac, **second** by Trustee Meiring, to approve the Consent Agenda. Roll Call Vote: Trustee Sharp – yes, Trustee Conyac – yes, Trustee Meiring – yes, Trustee Jimenez – yes, Mayor Pro- tem Peterson – yes, Trustee Heath – yes, Trustee Sharp – yes,. All in Favor, Motion carried. All in Favor, **Motion carried.**

6. PRESENTATION

- a. E-Cigarette Use and Concerns in the Community – Weld County Health Dept – Corrie Groesbeck & Shaley Maher

7. PUBLIC HEARING Open: 7:44pm Closed: 7:56 pm

Kirby Smith – Developer, Cameron Grant – Attorney & Bob Kelsey - Engineer

- a. **Resolution 18-27:** A RESOLUTION APPROVING FINAL PLATS AND FINAL DEVELOPMEN PLANS FOR NEIGHBORS POINT FILING NOS. 3 AND 4

Motion by Mayor Pro-tem Peterson, **second** by Trustee Jimenez to approve to include in the hearing record all materials included in Board packet, public comments received regarding the presentation and power point presentation presented this evening, all written comments for the application including emails or other correspondence that has been received from the public or has been referred, proofs of publication, notices and

mailing of notices, additionally applicable criteria, which include the Town of Firestone's MasterPlan, zoning and sub-division development regulations and the Town of Firestone's Development Regulations. **Voice Vote**, All in Favor, **Motion carried**.

Motion by Sharp, **second** by Trustee Conyac, to adopt **Resolution 18-27**: A RESOLUTION APPROVING FINAL PLATS AND FINAL DEVELOPMENT PLANS FOR NEIGHBORS POINT FILING NOS. 3 AND 4. **Roll Call Vote**: Trustee Conyac - yes, Trustee Meiring - yes, Trustee Jimenez - yes, Mayor Pro-tem Peterson - yes, Trustee Heath - yes, Trustee Sharp - yes. All in Favor, **Motion carried**.

Public Hearing for Resolution 18-28 & 18-29 - Open: 8:02 pm Closed: 8:20 pm

Jake Sippey - Developer & Cameron Grant - Attorney

Resolution 18-28: A RESOLUTION APPROVING A FINAL PLAT FOR BAREFOOT LAKES FILING NO. 1, SECOND REPLAT AND A FINAL DEVELOPMENT PLAN FOR BAREFOOT LAKES FILING NO. 1 FDP AMENDMENT NO. 3. **Motion** by Trustee Conyac, **second** by Trustee Meiring to approve to include in the hearing record all materials included in Board packet, public comments received regarding the presentation and power point presentation presented this evening, all written comments for the application including emails or other correspondence that has been received from the public or has been referred, proofs of publication, notices and mailing of notices, additionally applicable criteria, which include the Town of Firestone's MasterPlan, zoning and sub-division development regulations and the Town of Firestone's Development Regulations. **Voice Vote**, All in Favor, **Motion carried**.

Motion by Trustee Conyac, **second** by Trustee Sharp, to Adopt **Resolution 18-26**: A RESOLUTION APPROVING A FINAL PLAT BAREFOOT LAKES FILING NO. 1, SECOND REPLAT AND A FINAL DEVELOPMENT PLAN FOR BAREFOOT LAKES FILING NO. 1 FDP AMENDMENT NO. 3. **Roll Call Vote**: Trustee Conyac - yes, Trustee Meiring - yes, Trustee Jimenez - yes, Mayor Pro-tem Peterson - yes, Trustee Heath - yes, Trustee Sharp - yes. All in Favor, **Motion carried**.

Resolution 18-29: A RESOLUTION APPROVING A FINAL PLAT FOR A BAREFOOT LAKES FILING NO. 2 1ST REPLAT AND A FINAL DEVELOPMENT PLAN FOR BAREFOOT LAKES FILING NO. 2 FDP AMENDMENT NO. 1. **Motion** by Trustee Sharp, **second** by Trustee Jimenez, to Adopt **Resolution 18-29**: A RESOLUTION APPROVING A FINAL PLAT FOR A BAREFOOT LAKES FILING NO. 2 1ST REPLAT AND A FINAL DEVELOPMENT PLAN FOR BAREFOOT LAKES FILING NO. 2 FDP AMENDMENT NO. 1. **Roll Call Vote**: Trustee Meiring - yes, Trustee Jimenez - yes, Mayor Pro-tem Peterson - yes, Trustee Heath - yes, Trustee Sharp - yes, Trustee Conyac - yes. All in Favor, **Motion carried**.

8. DISCUSSION/ACTION ITEMS

- a. Request for Proposals (RFP) to provide Town Manager Recruitment Services to the Town of Firestone. **Motion** by Mayor Pro-tem Peterson, **second** by Trustee Meiring to approve the proposal for RFP for Town Manager Recruitment Services. **Roll Call**

Vote: Trustee Heath – yes, Trustee Sharp – yes, Trustee Conyac - yes Trustee Meiring – yes, Trustee Jimenez - yes, Mayor Pro-tem Peterson – yes. All in Favor,
Motion carried.

- b. Design Contract for Ramland Waterline Replacement. **Motion** by Trustee Heath, **second** by Trustee Meiring to approve the Design Contract for Ramland Waterline Replacement in an amount not to exceed \$25,100.00 and to authorize the Mayor to sign the Agreement. **Roll Call Vote:** Trustee Meiring – yes, Trustee Jimenez – yes, Mayor Pro-tem Peterson – yes, Trustee Heath - yes, Trustee Sharp – yes, Trustee Conyac - yes. All in Favor, **Motion carried.**

- c. **Ordinance 940:** AN ORDINANCE APPROVING A LEASE-PURCHASE AGREEMENT FOR A NEW STREET SWEEPER. **Motion** by Heath, **second** by Trustee Meiring, to adopt **Ordinance 940:** AN ORDINANCE APPROVING A LEASE-PURCHASE AGREEMENT FOR A NEW STREET SWEEPER. **Roll Call Vote:** Trustee Jimenez – yes, Mayor Pro-tem Peterson – yes, Trustee Heath – yes, Trustee Sharp – yes, Trustee Conyac – yes, Trustee Meiring – yes. All in Favor, **Motion carried.**

d. Planning Commission Appointment

- i. Appointment of one Regular Planning Commissioners by Mayor Bobbi Sindelar: Jaci Daggett – Term until January 2023

e. Parks, Trails and Recreation Advisory Board Appointment

- i. Appointment of Brandon Dewey to Parks, Trails Advisory Board.

9. **PUBLIC COMMENT** * (maximum time permitted for all Public Comment is 30 minutes)
None

10. **REPORTS**

- a. Staff – CBT Water Tour on September 19th, 2018.
b. Mayor –
c. Trustees –
d. Committee Updates

10. **EXECUTIVE SESSION** Open 9:01 pm Closed: 10:13 pm
Executive Session for discussion of a personnel matter under C.R.S. Section 246402(4)(f)
Discussion of Interim Town Manager Contract and Job Duties/Description

Motion by Trustee Meiring, **second** by Trustee Conyac, to adjourn into Executive Session for discussion of a personnel matter under C.R.S. Section 246402(4)(f) Discussion of Interim Town Manager Contract and Job Duties/Description. All in Favor,
Motion Carried.

Present in Executive Session were: Sam Light, Town Attorney; AJ Krieger, Interim Town Manager; Mayor Sindelar, Mayor Pro-tem Peterson, Trustees: Heath, Sharp, Conyac, Meiring, Jimenez.

11. REPORT FROM EXECUTIVE SESSION

Executive Session was held as shown above, no report.

12. ADJOURNMENT

Motion by Trustee Meiring, **second** by Trustee Conyac, to adjourn meeting at 10:21 pm.

Motion passed, all in favor.

Introduced and Approved this 22nd day of August, 2018.

TOWN OF FIRESTONE, COLORADO

Bobbi Sindelar, Mayor

ATTEST

Leah Vanarsdall, Town Clerk

Vendor

Amount

Total 3 MARGARITAS:	64.08
Total 4 RIVERS EQUIPMENT:	361.82
Total ACE HARDWARE OF FIRESTONE:	334.79
Total ALBERTSONS/SAFEWAY, INC.:	234.70
Total AMAZON:	557.55
Total AMERICAN CONSERVATION & BILLING SOLUTION:	200.00
Total AMERICAN DISPOSAL SERVICES OF COLORADO:	170.00
Total AMERICAN LEAK DETECTION OF NORTHERN COLO:	450.00
Total AMERICAN WATER WORKS ASSOCIATION:	60.00
Total ASPHALT SPECIALTIES CO., INC.:	1,648.67
Total ASSOCIATED LANDSCAPE CONTRACTORS OF COLO:	128.00
Total BAREFOOT RESIDENTIAL LLC:	171.59
Total Black Hills Energy:	210.28
Total BLACKJACK PIZZA:	87.84
Total BOW WOW PET WASTE PRODUCTS:	859.95
Total BUDGET CONFERENCING:	120.17
Total CARBON VALLEY FLORIST LLC:	125.00
Total CARROT-TOP INDUSTRIES INC:	251.20
Total CASELLE, INC.:	3,988.00
Total CASRO:	455.00
Total CENTRAL WELD COUNTY WATER DISTRICT:	20.00
Total CENTRAL WELD COUNTY WATER DISTRICT-TAPS:	71,531.60
Total CLEAR WATER SOLUTIONS, INC:	13,932.47
Total CMCA - SET REMIT ADDRESS:	380.00
Total COLORADO CPR ASSOCIATION:	340.00
Total COLORADO DEPT.OF PUBLIC HEALTH & ENVIRON:	1,540.00
Total COMCAST CABLE -0310188 - SEATTLE:	348.89
Total CPRA:	660.00
Total D STREET:	3,030.00
Total DAVIS & ASSOCIATES:	2,025.00
Total DBC IRRIGATION SUPPLY:	938.67
Total DRIVE TRAIN INDUSTRIES INC:	225.19
Total DROPBOX INC:	75.00
Total E&G Terminal, Inc:	194.46
Total E-470:	250.55
Total EFAX.COM:	21.69
Total EMPLOYEE REIMBURSEMENTS & PER DIEMS:	828.10
Total EMPLOYERS COUNCIL SERVICES, INC:	6,724.00

Vendor	Amount
Total EWING AUTO PARTS, INC.:	449.73
Total FAA STATE BOARD EXAM:	150.00
Total FACEBOOK:	40.00
Total FACTORY MOTOR PARTS CO.:	56.55
Total FIDELITY NATIONAL TITLE-DENVER:	113.28
Total FRONTIER BUSINESS PRODUCTS:	15.98
Total FRONTIER COMMUNICATIONS CORP.:	221.89
Total FRONTIER COMPUTER CORP.:	1,185.11
Total FUN SERVICES INC.:	707.80
Total G & M IMPLEMENT:	312.91
Total GRAINGER:	299.57
Total GUARDIAN TITLE-DENVER:	150.00
Total HERITAGE TITLE-DENVER:	44.25
Total HOBBY LOBBY:	72.34
Total HOME DEPOT CREDIT SERVICES:	831.78
Total iATN:	19.00
Total IMPRESSIONS MARKETING:	891.60
Total INTERSTATE RENTAL & SALES INC:	112.00
Total JOHNSON AUTO PLAZA:	40.00-
Total KING SOOPERS:	10.00
Total KULLY SUPPLY:	172.88
Total LAND TITLE-DENVER-2:	21.68
Total LAWRENCE JONES CUSTER GRASMICK, LLP:	10,879.27
Total LEONARD RICE ENGINEERS, INC:	98,823.00
Total LGI HOMES:	98.11
Total LIGHT KELLY, P.C.:	14,458.55
Total MAIN STREET MAT COMPANY, INC:	232.27
Total MARRIOT:	1,038.48
Total MATCO TOOLS:	396.15
Total MCGEE COMPANY:	252.50
Total MISC CREDIT CARD 1X MERCHANT:	1,446.92
Total MOUNTAIN CONSTRUCTORS, INC:	83,872.40
Total OCPO/CECTI:	60.00
Total OFFICE DEPOT INC:	71.46
Total O'REILLY AUTO PARTS:	271.22
Total PANERA BREAD:	171.32
Total PINNACOL ASSURANCE:	13,291.74
Total PITNEY GLOBAL FINANCIAL SERVICES LLC:	188.16
Total PRAIRIE MOUNTAIN PUBLISHING:	461.39

Vendor	Amount
Total PSYCHOLOGICAL DIMENSIONS, LLC:	325.00
Total RAINMASTER - iCENTRAL:	248.75
Total RARESTEP, INC:	322.72
Total RELIABLE TOWING & RECOVERY:	248.00
Total ROTH SHEPPARD ARCHITECTS, LLP:	80,750.60
Total RUPRECHT DRONES.COM:	39.97
Total S & B PORTA-BOWL RESTROOMS, INC:	294.00
Total SADDLEBACK GOLF CLUB, LLC:	520.64
Total SAFE BUILT COLORADO INC:	31,064.76
Total SAFETY AND CONSTRUCTION SUPPLY INC:	144.11
Total SAFEWAY STORE:	74.46
Total SAM'S CLUB:	366.99
Total SUPERIOR INTERNATIONAL INDUSTRIES:	409.62
Total SURVEY MONKEY:	336.00
Total Swank Motion Pictures:	1,156.00
Total THE SMOKEHOUSE:	59.19
Total TOWN OF FREDERICK:	64,604.20
Total THK ASSOCIATES, INC.:	31,550.42
Total TRACTOR SUPPLY COMPANY:	33.55
Total UME CUSTOM EMBROIDERY:	805.74
Total UNIFIED TITLE-GREELEY:	6.44
Total UNITED POWER:	9,982.06
Total UNITED POWER-BRIGHTON:	151,105.70
Total UTILITY REFUNDS -1:	138.07
Total VERIZON WIRELESS:	4,107.28
Total WAGNER WELDING SUPPLY CO.:	74.26
Total Wah Wok:	23.72
Total WALGREENS:	24.66
Total WALMART / WALMART.COM:	32.23
Total WCCR - DMV -WELD COUNTY DMV:	96.39
Total WELD COUNTY CLERK & RECORDER:	1,500.00
Total WESTEC CONSTRUCTION:	1,101.35
Total WEX BANK:	10,095.66
Total WICKHAM TRACTOR CO, Inc:	241.26
Total WORKWELL OCCUPATIONAL MEDICINE LLC:	405.00
Total XPRESS BILL PAY / XPRESS SOLUTIONS:	1,541.35
Total :	739,225.70
Grand Totals:	739,225.70

Vendor

Amount

Payables Summary

Accounts Payable Report

August 22, 2018

of Invoices - 328

\$ 739,198.39

<u>COMPANY NAME</u>	<u>DESCRIPTION</u>	<u>Pass-Through \$</u>	<u>Total Amt.</u>
Total of Invoices under \$25,000.00		\$ 12,746.00	\$ 230,041.70
Central Weld County Water District	July 2018 Water Tap Fees		\$ 71,531.60
Leonard Rice Engineers	July 2018 Concept Design Work		\$ 27,000.00
Mountain Constructors	McClure Ave Extension Work - Pay Ap-7		\$ 83,099.83
Roth Sheppard	July 18 PD Facility Architectural Services		\$ 80,750.60
Safe Built	July 2018 Building Department Services		\$ 31,064.76
Town of Frederick	McClure Ave Widening Electric Relocation		\$ 64,604.20
United Power - Brighton	Power onto Central Park: PD Facility and Future		\$ 151,105.70

Total Invoices, Current	\$ 12,746.00	\$ 739,198.39
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AP Adjustments between Invoice Register, Unpaid Report, Paid Report

Employee Reimbursements	Reissuing lost and voided check, previously approved May 2018	\$	67.31
Johnson Auto Plaza	Credit on account	\$	(40.00)

Total (to match Board AP Detail Reports)	\$ 739,225.70
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For further detail please see Finance Department.

Please direct any questions to Judy Scott ext. 256.

AGENDA INFORMATION MEMORANDUM

FIRESTONE TOWN BOARD OF TRUSTEES



AIM#: 5.c.

Consent Agenda

Meeting Date: August 22, 2018

Initiated By:

Dept: Finance/Accounting

AGENDA TITLE

Approval of July 2018 Summary of Cash & Investments

SUMMARY

HISTORY AND PREVIOUS BOARD ACTION

RECOMMENDATION

ALTERNATIVES

ATTACHMENTS

1. 5c - Cash Investments Summary July 2018

FINANCIAL CONSIDERATIONS

FIRESTONE SUMMARY OF CASH & INVESTMENTS

July 2018	DATE	RATE	MATURITY	BALANCE
Cash & Investments				
Deposit Accounts:				
1st Bank				
Checking Account (rate allowed to offset monthly fees only)	0.60%	Liquid	\$	412,550
Court Account	0.00%	Liquid		49
Savings Account	0.40%	Liquid		1,939,346
Xpress BillPay Deposit Account	0.00%	Liquid		136,996
Adams Bank & Trust				
Deposit Account	0.24%	Liquid		47,362
Petty Cash on Hand				
	N/A	Liquid		1,490
TOTAL Deposit Accounts and Cash				\$ 2,537,794
Restricted Deposit Accounts:				
ColoTrust Plus - Money Mkt/Daily Pooled Investment Accts				
UMB - COPS 2018 Construction Fund	2.19%	Liquid		13,962,717
UMB - COPS 2018 Reserve Fund	2.19%	Liquid		1,003,823
TOTAL Restricted Deposit Accounts				14,966,540
Money Market Accounts:				
C-SAFE - Money Mkt/Daily Pooled Investment Accts				
<i>Pooled Investment Account - AAAm</i>				
Operations (unrestricted Town assets)				
Liquid Assets	daily 2.10%	Liquid		28,934,636
Developer Bonds (restricted assets)				
Liquid Assets	daily 2.10%	Liquid		197,071
Urban Renewal Authority (restricted assets)				
Liquid Assets	daily 2.10%	Liquid		4,182,062
Conservation Trust Fund (restricted Town assets)				
Liquid Assets	daily 2.10%	Liquid		367,597
Adams Bank & Trust ICS Savings	daily 1.65%	Liquid		4,804,108
Total Money Market Assets				38,485,475
Cash & Investments				\$ 55,989,809
Certificates of Deposit				
Certificates of Deposit:				
Capital One Bank				
CD 140420B25 (Sigma GTR-034238)	8/10/2016	1.20%	8/12/2019	245,000
JP Morgan Chase				
CD 48126XCR4 (Sigma GTR-034238)	8/31/2016	1.60%	8/31/2021	245,000
TOTAL Certificates of Deposit				490,000
Certificates of Deposit				\$ 490,000
TOTAL ALL FUNDS				\$ 56,479,809

AGENDA INFORMATION MEMORANDUM

FIRESTONE TOWN BOARD OF TRUSTEES



AIM#: 5.d.

Consent Agenda

Meeting Date: August 22, 2018

Initiated By:

Dept: Planning & Zoning/ Building and Engineering

AGENDA TITLE

McClure Avenue Extension Construction - Change Order No. 3 & Payment Application No.7

SUMMARY

Construction of the McClure Avenue Extension is now 100% complete based on the original bid scope. We are anticipating one additional change order however because we have asked the contractor to install end caps and approach guardrails in addition to the guardrails already installed as a safety precaution and add skip striping along Colorado Boulevard in order to mitigate any possible confusion for the new lane redirects that occur due to the new turn lanes.

For specifics on the items included with Change Order No. 3, please refer to the Recommendation Memo, included. In summary, the Change Order adjusts bid quantities to as-built condition quantities and additional construction items as encountered during the construction process as directed by Public Works and Engineering.

Staff presents Change Order No. 3 and Payment Application No. 7 for consideration and action by the Board of Trustees.

HISTORY AND PREVIOUS BOARD ACTION

The Board of Trustees awarded the construction contract for the project to Mountain Constructors, Inc. at the regular meeting on December 13, 2017.

Construction on the project started January 15, 2018.

The Board of Trustees approved Change Order No. 1 at the regular meeting on February 28, 2018.

The Board of Trustees approved Change Order No. 2 at the regular meeting on April 25, 2018.

RECOMMENDATION

Staff recommends the Board of Trustees approve Change Order No. 3 to the contract with Mountain Constructors Inc. in the amount of \$19,016.50 and authorize the Mayor to execute the change order on behalf of the Town.

Staff recommends the Board of Trustees approve Payment Application No. 3 for Mountain Constructors Inc. in the amount of \$83,099.83 and authorize the Mayor to execute the pay app on behalf of the Town.

ALTERNATIVES

The items included in the change order were directed by staff and have been completed. Unless there is a defect claim by the Town for the work completed the change order should be approved.

Unless there is a defect claim by the Town for any of the work completed, the payment application should be approved and payment made.

ATTACHMENTS

1. 0668.0188.01 Memo (CO No. 3 PA No. 7)-2018.08.15
2. CHANGE ORDER NO 3_
3. Pay App #7 - McClure Ave.

FINANCIAL CONSIDERATIONS

This payment is for \$83,099.83 and brings the total payments for the project to \$1,866,190.36. The budget for the project is \$1,920,902.75 and is being funded from the Regional Roadway Impact Fee fund.



TO: Mr. Theo Abkes, Firestone Public Works Director

FROM: Dave Lindsay, Colorado Civil Group, Inc., Town Engineer *DL*
Lindsey Green, Colorado Civil Group, Inc., Town Engineer *LG*

DATE: August 15, 2018

SUBJECT: McClure Avenue Extension Project Change Order No. 3 & PA No. 7

PROJECT No.: 0668.0188.01

GL #: 2820-450700-968-219

This memo has been prepared to provide supporting documentation for Change Order No. 3 and Payment Application No. 7 for the McClure Avenue Extension Project. The original construction contract amount of \$1,854,643.75 was awarded to Mountain Constructors, Inc. at the Town Board meeting on December 13, 2017, Change Order No. 1 was approved at the Town Board meeting on February 28, 2018 for \$82,440.00, Change Order No. 2 was approved at the Town Board Meeting on April 25, 2018 for \$8,310.65. The project is now 100% complete based on the original bid scope, however we have asked the contractor to complete some additional items in order to fully finalize the project.

Change Order No. 3

Item No. 1 – Original Bid Items:

This portion of the Change Order contains the quantity adjustments for the entire project to properly reflect the work completed by the contractor and mimic the asbuilt condition. This resulted in a \$ 7,048.50 credit to the overall project.

Item No. 2 – Additional Work:

This portion of the Change Order includes new items performed by the contractor in order to properly complete the project as directed by Public Works and the Town Engineer based on field conditions encountered at the time. In more specifics, the following was completed:

- Additional measures (flowfill) were required during the construction process in order to prepare a proper subgrade for pavement along McClure Avenue due to an existing gas line and the buried depth of it.
- A trickle pan was installed within the roadside swale at the northwest corner of Colorado Blvd and Majestic Street above an existing gas line in order to provide the proper clearance since the existing swale was regraded to accommodate the new storm sewer pipe. Slope protection blankets were also installed since the side slopes of the swale exceeded the typical 4:1.

- It was necessary to grind off the existing striping along Colorado Boulevard in order to properly place the new striping and lane configuration.
- A concrete cap was poured atop of the block retaining wall in order to finish the wall off nicely and mitigate a place for storm water to build up.
- The improvements east of the McClure Avenue and Dunmire Street were not completed with this project, so it was not necessary to install some of the signs that the contractor had already ordered. The Town will purchase the signs and use them for the McClure Avenue Widening Project.

These additional items resulted in a net change of \$ 26,065.00 to the project.

The net change to the overall contract is a **\$19,016.50** increase. We anticipate one final change order. We have asked the contractor to install end caps and approach guardrails in addition to the guardrails already installed as a safety precaution and add skip striping along Colorado Boulevard in order to mitigate any possible confusion for the new lane redirects that occur due to the new turn lanes. We will also be finalizing a time only change order, to officially end the project contract time.

Payment Application No. 7

The project is 100% complete based on the original project scope. Payment Application No. 3, included with this memorandum, has a total payment due of **\$83,099.83**.

The project budget tracking is summarized below, assuming approvals of Change Order No. 3 and Pay App No. 7:

DESCRIPTION	2018 BUDGET	CONTRACT AMOUNT	ACTUAL COST	ACTUAL to CONTRACT DIFFERENCE
Construction	\$1,920,902.75	\$1,964,410.90	\$1,866,190.36	\$98,220.54
Materials Testing	\$31,695.00	\$12,510.00	\$12,509.25	\$0.75
Construction Engineering	\$147,910.00	\$67,227.50	\$67,280.01	(\$52.51)
Frederick Electric Relocation*	\$0.00	\$277,777.50	\$277,777.50	\$0.00
Bridge Fabrication (Contech)	\$0.00	\$144,000.00	\$144,000.00	\$0.00
Total Project	\$2,100,507.75	\$2,465,925.90	\$2,367,757.12	\$98,168.78
*2017 expenditure				

Please include a check of **\$83,099.83** to Mountain Constructors, Inc. in the next check run for the August 22, 2018 Town Board meeting. If you have any questions regarding this memo, the budget, or the project in general, please do not hesitate to contact me.

SECTION 00941
CHANGE ORDER

No. 3

Date of Issuance: 8/17/18

Effective Date: 8/17/18

Project: McClure Avenue Extension	Owner: Town of Firestone	Owner's Contract No.: 2820-450700-968-219
Contract: Construction Services	Date of Contract: January 14, 2018	
Contractor: Mountain Constructors, Inc.	Engineer's Project No.: 0668.0188.01	

The Contract Documents are modified as follows upon execution of this Change Order:

Description:

See attached detail.

Attachments (list documents supporting change):

Descriptions

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price:	Original Contract Times: (Calendar days)
\$ 1,854,643.75	Substantial completion (days or date): <u>July 27, 2018</u>
	Ready for final payment (days or date): <u>August 10, 2018</u>
Increase or Decrease from previously approved Change Orders No. <u>0</u> to No. <u>2</u> :	Increase or Decrease from previously approved Change Orders No. <u>0</u> to No. <u>1</u> :
\$ 90,750.65	Substantial completion (days): <u>0</u>
	Ready for final payment (days): <u>0</u>
Contract Price prior to this Change Order:	Contract Times prior to this Change Order:
\$ 1,945,394.40	Substantial completion (days or date): <u>July 27, 2018</u>
	Ready for final payment (days or date): <u>August 10, 2018</u>
Increase of this Change Order:	Increase of this Change Order:
\$ 19,016.50	Substantial completion (days or date): <u>0</u>
	Ready for final payment (days or date): <u>0</u>
Contract Price incorporating this Change Order:	Contract Times with all approved Change Orders:
\$ 1,964,410.90	Substantial completion (days or date): <u>July 27, 2018</u>
	Ready for final payment (days or date): <u>August 10, 2018</u>

RECOMMENDED:

By: [Signature]
Engineer (Authorized Signature)

Date: 8-17-18

ACCEPTED:

By: _____
Owner (Authorized Signature)

Date: _____

ACCEPTED:

By: _____
Contractor (Authorized Signature)

Date: _____

DESCRIPTION:

Item No. 1 – NET CHANGE = (\$7,048.50)

Quantities are being adjusted to properly reflect the work completed by the contractor and reflect the asbuilt condition.

Revised Item 2. ASPHALT REMOVAL

Adjusted Quantity = 635 SY (Decrease 40 SY)

Unit Price = \$ 7.00

Net Change = (\$ 280.00)

Revised Item 8. STRAW WATTLES

Adjusted Quantity = 30 EA (Increase 20 EA)

Unit Price = \$ 100.00

Net Change = \$ 2,000.00

Revised Item 9. SILT FENCE

Adjusted Quantity = 1,045 LF (Decrease 1,045 LF)

Unit Price = \$ 1.60

Net Change = (\$ 1,672.00)

Revised Item 11. GRAVEL CURB SOCK

Adjusted Quantity = 60 LF (Decrease 60 LF)

Unit Price = \$ 20.00

Net Change = (\$ 1,200.00)

Revised Item 29. HANDRAIL

Adjusted Quantity = 437 LF (Increase 143 LF)

Unit Price = \$ 130.00

Net Change = \$ 18,590.00

2425

Revised Item 35. 6' CROSS PAN

Adjusted Quantity = 0 EA (Decrease 1 EA)

Unit Price = \$ 4,000.00

Net Change = (\$ 4,000.00)

Revised Item 37. ASPHALT PAVEMENT – 5" FULL DEPTH

Adjusted Quantity = 14,538 SYI (Decrease 462 SYI)

Unit Price = \$ 6.00

Net Change = (\$ 2,772.00)

Revised Item 42. 4" SOLID DOUBLE YELLOW STRIPE

Adjusted Quantity = 2,331 LF (Increase 1,516 LF)

Unit Price = \$ 2.50

Net Change = \$ 3,790.00

Revised Item 43. 4" SOLID YELLOW STRIPE

Adjusted Quantity = 0 LF (Decrease 1,940 LF)

Unit Price = \$ 1.25

Net Change = (\$ 2,425.00)

Revised Item 44. 4" SOLID YELLOW STRIPE
Adjusted Quantity = 1,680 LF (Increase 135 LF)
Unit Price = \$ 1.25
Net Change = \$ 168.75

Revised Item 45. 8" SOLID WHITE STRIPE
Adjusted Quantity = 1092 LF (Increase 47 LF)
Unit Price = \$ 2.50
Net Change = \$ 117.50

Revised Item 46. 4" SOLID YELLOW MEDIAN STRIPING
Adjusted Quantity = 0 SF (Decrease 2,885 SF)
Unit Price = \$ 3.75
Net Change = (\$10,818.75)

Revised Item 47. STOP BAR THERMOPLASTIC SYMBOL
Adjusted Quantity = 5 EA (Decrease 3 EA)
Unit Price = \$ 1,550.00
Net Change = (\$4,650.00)

Revised Item 48. CROSSWALK THERMOPLASTIC SYMBOLS
Adjusted Quantity = 4 EA (Decrease 1 EA)
Unit Price = \$ 300.00
Net Change = (\$300.00)

Revised Item 49. STRAIGHT ARROW/RIGHT ARROW COMBO THERMOPLASTIC SYMBOL
Adjusted Quantity = 2 EA (Decrease 2 EA)
Unit Price = \$ 550.00
Net Change = (\$1,100.00)

Revised Item 51. LEFT ARROW THERMOPLASTIC SYMBOL
Adjusted Quantity = 7 EA (Decrease 1 EA)
Unit Price = \$ 325.00
Net Change = (\$325.00)

Revised Item 54. STOP SIGN & POST INSTALLATION (INCLUDING STREET NAME BLADES)
Adjusted Quantity = 2 EA (Decrease 1 EA)
Unit Price = \$ 650.00
Net Change = (\$ 650.00)

Revised Item 56. DO NOT ENTER SIGN & POST INSTALLATION
Adjusted Quantity = 2 EA (Decrease 1 EA)
Unit Price = \$ 550.00
Net Change = (\$ 550.00)

Revised Item 75. DRIVEWAY CUT CURB & GUTTER
Adjusted Quantity = 36 LF (Decrease 36 LF)
Unit Price = \$ 27.00
Net Change = (\$ 972.00)

Item No. 2 – ADDITIONAL WORK - NET CHANGE = \$26,065.00

Additional measures (flowfill) were required during the construction process in order to prepare a proper subgrade for pavement along McClure Avenue due to an existing gas line and the buried depth of it.

A trickle pan was installed within the roadside swale at the northwest corner of Colorado Blvd and Majestic Street above an existing gas line in order to provide the proper clearance since the existing swale was regraded to accommodate the new storm sewer pipe. Slope protection blankets were also installed since the side slopes of the swale exceeded the typical 4:1.

It was necessary to grind off the existing striping along Colorado Boulevard in order to properly place the new striping and lane configuration.

A concrete cap was poured atop of the block retaining wall in order to finish the wall off nicely and mitigate a place for storm water to build up.

The improvements east of the McClure Avenue and Dunmire Street were not completed with this project, so it was not necessary to install some of the signs that the contractor had already ordered. The Town will purchase the signs and use them for the McClure Avenue Widening Project.

New Item 79. FLOW FILL

Quantity = 80

Unit = CY

Unit Price = \$ 150.00

Net Change = \$ 12,000.00

New Item 80. TRICKLE PAN (COLORADO BLVD)

Quantity = 53

Unit = LF

Unit Price = \$ 22.00

Net Change = \$ 1,166.00

New Item 81. SLOPE PROTECTION BLANKETS

Quantity = 311

Unit = SY

Unit Price = \$ 4.00

Net Change = \$ 1,244.00

New Item 82. 12" RIPRAP

Quantity = 4.4

Unit = CY

Unit Price = \$ 95.00

Net Change = \$ 418.00

New Item 83. STRIPING REMOVAL

Quantity = 1,475

Unit = SF

Unit Price = \$ 6.88

Net Change = \$ 10,148.00

New Item 84. CONCRETE CAP

Quantity = 1.4

Unit = CY

Unit Price = \$ 635.00

Net Change = \$ 889.00

New Item 85. DO NOT ENTER SIGN

Quantity = 1

Unit = EA

Unit Price = \$ 100.00

Net Change = \$ 100.00

New Item 86. STOP SIGN

Quantity = 1

Unit = EA

Unit Price = \$ 100.00

Net Change = \$ 100.00

APPLICATION FOR PAYMENT

PROGRESS PAYMENT No. 7

July 1, 2018 TO July 27, 2018

CONTRACTOR : MOUNTAIN CONSTRUCTORS, INC.
OWNER: TOWN OF FIRESTONE
ENGINEER : COLORADO CIVIL GROUP, INC.
CONTRACT : MCCLURE AVENUE EXTENSION PROJECT

ITEM	DESCRIPTION	BID UNIT	BID QUANTITY	QUANTITY COMPLETED TO DATE	THIS PERIOD	UNIT BID PRICE	AMOUNT COMPLETED TO DATE	THIS PERIOD
McClure Avenue Extension Project								
REMOVAL & REPLACEMENT								
1	ASPHALT/CONCRETE SAW-CUT	LF	1,115	1,115	0	\$2.25	\$ 2,503.75	\$ -
2	ASPHALT REMOVAL (CO#3)	SY	635	635	0	\$7.00	\$ 4,445.00	\$ -
3	CONCRETE REMOVAL	SF	3,640	3,640	0	\$1.25	\$ 4,550.00	\$ -
4	EXISTING CONCRETE CHANNEL REMOVAL	LF	570	570	0	\$9.00	\$ 5,130.00	\$ -
5	REMOVE EX TREE (CO#2)	EA	8	8	0	\$775.00	\$ 6,200.00	\$ -
6	REMOVE & RELOCATE EX FENCE	LF	400	200	200	\$12.00	\$ 2,400.00	\$ 2,400.00
7	EXISTING CULVERT/FES REMOVAL	LS	1	1	0	\$1,900.00	\$ 1,900.00	\$ -
EROSION CONTROL & EARTHWORK								
8	STRAW WATTLES (CO#3)	EA	30	10	20	\$100.00	\$ 1,000.00	\$ 2,000.00
9	SILT FENCE (CO#3)	LF	0	0	0	\$1.60	\$ -	\$ -
10	VEHICLE TRACKING CONTROL PAD	EA	1	1	0	\$3,200.00	\$ 3,200.00	\$ -
11	GRAVEL CURB SOCK (CO#3)	LF	0	0	0	\$20.00	\$ -	\$ -
12	CONCRETE WASHOUT AREA	EA	1	1	0	\$1,900.00	\$ 1,900.00	\$ -
13	STRIP TOPSOIL (4" DEPTH) (CO#1)	CY	1,410	1,410	0	\$7.00	\$ 9,870.00	\$ -
14	RECYCLED ASPHALT DRIVEWAY	CY	5	5	0	\$90.00	\$ 400.00	\$ -
15	CUT (CO#1)	CY	5,186	5,186	0	\$16.00	\$ 82,976.00	\$ -
16	FILL (CO#1)	CY	2,750	2,750	0	\$12.00	\$ 33,000.00	\$ -
17	REPLACE TOPSOIL (4" DEPTH) (CO#1)	CY	880	880	0	\$20.00	\$ 17,600.00	\$ -
18	RESEED & MULCH (CO#1)	AC	1.7	1.60	0.2	\$2,750.00	\$ 4,125.00	\$ 550.00
STORM SEWER								
19	DOUBLE COMBINATION INLET TYPE 13 (CO#1)	EA	0	0	0	\$7,500.00	\$ -	\$ -
20	TRIPLE COMBINATION INLET TYPE 13 (CO#1)	EA	0	0	0	\$10,000.00	\$ -	\$ -
21	15"x28" RCP	LF	135	135	0	\$125.00	\$ 16,875.00	\$ -
22	24" RCP (CO#1)	LF	0	0	0	\$175.00	\$ -	\$ -
23	18" RCP	LF	116	116	0	\$110.00	\$ 12,760.00	\$ -
24	15"x28" FES	EA	2	2	0	\$1,500.00	\$ 3,000.00	\$ -
25	18" FES	EA	2	2	0	\$1,000.00	\$ 2,000.00	\$ -
26	MANHOLE (CO#1)	EA	0	0	0	\$5,200.00	\$ -	\$ -
27	4' CONCRETE SIDEWALK CHASE	EA	8	8	0	\$2,200.00	\$ 17,600.00	\$ -
28	CONCRETE CHANNEL (CO#1)	CY	97	97	0	\$635.00	\$ 61,595.00	\$ -
29	HANDRAIL (CO#1) (CO#3)	LF	437	294	143	\$130.00	\$ 38,220.00	\$ 18,690.00
ROADWAY CONSTRUCTION								
30	SUBGRADE PREPARATION- SOIL STERILIZATION	SY	4,910	2,814	2,096	\$6.00	\$ 16,884.00	\$ 12,576.00
31	VERTICAL CURB, GUTTER & 6' SIDEWALK	LF	625	625	0	\$82.00	\$ 51,250.00	\$ -
32	VERTICAL CURB & GUTTER (CO#1)	LF	612	612	0	\$27.00	\$ 16,524.00	\$ -
33	6' SIDEWALK - 5" DEPTH	LF	180	180	0	\$60.00	\$ 10,800.00	\$ -
34	8' CROSS PAN	EA	1	1	0	\$4,500.00	\$ 4,500.00	\$ -
35	6' CROSS PAN (CO#3)	EA	0	0	0	\$4,000.00	\$ -	\$ -
36	CURB RETURNS WITH HANDICAP RAMP	EA	5	5	0	\$3,500.00	\$ 17,500.00	\$ -
37	ASPHALT PAVEMENT - 5" FULL DEPTH (CO#3)	SYI	14,538	14,538	0	\$6.00	\$ 87,228.00	\$ -
38	ASPHALT PAVEMENT - 7.5" FULL DEPTH	SYI	4,727	4,727	0	\$9.00	\$ 42,543.00	\$ -
39	BLOCK WALL	LS	1	1	0	\$55,000.00	\$ 55,000.00	\$ -
40	16" TUBE GATE	EA	2	2	0	\$2,300.00	\$ 4,600.00	\$ -
41	TRAFFIC SIGNAL	EA	1	1	0	\$255,000.00	\$ 255,000.00	\$ -
STRIPING & SIGNAGE								
42	4" SOLID DOUBLE YELLOW STRIPE (CO#3)	LF	2,331	0	2,331	\$2.50	\$ -	\$ 5,827.50
43	4" SOLID YELLOW STRIPE (CO#3)	LF	0	0	0	\$1.25	\$ -	\$ -
44	4" SOLID WHITE STRIPE (CO#3)	LF	1,680	0	1,680	\$1.25	\$ -	\$ 2,100.00
45	8" SOLID WHITE STRIPE (CO#3)	LF	1,092	0	1,092	\$2.50	\$ -	\$ 2,730.00
46	4" SOLID YELLOW MEDIAN STRIPING (CO#3)	SF	0	0	0	\$3.75	\$ -	\$ -
47	STOP BAR THERMOPLASTIC SYMBOL (CO#3)	EA	5	0	5	\$1,550.00	\$ -	\$ 7,750.00
48	CROSSWALK THERMOPLASTIC SYMBOLS (CO#3)	EA	4	0	4	\$300.00	\$ -	\$ 1,200.00
49	STRAIGHT ARROW/RIGHT ARROW COMBO THERMOPLASTIC SYMBOL (CO#3)	EA	2	0	2	\$550.00	\$ -	\$ 1,100.00
50	RIGHT ARROW THERMOPLASTIC SYMBOL	EA	2	0	2	\$325.00	\$ -	\$ 650.00
51	LEFT ARROW THERMOPLASTIC SYMBOL (CO#3)	EA	7	0	7	\$325.00	\$ -	\$ 2,275.00
52	STRAIGHT ARROW THERMOPLASTIC SYMBOL	EA	3	0	3	\$250.00	\$ -	\$ 750.00
53	"ONLY" THERMOPLASTIC SYMBOL	EA	2	0	2	\$455.00	\$ -	\$ 910.00
54	STOP SIGN & POST INSTALLATION (INCLUDING STREET NAME BLADES) (CO#3)	EA	2	2	0	\$650.00	\$ 1,300.00	\$ -
55	"RIGHT LANE MUST TURN RIGHT" SIGN & POST INSTALLATION (R3-7R)	EA	2	2	0	\$550.00	\$ 1,100.00	\$ -
56	DO NOT ENTER SIGN & POST INSTALLATION (CO#3)	EA	2	2	0	\$550.00	\$ 1,100.00	\$ -
57	"ROAD CLOSED EMERGENCY ACCESS ONLY" SIGN & INSTALLATION	EA	2	2	0	\$550.00	\$ 1,100.00	\$ -
58	"NO PARKING" SIGN & INSTALLATION	EA	4	4	0	\$325.00	\$ 1,300.00	\$ -
59	"NO OUTLET" SIGN & POST INSTALLATION (W14-2)	EA	1	1	0	\$550.00	\$ 550.00	\$ -

APPLICATION FOR PAYMENT
PROGRESS PAYMENT No. 7
July 1, 2018 TO July 27, 2018

CONTRACTOR : MOUNTAIN CONSTRUCTORS, INC.
OWNER: TOWN OF FIRESTONE
ENGINEER : COLORADO CIVIL GROUP, INC.
CONTRACT : MCCLURE AVENUE EXTENSION PROJECT

ITEM	DESCRIPTION	BID UNIT	BID QUANTITY	QUANTITY COMPLETED		UNIT BID PRICE	AMOUNT COMPLETED		
		EA	1	TO DATE	THIS PERIOD		TO DATE	THIS PERIOD	
60	"NO OUTLET" PLAQUE SIGN (W14-14R)			1	0	\$550.00	\$ 550.00	\$ -	
MCCLURE AVENUE BRIDGE									
61	ABUTMENTS/WINGWALLS MATERIALS & INSTALLATION	LS	1	1	0	\$360,000.00	\$ 360,000.00	\$ -	
62	BRIDGE SUPER STRUCTURE INSTALLATION	LS	1	1	0	\$40,000.00	\$ 40,000.00	\$ -	
63	CONCRETE BRIDGE DECK	LS	1	1	0	\$325,000.00	\$ 325,000.00	\$ -	
MISCELLANEOUS									
64	TRAFFIC CONTROL	LS	1	1	0	\$82,000.00	\$ 82,000.00	\$ -	
65	DEWATERING	LS	1	1	0	\$15,000.00	\$ 15,000.00	\$ -	
66	MOBILIZATION (5%)	LS	1	1	0	\$85,000.00	\$ 85,000.00	\$ -	
CHANGE ORDER NO. 1									
67	REMOVE EX 36" RCP	LF	336	336	0	\$23.00	\$ 7,728.00	\$ -	
68	REMOVE EX MANHOLE	EA	1	1	0	\$1,245.00	\$ 1,245.00	\$ -	
69	REMOVE EX 36" FES	EA	1	1	0	\$320.00	\$ 320.00	\$ -	
70	36" RCP	LF	178	178	0	\$202.00	\$ 35,956.00	\$ -	
71	36" FES	EA	1	1	0	\$2,530.00	\$ 2,530.00	\$ -	
72	MANHOLE	EA	1	1	0	\$5,960.00	\$ 5,960.00	\$ -	
73	TRANSITION CURB & GUTTER	LF	40	40	0	\$27.00	\$ 1,080.00	\$ -	
74	OUTFALL CURB & GUTTER	LF	12	12	0	\$27.00	\$ 324.00	\$ -	
75	DRIVEWAY CUT CURB & GUTTER (CO#3)	LF	0	0	0	\$27.00	\$ -	\$ -	
76	12' CROSSPAN	EA	1	1	0	\$5,175.00	\$ 5,175.00	\$ -	
CHANGE ORDER NO. 2									
77	ANTI-GRAFFITI COATING	LS	1	1.00	0.00	\$4,780.65	\$ 4,780.65	\$ -	
78	18" RIPRAP	CY	29	29	0	\$95.00	\$ 2,755.00	\$ -	
CHANGE ORDER NO. 3									
79	FLOW FILL	CY	80.0	0	80.0	\$150.00	\$ -	\$ 12,000.00	
80	TRICKLE PAN (COLORADO BLVD)	LF	53	0	53	\$22.00	\$ -	\$ 1,166.00	
81	SLOPE PROTECTION BLANKETS	SY	311	0	311	\$4.00	\$ -	\$ 1,244.00	
82	12" RIPRAP	CY	4.4	0	4.4	\$95.00	\$ -	\$ 418.00	
83	STRIPING REMOVAL	SF	1,475	0	1,475	\$6.88	\$ -	\$ 10,148.00	
84	CONCRETE CAP	CY	1.4	0	1.4	\$635.00	\$ -	\$ 889.00	
85	DO NOT ENTER SIGN	EA	1	0	1	\$100.00	\$ -	\$ 100.00	
86	STOP SIGN	EA	1	0	1	\$100.00	\$ -	\$ 100.00	
TOTAL APPLICATION THIS PERIOD							\$ 1,876,937.40	\$ 87,473.50	

STORED MATERIALS

ITEM #	DESCRIPTION
1	
2	
3	
4	
5	

INVOICE #	AMOUNT
	\$-
	\$-
	\$-
	\$-
	\$-

ORIGINAL CONTRACT AMOUNT =	\$1,854,643.75
APPROVED CHANGE ORDERS TO DATE =	\$109,767.15
CURRENT CONTRACT AMOUNT =	\$1,964,410.90
TOTAL WORK COMPLETED AND MATERIALS STORED TO DATE =	\$1,964,410.90
RETAINAGE (5%) =	\$98,220.55
TOTAL EARNED LESS RETAINAGE =	\$1,866,190.36
LIQUIDATED DAMAGES WITHHELD =	\$0.00
TOTAL EARNED LESS LIQUIDATED DAMAGES =	\$1,866,190.36
PREVIOUS PAYMENTS =	\$1,783,090.53
CURRENT PAYMENT DUE =	\$83,099.83

PERCENTAGE OF JOB COMPLETE= 100%

SUBMITTED BY: Joe Kuntz
(CONTRACTOR)
REVIEWED BY: Andrew Mann
(ENGINEER)
APPROVED BY: _____
(OWNER)

DATE: 8-14-18
DATE: 8-14-18
DATE: _____

AGENDA INFORMATION MEMORANDUM

FIRESTONE TOWN BOARD OF TRUSTEES



AIM#: 5.e.

Consent Agenda

Meeting Date: August 22, 2018

Initiated By:

Dept: Council & Board

AGENDA TITLE

Public Comment - Increasing time from Two Minutes to Three Minutes

SUMMARY

The Board has previously discussed its time limit for speakers speaking during the Public Comment periods at Town Board meetings, with discussion centered on whether to maintain the current two-minute limit or change it to three minutes. The current Board statement on this issue, which is set forth at the bottom of its meeting agenda, states as follows:

* Individuals that desire to address the Board of Trustees are requested to sign up at the table at the entrance to the meeting room. Each individual will be provided an opportunity to speak (limited to two minutes) during Public Comment. Maximum time permitted for all Public Comment is 30 minutes.

If the Board desires to change the time limit to three minutes, it is appropriate the Board take formal action. If the Board approves a change to three minutes, the Board's agenda will be revised accordingly. A related issue is whether speakers may "pool" or donate time. Staff recommends the Board consider clarifying the current agenda notice to state time may not be pooled. More generally, should the Board later adopt updated rules of procedure, the time limit and pooling rules can be carried forward into that document, and those rules as well as other rules of procedures can be discussed at later meetings.

HISTORY AND PREVIOUS BOARD ACTION

N/A

RECOMMENDATION

That the Board, by its approval of the consent agenda, adopt the following revised procedural rule, to be stated on the bottom of its meeting agendas: "* Individuals that desire to address the Board of Trustees are requested to sign up at the table at the entrance to the meeting room. Each individual will be provided an opportunity to speak during Public Comment. Each speaker shall be limited to three (3) minutes, and time may not be pooled or donated to other speakers. The maximum time permitted for all Public Comment is 30 minutes."

ALTERNATIVES

Included as part of this adoption, preference given to Firestone Residence?

Provide Other Direction

ATTACHMENTS

None

FINANCIAL CONSIDERATIONS

None

AGENDA INFORMATION MEMORANDUM

FIRESTONE TOWN BOARD OF TRUSTEES



AIM#: 5.f.

Consent Agenda

Meeting Date: August 22, 2018

Initiated By: Dave Lindsay

Dept: Community Resources

AGENDA TITLE

Gould Property Alluvial Well Field Analysis Contract Amendment No. 1

SUMMARY

Part of the scope of services for the Gould Property Alluvial Well Field Analysis between the Town and McGrane Water Engineering, LLC (MWE) included a curory assessment for the need of a recharge system to accompany the well field. MWE has been conducting the 90 day well pump test on the site and working on the groundwater model parameters and have determined that such a recharge system would be advantageous and have recommended a physical test on the property to confirm infiltration rates. The physical tyest would commence after the well pumping test is completed and would consist of the excavation of two different infiltration trechn configurations int eh area of the proposed well filed. The Town would utilize the Rural Ditch water right that came with the purchase of the Gould property to provide water for a planned 21 day infiltration test. The test will use flow measuring devised to measure water entering the test trenches and the water spilling out so that infiltration over tiem can be precisely measured.

HISTORY AND PREVIOUS BOARD ACTION

The Board approved an Engineering Services Agreement with MWE at the regular meeting on June 13, 2018 for an amount not exceed \$102,500.00.

RECOMMENDATION

The reliability of the proposed alluvial well field to deliver flow to the planned St Vrain Water Treatment Plant is crittial. This additional level pf physical testing will allow MWE to provide a better recommendation for the final well field constrcution design parameters.

Staff reocmmends the Board of Trustees approved Amendment No. 1 to the Agreement for an amount not to exceed \$66,000.00 and authorize the Mayor to execute the amendment on behalf of the Town.

ALTERNATIVES

The Board could direct staff to modify the terms of the amendment or to decline the amendment and proceed with the current scope of the project.

ATTACHMENTS

1. Gould Property Alluvial Well Field Analysis - Amendment 1 (2018.08.17)

FINANCIAL CONSIDERATIONS

The amendment will bring to the total contracted engineering services fee to \$168,500.00. The total project budget, including contractor budget, increases to \$219,500.00. This work is all being paid from the Water Fund.

**FIRST AMENDMENT TO AN AGREEMENT BY AND BETWEEN THE TOWN OF
FIRESTONE AND McGRANE WATER ENGINEERING, LLC
FOR ENGINEERING SERVICES
(Gould Property Alluvial Well Field Analysis)**

THIS FIRST AMENDMENT TO CONSULTING SERVICES AGREEMENT is made and entered into effective as of the ____ day of _____, 2018, by and between the **TOWN OF FIRESTONE**, a Colorado municipal corporation, hereinafter referred to as the “Town”, and **McGrane Water Engineering, LLC**, a Colorado limited liability company doing business as McGrane Water Engineering, LLC, hereinafter referred to as the “Consultant” with reference to that certain Consulting Services Agreement between the Town and Consultant executed by the Town on June 13, 2018 and hereinafter referred to as the “Original Agreement.”

WHEREAS, based on the results of preliminary data collected by Consultant and unforeseen services that need to be preformed, the parties believe it to be in the best interest to amend the Original Agreement as set forth herein.

NOW, THEREFORE, for good and valuable consideration, the Parties agree as follows:

1. Section 4.1 of the Original Agreement is hereby amended to read as follows (words added are underlined; words deleted are shown in ~~strikeout~~):

4.1 The Town shall pay the Consultant for services requested and rendered under this Agreement at the hourly rates set forth in Exhibit A provided, however, that the total amount payable for Services under this Agreement shall in no event exceed ~~\$102,500.00~~ \$168,500.00. For services compensated at hourly rates, or on a per-task basis, such rates or costs per task shall not exceed the amounts set forth in Exhibit A and Exhibit A1. The Town shall pay mileage and other reimbursable expenses which are deemed necessary for performance of the services and which are identified in Exhibit A and Exhibit A1. The foregoing amounts of compensation shall be inclusive of all costs of whatsoever nature associated with the Consultant’s efforts, including but not limited to salaries, benefits, overhead, administration, profits, expenses, and outside consultant fees. The Scope of Services and payment therefor shall only be changed by a properly authorized amendment to this Agreement. No Town employee has the authority to bind the Town with regard to any payment for any services which exceeds the amount payable under the terms of this Agreement.

2. Exhibit A of the Original Agreement is hereby amended to include the attached Exhibit A1 – Supplemental Scope of Services.

3. The Original Agreement, as herein amended by this First Amendment, is hereby ratified and confirmed and remains in full force and effect in accordance with its terms.

IN WITNESS WHEREOF, the Parties have executed this First Amendment to Consulting Agreement effective as of the day and year first above set forth.

TOWN OF FIRESTONE,
a Colorado Municipal Corporation

By: _____
Bobbi Sindelar, Mayor

Attest: _____
Leah Vanarsdall, Town Clerk

CONSULTANT:
McGRANE WATER ENGINEERING, LLC
a Colorado limited liability company, doing business as McGrane Water Engineering, LLC

By: _____

Title: _____

Exhibit A1 – Supplemental Scope of Services

[See Following 8 Pages]

McGrane Water Engineering, llc

1669 Apple Valley Rd. , Lyons, CO 80540 • Office: (303)823-5933, Cell: (303) 917-1247
E-Mail: dennis@mcgranewater.com. Website: www.mcgranewaterengineering.com



August 13, 2018

Mr. David Lindsay, President
Colorado Civil Group
5110 Granite St. Suite 200
Loveland, CO 80538

Via email at: dlindsay@ccginc.com

RE: Proposal – Town of Firestone, Gould Property Alluvial Well Field Analysis (Contract No. (2018.06.08) – Change Order No. 1 Request (re: Recharge Feasibility Test

Dear Mr. Lindsay:

At your request, McGrane Water Engineering, LLC (MWE) is providing this change order request to conduct a recharge feasibility test on the Town's Gould property to evaluate whether site conditions (infiltration rate and aquifer properties) are conducive to Managed Aquifer Recharge (MAR). Recharge is necessary to provide a higher degree of confidence that the site will sustain 200 gallons per minute (gpm) for the Town's new water treatment plant. It would also allow higher peak rates during the summer.

I. Background

In 2017, we conducted a Phase I drilling program that evaluated eight potential well sites mostly at Town parks (see MWE report, July 2017). We concluded that Mountain Shadows park (MSP) and sites along the Firestone Trail have the potential for 250 to 350 gpm yields from individual wells. In Phase II, we characterized the Gould and Varra sites near St. Vrain Creek (MWE, June, 2018). We concluded that the Gould site has the potential for individual production wells that yield 70 to 110 gpm, and that on a long-term basis a wellfield at Gould could likely sustain 140 to 330 gpm for five vertical wells. Under our current contract (no. 2018.06.08), we conducting a pumping test and computer modeling to evaluate the feasibility of a wellfield or a horizontal well on the Gould property both with and without MAR.

Preliminary results and modeling have demonstrated that MAR is necessary to achieve the Town's annual production goals and maximize seasonal production.

II. Purpose and Need

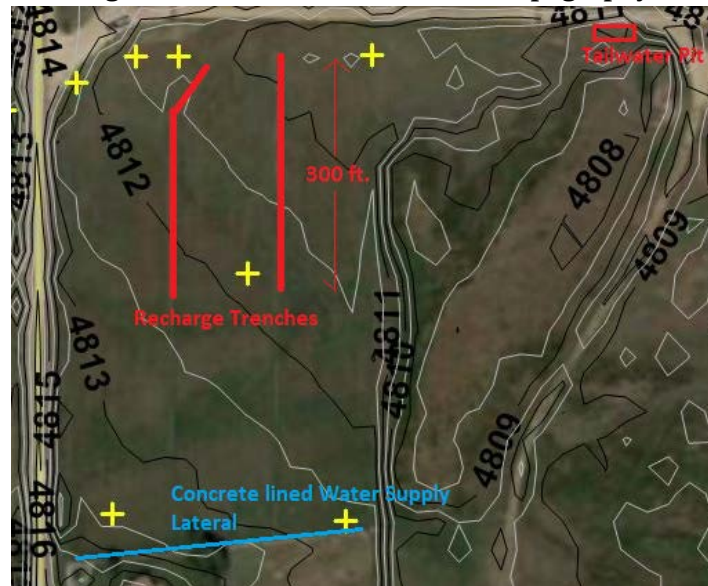
Measuring **actual** recharge rates is critical to obtain a high level of confidence in the success of MAR because the range of theoretical infiltration rates varies widely. Factors include: infiltration rate; aquifer permeability and thickness; the presence of clay beds at depth (which can significantly reduce infiltration rates); recharge trench/pond width, depth and stage, and water quality considerations. We

will not be able to quantify all individual variables by this test, but we will be able to determine the overall feasibility of a MAR project.

III. Recharge Test Description

To test the infiltration rates, we propose installing two 300 foot-long recharge trenches dug to various depths. We anticipate recharge rates will start off high (4 cfs) and decline to under 0.5 cfs for the proposed twenty-one (21) day test. Figure 1 shows the site layout and two trench locations on the Gould parcel.

Figure 1 – Trench Locations and Topography



Topographic contours on Figure 1 show that the site slopes slightly to the northeast with approximately 1 foot grade over the length of the two proposed trenches. Monitoring wells have been installed to bedrock at the yellow (+) symbols on Figure 1 and will be monitored during the test.

IV. Scope of Additional Work

Our proposed scope of work is described below. The Town's Engineer, Colorado Civil Group (CCG) will be the overall project manager representing the Town. Miller Groundwater Engineering, LLC (MGE) will continue to subcontract to MWE to design, implement and analyze the test data.

The recharge feasibility exercise consists of four principal tasks:

- Change Order Task 1: Developing the scope of work; preparing contractor specifications and bid sheet; meeting with stakeholders and preparing this proposal (complete);

McGrane Water Engineering, LLC

1669 Apple Valley Rd., Lyons, CO 80301. Website: www.mcgranewaterengineering.com

- Change Order Task 2: Site work to install permanent trenches and temporary pipelines and additional measuring devices;
- Change Order Task 3: Monitor the proposed 21-day test; and
- Change Order Task 4: Collect, analyzed, and evaluate the test data; enhance the model calibration to include the test results; and complete modeling forecasts as previously budgeted which includes estimating production rates and costs for both vertical and horizontal wellfield configurations with and without MAR. A technical memorandum describing the recharge test and model calibration will be provided in the project report.

Change Task 1 – Design Recharge Test and Determine Cost

All Task 1 activities were approved by CCG and occurred between July 11 - August 10, 2018. The change order task number is in sequence with the original scope of work so the budgets can be combined for future billing.

Task 1d (Develop Scope of Work) involved: Prior to submitting this change order request, we:

- Developed a 2-D recharge model to evaluate theoretical recharge rates and mounding using a range of vertical permeabilities.
- Met with the Town’s water committee to discuss the purpose and need for the recharge testing;
- Evaluated test design options including trench depths and dimensions, locations and lengths;
- Evaluated how much and when physical water could be delivered;
- Obtained costs for additional flow monitoring devices;
- Evaluated water rights considerations and spoke with Town’s water rights engineer and attorney;
- Met with stakeholders including the CCG, the Rural Ditch company and Garret Varra whose property exists north of the site;
- Conducted a site visit with an experienced Contractor familiar with digging recharge trenches;
- Prepared an engineer’s estimate for the Contractor work of \$23,000.

Task 1e included preparing detailed specifications. We prepared a request for proposal and obtained a contractor bid for approximately \$25,000 which is within 10% of our estimate.

Task 1f involved meeting with stakeholders and preparing this proposal.

Assumptions: 1) The Contractor cost estimate (Bid Item 2c) is based on two (2) 300 foot trenches, one 3-4 feet deep and the other 6-7 feet deep; 3) We have allocated \$1,000 for laboratory sieve analyses; and 4) The contractor insurance cost (\$3,000) will need to be updated once he hears back from his insurer.

Task 2 – Engineering and Contractor Tasks

Task 2 and 3 activities have not yet been conducted.

Task 2c (Install trenches and level surveying). MWE will:

- Work with the Contractor to establish reasonable grades to assure gravity flow of piping in and out of the trenches;
- Provide the Contractor with accurate locations so he can obtain utility locates;
- Provide Construction observation of the Contractor Work;
- Provide photo documentation of all Contractor activities;
- Sample the trench bottom at three (3) locations per trench, two (2) topsoil locations, and two (2) samples in the tailwater pit (10 total) and obtain laboratory sieve analyses; and
- Manage the project.

Task 2c (Contractor Site Work). The Contractor will:

- 1) Provide adequate insurance prior to contracting;
- 2) Provide level-survey services to measure topographic grades from a cement lined E-W irrigation lateral (located approximately 300 feet south of the proposed trenches) to a tail water pit located in the northeast corner of Figure 1;
- 3) Request locates from the Utility Notification Center of Colorado for locations based on the staked trench endpoints shown on Figure 1;
- 4) Mobilize the necessary equipment and conducting the site Work. The trenches will be left open after the tests; and
- 5) Assist MWE in installing weirs and temporary pipelines for approximately 500 feet on either side of the trenches.

Assumptions: 1) Contractor work will be completed over two consecutive weekend; 2) The total cost for all Task 2c (engineering expenses) will not exceed \$9,000; and 2) The total cost of contractor work under Task 2c will not exceed \$25,000 without an executed change order with the Town; 3) We assume that the Town will contract directly with the Contractor for Task 2c Contractor Work unless directed otherwise.

Task 2d (Provide and Install pipelines and Measuring Devices). MWE will:

- Construct depth control weirs at the end of the trenches;
- Provide and install approximately 1,600 feet of black plastic on either side of the trenches;
- Provide and install 4 x 10 foot sections of 12-in PVC for the flow measuring devices;
- Rent six (6) flow measuring devices;
- Provide and install temporary plastic fencing (10 ft x 10 ft) around outflow sensors;
- Utilize the existing ten (10) installed level sensors (six that were purchased) and rent three (3) additional level sensors that will be installed in the trenches and in the tailwater pit.

- Purchase a telemetry monitoring unit and rent another to reduce the number of field trips to observe the testing; and
- Conduct site visit to clean trenches, measure maximum flows and test flow measurement devices.

Assumptions: 1) The total cost for all Task 2d expenses will not exceed \$11,000 and includes telemetry purchase, level and flow sensor rentals, pipe, temporary fencing, and other miscellaneous materials and rental costs.

Task 3c (Additional Monitoring). MWE will:

- Observe test startup (1 day); and
- Visit the site four times (4 x 2 hr. roundtrips) during testing.

Task 3d (Extend Pump Rental). The pumping test rental is currently for 3 months. The cost for an additional 1 1/2 month rental will be approximately \$750 to \$1,000.

Assumption: 1) The cost for electrical power to continue the pumping test will be paid directly to Varra by the Town according to a separate agreement between Varra and CCG.

Task 4e – 4f. MWE will conduct additional work to analyze the recharge data, recalibrate the model, and include a technical memo as a report appendix.

V. Cost

The table below is for our current contracted work:

Gould Property Alluvial Well Field Analysis (Contract 2018.06.08)						
Task	Description	Time to Complete (Weeks)	Engineering	Engineering Subcontracts (1)	Contractor (2)	Task Total
1	Preposal Acitivities					
1a	Prepare preliminary cost estimates and develop SOW	Completed	\$6,000		-	\$6,000
1b	Install Transducers		\$2,000		-	\$2,000
1c	Meetings and Proposal		\$5,000		-	\$5,000
Task 1 Subtotal			\$13,000		-	\$13,000
2	Drill Monitoring Wells					
2a	Prepare Bid Package	1	\$11,000		-	\$11,000
2b	Drilling, Construction Observation (5 monitoring Wells), and surveying	4	\$10,000	\$2,500	\$17,000	\$29,500
Task 2 Subtotal			\$21,000	\$2,500	\$17,000	\$40,500
3	Monitoring Test					
3a	Conduct 90-day Test (incl. pump and power)	12	\$16,000		\$22,000	\$38,000
3b	Provide and install transducers	2	\$1,000	\$5,000		\$6,000
Task 3 Subtotal			\$17,000	\$5,000	\$22,000	\$44,000
4	Computer Modeling and Forecasts					
4a	Expand Model to South (Include CVR and Brooks Pit)	1	\$6,000		-	\$6,000
4b	Interpret 90 day test	1	\$8,000		-	\$8,000
4c	Evaluate Horizontal and Vertical Well Scenarios including MAR	1	\$9,000		-	\$9,000
4d	Prepare Report	4	\$11,000		-	\$11,000
Task 4 Subtotal			\$34,000		-	\$34,000
Total			\$85,000	\$7,500	\$39,000	\$131,500
Contingencies	10%		\$9,000	\$1,000	\$4,000	\$14,000
Grand Total			\$94,000	\$8,500	\$43,000	\$145,500
Notes: 1) Assume \$2,500 for surveying and 5,000 for transducers (read above). 2) We will attempt to bid all work to allow a single contract with the Town.			Total Contract =	\$102,500		

We contracted with the Town with a budget of **\$102,500** for engineering and subcontracts (\$94,000 + \$8,500) and estimated that the Town would need to contract separately with a drilling and pump installation Contractor for approximately **\$43,000** (wells, pump and power) totaling **\$145,500**.

The table below summarizes the estimated additional cost. Change Order tasks are labeled in sequence to existing tasks for future billing purposes.

Change Order 1 - Cost Estimate Summary					
Change Order Task	Description	Engineering	Engineering Expenses	Contractor Work	Task Total
1	Develop Recharge Scope of Work				
1d	Develop Scope of Work	\$11,000	-	-	\$11,000
1e	Prepare Contractor Specifications	\$2,000	-	-	\$2,000
1f	Meetings and Proposal	\$2,000	-	-	\$2,000
Task 1 Subtotal		\$15,000	-	-	\$15,000
2	Site Work				
2c	Install trenches and level surveying	\$7,000	\$1,000	\$25,000	\$33,000
2d	Provide and Install approximately 1000 feet of inlet and tailwater pipelines and rented flow and level monitoring devices	\$10,000	\$11,000	\$0	\$21,000
Task 2 Subtotal		\$17,000	\$12,000	\$25,000	\$54,000
3	Monitor Test				
3c	Additional Monitoring	\$9,000		-	\$9,000
3d	Pumping Equipment rental		\$1,000	-	\$1,000
Task 3 Subtotal		\$9,000	\$1,000	-	\$10,000
4	Analysis, Computer Modeling and				
4e	Analyze and Interpret Recharge data	\$4,000		-	\$4,000
4f	Recalibrate Groundwater model to recharge data	\$4,000		-	\$4,000
4g	Incorporate Recharge Test into Report	\$6,000		-	\$6,000
Task 4 Subtotal		\$14,000		-	\$14,000
Expected Additional Cost Total =		\$55,000	\$13,000	\$25,000	\$93,000
Credits	Task 2b surveying	-	-\$2,000		-
	Contractor Tasks: Drilling (Task 2a), and pump rental and electrical Contractor (Task 3b)	-	-	-\$16,827	-
Change Order Request		\$55,000	\$11,000	\$8,000	\$74,000
Previous Contract Budget		\$94,000	\$8,500	\$43,000	\$145,500
Revised Budget with Change Order Request		\$149,000	\$19,500	\$51,000	\$219,500

The four change order tasks described above will cost an additional \$55,000 for engineering and \$11,000 for reimbursable engineering expenses (\$66,000 total). This considers a \$2,000 credit for surveying (Task 2b) which was under budget. The Contractor bid for the site Work (Task 2c) was \$23,322.72 which we rounded upwards to \$25,000. Contractor costs are expected to increase approximately \$8,000 due to a \$16,827 credit from the pumping test (invoiced \$26,173 - budgeted \$43,000). Therefore, Contractor costs would likely increase from \$43,000 to \$51,000, and the total project cost would increase \$74,000 to \$219,500.

VI. Additional Time Required

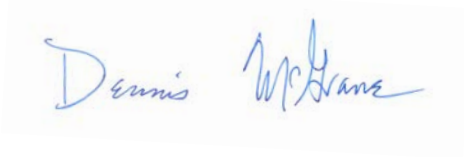
Since the recharge test and recovery will not be completed until the end of October, we request that the project be extended a month until the end of December, 2018.

If you have any questions, please give me a call.

Sincerely,

McGrane Water Engineering, LLC
1669 Apple Valley Rd., Lyons, CO 80301. Website: www.mcgranewaterengineering.com

MCGRANE WATER ENGINEERING, LLC.

A handwritten signature in blue ink that reads "Dennis McGrane". The signature is written in a cursive style with a large initial "D" and "M".

Dennis McGrane, P.E., C.P.G.
Principal Engineer and Hydrogeologist



Staff Report

Saddleback Filing No. 3

**Final Plat
and
Final Development Plan**

**Prepared by the
Town of Firestone for the
Board of Trustees**

August 22, 2018

Applications

This staff report is for Saddleback Filing No.3 Final Plat ("FP") and Final Development Plan ("FDP"). The applicant for the FP and FDP is Sterling Corporation.

Notice

Pursuant to the Town Code and Development Regulations, proper notification of the public hearings was published. Proof of notification to owners of interest and surrounding property owners and a property posting log will be provided by the applicants prior to the hearings.

Location and Process

The FP and FDP is located on the south side of Pine Cone Avenue, north of Panorama Avenue, east of Forest Street, and west of Colorado Boulevard. The FP and FDP are the final steps in the Firestone Development Review process prior to the building permit process.

Site Analysis, Circulation and Parking

The FDP is a residential planned unit development and is approximately 21.971 acres in size. The property is generally flat and would be appropriate for the proposed use. The FDP will have one vehicular access point from Pine Cone Avenue to the north, one vehicular access point from Forest Street to the east, one vehicular access point from Foxfire Street to the east, and one vehicular access point from Panorama Avenue to the southeast. All homes within the development shall provide a minimum of two-car attached garages, and parking on the residential streets will be available. Parking is consistent with other similar developments in Firestone. Sidewalks will line the residential streets within the FDP, and will connect to the concrete walk at the south end of the FDP as well as to the existing sidewalk system constructed in Filing 1.

Plan Analysis

The FDP proposes an 80-lot single family residential community to be developed in compliance with the town's comprehensive plan. The FDP shall be developed as an extension of the vehicular, pedestrian, and utility facilities constructed with the first and second filings. The project will be consistent with adjacent developments and will complement the overall PUD. Furthermore, the development will comply with applicable landscape, lighting, architecture and signage requirements.

Building Height

The building height for the proposed residential buildings is 35 feet, complementary to the surrounding buildings of similar use.

Fiscal Impacts

The FDP will provide residential services to the community of Firestone and promote the livability and walkability of the Town of Firestone within an area zoned for residential use. The proximity of these homes to I-25 and Firestone Boulevard are ideal for the proposed use. The increase of residential options in this area will lead to increased property tax revenues for the Town.

Utility and Services

Public infrastructure and utilities are generally available or will be extended to the site by the developer at the time of the development.

Planning and Zoning Commission and Board of Trustees Conditions and Standards for Approval

For your general reference, attached are the conditions and standards of approval for a PUD district that are stated in the Firestone Development Regulations.

Conditions and Standards for Approval

The Planning Commission and the Town Board of Trustees may approve a PUD application if it meets the intent of these Regulations and complies with the Town Code and other controlling regulations and documents, including the development standards specified herein. The Planning Commission and Town Board shall consider the following in making their decision for approval, approval with conditions, or denial of a PUD:

- A. The proposed PUD district is compatible with present development in the surrounding area, and will not have a significant, adverse effect on the surrounding area;
- B. The proposed PUD district is consistent with the public health, safety and welfare, as well as efficiency and economy in the use of land and its resources;
- C. The proposed PUD district is consistent with the overall direction, intent of Titles 16 and 17 of the Town Code, and the intent and policies of the Town's comprehensive plan and other policy documents of the Town;
- D. The proposed PUD district provides for a creative and innovative design which could not otherwise be achieved through other standard zoning districts;
- E. The exceptions from the zoning regulations requested in the proposed PUD are warranted by virtue of innovative design and amenities incorporated in the PUD district;
- F. The PUD provides adequate circulation in terms of internal street circulation system, designed for the type of traffic generated, for separate living areas, convenience, safety, access, and noise and exhaust control. Proper circulation in parking areas shall be provided in terms of safety, convenience, separation and screening. The PUD should provide for buffering from collector and arterial streets through earthen berms, landscaping, and other methods;
- G. The PUD provides functional open space in terms of practical usability and accessibility, and optimum preservation of natural features, including trees and drainage areas, recreation, views, natural stream courses, bodies of water and wetlands;
- H. To the extent practicable, the PUD provides variety in terms of housing types, housing size, densities, facilities and open space;
- I. The PUD provides for pedestrian and bicycle traffic in terms of safety, separation, convenience, access, destination and attractiveness. If possible, there shall be an internal pedestrian circulation system separate from the vehicular system such that allows access to adjacent parcels, parks, open space, or recreational facilities within the PUD as well as links to trail systems of the Town;
- J. Building types in terms of appropriateness to density, site relationship and bulk;
- K. Building design in terms of orientation, spacing, materials, color, texture, storage, signs and lighting;

- L. Landscaping of the site in terms of purpose, such as screening, types and materials used, maintenance suitability, water demands and effect on the area;
- M. Services including utilities, fire, police protection and other such services are available or can be made available to adequately serve the development;
- N. No structures in the PUD shall encroach on a floodplain except as permitted by the Town's floodplain ordinance;
- O. No occupied structure shall be located on ground showing severe subsidence potential without adequate design and study approved by the Town;
- P. Visual relief and variety of visual sitings shall be located within the PUD through building placement, shortened or interrupted street vistas, visual access to open space and other design methods;
- Q. The fiscal impacts on the Town, relative to expected service provision costs and anticipated revenue to the Town;
- R. Compliance with the provisions of any applicable intergovernmental agreements;
- S. The PUD incorporates a lighting plan and facilities to minimize of light drift outside the PUD in an effort to help preserve the night sky;
- T. To the extent reasonably practicable, the PUD shall strive to incorporate "green" building standards and design guidelines for all residential and commercial development in an effort increase energy efficiency and reduce energy consumption;
- U. To the extent reasonably practicable, the PUD shall strive to incorporate renewable energy technologies;
- V. To the extent reasonably practicable, the PUD shall strive to incorporate best management practices in recycling, water conservation, soils preservation and sustainable development practices;
- W. To the extent reasonably practicable, the PUD shall strive to incorporate Infrastructure design that emphasizes technology that will encourage the development of "knowledge workers" and will facilitate telecommuting.

Planning Commission or Board of Trustees Action

The Planning Commission Board or Board of Trustees has the following options relative to the action on applications in general. As necessary additional information relative to continuances, etc. can be provided by the Town Attorney.

- A. Make a decision and vote on the application, using the draft resolution previously prepared, as may be amended during the hearing; or
- B. Make a decision and vote on the application, but request the Town Attorney to prepare findings of fact and conclusions for approval and adoption at the next regular meeting; or
- C. Defer a decision and direct the Town Attorney to prepare findings of fact and conclusions to be submitted to the Board of Trustees at its next regular meeting,

with final deliberation, decision and adoption of the findings of fact and conclusion at that meeting; or

- D. Defer a decision until a date certain, as is mutually agreed upon by the Applicant and the Board of Trustees, by which time the record and all evidence can be reviewed. At that time the Board of Trustees can either adopt findings of fact and conclusions or direct the Town Attorney to prepare findings of fact and conclusions for adoption at the next regular meeting after the meeting to which the matter has been deferred.

RECOMMENDATION

The Planning Commission and Town staff recommends the Board of Trustees approve the application with a certain amount of conditions that will be provided in the form of a draft resolution prior to the Board of Trustees public hearing.

RESOLUTION NO. 18-30

A RESOLUTION APPROVING A FINAL PLAT AND FINAL DEVELOPMENT PLAN FOR SADDLEBACK FILING NO. 3

WHEREAS, there has been submitted to the Planning and Zoning Commission and Board of Trustees of the Town of Firestone a request for approval of a final plat and final development plan for Saddleback Filing No. 3; and

WHEREAS, all materials related to this application have been reviewed by Town Staff and found with conditions to be in compliance with Town of Firestone subdivision and zoning ordinances, Development Regulations, and related Town ordinances, regulations, and policies; and

WHEREAS, the Firestone Planning and Zoning Commission held a properly noticed public hearing on the application, and has forwarded to the Board of Trustees a recommendation of approval with conditions; and

WHEREAS, after a duly-noticed public hearing, at which evidence and testimony were entered into the record, the Board of Trustees finds the proposed final plat and final development plan should be approved, subject to certain conditions.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF FIRESTONE, COLORADO:

Section 1. The Final Plat and Final Development Plan for Saddleback Filing No. 3 are hereby approved, subject to the conditions set forth in Exhibit A attached hereto and incorporated herein by this reference.

PASSED AND ADOPTED this 22nd day of August, 2018.

Bobbi Sindelar, Mayor

ATTEST:

Leah Vanarsdall, Town Clerk

EXHIBIT A
Final Plat and Final Development Plan
Saddleback Filing No. 3
Conditions of Approval

General

1. Provide an updated title commitment when the mylars are provided for recording, to confirming all owners have signed the final plat and FDP.
2. Execute a subdivision agreement, in a form to be approved by the Town Attorney.
3. The existing temporary access from Saddleback Filing No. 1 and Filing No. 2 that connects to Pine Cone Avenue shall be physically removed within 30 days of issuance of conditional acceptance of the public improvements pursuant to the Subdivision Agreement, following which Town staff shall prepare for consideration by the Town Board an ordinance vacating the right-of-way.
4. The vacation of the existing irrigation easement must be recorded prior to recording the final plat and FDP. Note the recording information for this vacation on the plat as directed by the Town Engineer.
5. Provide recording information on the final plat and FDP for any new easements dedicated by separate instrument for the irrigation pipeline relocation.
6. Label a 25' building setback from the plugged and abandoned well (API #05-123-08514) located in Tract C and add the following note: "No structures, temporary or permanent, shall be constructed within the setback for the plugged and abandoned well located on Tract C."
7. Execute a special warranty deed conveying to the Town Tracts D and H.

Final Plat

8. Add side lot drainage easements in Block 1, Lots 31/30, 30/29, 29/28, and 28/17.
9. Revise the Land Use Table to reflect Tracts C, D and F will be owned by the Town and maintained by the HOA.
10. Revise the Ownership and Dedication statement to include dedication of Tracts C and F.

FDP Sheet 1 (Cover Sheet)

11. Update the Sheet Index to the correct sheet name and numbers.
12. Add Town Approval signature block.

FDP Sheet 2 (General Notes)

13. Provide a Land Use table that shows a detailed breakdown of lot sizes based on the tiers as outlined in the Development Regulations. Within this table, also provide land use information, gross/net residential density, and the minimum and maximum lot sizes.
14. Provide the note required by Section 10.5.19 of the Firestone Development Regulations regarding setbacks.
15. Within the Drainage section, provide information regarding the grading concept for the subdivision and how this was determined to aid the groundwater issues in the area.
16. Within the Architecture section, provide information about how the proposed architecture will accommodate for storage space since the homes constructed within this filing will not have basements. Provide information regarding whether homeowners will be permitted to construct retaining walls at the steep sloped within the front and back yards.
17. Within the Development Schedule, provide information regarding the specific development schedule of all fencing to be constructed by the developer.
18. Within the Elevations paragraph of the Architecture section, revise the sheet number with the sample elevations to reference the correct sheet number.
19. Revise the Enhanced Elevation Table on Sheet 3 to reflect the following:

ENHANCED ELEVATION TABLE			
LOT NUMBER	ELEVATION AND OPTION NUMBER		
	LEFT	RIGHT	REAR
BLOCK 1			
24	2		2
25	2	2	2

20. Remove Block 4 from the Enhanced Elevation Table, as there is no Block 4 within this Filing No. 3.
21. Revise the water dedication language as directed by the Town Engineer.
22. Within the Land Use Table, revise the impervious areas as noted by the Town Engineer.
23. Revise the Land Use Table to reflect Tracts C, D and F will be owned by the Town and maintained by the HOA.

24. Within the Parks, Trails and Open Space section, delete the first sentence. Provide further information regarding how the 10% public land dedication will be met for this filing.

FDP Sheet 3 (Tract Plan)

25. Remove the Town Approval signature block from this sheet. (Needs to be on Sheet 1.)

FDP Sheets 12-18

26. Correct issues with text on all landscape sheets and resubmit for Town review. The current text issues prevent adequate review.
27. Provide a note indicating when the landscaping will be installed.

FDP Sheets 13-24

28. Add missing title block to top of sheets.

FDP Sheet 16 (Fencing Plan)

29. Provide information regarding who is responsible to install each type of fencing shown on the fencing plan and when it will be installed.
30. Show the block and lot numbers, lot lines, and lot setbacks.
31. Provide a detail of how the privacy fence will be constructed along the lot lines of Block 1, Lots 21/22, 22/23, and 23/24 so the runoff in the proposed drainage swale is not blocked.

FDP Sheet 19 (Irrigation Schedule and Notes)

32. Provide information regarding where supplemental irrigation will be used and how supplemental irrigation will be provided.

FDP Sheet 20 (Irrigation Plan)

33. Provide the information requested by the Town Engineer regarding the temporary irrigation system disconnection timeframe and the location/mechanism of the temporary irrigation. Add notes as required by the Town Engineer.

FDP Sheets 23-24 (Irrigation Plan)

34. Remove these sheets from the FDP, as they do not show any irrigation improvements.

Final Utility Plans Sheets 3-4 (Existing Conditions and Demo Plan)

35. The existing irrigation line must be removed (all notes were fixed, except for one; see Town Engineer redlines). Delete the reception number for the partial irrigation easement vacation.

Final Utility Plans Sheets 8-10 (Grading Plan)

36. Add side lot drainage easement for Block 1, Lots 31/30, 30/29, 29/28, and 28/27.

Final Utility Plans Sheet 23 (Falcon Water P&P, Connection)

37. Revise the water line profile to provide 1' minimum vertical separation between the existing 2" PVC CWCWD water line and the proposed 8" Town water line. Calculate and label the joint restraint length of the vertical bends. The profile stationing does not match the plan view stationing.

Final Utility Plans Sheet 26 (Irrigation Line P&P)

38. Clarify whether the irrigation manholes are standard manholes (eccentric cone) or flat top manholes. Add a note to have the irrigation manholes stamped "IRRIGATION."

FINAL DEVELOPMENT PLAN
SADDLEBACK FILING NO. 3

PLANNED UNIT DEVELOPMENT

TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO
SHEET 1 OF 26

ACCEPTANCE:

BY SIGNING THIS FDP THE OWNER ACKNOWLEDGES AND ACCEPTS ALL OF THE REQUIREMENTS AND INTENT SET FORTH HEREIN.

OWNER:
STERLING CORPORATION, A COLORADO CORPORATION

BY: MARCUS PALKOWITSH, PRESIDENT

DATE:

STATE OF COLORADO
COUNTY OF ARAPAHOE

THE FORGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME
BY MARCUS PALKOWITSH AS PRESIDENT OF STERLING CORPORATION,
A COLORADO CORPORATION,
THIS DAY OF 2018, BY

WITNESS MY HAND AND SEAL.

NOTARY PUBLIC

MY COMMISSION EXPIRES

LEGAL DESCRIPTION:

KNOW ALL MEN BY THESE PRESENTS, THAT THE UNDERSIGNED, STERLING CORPORATION, A COLORADO CORPORATION, BEING THE OWNER OF THE LAND SHOWN IN THIS FINAL DEVELOPMENT PLAN AND DESCRIBED AS FOLLOWS:

ALL OF TRACTS A AND B, SADDLEBACK FILING NO. 2, AS RECORDED FEBRUARY 18, 2016 AT RECEPTION NO. 4181833 AT THE OFFICE OF THE WELD COUNTY CLERK AND RECORDER, LOCATED IN THE NORTHEAST QUARTER OF SECTION 19, TOWNSHIP 2 NORTH, RANGE 67 WEST OF THE SIXTH PRINCIPAL MERIDIAN, TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO.

CONTAINING 957,078 SQ. FT. OR 21.971 ACRES MORE OR LESS.

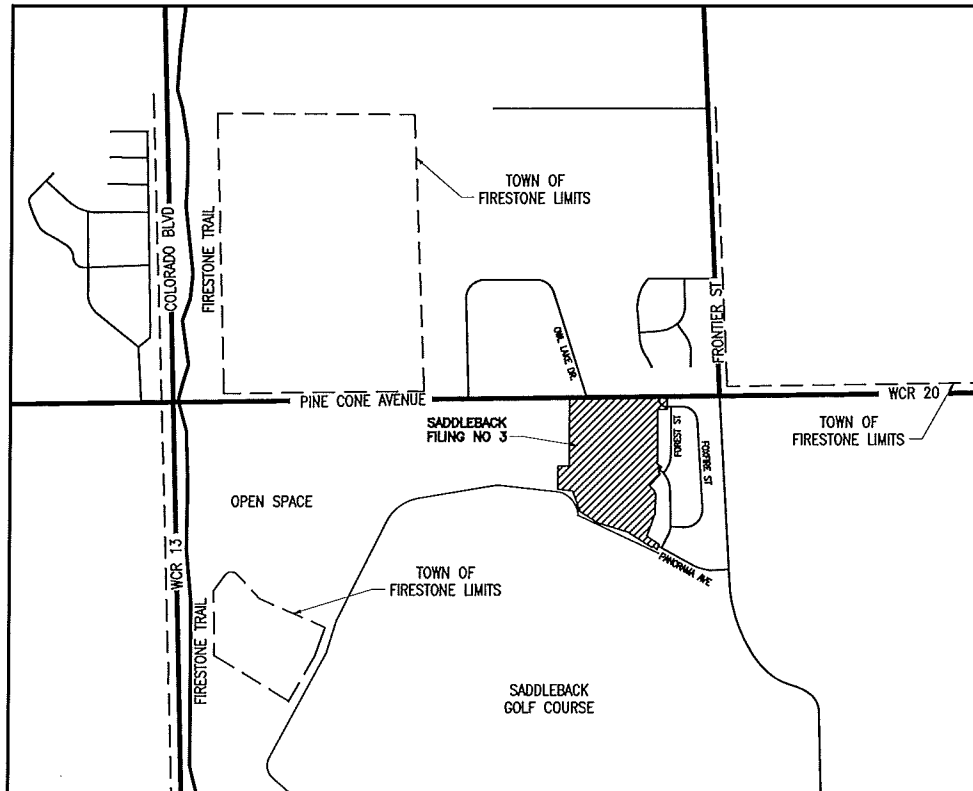
BASIS OF BEARINGS

NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 19, TOWNSHIP 2 NORTH, RANGE 67 WEST OF THE 6TH P.M., S89°58'18"W, AS SHOWN ON THE FINAL PLAT OF THE SADDLEBACK FIRST FILING, RECORDED UNDER RECEPTION NUMBER 3299165 AT THE WELD COUNTY CLERK AND RECORDER'S OFFICE.

PROJECT BENCHMARK

TOWN OF FIRESTONE BENCHMARK POINT #10 BEING A CHISELED CUT IN THE SOUTHWEST END OF THE NORTHEAST WING WALL OF A TRAIL BRIDGE, ABOUT 1250' SOUTH OF COUNTY ROAD #20 ON THE EAST SIDE OF COLORADO BOULEVARD.

ELEVATION = 4921.93
DATUM = NGVD29



VICINITY MAP
1"=2000'

OWNER/DEVELOPER:

Sterling Corporation
720 South Colorado Blvd.
SUITE 940-North Tower
Denver, CO 80246
(303) 399-9804
Contact: Chad Rodriguez
chad@mspccompanies.com

UTILITY PROVIDERS:

Town Of Firestone
303-833-3291

St. Vrain Sanitation District
303-776-9570

Central Weld County Water District
970-352-1284.

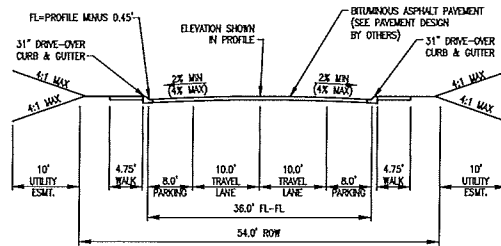
Comcast
888-824-4024

PLANNER/LANDSCAPE:

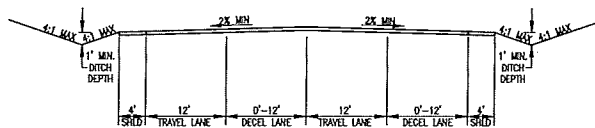
Consilium Design
7353 S. Alton Way, Suite A-135
Centennial, Colo. 80112
(303) 224-9520
Contact: Craig Korn
clkorn@consiliumdesign.com

ENGINEER/SURVEYOR:

EMK Consultants, Inc.
7006 S. Alton Way, Bldg. F
Centennial, CO 80112
(303) 694-1520
Contact: David Ott
Dott@emk.com



LOCAL RESIDENTIAL
INTERIOR STREETS



PINE CONE AVENUE
TYPICAL SECTION

SHEET INDEX

1	COVER SHEET
2	STANDARD CONSTRUCTION NOTES
3	TRACT PLAN
4-5	SITE PLAN
6	OVERALL UTILITY PLAN
7	OVERALL SIGNAGE AND STREET LIGHTING PLAN
8	OVERALL GRADING PLAN
9-10	FINISHED GRADING PLAN
11	ADDRESSING PLAN
12	LANDSCAPE NOTES AND SHEET LAYOUT PLAN
13-15	LANDSCAPE ENLARGEMENT
16	LANDSCAPE FENCING PLAN
17	PLANT SCHEDULE AND DETAILS
18	DETAILS
19	IRRIGATION SCHEDULE AND NOTES
20	IRRIGATION PLANS
21-22	IRRIGATION DETAILS
23-24	TYPICAL ARCHITECTURAL ELEVATIONS

ABBREVIATIONS

AP	ANGLE POINT	MH	MANHOLE
AV	AIR VAC	PC	POINT OF CURVE
BFV	BUTTERFLY VALVE	PCC	POINT OF COMPOUND CURVE
BO	BLOW OFF	PCR	POINT OF CURB RETURN
BOP	BOTTOM OF PIPE	PI	POINT OF INTERSECTION
BOW	BACK OF WALK	PL	PROPERTY LINE
BW	BOTTOM OF WALL	PP	POWER POLE
CL	CENTERLINE	PRC	POINT OF REVERSE CURVE
CMP	CORRUGATED METAL PIPE	PROP	PROPOSED
CONC	CONCRETE	PT	POINT OF TANGENT
DE	DRAINAGE EASEMENT	PVI	POINT OF VERTICAL INTERSECTION
DIA	DIAMETER	R	RIGHT
EL	ELEVATION	RCB	REINFORCED CONCRETE BOX
ELEV	ELEVATION	RCP	REINFORCED CONCRETE PIPE
EOA	EDGE OF ASPHALT	ROW	RIGHT-OF-WAY
EOP	EDGE OF PAVEMENT	S	SANITARY SEWER MAIN
EX	EXISTING	SHT	SHEET
FES	FLARED END SECTION	STA	STATION
FF	FINISHED FLOOR	STM	STORM
FH	FIRE HYDRANT (INCLUDES VALVE)	TB	THRUST BLOCK
FL	FLOWLINE	TEMP	TEMPORARY
FM	FORCE MAIN	TOA	TOP OF ASPHALT
GB	GRADE BREAK	TOC	TOP OF CURB
GND	GROUND	TOF	TOP OF FOUNDATION
GV	GATE VALVE	TOP	TOP OF PIPE
HORZ	HORIZONTAL	TW	TOP OF WALL
HP	HIGH POINT	UE	UTILITY EASEMENT
I	3/4" IRRIGATION LINE	VERT	VERTICAL
INT	INTERSECTION	VPC	VERTICAL POINT OF CURVE
L	LEFT	VPI	POINT OF VERTICAL INTERSECTION
LF	LINEAL FEET	VPT	VERTICAL POINT OF TANGENT
LP	LOW POINT	W	WATER MAIN

PREPARED UNDER THE SUPERVISION OF

GARY A. WALTER, P.E., PROJECT ENGINEER

APPROVED FOR EMK CONSULTANTS, INC. BY

ERIC R. MCDANIEL, P.E., VICE-PRESIDENT

DATE



SADDLEBACK FILING NO. 3	
COVER SHEET	
NAME OF APPLICATION:	SADDLEBACK
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	3
PHASE NUMBER:	N/A
PREPARATION DATE:	04-07-17
REVISION DATE:	08-07-17
REVISION DATE:	01-19-18
REVISION DATE:	05-01-18
REVISION DATE:	
REVISION DATE:	
SHEET 1 OF 26	

EMK CONSULTANTS, INC.
LAND DEVELOPMENT
ENGINEERING/SURVEYING
7006 SOUTH ALTON WAY, BLDG. F
CENTENNIAL, COLORADO 80112-2019
(303) 694-1520
WWW.EMKCONS.COM



SCALE VERIFICATION BAR IS ONE INCH
ON ORIGINAL DRAWING 1"=100'
IF NOT BE USED ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.



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WRITTEN AUTHORIZATION OF EMK CONSULTANTS, INC.

DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
DJO	DLT	CAH	ERM

SADDLEBACK FILING NO. 3

FINAL DEVELOPMENT PLAN
COVER SHEET

DATE: APR. 7, 2017

JOB NO: 12982.00

SCALE
HORIZONTAL N/A
VERTICAL N/A

1 of 26

FINAL DEVELOPMENT PLAN
SADDLEBACK FILING NO. 3
PLANNED UNIT DEVELOPMENT

TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO
SHEET 2 OF 26

PROJECT CONCEPT

THE SADDLEBACK FILING NO. 3 FINAL DEVELOPMENT PLAN (FDP) PROJECT CONCEPT IS FOR AN APPROXIMATE 21.971 ACRE, 80-LOT SINGLE FAMILY RESIDENTIAL COMMUNITY IN THE TOWN OF FIRESTONE TO BE DEVELOPED IN COMPLIANCE WITH THE TOWN'S COMPREHENSIVE PLAN AND THE INTENT OF THE APPROVED OUTLINE DEVELOPMENT PLAN (ODP) FOR SADDLEBACK PUD. SADDLEBACK FILING NO. 3 SHALL BE DEVELOPED AS AN EXTENSION OF THE VEHICULAR, PEDESTRIAN AND UTILITY FACILITIES CONSTRUCTED WITH THE FIRST AND SECOND FILINGS.

TRACTS A AND B SHALL BE LANDSCAPED BUFFER TRACTS BETWEEN THE ADJACENT LOTS AND THE RIGHT-OF-WAY FOR PINE CONE AVENUE, AND SHALL CONTAIN AN EXTENSION OF THE THEMATIC LANDSCAPING AND FENCING APPROVED WITH THE FIRST FILING. TRACT E IS A 0.373 ACRE TRACT THAT WILL BE OWNED BY THE DEVELOPER AND MAINTAINED BY THE HOA.

CIRCULATION SYSTEM

PRIMARY ACCESS SHALL BE PROVIDED VIA A PROPOSED CONNECTION TO PINE CONE AVE. (WCR 20) AT FALCON STREET, AND VIA EXTENSION OF PEAKVIEW AVENUE AND FOXFIRE STREET FROM THE FIRST FILING. PEDESTRIAN CONNECTIVITY SHALL BE VIA AN EXTENSION OF THE EXISTING SIDEWALK SYSTEM CONSTRUCTED IN FILING 1, AND IS ANTICIPATED TO CONTINUE WEST THROUGH FUTURE FILINGS AS THE BALANCE OF THE SADDLEBACK PROPERTY DEVELOPS.

ADJACENT PROPERTIES

PROPERTIES CONTIGUOUS TO THE PROPOSED FILING ARE AS FOLLOWS:
NORTH: RESIDENTIAL (OWL LAKE ESTATES 2ND SUBDIVISION)
EAST: RESIDENTIAL (SADDLEBACK FILING NO. 2)
SOUTH: GOLF COURSE
WEST: RESIDENTIAL (FUTURE PHASES OF SADDLEBACK SUBDIVISION)

PRIVATE MAINTENANCE AND ENFORCEMENT

A MANDATORY HOMEOWNER'S ASSOCIATION (HOA) HAS BEEN CREATED FOR THE DEVELOPMENT. THE ASSOCIATION SHALL OWN AND MAINTAIN THE ASSETS IDENTIFIED IN THE LAND USE TABLE OF FILING NO. 3 INCLUDING PARKS, TRAILS, OPEN SPACE, DRAINAGEWAYS AND FACILITIES, ENTRY FEATURES, AND LIKE ITEMS THAT ARE NOT OWNED AND MAINTAINED BY THE TOWN OF FIRESTONE, UNLESS OTHERWISE SPECIFIED. COVENANTS, CONDITIONS AND RESTRICTIONS (CC&R'S) SHALL GOVERN THE DEVELOPMENT AND ENABLE THE RIGHTS AND DUTIES OF THE HOA.

PARKS, TRAILS AND OPEN SPACE

PER THE APPROVED ODP, THE PRIMARY OPEN SPACE ELEMENT FOR THE SADDLEBACK DEVELOPMENT HAS BEEN PARTIALLY DEVELOPED NEAR THE WETLAND AREA AND FIRESTONE TRAIL LOCATED AT THE WESTERN EDGE OF THE PROPERTY AT COLORADO BOULEVARD. ADDITIONAL OPEN SPACE HAS BEEN DEDICATED AS SHOWN HEREON TO PROVIDE GREEN SPACE, BUFFER AREAS, AND LANDSCAPE TREATMENT APPROPRIATE FOR THE PROJECT. TRACT D SHOWN HEREON SHALL BE DEDICATED TO THE TOWN OF FIRESTONE FOR THE DEVELOPER TO CONSTRUCT A 10-FOOT WIDE CONCRETE PUBLIC TRAIL FROM THE EASTERN BOUNDARY CONNECTING THE TRAIL CONSTRUCTED IN FILING NO. 1 TO THE WESTERN PROPERTY BOUNDARY AS SHOWN HEREON.

CONTROLS

IMPROVEMENTS TO THE COMMON OPEN SPACE SHALL BE CONSTRUCTED AND COMPLETED BY THE DEVELOPER AND MAINTAINED BY THE HOA OR TOWN AS IDENTIFIED IN THE TRACT SUMMARY TABLE. THE DEVELOPER SHALL INSTALL THE EXTERIOR FENCING ALONG THE FRONTAGE OF PINE CONE AVENUE.

WATER METER TABLE		
QUANTITY	SIZE	TYPE
80	5/8"	RESIDENTIAL, SINGLE-FAMILY
1	3/4"	IRRIGATION

DRAINAGE

THE STORMWATER RUNOFF FOR SADDLEBACK FILING NO. 3 SHALL BE MANAGED IN ACCORDANCE WITH THE PRELIMINARY DRAINAGE REPORT FOR THE SADDLEBACK DEVELOPMENT, FIRESTONE COLORADO, BY PARK ENGINEERING CONSULTANTS, SUBMITTED AUGUST 2002, THE FINAL DRAINAGE REPORT, AND ALL CURRENT REGULATIONS HELD FORTH BY THE TOWN OF FIRESTONE.

ALL OF THE STORMWATER FROM SADDLEBACK FILING NO. 3 WILL BE CONVEYED THROUGH A COMBINATION OF OVERLAND, CURB AND GUTTER, SWALE AND PIPE FLOW. ALL STORMWATER IS ROUTED TO ONE OF TWO LOW POINTS LOCATED ALONG PANORAMA AVENUE. INLETS LOCATED AT THESE LOW POINTS CAPTURE RUNOFF THAT IS THEN ROUTED VIA STORM SEWER PIPE TO A SWALE ALONG THE NORTHERN FRINGE OF SADDLEBACK GOLF COURSE. THIS SWALE (CONSTRUCTED DURING THE FIRST FILING) OUTFALLS INTO THE GOLF COURSE LAKE WHICH ATTENUATES PEAK FLOWRATES TO LESS THAN HISTORIC PEAK FLOWRATES. RUNOFF IS ULTIMATELY RELEASED INTO NO NAME CREEK.

A SMALL PORTION OF THE SITE WILL BE RELEASED VIA OVERLAND FLOW TO THE NORTH AND INTO THE EXISTING DRAINAGE DITCH ADJACENT TO PINE CONE AVENUE. THE EXISTING STORM SEWER PLANNED WITHIN FILING 1 TO DISCHARGE INTO THE ROADSIDE DITCH IS PROPOSED TO BE REROUTED INTO THE GOLF COURSE SWALE. THE REMAINING RUNOFF LEAVING THE SITE TO THE NORTH IS LESS THAN THE EXISTING DISCHARGE FROM FILING 1. A SMALL PORTION OF THE SITE WILL BE RELEASED TO THE WEST AND ONTO THE ADJACENT PROPERTY TO THE WEST. THE AMOUNT OF RUNOFF LEAVING THE SITE IN THIS DIRECTION IS LESS THAN THE HISTORIC RUNOFF OCCURRING CURRENTLY.

THE FINAL DRAINAGE REPORT DATED APRIL 25, 2017, AND REVISED MAY 1, 2018 HAS BEEN PREPARED BY EMK CONSULTANTS, INC. AND IS INCLUDED WITH THIS FDP SUBMITTAL.

UTILITIES

SADDLEBACK FILING NO. 3 IS DESIGNED TO SUPPLY ALL REQUIRED UTILITIES EITHER ADJACENT TO OR WITHIN THE SITE. BELOW IS A BREAKDOWN OF THE INDIVIDUAL UTILITIES:

WATER -- WATER SERVICE SHALL BE PROVIDED BY THE TOWN OF FIRESTONE VIA AN EXISTING MASTER METER AT THE INTERSECTION OF PINE CONE AVENUE AND FRONTIER AVENUE. THE EXISTING WATER FROM SADDLEBACK FIRST FILING SHALL BE ROUTED AND LOOPED THROUGH SADDLEBACK FILING NO. 3 AND CONNECTED BACK TO THE WATER MAIN CLOSE TO THE INTERSECTION OF PINE CONE AND OWL LAKE STREET.

SEWER -- SEWER SERVICE SHALL BE PROVIDED BY ST. VRAIN SANITATION DISTRICT. THERE IS AN EXISTING SEWER TRUNK LINE THAT TRAVELS EAST TO WEST ALONG THE SOUTHERN PROPERTY LINE. THE PROPOSED DEVELOPMENT SHALL PROVIDE A COLLECTION SYSTEM WITHIN THE STREETS AND DISCHARGE INTO THE EXISTING TRUNK MAIN TO THE SOUTH.

GAS, ELECTRIC, & TELEPHONE -- ALL DRY UTILITIES ARE LOCATED IN THE FIRST FILING AND ALONG PINE CONE AVENUE ADJACENT TO THE NORTHERN PROPERTY LINE. THESE SERVICES SHALL BE EXTENDED THROUGH THE PROJECT WITHIN DEDICATED UTILITY EASEMENTS.

SEE SHEET 1 FOR A COMPLETE CONTACT LIST OF ALL OF THE UTILITY PROVIDERS.

PARKING

ALL HOMES WITHIN THE DEVELOPMENT SHALL PROVIDE A MINIMUM OF TWO-CAR WIDE ATTACHED GARAGES.

WATER DEDICATION

THE TOWN OF FIRESTONE HAS DETERMINED THE REQUIRED RAW WATER DEDICATION TO BE:

RESIDENTIAL DEMAND (SINGLE FAMILY):

1 OF LOTS 0-10,000 SF = 77 @ 0.80 ACRE-FEET EACH = 46.2 ACRE-FEET
1 OF LOTS 10,001-12,500 SF = 3 @ 0.75 ACRE-FEET EACH = 2.25 ACRE-FEET

DOMESTIC DEMAND = 48.45 ACRE-FEET

TRACT IRRIGATION DEMAND

IRRIGATED AREA= 4,550 SF/43560 = 0.104 AC. (NET)

0.104 ACRES X 2.20 FEET = 0.23 ACRE-FEET

TRACT IRRIGATION DEMAND = 0.23 ACRE-FEET

A TOTAL OF 49 ACRE-FEET SHALL BE TRANSFERRED TO THE TOWN PRIOR TO RECORDING THE FINAL DEVELOPMENT PLAN. THIS DEDICATION SHALL BE SATISFIED BY APPLYING WATER DEDICATION CREDITS (EACH CREDIT BEING 1.0 ACRE-FOOT) PREVIOUSLY PURCHASED IN THE WATER CREDIT PURCHASE AGREEMENT APPROVED BY RESOLUTION NO. 18-10 FOR 30 WATER CREDITS (CREDIT NO. 132-161) AND BY THE WATER CREDIT PURCHASE AGREEMENT AMENDMENT NO. 1 APPROVED BY RESOLUTION NO. 18-12 FOR 19 WATER CREDITS (CREDIT NO. 237-255).

ENVIRONMENTAL IMPACT MITIGATION

AN ENVIRONMENTAL SITE ASSESSMENT WAS CONDUCTED BY TERRECON, FORT COLLINS, COLORADO. THE LATEST VERSION IS DATED APRIL 30, 2002 WITH A FULL TITLE:
PHASE 1 ENVIRONMENTAL SITE ASSESSMENT
FUTURE SADDLEBACK DEVELOPMENT
SEC OF WCR 13 AND WCR 20
FIRESTONE, WELD COUNTY, COLORADO
PROJECT NO. 20027719
APRIL 30, 2002

DEVELOPMENT SCHEDULE

PLANS EXPIRE THREE YEARS FROM DATE OF APPROVAL.

THE PROJECT WILL NOT HAVE SEPARATE PHASES.

ANTICIPATED CONSTRUCTION START DATE:
SUMMER, 2018

ARCHITECTURE

ALL RESIDENTIAL HOMES SHALL BE "STICK BUILT" AND HAVE A MINIMUM OF A TWO-CAR GARAGE. THE INTENT FOR HOME PLACEMENT FOR THIS FDP IS TO REDUCE LINEAR BUILDING PLANES FOR CONSTRUCTED HOUSING. A BUILDING PLANE SHALL BE DEFINED AS A PORTION OF STRAIGHT ROADWAY WHERE CONSTRUCTED HOMES OF THE (S) OR MORE HAVE APPROXIMATELY THE SAME FRONT AND REAR BUILDING WALL LOCATIONS. HOUSING IN THESE LOCATIONS AND ADJACENT TO PUBLIC AREAS SHALL MINIMIZE THE PLANNED LOOK OF HOUSING BY VARYING THE HOUSE PLACEMENT ON ADJACENT LOTS AND FROM LOTS ACROSS THE STREET FROM EACH OTHER.

GENERAL STANDARDS
ARCHITECTURAL STANDARDS WILL CONFORM TO TOWN REGULATIONS AND MUNICIPAL CODE AS THEY MAY BE AMENDED FROM TIME TO TIME.

ELEVATIONS
SAMPLE ARCHITECTURAL ELEVATIONS INDICATING THE GENERAL ARCHITECTURAL STYLE HOMES ARE SHOWN ON SHEETS 23 AND 24. ALL HOMEBUILDERS SHALL SUBMIT PLANS THAT ARE GENERALLY CONSISTENT WITH THE NOTED SAMPLE ELEVATIONS AND MEETS THE ARCHITECTURAL AND DEVELOPMENT STANDARDS NOTED BELOW:

- GENERALLY, WHEN LOOKING AT THE FRONT OF ANY LOT, THE RIGHT ELEVATION IS TO THE RIGHT OF THE FRONT, THE LEFT ELEVATION IS TO THE LEFT OF THE FRONT AND THE REAR ELEVATION IS OPPOSITE THE FRONT OF THE LOT (I.E. THE FRONT ELEVATION).
- ROCK MEANS ROCK, BRICK, STONE OR CULTURED STONE.
- ALL HOMES SHALL HAVE A MINIMUM OF 25% OF THE ENTIRE FRONT ELEVATION (WITH THE AREA OF THE GARAGE ALSO INCLUDED IN THE CALCULATION) IN ROCK OR STUCCO. THE TOWN PLANNER IN HIS SOLE DISCRETION MAY REDUCE THE REQUIREMENT TO 20%, IF IT CAN BE DEMONSTRATED THAT THE ELEVATION DOES NOT NEED 25% TO BE AESTHETICALLY PLEASING OR TO AVOID A SITUATION WHERE ROCK OR STUCCO WOULD BE REQUIRED ON THE SECOND STORY.
- ALL HOMES SHALL MEET THE FOLLOWING ARCHITECTURAL STANDARDS:
 - ALL LAP SIDING SHALL BE NO LESS THAN 8-INCHES WITH NO LESS THAN A 7-INCH EXPOSURE. COTTAGE SIDING IS PROHIBITED.
 - ALL WINDOWS AND BUILDING CORNERS MUST HAVE A MINIMUM OF A 4-INCH TRIM BOARD.
 - ROOF MATERIALS SHALL BE DIMENSIONAL ASPHALT SHINGLE TREATMENT DESIGNED TO PROVIDE INCREASED CONTRAST AND SHADOWS. THE ROOF COLORS SHALL COORDINATE WITH OR COMPLEMENT THE MAIN COLOR OF THE STRUCTURE.
 - SIMILAR HOUSE ELEVATIONS SHALL NOT BE PLACED NEXT TO OR DIRECTLY ACROSS FROM ONE ANOTHER.
 - DETACHED GARAGES ARE NOT PERMITTED.
 - ALL RESIDENTIAL HOMES SHALL BE "STICK BUILT" AND HAVE A MINIMUM OF A TWO CAR WIDE ATTACHED GARAGE.
 - ALL HOMES SHALL HAVE A MINIMUM FLOOR AREA OF 1,400 SQUARE FEET FOR RANCH PLANS (SINGLE STORY) AND 1,700 SQUARE FEET FOR MULTI-LEVEL PLANS. IN ALL CASES THE CALCULATION OF FLOOR AREA DOES NOT INCLUDE THE FLOOR AREA OF ANY PART OF THE GARAGE, BASEMENT, ATTIC, DECK, PATIO OR OTHER SIMILAR ACCESSORY AREA.
 - ALL HOMES SHALL HAVE CRAWL SPACES.
 - ANY ELEVATION THAT HAS ROCK, BRICK, CULTURED STONE, OR STUCCO AT THE BASE OF THE ELEVATION, SUCH MATERIAL SHALL WRAP AROUND AT LEAST 2-FEET ON TO THE ADJOINING ELEVATION.
- ENHANCED ELEVATION OPTION 1 SHALL MEAN THE ELEVATION SHALL HAVE A MINIMUM OF 25% ROCK OR CULTURED STONE, WITH AT LEAST ONE WINDOW. ALL WINDOWS SHALL HAVE SHUTTERS. THE TOWN PLANNER IN HIS SOLE DISCRETION MAY, ON A CASE BY CASE BASIS, WAIVE THE REQUIREMENT FOR A WINDOW, IF IT CAN BE DEMONSTRATED THAT THE WINDOW WOULD NOT BE PROMINENT TO THE VIEW FROM PINE CONE AVENUE, CONFLICT WITH THE INTERIOR ARCHITECTURE OR CONFLICT WITH WINDOWS ON AN ADJOINING HOME THE FOLLOWING ITEMS SHALL ALSO BE INCLUDED IN WITH OPTION 1:
 - THE REAR ELEVATION MUST INCLUDE AT LEAST TWO WINDOWS OR ONE WINDOW AND ONE DOORWAY.
 - THE REAR ELEVATION SHALL HAVE A MINIMUM OF TWO ROOF BREAKS TO CREATE A VARIATION IN ROOF MASSING.
 - THE REAR WALL SHALL INCLUDE AT LEAST ONE OF THE FOLLOWING ELEMENTS.
ANGLED OR BOX BAY.
DECK, BALCONY OR PATIO.

LAND USE TABLE

TRACT	OWNERSHIP	MAINTENANCE	PURPOSE/USE	AREA (SQ. FT.)	AREA (ACRES)	% OF TOTAL	TRACT AREA IRRIGATED	TRACT AREA TEMP. IRRIGATION	TRACT AREA (PAVED OR IMPERVIOUS)
A	HOA	HOA	DRAINAGE, UTILITIES, LANDSCAPE, PUBLIC ACCESS	3,847	0.088	0.40%	1,920 SQ. FT.	19,054 SQ. FT.	0 SQ. FT.
B	HOA	HOA	DRAINAGE, UTILITIES, LANDSCAPE, PUBLIC ACCESS	20,974	0.481	2.19%	2,630 SQ. FT.	1,217 SQ. FT.	0 SQ. FT.
C	HOA	HOA	DRAINAGE, UTILITIES, LANDSCAPE, PUBLIC ACCESS	46,872	1.076	4.90%	0 SQ. FT.	44,004 SQ. FT.	2,868 SQ. FT.
D	TOWN	HOA	DRAINAGE, PUBLIC TRAIL, PUBLIC ACCESS	37,630	0.864	3.93%	0 SQ. FT.	27,050 SQ. FT.	10,580 SQ. FT.
E	DEVELOPER	HOA	DRAINAGE, UTILITIES, LANDSCAPE, PUBLIC ACCESS	16,246	0.373	1.70%	0 SQ. FT.	16,246 SQ. FT.	0 SQ. FT.
F	HOA	HOA	DRAINAGE, UTILITIES, LANDSCAPE, PUBLIC ACCESS	39,348	0.903	4.11%	0 SQ. FT.	0 SQ. FT.	39,348 SQ. FT.
G	HOA	HOA	DRAINAGE, LANDSCAPE, PUBLIC ACCESS, TOWN OF FIRESTONE WATER	2,534	0.058	0.26%	0 SQ. FT.	1,921 SQ. FT.	613 SQ. FT.
H	TOWN	TOWN	RIGHT-OF-WAY	17,916	0.411	1.87%	0 SQ. FT.	0 SQ. FT.	17,916 SQ. FT.
J	HOA	HOA	DRAINAGE, UTILITIES, LANDSCAPE, PUBLIC ACCESS	3,870	0.089	0.40%	0 SQ. FT.	3,869 SQ. FT.	0 SQ. FT.
TOTAL TRACTS				189,237	4.344	19.77%			
STREET RIGHTS-OF-WAY				ROADWAYS		4.295	19.55%		
SINGLE FAMILY DETACHED LOTS:				80 LOTS (3.6 DU/AC)	13.332	60.68%	MINIMUM LOT SIZE		6,300 SQ. FT.
GRAND TOTAL					21.971	100.0%	MAXIMUM LOT SIZE		11,869 SQ. FT.

ARCHITECTURE CONT'D

- ENHANCED ELEVATION OPTION 2 SHALL MEAN THE ELEVATION SHALL HAVE AT LEAST ONE WINDOW. ALL WINDOWS ON ENHANCED ELEVATION SIDES SHALL HAVE EITHER SHUTTERS OR WINDOW GRID OF CONVENTIONAL OR "PRAIRIE" STYLE. THE TOWN PLANNER MAY ON A CASE BY CASE BASIS, IN HIS SOLE DISCRETION WAIVE THE REQUIREMENT FOR A WINDOW ON ANY ELEVATION. THE FOLLOWING ITEMS SHALL ALSO BE INCLUDED IN WITH OPTION 2:
 - THE REAR ELEVATION SHALL HAVE A MINIMUM OF TWO ROOF BREAKS TO CREATE A VARIATION IN ROOF MASSING.
 - DECORATIVE GABLE END VENT OR VENTS.
 - THE REAR WALL SHALL INCLUDE AT LEAST ONE OF THE FOLLOWING ELEMENTS.
ANGLED OR BOX BAY.
DECK, BALCONY OR PATIO.

LOCATIONS FOR REQUIRED ENHANCED OPTION 1 AND 2 ARE PROVIDED IN THE ENHANCED ELEVATIONS OPTION TABLE ON SHEETS 4 AND 5.

FOUNDATION WALLS

THE MAXIMUM AMOUNT OF FOUNDATION WALL PERMITTED TO BE EXPOSED ABOVE FINISHED GRADE IS 8".

ADDRESS SIGNS

STREET ADDRESSES ARE TO BE PROMINENTLY DISPLAYED IN CONTRASTING COLOR PLAINLY VISIBLE FROM THE STREET.

ACCESSORY BUILDINGS

ACCESSORY BUILDINGS SHALL NOT BE PERMITTED.

D. HOME MODEL ELEVATIONS SHALL VARY ON ADJACENT LOTS.

AS REQUIRED BY TOWN DEVELOPMENT STANDARDS, THE FOLLOWING HEIGHT LIMITATIONS ARE INCLUDED WITH THIS DEVELOPMENT PLAN:

RESIDENTIAL AREAS -- MAXIMUM HEIGHT = 35 FEET
BUILDING HEIGHTS ARE CALCULATED AS DEFINED IN THE UNIFORM BUILDING CODE.

ENTRANCE SIGNAGE SHALL BE INSTALLED BY THE DEVELOPER PER THE PLAN AND DETAILS CONTAINED HEREIN. A REVOCABLE LICENSE AGREEMENT SHALL BE OBTAINED FOR ANY SIGNAGE LOCATED ON TOWN PROPERTY OTHER THAN STREET OR DIRECTIONAL SIGNAGE.

THE PURPOSE AND INTENT OF TEMPORARY SIGNAGE IS FOR SALES MARKETING. TEMPORARY SIGNAGE SHALL BE SUBJECT TO THE PROVISIONS OF CHAPTER 17.31 OF THE TOWN CODE.

NOTE

LOTS 11, 21, AND 22 BLOCK 1 SHALL BE CONSTRUCTED WITH MINIMUM OF A 3-CAR GARAGE TO ALLOW FOR ADEQUATE PARKING.

SETBACKS

NO BUILDING OR OTHER STRUCTURE SHALL BE CONSTRUCTED WITHIN THE FOLLOWING SETBACKS:

	SETBACK REQUIREMENT
FRONT SETBACK	15 FT TO THE FACE OF STRUCTURE -- 20 FT TO FACE OF GARAGE-- 10 FT TO UNENCLOSED COVERED PORCH WITHOUT LIVING SPACE ABOVE PORCH
SIDE SETBACK	5 FT
REAR SETBACK	15 FT
CORNER LOT SIDE SETBACK FROM LOCAL STREETS	10 FT: 20 FT TO FACE OF GARAGE IF SIDE ENTRY
ENCROACHMENTS	CANTILEVERS, WINDOW WELLS, CHIMNEYS, BAY OR BOX WINDOWS, BRICK OR STONE LEDGES AND ROOF OVERHANGS MAY ENCRACH THE SETBACK A MAXIMUM OF 24 INCHES
DECKS AND PATIOS	DECKS AND PATIOS 20 INCHES OR LESS ABOVE GRADE MAY ENCRACH THE REAR SETBACK PROVIDED THEY ARE NO CLOSER THAN EIGHT (8) FEET TO THE REAR PROPERTY LINE. OPEN OR ENCLOSED DECKS ON THE MAIN LEVEL OF A WALKOUT OR GARDEN LEVEL CONDITION MAY ENCRACH INTO THE REAR SETBACK PROVIDED THEY ARE NO CLOSER THAN TEN (10) FEET TO THE REAR PROPERTY LINE.

EAVES, OVERHANGS AND STEPS SHALL NOT BE CONSIDERED PART OF A BUILDING FOR PURPOSES FOR THE FOREGOING SETBACKS

SADDLEBACK FILING NO. 3	
GENERAL NOTES	
NAME OF APPLICATION:	SADDLEBACK
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	3
PHASE NUMBER:	N/A
PREPARATION DATE:	04-07-17
REVISION DATE:	08-07-17
REVISION DATE:	01-19-18
REVISION DATE:	05-01-18
REVISION DATE:	
SHEET 2 OF 26	

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NO.	DESCRIPTION	DATE	DATE	DATE	DATE

SADDLEBACK FILING NO. 3

GENERAL NOTES

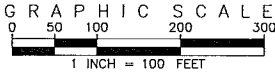
DATE: APR. 7, 2017
JOB NO: 12982.00

SCALE
HORIZONTAL N/A
VERTICAL N/A

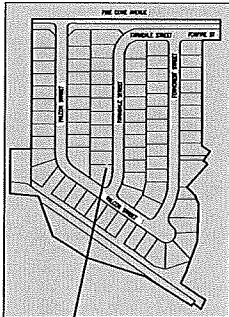
2 of 26

FINAL DEVELOPMENT PLAN
SADDLEBACK FILING NO. 3

PLANNED UNIT DEVELOPMENT
TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO
SHEET 3 OF 26



KEY MAP



THIS SHEET

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NOTES:

1. EXISTING PLUGGED AND ABANDONED OIL &
GAS WELL API # 05-123-08514.
WELL CAP ELEVATION = 4954.571
FINISHED GROUND ELEVATION = 4964.41

TOWN APPROVAL

APPROVED BY THE TOWN BOARD OF TRUSTEES OF THE TOWN OF
FIRESTONE, COLORADO THIS _____ DAY OF _____, 20____.
BY RESOLUTION NO. _____

MAYOR _____ ATTEST: TOWN CLERK _____

SADDLEBACK FILING NO. 3	
TRACT PLAN	
NAME OF APPLICATION:	SADDLEBACK
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	3
PHASE NUMBER:	N/A
PREPARATION DATE:	04-07-17
REVISION DATE:	08-07-17
REVISION DATE:	01-19-18
REVISION DATE:	05-01-18
REVISION DATE:	

SHEET 3 OF 26

SADDLEBACK FILING NO. 3

TRACT PLAN

DATE: APR. 7, 2017

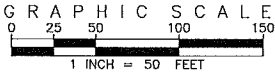
JOB NO: 12982.00

SCALE
HORIZONTAL: 1"=100'
VERTICAL: N/A

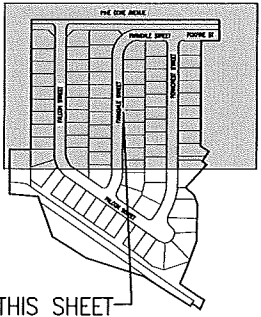
3 of 26

FINAL DEVELOPMENT PLAN
SADDLEBACK FILING NO. 3
PLANNED UNIT DEVELOPMENT

TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO
SHEET 4 OF 26



KEY MAP



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NO.	DESCRIPTION	DATE BY:	
1		D/D	
2		D/L	
3		C/W	
4		ERM	

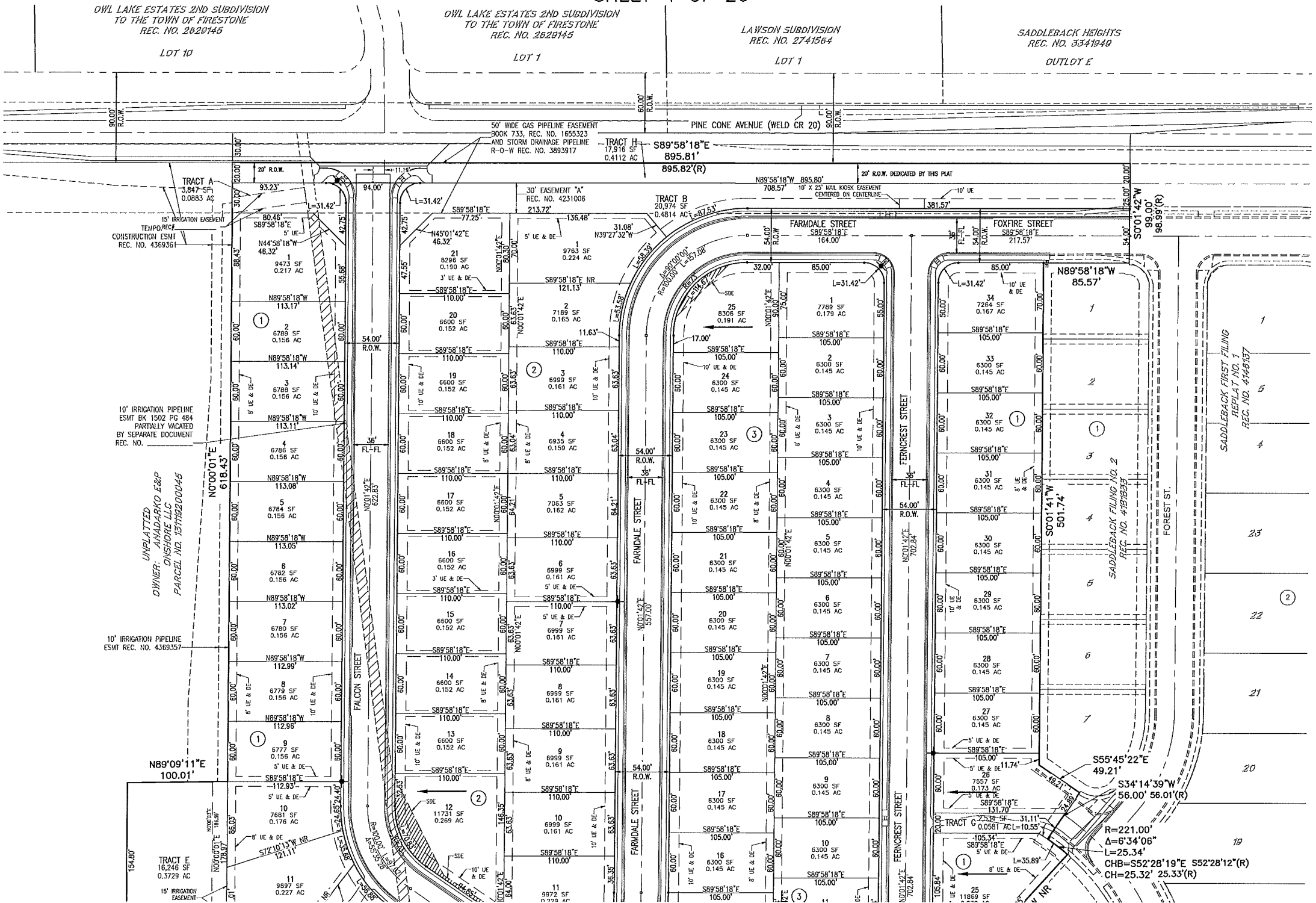
SADDLEBACK FILING NO. 3	SITE PLAN (NORTH)
DATE: APR. 7, 2017	JOB NO: 12982.00
SCALE	
HORIZONTAL 1"=50'	VERTICAL N/A
4 of 26	

ENHANCED ELEVATION TABLE			
LOT NUMBER	ELEVATION AND OPTION NUMBER		
	LEFT	RIGHT	REAR
BLOCK 1			
1		1	
2			1
3			1
4			1
5			1
6			1
7			1
8			1
9			1
10			1
11			1
12		1	1
13			1
14			1
15			1
16			1
17	1		1
18		1	1
19			1
20			1
21			1
22			1
23			1
24			1
25	2		2
26		2	2
BLOCK 2			
1		1	
11	2		
12	2		2
21	1		
BLOCK 3			
1		1	
13	2		
14		2	
25	1		1
BLOCK 4			
1	1		
7		2	

NOTE:
THE VARIABLE WIDTH SIGHT DISTANCE EASEMENT
(SDE) IS A NO-BUILD AREA AND RESTRICTS
VEGETATION AND PERMANENT STRUCTURES MORE
THAN THREE FEET TALL.

LEGEND:
HOUSE FACING DIRECTION

SADDLEBACK FILING NO. 3 SITE PLAN (NORTH)	
NAME OF APPLICATION:	SADDLEBACK
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	3
PHASE NUMBER:	N/A
PREPARATION DATE:	04-07-17
REVISION DATE:	08-07-17
REVISION DATE:	01-19-18
REVISION DATE:	05-01-18
REVISION DATE:	

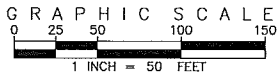


FOR CONTINUATION SEE SHEET 5

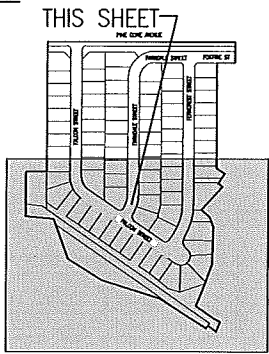
FINAL DEVELOPMENT PLAN
SADDLEBACK FILING NO. 3

PLANNED UNIT DEVELOPMENT
TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO
SHEET 5 OF 26

FOR CONTINUATION SEE SHEET 4



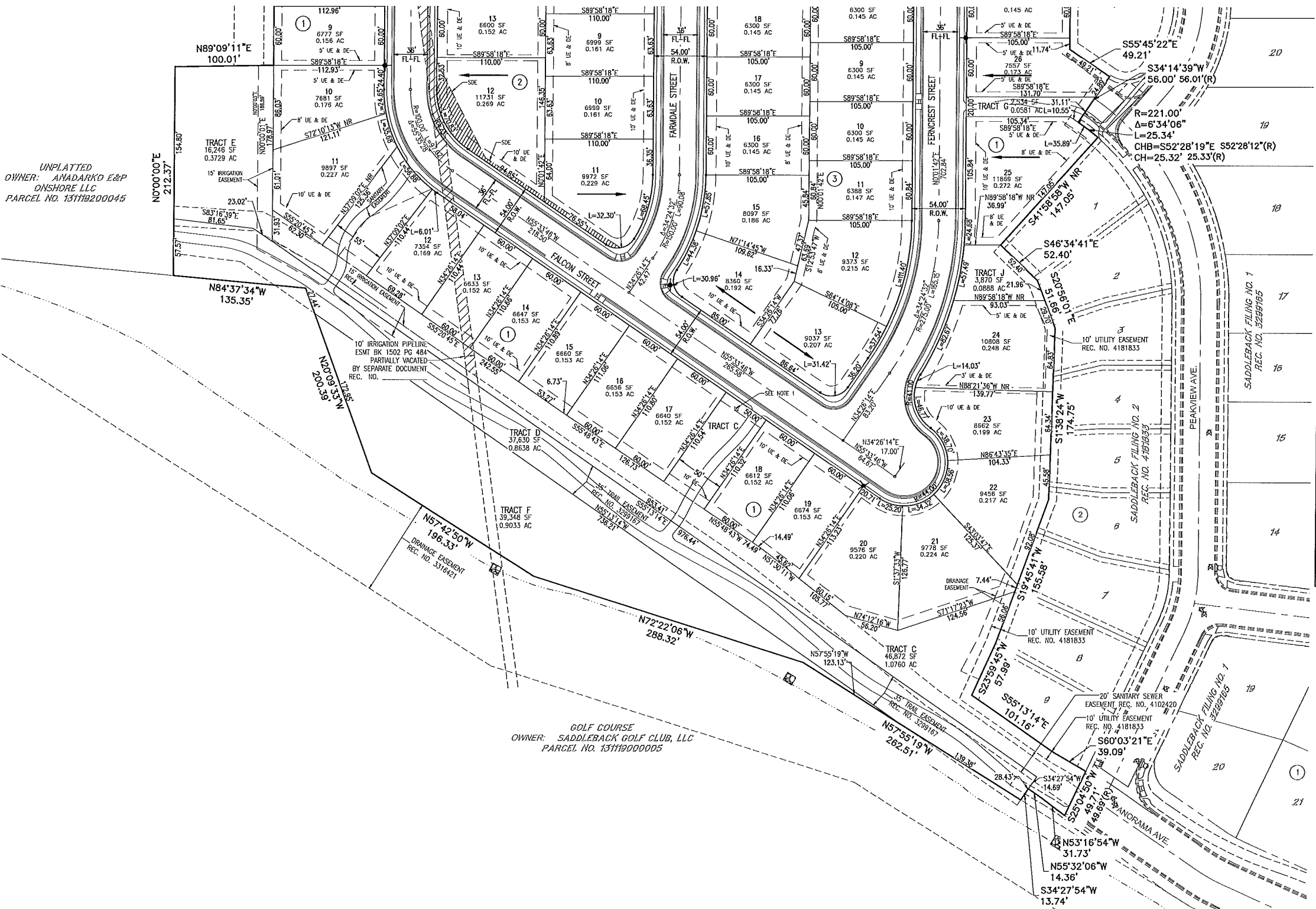
KEY MAP



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UNPLATTED
OWNER: ANADARKO E&P
ONSHORE LLC
PARCEL NO. 131118200045



GOLF COURSE
OWNER: SADDLEBACK GOLF CLUB, LLC
PARCEL NO. 131119000005

ENHANCED ELEVATION TABLE			
LOT NUMBER	ELEVATION AND OPTION NUMBER		
	LEFT	RIGHT	REAR
BLOCK 1			
1		1	1
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
BLOCK 2			
1		1	
11	2		
12	2	2	
21	1		
BLOCK 3			
1		1	
13	2		
14		2	
25	1	1	
BLOCK 4			
1	1		
7		2	

NOTES:

- EXISTING PLUGGED AND ABANDONED OIL & GAS WELL API # 05-123-08514, WELL CAP ELEVATION = 4954.571 FINISHED GROUND ELEVATION = 4964.41
- THE VARIABLE WIDTH SIGHT DISTANCE EASEMENT (SDE) IS A NO-BUILD AREA AND RESTRICTS VEGETATION AND PERMANENT STRUCTURES MORE THAN THREE FEET TALL.

LEGEND:

HOUSE FACING DIRECTION

SADDLEBACK FILING NO. 3	
SITE PLAN (SOUTH)	
NAME OF APPLICATION:	SADDLEBACK
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	3
PHASE NUMBER:	N/A
PREPARATION DATE:	04-07-17
REVISION DATE:	06-07-17
REVISION DATE:	01-19-18
REVISION DATE:	05-01-18
REVISION DATE:	

SHEET 5 OF 26

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NO.	DESCRIPTION
DESIGNED BY: DAO	DATE BY:
DRAWN BY: DLT	
CHECKED BY: CAW	
APPROVED BY: ERM	

SADDLEBACK FILING NO. 3

SITE PLAN (SOUTH)

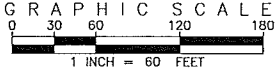
DATE: APR. 7, 2017
JOB NO: 12982.00

SCALE
HORIZONTAL 1"=50'
VERTICAL N/A

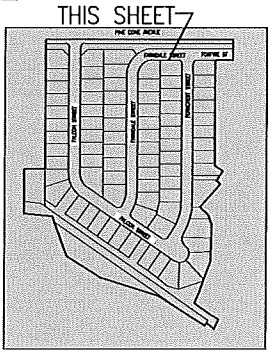
5 of 26

FINAL DEVELOPMENT PLAN
SADDLEBACK FILING NO. 3

PLANNED UNIT DEVELOPMENT
TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO
SHEET 6 OF 26



KEY MAP



- LEGEND**
- PROPOSED STORM SEWER, INLET, MANHOLE, & FLARED END SECTION
 - EXISTING STORM SEWER, INLET, MANHOLE, & FLARED END SECTION
 - PROPOSED SANITARY SEWER & MANHOLE
 - EXISTING SANITARY SEWER & MANHOLE
 - PROPOSED WATER MAIN, FIRE HYDRANT, VALVE, REDUCER & BEND
 - EXISTING WATER MAIN, FIRE HYDRANT, VALVE, & REDUCER
 - PROPOSED STREET LIGHT LOCATION
 - EXISTING STREET LIGHT
 - IRRIGATION POINT OF CONNECTION NO. 1

- NOTES:**
- THE SIZE, TYPE AND LOCATION OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE TO THE BEST AVAILABLE INFORMATION PROVIDED WHEN SHOWN ON THESE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF ALL UNDERGROUND UTILITIES IN THE AREA OF THE WORK. BEFORE COMMENCING NEW CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR ALL UNKNOWN UNDERGROUND UTILITIES.
 - ALL WATER CONSTRUCTION SHALL BE PER THE TOWN OF FIRESTONE STANDARD CONSTRUCTION SPECIFICATIONS, LATEST EDITION.
 - ALL SEWER CONSTRUCTION SHALL BE PER ST. VRAIN SANITATION DISTRICT STANDARD CONSTRUCTION SPECIFICATIONS, LATEST EDITION.
 - MAINTAIN 10' HORIZONTAL AND 18" VERTICAL MINIMUM SEPARATION BETWEEN ALL SANITARY SEWER MAINS, WATER MAINS AND SERVICES.
 - ALL VALVES AND FITTINGS SHALL HAVE MECHANICAL JOINT RESTRAINTS (MEG-A-LUG OR APPROVED EQUAL).
 - EXISTING PLUGGED AND ABANDONED OIL & GAS WELL API # 05-123-08514. WELL CAP ELEVATION = 4954.571 FINISHED GROUND ELEVATION = 4964.41

SADDLEBACK FILING NO. 3	
OVERALL UTILITY PLAN	
NAME OF APPLICATION:	SADDLEBACK
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	3
PHASE NUMBER:	N/A
PREPARATION DATE:	04-07-17
REVISION DATE:	08-07-17
REVISION DATE:	01-19-18
REVISION DATE:	05-01-18
REVISION DATE:	

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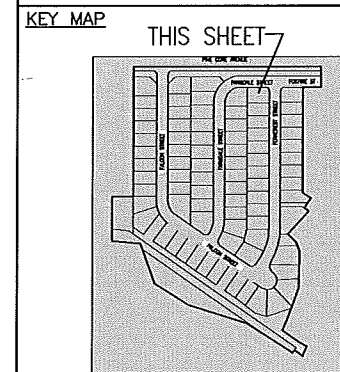
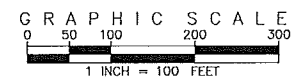
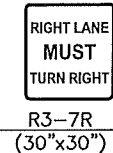
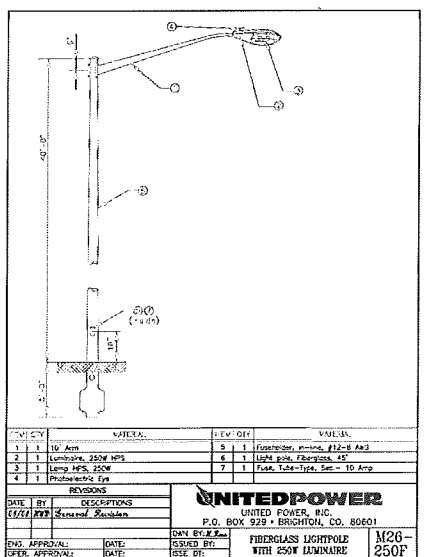
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REVISIONS	
DATE	BY

SADDLEBACK FILING NO. 3	OVERALL UTILITY PLAN
DATE: APR. 7, 2017	JOB NO: 12982.00
SCALE	
HORIZONTAL 1"=60'	VERTICAL N/A
6 of 26	

PLANNED UNIT DEVELOPMENT
TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO
SHEET 7 OF 26



- LEGEND**
- | | |
|---|--------------------------------|
|  | PROPOSED SIGN LOCATION |
|  | EXISTING STREET SIGN LOCATION |
|  | PROPOSED STREET LIGHT LOCATION |
|  | EXISTING STREET LIGHT LOCATION |
|  | TYPE II BARRICADE |
|  | (IBR) TO BE REMOVED |

NOTES:

1. EXISTING PLUGGED AND ABANDONED OIL & GAS WELL API # 05-123-08514.
WELL CAP ELEVATION = 4954.571
FINISHED GROUND ELEVATION = 4964.41

SADDLEBACK FILING NO. 3	
OVERALL SIGNAGE AND STREET LIGHTING PLAN	
NAME OF APPLICATION:	SADDLEBACK
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	3
PHASE NUMBER:	N/A
PREPARATION DATE:	04-07-17
REVISION DATE:	08-07-17
REVISION DATE:	01-19-18
REVISION DATE:	06-01-18
REVISION DATE:	

SHEET 7 OF 28

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NO.		DESCRIPTION		DATE		BY	
DJO							
DRAWN BY:							
TTL							
CHECKED BY:							
GAW							
APPROVED BY:							

SADDLEBACK FILING NO. 3

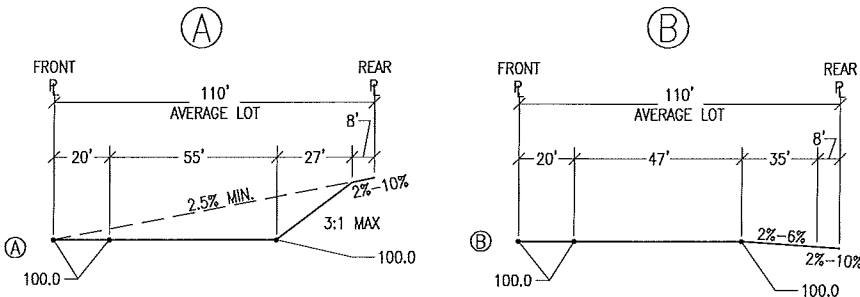
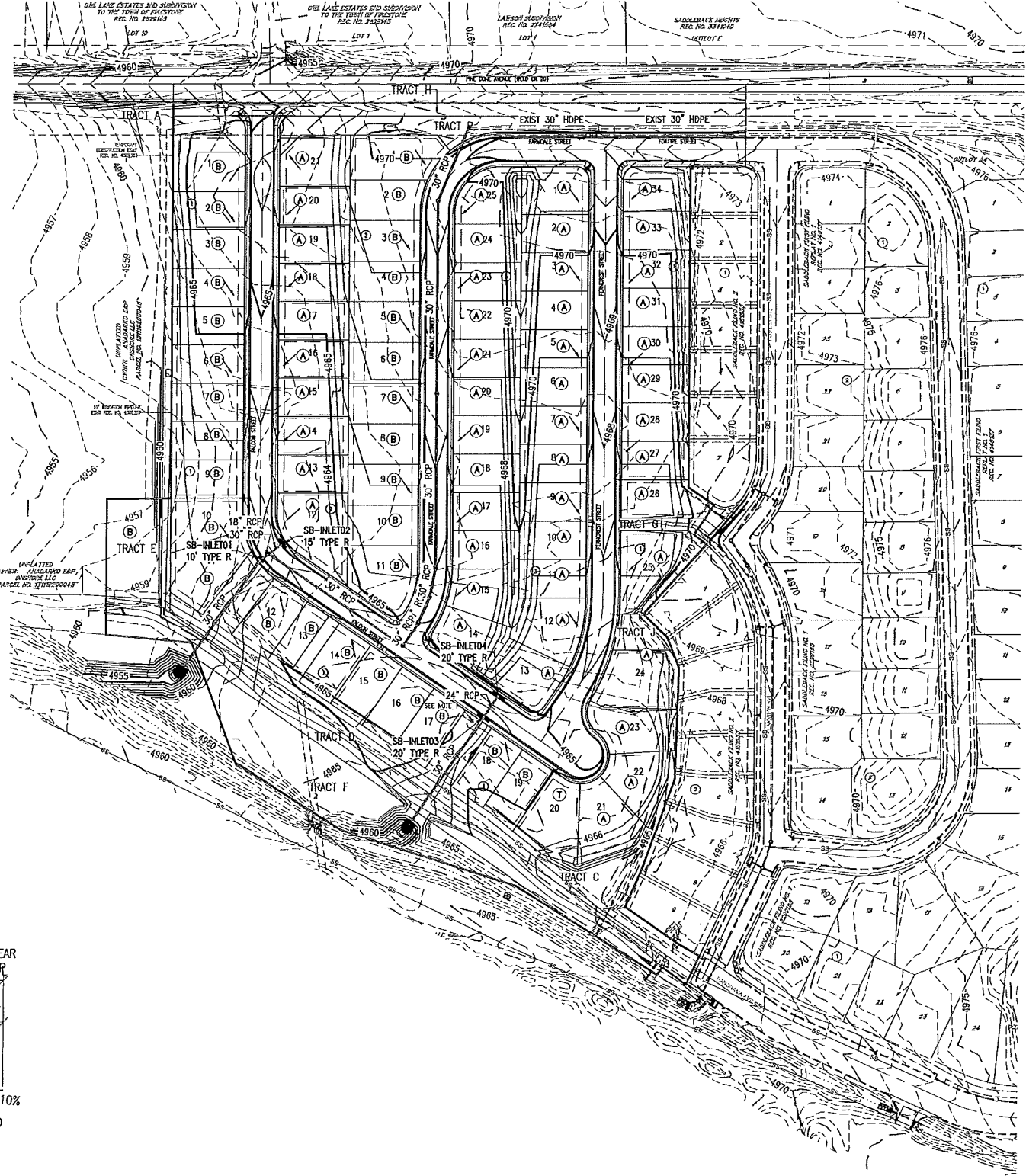
DATE: APR. 7, 2011
JOB NO: 12982.00

SCALE	
HORIZONTAL 1"=100'	VERTICAL N/A
7 of 26	

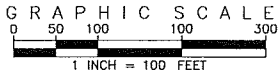
FINAL DEVELOPMENT PLAN
SADDLEBACK FILING NO. 3

PLANNED UNIT DEVELOPMENT
TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO
SHEET 8 OF 26

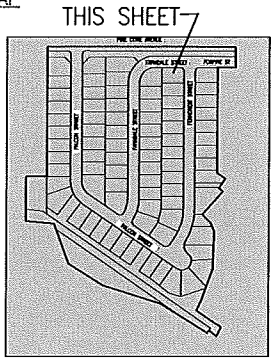
ESTIMATED EARTHWORK QUANTITIES			
Saddleback Filing 3			
PROPOSED SURFACE: SB-FG EXISTING SURFACE: SB-EG			
JOB NO.: 12982.00 DATE: 05/01/18			
DESCRIPTION	QUANTITIES (CUBIC YARDS)		NOTES
	CUT	FILL	
GROSS EXCAVATION (FINISH GRADE)	14,700	21,800	FROM CIVIL 3D, ROUNDED TO NEAREST 100 CY
ADJUSTMENTS	4,800	-2,300	
STRIPPINGS IN FILL AREA	5,500	5,500	
COMPACTON	27,100	25,000	
12% SUBTOTAL	27,100	25,000	
TOTAL EARTHWORK	27,100	25,000	3,000 APPLIES TO FILL ONLY
SITE BALANCE ADJUSTMENT QUANTITY			
NET EXCESS USABLE CUT (EXPORT)	3.2%	900	
NET FILL REQUIRED (IMPORT)			
STRIPPINGS			
FILL AREAS	DEPTH	AREA	DEPTH IN INCHES, AREA IN ACRES
CUT AREAS	4	9.7	ADDED TO CUT AND FILL ABOVE
			INCLUDED IN EXCAVATION ABOVE
ROADWAY CORRE LENGTH			
LOCAL	IN/CUT	IN/FILL	CY/ET
COLLECTOR	2450	1170	2
ARTERIAL	0	0	4.4
	0	0	5.7
TOTAL ROADWAY CORRE	4,900	2,300	
			2,300 ADD TO CUT; SUBTRACT FROM FILL
NOTE: THE ABOVE EARTHWORK QUANTITIES ARE ESTIMATED AT PLUS OR MINUS 12%. THESE APPROXIMATE QUANTITIES ARE CALCULATED BY COMPARING THE EXISTING TOPOGRAPHY WITH THE PROPOSED GRADING, TAKING INTO ACCOUNT STRIPPINGS, ROADWAY EXCAVATION, AND COMPACTON FOR FILL AREAS. THE ENGINEER HAS NO CONTROL OVER THE CONTRACTOR'S EQUIPMENT OR METHOD OF CONSTRUCTION, INCLUDING ACTUAL COMPACTON PERCENTAGE. IF THE CONTRACTOR WISHES GREATER ASSURANCE AS TO THE ESTIMATED QUANTITIES, HE SHALL EMPLOY AN INDEPENDENT ESTIMATOR. IF THE CONTRACTOR HAS A DISPUTE WITH THE QUANTITIES SHOWN, EITHER BEFORE DURING, OR AFTER THE EARTHMOVING OPERATION, THE BURDEN OF PROOF FOR SUBSTANTIATING SUCH CLAIMS SHALL BE AT THE CONTRACTOR'S EXPENSE. "LOAD COUNTS" WILL NOT BE CONSIDERED AS PROOF.			



PROPOSED OVERLOT
TEMPLATES



KEY MAP



LEGEND

- (A) LOT TYPE
- FLOW ARROW
- (58.5) LOT CORNER ELEVATION
- ~ PROPOSED MAJOR CONTOUR
- ~ PROPOSED MINOR CONTOUR
- ~ EXISTING MAJOR CONTOUR
- ~ EXISTING MINOR CONTOUR

NOTES:

- EXISTING PLUGGED AND ABANDONED OIL & GAS WELL API # 05-123-08514, WELL CAP ELEVATION = 4954.571, FINISHED GROUND ELEVATION = 4984.41

SADDLEBACK FILING NO. 3	
OVERALL GRADING PLAN	
NAME OF APPLICATION:	SADDLEBACK
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	3
PHASE NUMBER:	N/A
PREPARATION DATE:	04-07-17
REVISION DATE:	08-07-17
REVISION DATE:	01-19-18
REVISION DATE:	05-01-18
REVISION DATE:	
SHEET 8 OF 26	

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REVISIONS	
NO.	DESCRIPTION
1	
2	
3	
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SADDLEBACK FILING NO. 3	OVERALL GRADING PLAN
DATE: APR. 7, 2017	JOB NO: 12982.00
SCALE	1"=100'
8 of 26	

SADDLEBACK FILING NO. 3

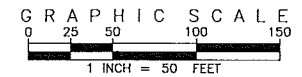
BLOCK 1		
LOT NO.	ADDRESS NUMBER	STREET NAME
1	8973	FALCON STREET
2	8963	FALCON STREET
3	8953	FALCON STREET
4	8943	FALCON STREET
5	8935	FALCON STREET
6	8923	FALCON STREET
7	8911	FALCON STREET
8	8899	FALCON STREET
9	8887	FALCON STREET
10	8875	FALCON STREET
11	8865	FALCON STREET
12	8851	FALCON STREET
13	8843	FALCON STREET
14	8837	FALCON STREET
15	8831	FALCON STREET
16	8825	FALCON STREET
17	8817	FALCON STREET
18	8807	FALCON STREET
19	8801	FALCON STREET
20	8794	FERNCREST STREET
21	8796	FERNCREST STREET
22	8798	FERNCREST STREET
23	8810	FERNCREST STREET
24	8830	FERNCREST STREET
25	8856	FERNCREST STREET
26	8878	FERNCREST STREET
27	8890	FERNCREST STREET
28	8902	FERNCREST STREET
29	8920	FERNCREST STREET
30	8932	FERNCREST STREET
31	8938	FERNCREST STREET
32	8946	FERNCREST STREET
33	8958	FERNCREST STREET
34	8970	FERNCREST STREET

FINAL DEVELOPMENT PLAN SADDLEBACK FILING NO. 3

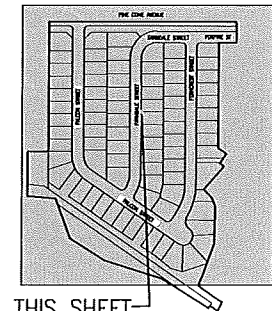
PLANNED UNIT DEVELOPMENT
TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO
SHEET 11 OF 26

SADDLEBACK FILING NO. 3

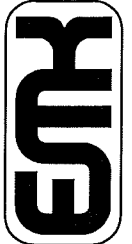
BLOCK 2		
LOT NO.	ADDRESS NUMBER	STREET NAME
1	8975	FARMDALE STREET
2	8967	FARMDALE STREET
3	8955	FARMDALE STREET
4	8943	FARMDALE STREET
5	8935	FARMDALE STREET
6	8923	FARMDALE STREET
7	8911	FARMDALE STREET
8	8899	FARMDALE STREET
9	8887	FARMDALE STREET
10	8865	FARMDALE STREET
11	8853	FARMDALE STREET
12	8872	FALCON STREET
13	8888	FALCON STREET
14	8900	FALCON STREET
15	8912	FALCON STREET
16	8924	FALCON STREET
17	8936	FALCON STREET
18	8944	FALCON STREET
19	8954	FALCON STREET
20	8964	FALCON STREET
21	8974	FALCON STREET



KEY MAP



EMK CONSULTANTS, INC.
LAND DEVELOPMENT
ENGINEERING/SURVEYING
7006 SOUTH ALTON WAY, BLDG. F
CENTENNIAL, COLORADO 80112-2019
(303)894-1520
WWW.EMKCONS.COM



SCALE VERIFICATION BAR IS ONE INCH
ON ORIGINAL DRAWING. IF NOT
ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.

REUSE OF DOCUMENT
THE IDEAS AND DESIGN INCORPORATED HEREON, AS AN INSTRUMENT OF
SERVICE, ARE THE PROPERTY OF EMK CONSULTANTS, INC. AND ARE NOT TO BE
REPRODUCED OR USED FOR ANY OTHER PROJECT WITHOUT
WRITTEN AUTHORIZATION OF EMK CONSULTANTS, INC.



DESIGNED BY		DATE	
DA	04/07/17	DATE	
DRAWN BY		DATE	
DT	04/07/17	DATE	
CHECKED BY		DATE	
CAH	04/07/17	DATE	
APPROVED BY		DATE	
ERM	04/07/17	DATE	

SADDLEBACK FILING NO. 3

BLOCK 3		
LOT NO.	ADDRESS NUMBER	STREET NAME
1	8969	FERNCREST STREET
2	8957	FERNCREST STREET
3	8945	FERNCREST STREET
4	8937	FERNCREST STREET
5	8931	FERNCREST STREET
6	8919	FERNCREST STREET
7	8901	FERNCREST STREET
8	8889	FERNCREST STREET
9	8877	FERNCREST STREET
10	8865	FERNCREST STREET
11	8853	FERNCREST STREET
12	8835	FERNCREST STREET
13	8819	FERNCREST STREET
14	8840	FARMDALE STREET
15	8852	FARMDALE STREET
16	8864	FARMDALE STREET
17	8876	FARMDALE STREET
18	8888	FARMDALE STREET
19	8900	FARMDALE STREET
20	8912	FARMDALE STREET
21	8924	FARMDALE STREET
22	8936	FARMDALE STREET
23	8944	FARMDALE STREET
24	8954	FARMDALE STREET
25	8968	FARMDALE STREET

LEGEND:
HOUSE FACING DIRECTION

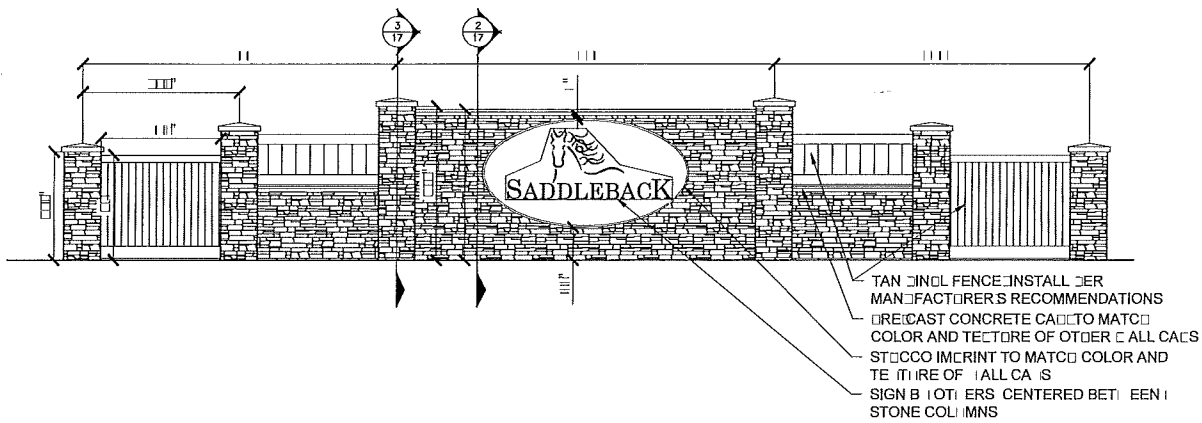
SADDLEBACK FILING NO. 3	
ADDRESSING PLAN	
NAME OF APPLICATION:	SADDLEBACK
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	3
PHASE NUMBER:	N/A
PREPARATION DATE:	04-07-17
REVISION DATE:	08-07-17
REVISION DATE:	01-19-18
REVISION DATE:	05-01-18
REVISION DATE:	

SADDLEBACK FILING NO. 3

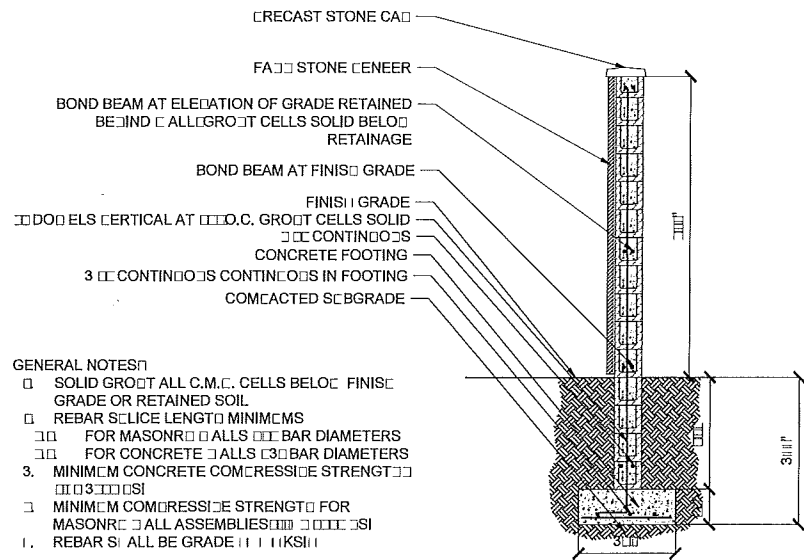
ADDRESSING PLAN

DATE: APR. 7, 2017
JOB NO: 12982.00

SCALE
HORIZONTAL 1"=50'
VERTICAL N/A
11 of 26

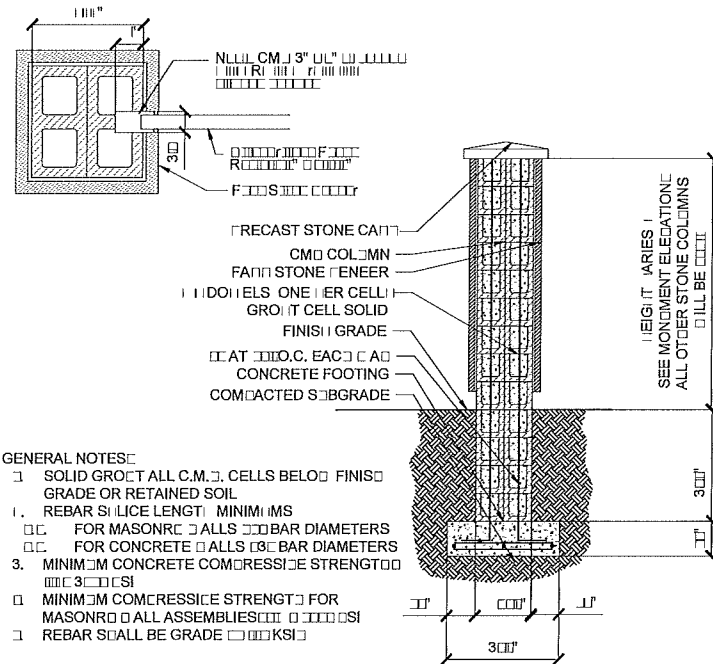


MONUMENT SIGN
SCALE: 1/8" = 1'-0"



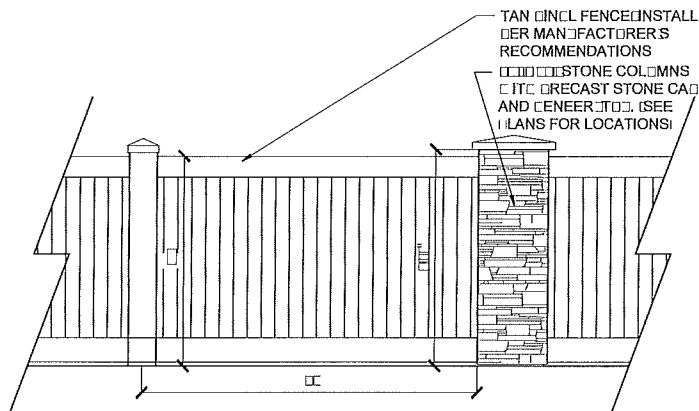
- GENERAL NOTES:
- SOLID GROUT ALL C.M.C. CELLS BELOW FINISH GRADE OR RETAINED SOIL
 - REBAR SPACING LENGTH MINIMUMS:
 - FOR MASONRY: ALL 3" BAR DIAMETERS
 - FOR CONCRETE: ALL 3" BAR DIAMETERS
 - MINIMUM CONCRETE COMPRESSIVE STRENGTH: 3000 PSI
 - MINIMUM COMPRESSIVE STRENGTH FOR MASONRY: ALL ASSEMBLIES: 1500 PSI
 - REBAR SHALL BE GRADE 60 KSI

MONUMENT SIGN CROSS SECTION DETAIL
SCALE: 1/8" = 1'-0"

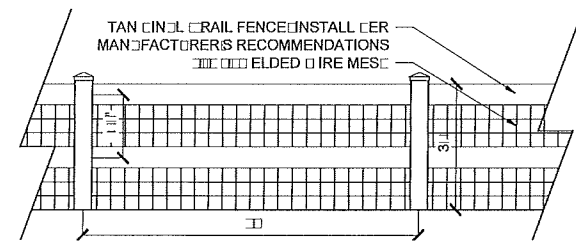


- GENERAL NOTES:
- SOLID GROUT ALL C.M.C. CELLS BELOW FINISH GRADE OR RETAINED SOIL
 - REBAR SPACING LENGTH MINIMUMS:
 - FOR MASONRY: ALL 3" BAR DIAMETERS
 - FOR CONCRETE: ALL 3" BAR DIAMETERS
 - MINIMUM CONCRETE COMPRESSIVE STRENGTH: 3000 PSI
 - MINIMUM COMPRESSIVE STRENGTH FOR MASONRY: ALL ASSEMBLIES: 1500 PSI
 - REBAR SHALL BE GRADE 60 KSI

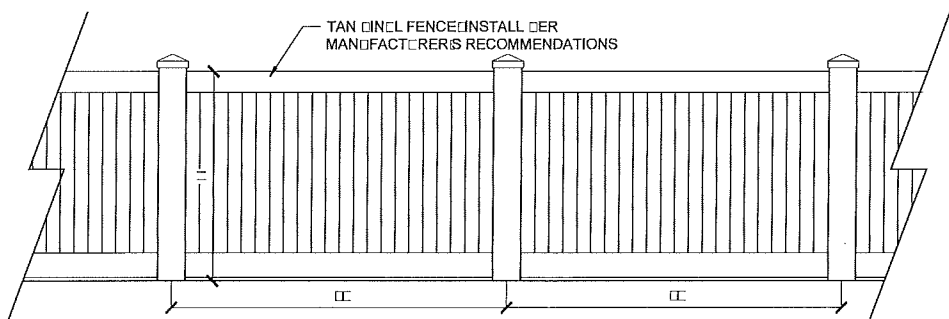
MONUMENT SIGN COLUMN AND STONE COLUMN CROSS SECTION
SCALE: 1/8" = 1'-0"



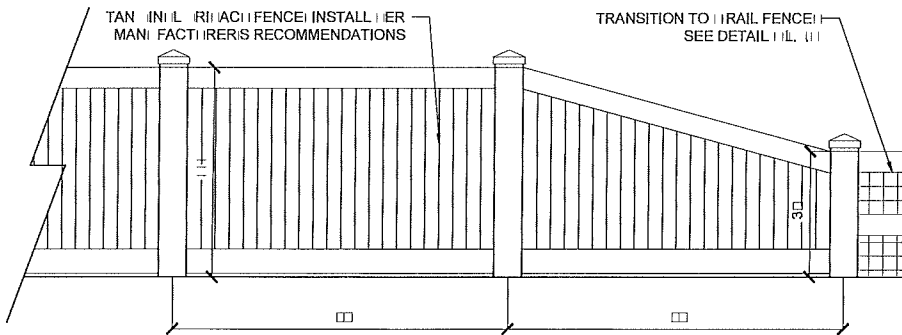
BRICK FENCE WITH STONE COLUMN
SCALE: 1/8" = 1'-0"



RAIL FENCE
SCALE: 1/8" = 1'-0"



BRICK FENCE
SCALE: 1/8" = 1'-0"



BRICK FENCE TRANSITION
SCALE: 1/8" = 1'-0"

BEFORE YOU DIG
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE
YOU DIG, GRADE OR EXCAVATE FOR THE WARNING
OF UNDERGROUND MEMBER UTILITIES

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CONSILIUM DESIGN
LANDSCAPE ARCHITECTS
3555 S. ATTON WAY, STE. A155
CENTENNIAL, CO. 80112
P.O. BOX 224, 9520

FINAL DEVELOPMENT PLAN
SADDLEBACK RAILING
PLANNED UNIT DEVELOPMENT

TOWN OF FIRESTONE COUNTY OF ELDER STATE OF COLORADO

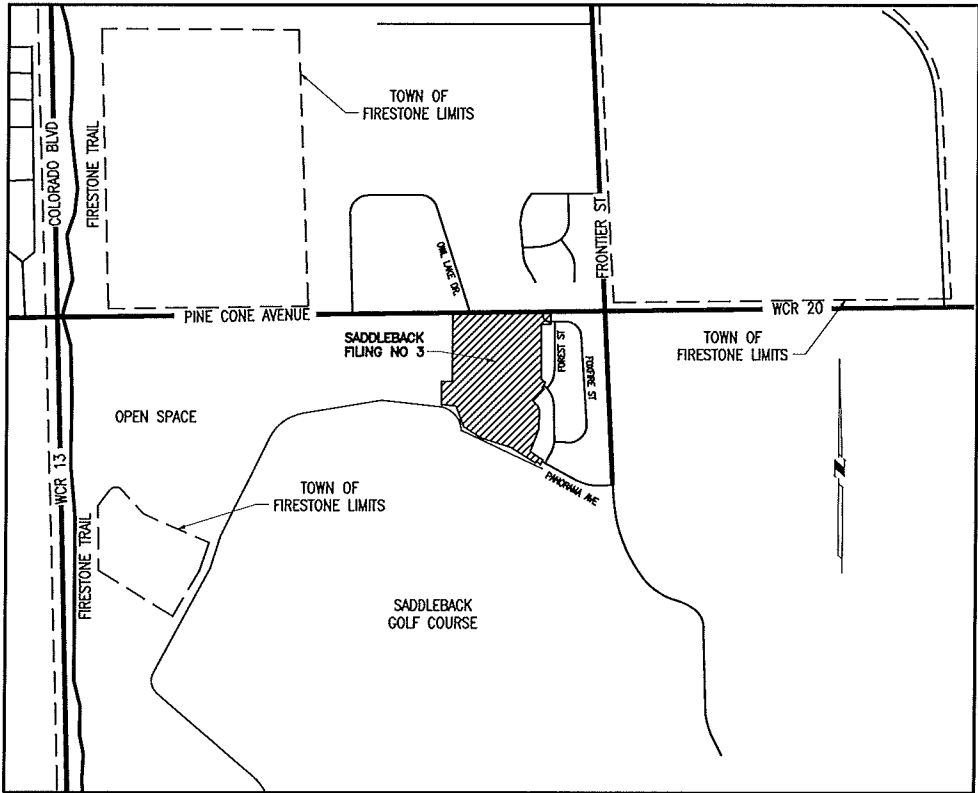
FIRESTONE INFORMATION BLOCK		DETAILS	
SHEET TITLE	NAME OF SUBMITTAL	SADDLEBACK	PD
TITLE OF SUBMITTAL	FILING NUMBER	3	N/A
PREPARATION DATE	REVISION DATE	REVISION DATE	REVISION DATE
REVISION DATE	REVISION DATE	REVISION DATE	REVISION DATE
REVISION DATE	REVISION DATE	REVISION DATE	REVISION DATE

SADDLEBACK FILING NO. 3
FINAL PLAT

A RESUBDIVISION OF TRACTS A AND B, SADDLEBACK FILING NO. 2
LOCATED IN THE NORTHEAST QUARTER OF SECTION 19, TOWNSHIP 2 NORTH, RANGE 67
WEST OF THE 6TH P.M., TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO

SHEET 1 OF 4

COVER SHEET



VICINITY MAP

(NOT TO SCALE)

OWNERSHIP AND DEDICATION

KNOW ALL MEN BY THESE PRESENTS, THAT THE UNDERSIGNED, STERLING CORPORATION, A COLORADO CORPORATION, BEING THE OWNER OF THE LAND SHOWN IN THIS FINAL PLAT AND DESCRIBED AS FOLLOWS:

ALL OF TRACTS A AND B, SADDLEBACK FILING NO. 2, AS RECORDED FEBRUARY 18, 2016 AT RECEPTION NO. 4181833 AT THE OFFICE OF THE WELD COUNTY CLERK AND RECORDER, LOCATED IN THE NORTHEAST QUARTER OF SECTION 19, TOWNSHIP 2 NORTH, RANGE 67 WEST OF THE SIXTH PRINCIPAL MERIDIAN, TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO.

CONTAINING 957,078 SQ. FT. OR 21.971 ACRES MORE OR LESS.

HAVE LAID OUT, SUBDIVIDED AND PLATTED SAID LAND AS PER DRAWING HEREON CONTAINED UNDER THE NAME AND STYLE OF SADDLEBACK FILING NO. 3, A SUBDIVISION OF A PART OF THE TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO, AND BY THESE PRESENTS DO HEREBY DEDICATE TO THE TOWN OF FIRESTONE TRACT D, TRACT H, THE STREETS, AVENUES, AND OTHER PUBLIC PLACES, AS SHOWN ON THE ACCOMPANYING PLAT FOR THE PUBLIC USE THEREOF FOREVER AND DOES FURTHER DEDICATE TO THE USE OF THE TOWN OF FIRESTONE AND ALL SERVING UTILITIES (AND OTHER APPROPRIATE ENTITIES) THOSE PORTIONS OF SAID REAL PROPERTY WHICH ARE SO DESIGNATED AS EASEMENTS AS SHOWN.

IT IS EXPRESSLY UNDERSTOOD AND AGREED BY THE UNDERSIGNED THAT ALL EXPENSES AND COSTS INVOLVED IN CONSTRUCTING AND INSTALLING SANITARY SEWER SYSTEM WORKS AND LINES, WATER SYSTEM WORKS AND LINES, GAS SERVICE LINES, ELECTRICAL SERVICE WORKS AND LINES, LANDSCAPING, CURBS, GUTTERS, STREET PAVEMENT, SIDEWALKS, AND OTHER SUCH UTILITIES AND SERVICES SHALL BE GUARANTEED AND PAID FOR BY THE SUBDIVIDER OR ARRANGEMENTS MADE BY THE SUBDIVIDER THEREOF WHICH ARE APPROVED BY THE TOWN OF FIRESTONE, COLORADO, AND SUCH SUMS SHALL NOT BE PAID BY THE TOWN OF FIRESTONE, AND THAT ANY ITEM SO CONSTRUCTED OR INSTALLED WHEN ACCEPTED BY THE TOWN OF FIRESTONE SHALL BECOME THE SOLE PROPERTY OF SAID TOWN OF FIRESTONE, COLORADO, EXCEPT PRIVATE ROADWAY CURBS, GUTTER AND PAVEMENT AND ITEMS OWNED BY MUNICIPALITY FRANCHISED UTILITIES, OTHER SERVING PUBLIC ENTITIES AND/OR CENTURY LINK, INC., WHICH WHEN CONSTRUCTED OR INSTALLED SHALL REMAIN AND/OR BECOME THE PROPERTY OF SUCH MUNICIPALITY FRANCHISED UTILITIES, OTHER SERVING PUBLIC ENTITIES, AND/OR CENTURY LINK AND SHALL NOT BECOME THE PROPERTY OF THE TOWN OF FIRESTONE, COLORADO.

OWNER: STERLING CORPORATION, A COLORADO CORPORATION

BY: _____
MARCUS PALKOWITSH, PRESIDENT

NOTARY CERTIFICATE

STATE OF COLORADO)

COUNTY OF ARAPAHOE)

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS _____ DAY OF _____, 2018.

BY MARCUS PALKOWITSH AS PRESIDENT OF STERLING CORPORATION, A COLORADO CORPORATION.

WITNESS MY HAND AND OFFICIAL SEAL

MY COMMISSION EXPIRES: _____

NOTARY PUBLIC

(SEAL)

BASIS OF BEARINGS

THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 19, TOWNSHIP 2 NORTH, RANGE 67 WEST OF THE 6TH P.M., BEARS S89°58'18"E (ASSUMED), AS SHOWN ON THE FINAL PLAT OF THE SADDLEBACK FILING NO. 2, RECORDED UNDER RECEPTION NUMBER 4181833 AT THE WELD COUNTY CLERK AND RECORDER'S OFFICE. BOTH ENDS OF SAID LINE ARE MONUMENTED AS SHOWN ON SHEET 2 OF THIS PLAT.

PROJECT BENCHMARK

TOWN OF FIRESTONE BENCHMARK POINT #10 BEING A CHISELED CUT IN THE SOUTHWEST END OF THE NORTHEAST WING WALL OF A TRAIL BRIDGE, ABOUT 1250' SOUTH OF COUNTY ROAD #20 ON THE EAST SIDE OF COLORADO BOULEVARD.

ELEVATION = 4921.93
DATUM = NGVD29

GENERAL NOTES:

- THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY EMK CONSULTANTS, INC.. TITLE COMMITMENT FILE NO. 38200-17-01866, PREPARED BY NORTH AMERICAN TITLE COMPANY OF COLORADO, EFFECTIVE DATE JANUARY 13, 2017 AT 7:30 A.M. WAS USED FOR ALL INFORMATION REGARDING TITLE, EASEMENTS, RIGHTS-OF-WAY AND ENCUMBRANCES OF RECORD AFFECTING THIS PROPERTY.
- SUBJECT PROPERTY LIES IN "ZONE X", (AREAS OF MINIMAL FLOODING) AS DESIGNATED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY AS PER FLOOD INSURANCE MAP PANEL NO. 08123C1895E, DATED JANUARY 20, 2016.
- ALLOWED USES IN UTILITY EASEMENTS INCLUDE THE INSTALLATION & MAINTENANCE OF ELECTRIC, PHONE, FIBER OPTIC, CABLE TV, WATER, SEWER, GAS, POSTAL FACILITIES, HIGH VOLTAGE TRANSMISSION, DRAINAGE AND STORM DRAINS. SERVICE PROVIDERS FOR THE LINES WITHIN THESE EASEMENTS WILL INCLUDE, BUT ARE NOT LIMITED TO CENTURY LINK FOR TELEPHONE, COMCAST FOR CABLE, UNITED POWER FOR ELECTRIC AND BLACK HILLS ENERGY FOR GAS.
- SANITARY SEWER EASEMENTS SHOWN HEREON ARE DEDICATED TO THE ST. VRAIN SANITATION DISTRICT FOR INSTALLATION AND MAINTENANCE OF SANITARY SEWER FACILITIES.
- A PORTION OF THE EXISTING 10' IRRIGATION PIPELINE EASEMENT RECORDED IN BOOK 1502, PAGE 484 (AS SHOWN) IS TO BE VACATED BY SEPARATE DOCUMENT.
- ALL BLOCK CORNER RADII ARE 20' UNLESS OTHERWISE NOTED.
- THE LINEAL UNIT OF MEASUREMENT FOR THIS PLAT IS U.S. SURVEY FOOT.
- A BLANKET DRAINAGE EASEMENT IS DEDICATED FOR TRACTS A, B, C, D, F, G AND J.
- AN EXCLUSIVE BLANKET WATER LINE EASEMENT IS DEDICATED FOR TRACT G.

OWNER/DEVELOPER

Sterling Corporation
720 South Colorado Blvd.
Suite 940-North Tower
Denver, CO 80246
(303) 399-9804
Chad Rodriguez
chad@msscpcmpnles.com

ENGINEER/SURVEYOR:

EMK Consultants, Inc.
7006 S. Alton Way, Bldg. F
Centennial, CO 80112
(303) 694-1520
Stephen Harding
sharding@emkc.com

TOWN OF FIRESTONE APPROVAL

THIS IS TO CERTIFY THAT THE FINAL PLAT OF SADDLEBACK FILING NO. 3, WAS APPROVED ON THIS _____ DAY OF _____, 2018, BY RESOLUTION NO. _____ AND THAT THE MAYOR OF THE TOWN OF FIRESTONE ON BEHALF OF THE TOWN OF FIRESTONE, HEREBY ACKNOWLEDGES SAID PLAT UPON WHICH THIS CERTIFICATE IS ENDORSED FOR ALL PURPOSES INDICATED THEREON.

MAYOR

ATTEST: TOWN CLERK

SURVEYOR'S CERTIFICATE

I, STEPHEN H. HARDING, PLS #28040, A DULY REGISTERED LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THIS FINAL PLAT OF SADDLEBACK FILING NO. 3 WAS PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT THIS FINAL PLAT HAS BEEN PREPARED IN COMPLIANCE WITH ALL APPLICABLE LAWS OF THE STATE OF COLORADO AT THE TIME OF THIS SURVEY AND WITHIN MY CONTROL AND IS ACCURATE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

STEPHEN H. HARDING, PLS _____ DATE
FOR AND ON BEHALF OF
EMK CONSULTANTS, INC.

LAND USE TABLE

TRACT	OWNERSHIP	MAINTENANCE	PURPOSE/USE	AREA (ACRES)	% OF TOTAL
A	HOA	HOA	DRAINAGE, UTILITIES, LANDSCAPE, PUBLIC ACCESS	0.088	0.40%
B	HOA	HOA	DRAINAGE, UTILITIES, LANDSCAPE, PUBLIC ACCESS	0.481	2.19%
C	HOA	HOA	DRAINAGE, UTILITIES, LANDSCAPE, PUBLIC ACCESS	1.076	4.90%
D	TOWN	HOA	DRAINAGE, PUBLIC TRAIL, PUBLIC ACCESS	0.864	3.93%
E	DEVELOPER	HOA	DRAINAGE, UTILITIES, LANDSCAPE, PUBLIC ACCESS	0.373	1.70%
F	HOA	HOA	DRAINAGE, UTILITIES, LANDSCAPE, PUBLIC ACCESS	0.903	4.11%
G	HOA	HOA	DRAINAGE, LANDSCAPE, PUBLIC ACCESS, TOWN OF FIRESTONE WATER	0.058	0.26%
H	TOWN	TOWN	RIGHT-OF-WAY	0.411	1.87%
J	HOA	HOA	DRAINAGE, UTILITIES, LANDSCAPE, PUBLIC ACCESS	0.089	0.41%
TOTAL TRACTS				4.344	19.77%
STREET RIGHTS-OF-WAY				ROADWAYS	4.295 19.55%
SINGLE FAMILY DETACHED LOTS:				80 LOTS	13.332 60.68%
GRAND TOTAL				21.971	100.0%

SHEET INDEX

- 1 COVER SHEET
2-3 OVERALL BOUNDARY & LAYOUT PLAT
4 SIGHT DISTANCE EASEMENT DETAILS

SADDLEBACK FILING NO. 3

FIRESTONE INFORMATION BLOCK

NAME OF SUBMITTAL:	SADDLEBACK
TYPE OF SUBMITTAL:	FINAL PLAT
FILING NUMBER:	3
PHASE NUMBER:	--
SHEET TITLE:	SADDLEBACK FILING NO. 3
PREPARATION DATE:	JANUARY 26, 2017
REVISION DATE:	JULY 26, 2017
REVISION DATE:	JANUARY 19, 2018
REVISION DATE:	MAY 1, 2018
REVISION DATE:	
REVISION DATE:	

SHEET 1 OF 4

SADDLEBACK FILING NO. 3

DATE PREPARED: JANUARY, 2017

APPLICANT/DEVELOPER
STERLING CORPORATION

720 South Colorado Blvd.
Suite 940-North Tower
Denver, CO 80246
(303) 399-9804



PREPARED BY

EMK CONSULTANTS, INC.
LAND DEVELOPMENT
ENGINEERING & SURVEYING
7006 SOUTH ALTON WAY, BLDG. F
CENTENNIAL, COLORADO 80112-2019
(303) 694-1520 www.EMKC.com
JOB NO. 12982.00

SHEET 1 OF 4

SADDLEBACK FILING NO. 3
FINAL PLAT

A RESUBDIVISION OF TRACTS A AND B, SADDLEBACK FILING NO. 2
LOCATED IN THE NORTHEAST QUARTER OF SECTION 19, TOWNSHIP 2 NORTH, RANGE 67
WEST OF THE 6TH P.M., TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO

SHEET 2 OF 4

PLAT SHEET

OWL LAKE ESTATES 2ND SUBDIVISION
TO THE TOWN OF FIRESTONE
REC. NO. 2829145

OWL LAKE ESTATES 2ND SUBDIVISION
TO THE TOWN OF FIRESTONE
REC. NO. 2829145

LAWSON SUBDIVISION
REC. NO. 2741564

SADDLEBACK HEIGHTS
REC. NO. 3341949

LOT 10

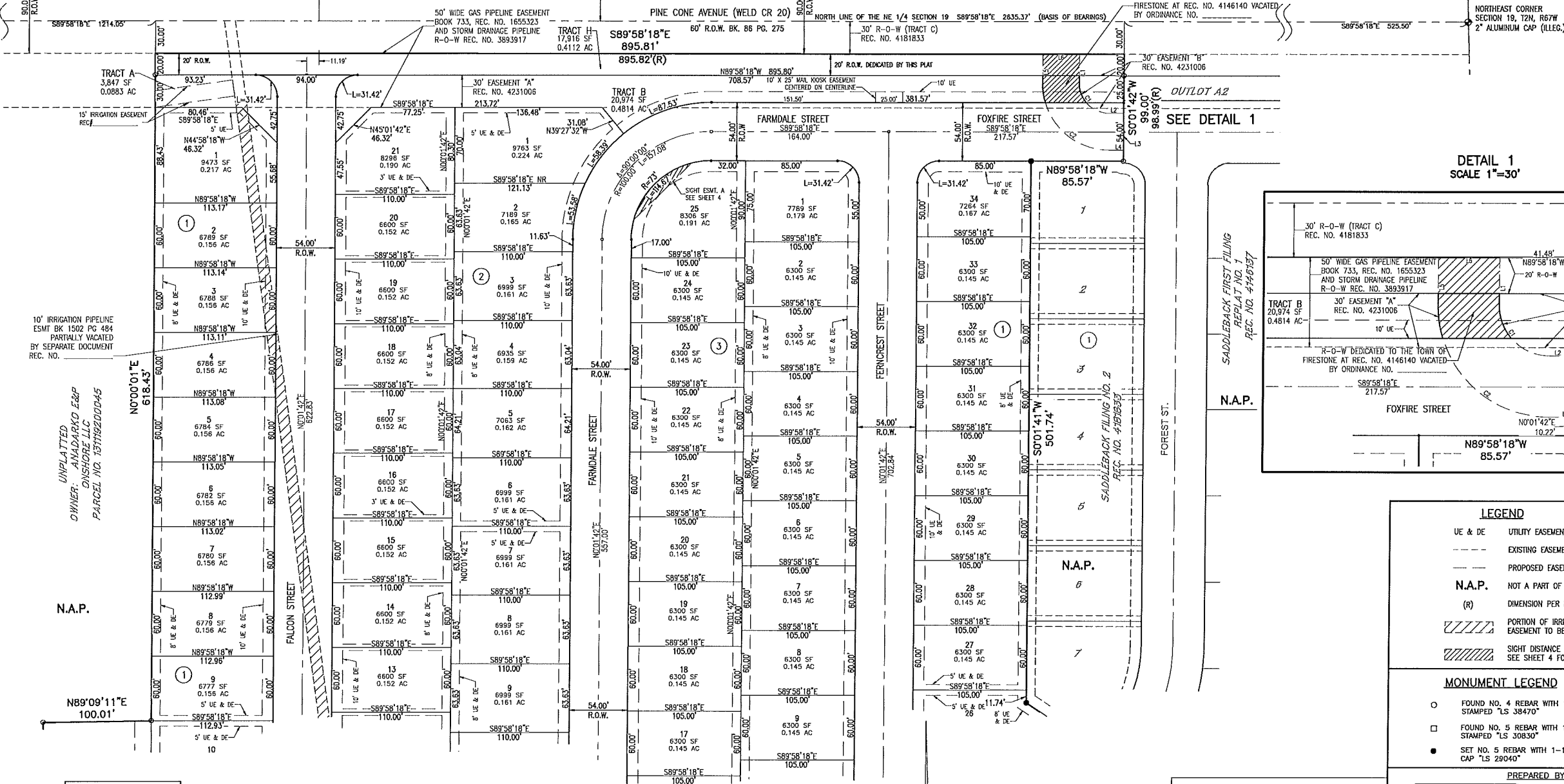
LOT 1

LOT 1

OUTLOT E

NORTH 1/4 CORNER
SECTION 19, T2N, R67W
2" ALUMINUM CAP (ILLEG.)

NORTHEAST CORNER
SECTION 19, T2N, R67W
2" ALUMINUM CAP (ILLEG.)



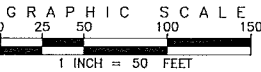
UNPLATTED
OWNER: ANADARKO E&P
DISHORE LLC
PARCEL NO. 13119200045

N.A.P.

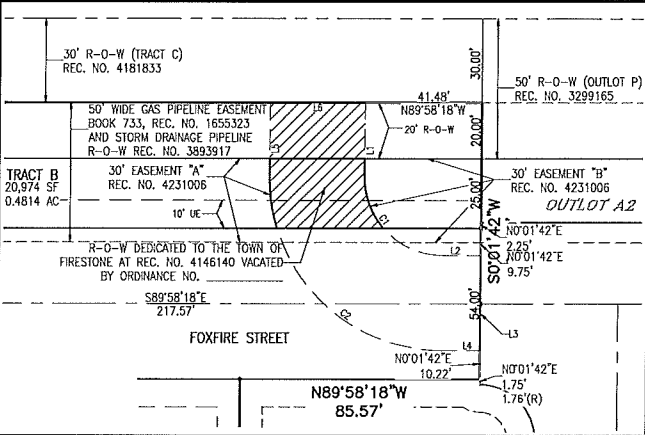
LINE TABLE		
LINE #	DIRECTION	LENGTH
L1	N0°01'25"E	26.75'
L2	S89°57'50"E	13.47'
L3	N0°02'10"E	34.03'
L4	S89°51'00"E	13.47'
L5	S0°01'25"W	26.76'
L6	N89°58'18"W	34.00'

CURVE TABLE					
CURVE #	RADIUS	DELTA	LENGTH	CHORD DIRECTION	LENGTH
C1	28.00'	90°00'21"	43.99'	S44°58'26"E	39.60'
C2	62.00'	89°59'54"	97.39'	S44°58'26"E	87.68'

FOR CONTINUATION SEE SHEET 3



DETAIL 1
SCALE 1"=30'



- LEGEND**
- UE & DE UTILITY EASEMENT & DRAINAGE EASEMENT
 - EXISTING EASEMENT
 - - - PROPOSED EASEMENT
 - N.A.P. NOT A PART OF THIS SUBDIVISION
 - (R) DIMENSION PER RECORDED DOCUMENT
 - /// PORTION OF IRRIGATION PIPELINE EASEMENT TO BE VACATED.
 - /// SIGHT DISTANCE EASEMENTS. SEE SHEET 4 FOR DETAILS.

- MONUMENT LEGEND**
- FOUND NO. 4 REBAR WITH 1" BLUE CAP STAMPED "LS 38470"
 - FOUND NO. 5 REBAR WITH 1 1/4" YELLOW CAP STAMPED "LS 30830"
 - SET NO. 5 REBAR WITH 1-1/2" ALUMINUM CAP "LS 28040"

SADDLEBACK FILING NO. 3	
FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	SADDLEBACK
TYPE OF SUBMITTAL:	FINAL PLAT
FILING NUMBER:	3
PHASE NUMBER:	-
SHEET TITLE:	SADDLEBACK FILING NO. 3
PREPARATION DATE:	JANUARY 26, 2017
REVISION DATE:	JULY 26, 2017
REVISION DATE:	JANUARY 19, 2018
REVISION DATE:	MAY 1, 2018
REVISION DATE:	-

PREPARED BY

EMK EMK CONSULTANTS, INC.
LAND DEVELOPMENT
ENGINEERING & SURVEYING
7008 SOUTH ALTON WAY, BLDG. F
CENTENNIAL, COLORADO 80112-2019
(303) 984-1520 www.EMKco.com

JOB NO. 12982.00

SADDLEBACK FILING NO. 3
DATE PREPARED: JANUARY, 2017

APPLICANT/DEVELOPER
STERLING CORPORATION
720 South Colorado Blvd.
Suite 940-North Tower
Denver, CO 80246
(303) 399-9804

SHEET 2 OF 4

A RESUBDIVISION OF TRACTS A AND B, SADDLEBACK FILING NO. 2
LOCATED IN THE NORTHEAST QUARTER OF SECTION 19, TOWNSHIP 2 NORTH, RANGE 67
WEST OF THE 6TH P.M., TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO

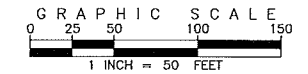
PLAT SHEET

FOR CONTINUATION SEE SHEET 2

UNPLATTED
OWNER: ANADARKO E&P
ONSHORE LLC
PARCEL NO. 131119200045

1. EXISTING PLUGGED AND ABANDONED OIL & GAS WELL API # 05-123-08514.
WELL CAP ELEVATION = 4954.571
FINISHED GROUND ELEVATION = 4964.41

— HOUSE FACING DIRECTION



DETAIL 2
SCALE 1"=30'

GOLF COURSE
SADDLEBACK GOLF CLUB, LLC
PARCEL NO. 131119000005

UE & DE	UTILITY EASEMENT & DRAINAGE EASEMENT
EXIST	EXISTING EASEMENT
PROPOSED	PROPOSED EASEMENT

N.A.P. NOT A PART OF THIS SUBDIVISION
(R) DIMENSION PER RECORDED DOCUMENT

 PORTION OF IRRIGATION PIPELINE
EASEMENT TO BE VACATED.

 SIGHT DISTANCE EASEMENTS.
SEE SHEET 4 FOR DETAILS.

- ☐ FOUND NO. 4 REBAR WITH 1" BLUE CAP
STAMPED "LS 38470"
- ☐ FOUND NO. 5 REBAR WITH 1 1/4" YELLOW CAP
STAMPED "LS 30830"
- ☒ SET NO. 5 REBAR WITH 1-1/2" ALUMINUM
CAP "LS 29040"



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(303)694-1520 www.EMKC.com

SADDLEBACK FILING NO. 3
DATE PREPARED: JANUARY, 2017

APPLICANT/DEVELOPER
STERLING CORPORATION
720 South Colorado Blvd.
Suite 940-North Tower
Denver, CO 80246
(303) 399-9804

SHEET 3 OF 4

FIRESTONE INFORMATION BLOCK

NAME OF SUBMITTAL:	SADDLEBACK
TYPE OF SUBMITTAL:	FINAL PLAT
FILING NUMBER:	3
PHASE NUMBER:	--
SHEET TITLE:	SADDLEBACK FILING NO. 3
PREPARATION DATE:	JANUARY 26, 2017
REVISION DATE:	JULY 26, 2017
REVISION DATE:	JANUARY 19, 2018
REVISION DATE:	MAY 1, 2018
REVISION DATE:	
REVISION DATE:	

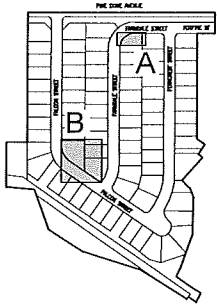
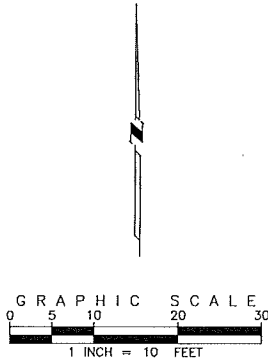
SHEET 3 OF 4

SADDLEBACK FILING NO. 3
FINAL PLAT

A RESUBDIVISION OF TRACTS A AND B, SADDLEBACK FILING NO. 2
LOCATED IN THE NORTHEAST QUARTER OF SECTION 19, TOWNSHIP 2 NORTH, RANGE 67
WEST OF THE 6TH P.M., TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO

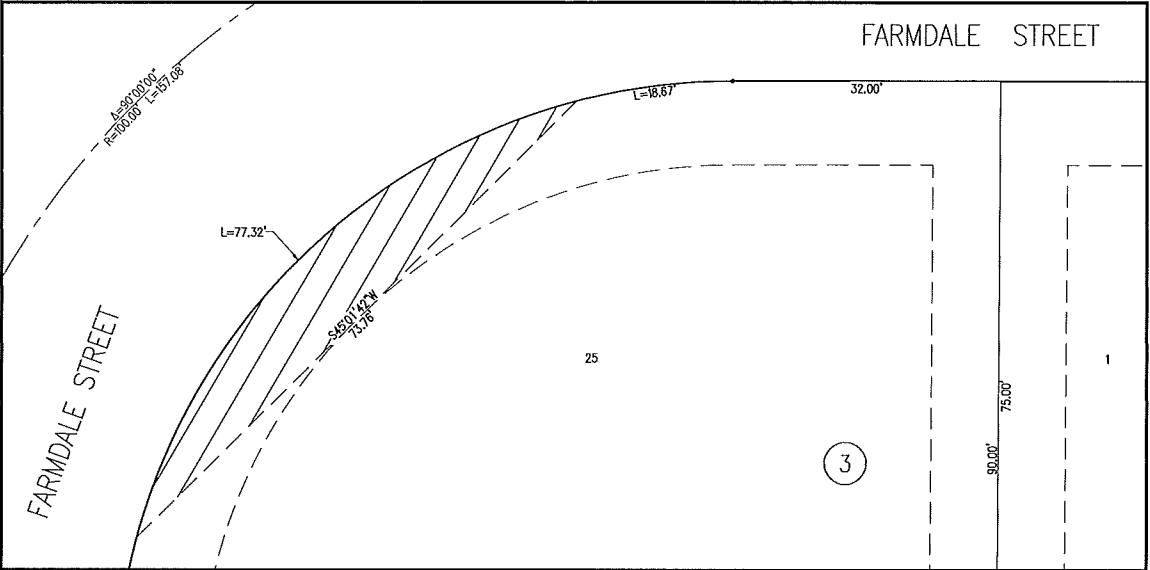
SHEET 4 OF 4

SIGHT DISTANCE EASEMENT
DETAILS



KEY MAP

FARMDALE STREET



DETAIL A
SCALE 1"=10'

LEGEND

- UE & DE UTILITY EASEMENT & DRAINAGE EASEMENT
- EXISTING EASEMENT
- - - PROPOSED EASEMENT
- N.A.P. NOT A PART OF THIS SUBDIVISION
- (R) DIMENSION PER RECORDED DOCUMENT
- /// SIGHT DISTANCE EASEMENTS

MONUMENT LEGEND

- FOUND NO. 4 REBAR WITH 1" BLUE CAP
STAMPED "LS 38470"
- FOUND NO. 5 REBAR WITH 1 1/4" YELLOW CAP
STAMPED "LS 30830"
- SET NO. 5 REBAR WITH 1-1/2" ALUMINUM
CAP "LS 29040"

PREPARED BY



EMK CONSULTANTS, INC.
LAND DEVELOPMENT
ENGINEERING & SURVEYING
7008 SOUTH ALTON WAY, BLDG. F
CENTENNIAL, COLORADO 80112-2019
(303) 694-1520 www.EMKC.com
JOB NO. 12982.00

SADDLEBACK FILING NO. 3
DATE PREPARED: JANUARY, 2017

APPLICANT/DEVELOPER
STERLING CORPORATION
720 South Colorado Blvd.
Suite 940-North Tower
Denver, CO 80246
(303) 399-9804

SHEET 4 OF 4

SADDLEBACK FILING NO. 3

FIRESTONE INFORMATION BLOCK

NAME OF SUBMITTAL:	SADDLEBACK
TYPE OF SUBMITTAL:	FINAL PLAT
FILING NUMBER:	3
PHASE NUMBER:	-
SHEET TITLE:	SADDLEBACK FILING NO. 3
PREPARATION DATE:	JANUARY 26, 2017
REVISION DATE:	JULY 26, 2017
REVISION DATE:	JANUARY 19, 2018
REVISION DATE:	MAY 1, 2018
REVISION DATE:	
REVISION DATE:	

SHEET 4 OF 4



Staff Report

Cottonwood Hollow Filing No. 1 Final Development Plan and Final Plat

**Prepared by the
Town of Firestone for the
Board of Trustees**

August 22, 2018

Applications

This staff report is for the Cottonwood Hollow Filing No. 1 Final Development Plan ("FDP") and the Cottonwood Hollow Filing No. 1 Final Plat ("FP"). The applicant for the FDP and Final Plat is Mortgage Consultants, LLC.

Notice

Pursuant to the Town Code and Development Regulations, proper notification of the public hearings was published. Proof of notification to owners of interest and surrounding property owners and a property posting log will be provided by the applicants prior to the hearings.

Location and Process

The FDP and FP ("Filing 1") encompass the same area and is the first filing of the approved Cottonwood Hollow Outline Development Plan. The approximate location of Filing 1 is located south of Sable Avenue, between Birch Street and the E. I-25 Frontage Road. The FDP and Final Plat are the final steps in the Firestone Development Review process prior to the building permit process.

Site Analysis, Circulation and Parking

Filing 1 is a planned unit development zoned as residential (R-A/R-B PUD) at the southwest corner of the site, open space (OS-PUD) at the eastern border, and, residential/employment center (R-C/EC PUD) at the northwest quadrant of the site. It is approximately 89.12 acres in size. The area is adequate for the proposed land uses. Filing 1 proposes the development of a portion of the residential (R-B PUD) zone of the overall Filing 1 to consist of 14.58 acres, and the development of Arbor Street. Access to the development will be from Sable Avenue, south on Arbor Street which intersects with internal collector streets. A temporary cul-de-sac at the south end of Arbor Street will provide two access points to the development. The cul-de-sac will be removed and Arbor Street extended south with future development. Parking is consistent with other similar developments in Firestone. Pedestrian access is available via detached sidewalks along all interior residential streets.

Plan Analysis

Filing 1 proposes 86 single family residential lots. The project will be consistent with future developments and will complement the overall PUD. Furthermore, the development will comply with applicable landscape, lighting, architecture, and signage requirements.

Building Height

The maximum building height for the proposed residential buildings is 35 feet which is in accordance with the ODP and Firestone development standards.

Fiscal Impacts

Filing 1 will provide more residences for the community of Firestone and promote the livability of the Town of Firestone within an area zoned for residential, open space, and employment center. The proximity of the site to I-25 is ideal for homeowners and visitors alike to shop and commute in the Town of Firestone. The increase of residential options in this area will lead to increased property tax revenues for the Town.

Utility and Services

Public infrastructure and utilities are generally available or will be extended to the site by the developer at the time of the development.

Planning and Zoning Commission and Board of Trustees Conditions and Standards for Approval

For your general reference, attached are the conditions and standards of approval for a PUD district that are stated in the Firestone Development Regulations.

Conditions and Standards for Approval

The Planning Commission and the Town Board of Trustees may approve a PUD application if it meets the intent of these Regulations and complies with the Town Code and other controlling regulations and documents, including the development standards specified herein. The Planning Commission and Town Board shall consider the following in making their decision for approval, approval with conditions, or denial of a PUD:

- A. The proposed PUD district is compatible with present development in the surrounding area, and will not have a significant, adverse effect on the surrounding area;
- B. The proposed PUD district is consistent with the public health, safety and welfare, as well as efficiency and economy in the use of land and its resources;
- C. The proposed PUD district is consistent with the overall direction, intent of Titles 16 and 17 of the Town Code, and the intent and policies of the Town's comprehensive plan and other policy documents of the Town;
- D. The proposed PUD district provides for a creative and innovative design which could not otherwise be achieved through other standard zoning districts;
- E. The exceptions from the zoning regulations requested in the proposed PUD are warranted by virtue of innovative design and amenities incorporated in the PUD district;
- F. The PUD provides adequate circulation in terms of internal street circulation system, designed for the type of traffic generated, for separate living areas, convenience, safety, access, and noise and exhaust control. Proper circulation in parking areas shall be provided in terms of safety, convenience, separation and screening. The PUD should provide for buffering from collector and arterial streets through earthen berms, landscaping, and other methods;
- G. The PUD provides functional open space in terms of practical usability and accessibility, and optimum preservation of natural features, including trees and drainage areas, recreation, views, natural stream courses, bodies of water and wetlands;
- H. To the extent practicable, the PUD provides variety in terms of housing types, housing size, densities, facilities and open space;
- I. The PUD provides for pedestrian and bicycle traffic in terms of safety, separation, convenience, access, destination and attractiveness. If possible, there shall be an internal pedestrian circulation system separate from the vehicular system such that allows access to adjacent parcels, parks, open space, or recreational facilities within the PUD as well as links to trail systems of the Town;
- J. Building types in terms of appropriateness to density, site relationship and bulk;

- K. Building design in terms of orientation, spacing, materials, color, texture, storage, signs and lighting;
- L. Landscaping of the site in terms of purpose, such as screening, types and materials used, maintenance suitability, water demands and effect on the area;
- M. Services including utilities, fire, police protection and other such services are available or can be made available to adequately serve the development;
- N. No structures in the PUD shall encroach on a floodplain except as permitted by the Town's floodplain ordinance;
- O. No occupied structure shall be located on ground showing severe subsidence potential without adequate design and study approved by the Town;
- P. Visual relief and variety of visual sitings shall be located within the PUD through building placement, shortened or interrupted street vistas, visual access to open space and other design methods;
- Q. The fiscal impacts on the Town, relative to expected service provision costs and anticipated revenue to the Town;
- R. Compliance with the provisions of any applicable intergovernmental agreements;
- S. The PUD incorporates a lighting plan and facilities to minimize of light drift outside the PUD in an effort to help preserve the night sky;
- T. To the extent reasonably practicable, the PUD shall strive to incorporate "green" building standards and design guidelines for all residential and commercial development in an effort increase energy efficiency and reduce energy consumption;
- U. To the extent reasonably practicable, the PUD shall strive to incorporate renewable energy technologies;
- V. To the extent reasonably practicable, the PUD shall strive to incorporate best management practices in recycling, water conservation, soils preservation and sustainable development practices;
- W. To the extent reasonably practicable, the PUD shall strive to incorporate Infrastructure design that emphasizes technology that will encourage the development of "knowledge workers" and will facilitate telecommuting.

Planning Commission or Board of Trustees Action

The Planning Commission Board or Board of Trustees has the following options relative to the action on applications in general. As necessary additional information relative to continuances, etc. can be provided by the Town Attorney.

- A. Make a decision and vote on the application, using the draft resolution previously prepared, as may be amended during the hearing; or
- B. Make a decision and vote on the application, but request the Town Attorney to prepare findings of fact and conclusions for approval and adoption at the next regular meeting; or

- C. Defer a decision and direct the Town Attorney to prepare findings of fact and conclusions to be submitted to the Board of Trustees at its next regular meeting, with final deliberation, decision and adoption of the findings of fact and conclusion at that meeting; or
 - D. Defer a decision until a date certain, as is mutually agreed upon by the Applicant and the Board of Trustees, by which time the record and all evidence can be reviewed. At that time the Board of Trustees can either adopt findings of fact and conclusions or direct the Town Attorney to prepare findings of fact and conclusions for adoption at the next regular meeting after the meeting to which the matter has been deferred.
-

RECOMMENDATION

The Planning Commission and Town staff recommends the Board of Trustees approve the application with a certain amount of conditions that will be provided in the form of a draft resolution prior to the Board of Trustees public hearing.

FINAL DEVELOPMENT PLAN
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 1 OF 26

LEGAL DESCRIPTION:

A TRACT OF LAND LOCATED IN THE NORTH ONE-HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF WELD, STATE OF COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS;

COMMENCING AT THE NORTH ONE-QUARTER CORNER OF SAID SECTION 14;
THENCE S00°07'17" E A DISTANCE OF 30.00 FEET ALONG THE WEST LINE OF THE NORTHEAST ONE-QUARTER OF SAID SECTION 14, TO
THE POINT OF BEGINNING ON THE SOUTH RIGHT-OF-WAY LINE OF WELD COUNTY ROAD NO. 22;
THENCE S89°55'22" E ALONG SAID SOUTH R.O.W. A DISTANCE OF 261.89 FEET;
THENCE S00°04'38" W A DISTANCE OF 20.00 FEET;
THENCE S50°34'57" E A DISTANCE OF 113.93 FEET;
THENCE S42°34'20" E A DISTANCE OF 107.53 FEET;
THENCE S01°45'32" W A DISTANCE OF 127.93 FEET;
THENCE S34°12'35" W A DISTANCE OF 86.45 FEET;
THENCE S70°27'39" W A DISTANCE OF 183.51 FEET;
THENCE S34°26'39" W A DISTANCE OF 345.89 FEET TO A POINT ON SAID WEST LINE OF THE NORTHEAST ONE-QUARTER;
THENCE S00°07'17" E, ALONG SAID WEST LINE, A DISTANCE OF 42.50 FEET;
THENCE S77°57'21" E A DISTANCE OF 163.26 FEET;
THENCE S04°09'08" E A DISTANCE OF 187.09 FEET;
THENCE S13°30'00" W A DISTANCE OF 100.66 FEET;
THENCE S26°11'10" W A DISTANCE OF 228.92 FEET;
THENCE S12°48'12" E A DISTANCE OF 504.03 FEET;
THENCE S16°18'30" E A DISTANCE OF 305.08 FEET;
THENCE S78°48'01" E A DISTANCE OF 123.20 FEET;
THENCE S59°38'36" E A DISTANCE OF 73.63 FEET;
THENCE S30°42'25" E A DISTANCE OF 310.05 FEET;
THENCE S05°54'04" E A DISTANCE OF 231.64 FEET TO A POINT ON THE SOUTH LINE OF SAID NORTHEAST ONE-QUARTER;
THENCE S89°55'12" W, ALONG SAID SOUTH LINE, A DISTANCE OF 608.63 FEET TO THE SOUTHWEST CORNER OF SAID NORTHEAST ONE-QUARTER;
THENCE S89°56'54" W, ALONG THE SOUTH LINE OF THE EAST ONE-HALF OF THE NORTHWEST ONE-QUARTER OF SAID SECTION 14, A
DISTANCE OF 1303.91 FEET TO THE SOUTHWEST CORNER OF EAST ONE-HALF;
THENCE N00°15'46" W ALONG THE WEST LINE OF SAID EAST ONE-HALF, A DISTANCE OF 1329.41 FEET TO THE NORTHWEST SIXTEENTH
CORNER OF SAID SECTION 14;
THENCE N00°15'46" W, CONTINUING ALONG SAID WEST LINE OF THE EAST ONE-HALF, A DISTANCE OF 778.36 FEET;
THENCE N81°08'34" E A DISTANCE OF 63.59 FEET;
THENCE N64°18'44" E A DISTANCE OF 492.53 FEET;
THENCE N00°15'47" W A DISTANCE OF 297.70 FEET TO SAID SOUTH RIGHT-OF-WAY LINE OF WELD COUNTY ROAD NO. 22;
THENCE S90°00'00" E ALONG SAID SOUTH RIGHT-OF-WAY LINE, A DISTANCE OF 802.30 FEET TO THE POINT OF BEGINNING,

CONTAINING 3,881,924 SQUARE FEET OR 89.12 ACRES OF LAND, MORE OR LESS

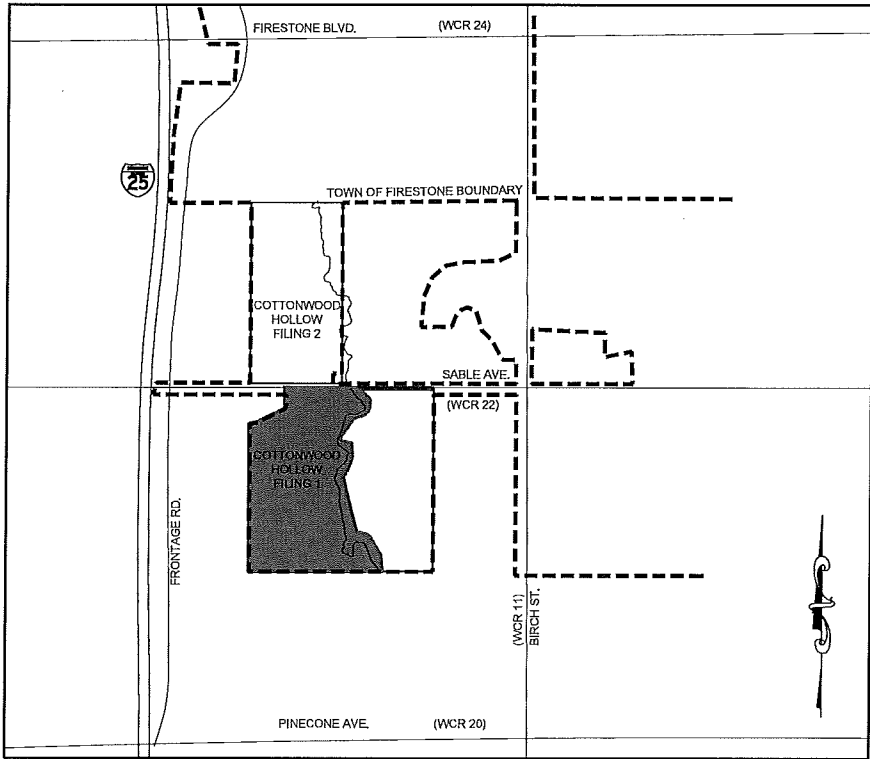
WATER DEDICATION

THE TOWN OF FIRESTONE HAS DETERMINED THE REQUIRED RAW WATER DEDICATION TO BE:

IRRIGATION DEMAND (TRACTS B, C, D & T)
1.19 ACRES @ 2.20 AC-FT = 2.49 AC-FT
TOTAL IRRIGATION DEMAND = 2.49 AC-FT

RESIDENTIAL DEMAND (SINGLE FAMILY)
#OF LOTS 0-10,000 SF = 77 @ 0.60 AC-FT = 46.2 AC-FT
#OF LOTS 10,001-12,500 SF = 8 @ 0.75 AC-FT = 6.0 AC-FT
#OF LOTS 12,501-15,000 SF = 1 @ 0.90 AC-FT = 0.90 AC-FT
TOTAL RESIDENTIAL DEMAND = 53.1 AC-FT

A TOTAL OF 58 ACRE-FEET SHALL BE TRANSFERRED TO THE TOWN PRIOR TO RECORDING THE FINAL DEVELOPMENT PLAN. THIS DEDICATION SHALL BE SATISFIED BY APPLYING 56 OF THE WATER DEDICATION CREDITS (EACH CREDIT BEING 1.0 ACRE-FOOT) PREVIOUSLY PURCHASED IN THE WATER CREDIT PURCHASE AGREEMENT APPROVED BY RESOLUTION NO. NO. 18-08 FOR 131 WATER CREDITS (CREDIT NO. 1 THROUGH 131).



VICINITY MAP
SCALE: 1" = 1,200'

SHEET INDEX	
Sheet Number	Sheet Title
1	COVER SHEET
2	GENERAL NOTES
3	OVERALL SITE PLAN
4	SITE GRADING PLAN 1
5	SITE GRADING PLAN 2
6	SITE GRADING PLAN 3
7	SITE GRADING PLAN 4
8	OVERALL UTILITY PLAN
9	LANDSCAPE PLAN 1
10	LANDSCAPE PLAN 2
11	LANDSCAPE PLAN 3
12	LANDSCAPE PLAN 4
13	IRRIGATION PLAN 1
14	IRRIGATION PLAN 2
15	IRRIGATION PLAN 3
16	IRRIGATION PLAN 4
17	IRRIGATION PLAN 5
18	IRRIGATION DETAILS
19	IRRIGATION AND LIGHTING DETAILS
20	ADDRESS MAP
21	BUILDING ELEVATIONS 1
22	BUILDING ELEVATIONS 2
23	BUILDING ELEVATIONS 3
24	BUILDING ELEVATIONS 4
25	BUILDING ELEVATIONS 5
26	FENCING PLAN

APPROVAL:

APPROVED BY THE TOWN BOARD OF TRUSTEES OF THE TOWN OF FIRESTONE, COLORADO, THIS

_____, DAY OF _____, 20____; BY RESOLUTION No. _____

MAYOR

ATTEST: TOWN CLERK

ACCEPTANCE:

BY SIGNING THIS FDP, THE OWNER ACKNOWLEDGES AND ACCEPTS ALL OF THE REQUIREMENTS AND INTENT SENT FORTH HEREIN.

OWNER

STATE OF COLORADO)
COUNTY OF WELD)

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS _____ DAY OF _____, 20____ BY _____ AS _____ OF _____

MORTGAGE CONSULTANTS, LLC.

WITNESS MY HAND AND OFFICIAL SEAL.

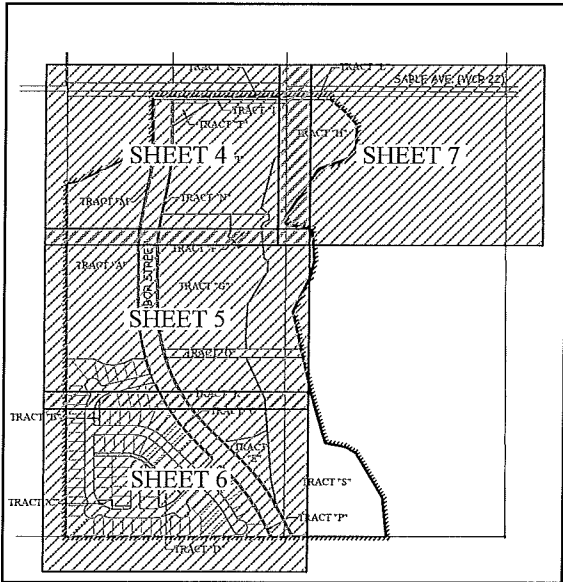
NOTARY PUBLIC

MY COMMISSION EXPIRES

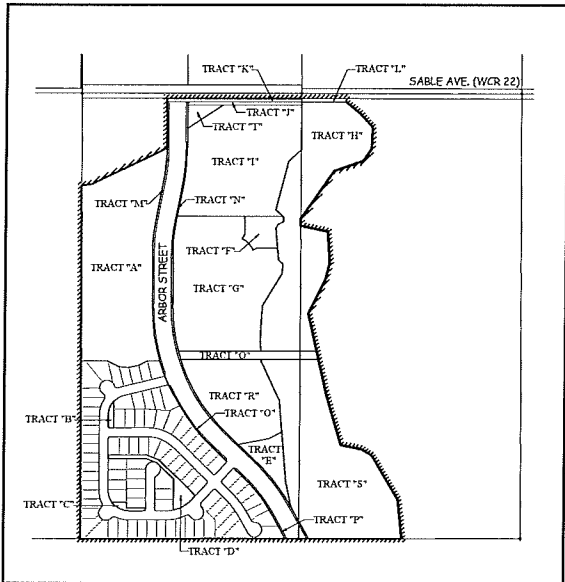
TECHNICAL CONSULTANT & PREPARED BY:
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8604

FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	FILING NO. 1
PHASE NUMBER:	
SHEET TITLE:	COVER SHEET
PREPARATION DATE:	6/28/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/7/2018
REVISION DATE:	
REVISION DATE:	

SHEET 1 OF 26



SITE PLAN INDEX SHEET
NOT TO SCALE



TRACTS KEY MAP
NOT TO SCALE

WATER METER TABLE		
QUANTITY	SIZE	TYPE
86	5/8"	RESIDENTIAL SINGLE FAMILY
1	3/4"	IRRIGATION
2	1"	IRRIGATION

OWNER/ DEVELOPER:
MORTGAGE CONSULTANTS, LLC.
8400 EAST PRENTICE AVENUE, SUITE 1002
GREENWOOD VILLAGE, COLORADO 80111
PHONE: (303) 882-6024
CONTACT: OTTO AICHINGER
EMAIL: OTTO.AICHINGER@CALIBERHOMELANS.COM

SURVEYOR:
RED ROCK LAND SURVEYS, INC.
7865 W. ONTARIO PLACE
LITTLETON, CO 80128
PHONE: (303) 994-6300
CONTACT: JOHN E. KRATZ
EMAIL: JKRAZ@REDROCKLANDSURVEYS.COM

TECHNICAL CONSULTANTS
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, COLORADO 80120
PHONE: (303) 794-8604
CONTACT: WENDELL AYERS
EMAIL: WENDELL@PARAGONENG.COM

PCS GROUP, INC.
200 KALAMATH STREET
DENVER, COLORADO 80223
CONTACT: PAUL SHOUKAS
PHONE: (303) 531-4905
EMAIL: PAUL@PSCGROUPCO.COM

UTILITIES
WATER SERVICE: TOWN OF FIRESTONE
SEWER SERVICE: ST. VRAIN SANITATION DISTRICT
GAS SERVICE: BLACK HILLS ENERGY
ELECTRIC SERVICE: UNITED POWER
PHONE SERVICE: CENTURYLINK
CABLE TV SERVICE: AT&T BROADBAND



FINAL DEVELOPMENT PLAN
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 2 OF 26

PROJECT CONCEPT

THE DESIGN GOAL FOR THE COTTONWOOD HOLLOW FDP FOR FILING 1 IS TO PROVIDE AN ATTRACTIVE LIVING AND WORKING ENVIRONMENT USING INNOVATIVE PLACEMENT AND DESIGN TECHNIQUES THAT RESPOND TO THE SITE'S NATURAL FEATURES. THIS FDP IS INTENDED TO MEET ALL THE GOALS OF THE PLANNED UNIT DEVELOPMENT ZONING DISTRICT AS STATED IN THE FIRESTONE DEVELOPMENT REGULATIONS.

IN ORDER TO ACHIEVE THIS GOAL, THE FOLLOWING WAS ASSESSED:

1. COMPACT DESIGN IN ORDER FOR PEOPLE TO WALK TO THE EMPLOYMENT CENTER AND OPEN SPACE FROM THEIR HOMES.
2. OPPORTUNITIES FOR LOCAL EMPLOYMENT IN BUSINESSES CLOSE TO RESIDENTS' HOMES.
3. A VARIETY OF HOUSING TYPES AND LOT SIZES TO SUIT DIFFERENT HOUSEHOLDS.
4. PROTECTING AND ENHANCING GODDING HOLLOW OPEN SPACE AREA.
5. DEVELOPING A DESIGN THAT PROVIDES FOR BOTH THE DEVELOPERS' AND THE OIL AND GAS COMPANIES' FUTURE NEEDS.

THE FDP WAS DEVELOPED WITH THE ABOVE CONSIDERATIONS IN MIND.

COTTONWOOD HOLLOW FILING 1 FDP WILL FEATURE:

1. A MIXTURE OF SINGLE-FAMILY DETACHED HOMES ON A VARIETY OF LOT SIZES, THIS WILL PROVIDE A VARIETY OF HOUSING OPTIONS.

2. AN INTERCONNECTED STREET SYSTEM THAT IS BICYCLE AND PEDESTRIAN FRIENDLY. ALL ARTERIAL AND COLLECTOR STREETS WILL BE TREE-LINED WITH SIDEWALKS ALONG SIDE THEM. THE BUILDINGS THAT ABUT THE STREETS WILL BE DETAILED TO MAKE WALKING PLEASANT, EFFICIENT AND SAFE.

3. THE REMAINING ACREAGE WILL SERVE AS COMMON OPEN SPACE, WHICH WILL ALLOW OPTIMUM PRESERVATION OF NATURAL FEATURES INCLUDING EXISTING TREES AND DRAINAGE AREAS.

4. IN ADDITION TO THE CONTROLS ESTABLISHED IN THIS FDP, ALL DEVELOPMENT WILL BE CONTROLLED BY ARCHITECTURAL AND LANDSCAPING PRIVATE COVENANTS, CONDITIONS AND RESTRICTIONS TO ENSURE THE PROPERTY HAS AN ATTRACTIVE AND UNIFIED CHARACTER. A LANDSCAPE PLAN IS INCLUDED IN THIS FINAL DEVELOPMENT PLAN APPLICATION. IN ADDITION, THE DEVELOPER, THROUGH PRIVATE COVENANTS, CONDITIONS AND RESTRICTIONS, WILL REQUIRE ALL BUILDING PLANS TO BE APPROVED BY AN ARCHITECTURAL CONTROL COMMITTEE PRIOR TO CONSTRUCTION.

FDP APPLICATION

THIS FDP APPLIES TO ALL OF COTTONWOOD HOLLOW SOUTH OF SABLE AVENUE (TRACTS "A" THROUGH "T", INCLUDING THE RESIDENTIAL LOTS) HOWEVER, ADDITIONAL FINAL DEVELOPMENT PLANS (AND PRELIMINARY DEVELOPMENT PLANS, AS APPROPRIATE) SHALL BE REQUIRED TO BE PROCESSED FOR TRACTS "G", "I", AND "R".

REGIONAL IMPACTS

THE REGIONAL IMPACTS ON BOTH THE COMMUNITY AND THE REGION HAVE BEEN PREVIOUSLY IDENTIFIED, ANALYZED AND DETERMINED TO BE ACCEPTABLE. THE PROPOSED TRAFFIC CIRCULATION PLAN FOR THE FDP CONSIDERS DEVELOPMENT OF ARBOR STREET WHICH IS IDENTIFIED AS A MAJOR ARTERIAL IN FIRESTONE COMPREHENSIVE PLAN MAP.

ENVIRONMENTAL INFORMATION

* A WETLAND ANALYSIS REPORT WAS PERFORMED BY CTL THOMPSON, DATED 01/30/95, TITLED "PHASE I AND PHASE II ENVIRONMENTAL SITE ASSESSMENT, ELDORADO INDUSTRIAL PARK, 240-ACRE SITE, WELD COUNTY, COLORADO."
* A LIMITED PHASE II SUBSURFACE ASSESSMENT FOR COTTONWOOD HOLLOW WAS PERFORMED BY TERRACON, DATED 12/05/93.

UTILITIES

WATER SERVICE: TOWN OF FIRESTONE
SEWER SERVICE: ST. VRAIN SANITATION DISTRICT
GAS: BLACK HILLS ENERGY
ELECTRIC: UNITED POWER
TELEPHONE: CENTURYLINK

CONSISTENT WITH THE SUBDIVISION AGREEMENT FOR THE PROPERTY, FINANCING OF THE TYPICAL INFRASTRUCTURE IMPROVEMENTS REQUIRED BY THIS PROPOSAL WILL BE THE DEVELOPER'S RESPONSIBILITY. RECOVERY OF THE COST OF ANY OVERSIZED IMPROVEMENTS AND IMPROVEMENTS DESIGNED TO BENEFIT ADJACENT DEVELOPMENTS ARE ANTICIPATED TO BE REIMBURSABLE PURSUANT TO THE FIRESTONE MUNICIPAL CODE ("CODE"), POLICIES AND AS MAY BE SPECIFIED IN THE SUBDIVISION AGREEMENT FOR FILING 1.

GRADING CONCEPT

GRADING FOR THE PROPERTY IS INTENDED TO MAXIMIZE DEVELOPMENT OF THE PROPERTY THROUGH THE MITIGATION OF STORM WATER DRAINAGE ISSUES.

SERVICE REQUIREMENTS

POLICE PROTECTION: TOWN OF FIRESTONE
FIRE PROTECTION: FREDERICK FIRESTONE FIRE PROTECTION DISTRICT
STREET MAINTENANCE: TOWN OF FIRESTONE
SCHOOLS: ST. VRAIN VALLEY SCHOOL DISTRICT
RECREATION: CARBON VALLEY RECREATION DISTRICT AND INTERGOVERNMENTAL AGREEMENTS WITH COTTONWOOD HOLLOW COMMERCIAL AND RESIDENTIAL METROPOLITAN DISTRICT

CIRCULATION SYSTEMS

ACCESS TO THE DEVELOPMENT WILL BE FROM INTERNAL COLLECTOR STREETS INTERSECTING WITH ARBOR STREET, WHICH CONNECTS TO SABLE AVENUE. PEDESTRIAN ACCESS WILL BE PROVIDED ADJACENT TO ALL STREETS.

THE LOCATION OF THE TEMPORARY CUL-DE-SAC AT THE SOUTH END OF ARBOR STREET IS NECESSARY TO PROVIDE TWO ACCESS POINTS TO THE RESIDENTIAL DEVELOPMENT OF FILING 1. THE CUL-DE-SAC WILL BE REMOVED AND ARBOR STREET WILL BE EXTENDED SOUTH WITH FUTURE DEVELOPMENT.

EXISTING LAND USE

FILING 1 IS CURRENTLY MANAGED FOR AGRICULTURAL CROPS (FARMING ONLY) AND OIL AND GAS PRODUCTION FACILITY. THIS EXISTING FARMING USE WILL CONTINUE PROPORTIONALLY AND WILL DECREASE AS THE PROPERTY IS DEVELOPED.

SABLE AVENUE

SABLE AVENUE IS PAVED FROM THE WESTERN PROPERTY BOUNDARY TO BIRCH AVENUE WITH A 24' WIDE ASPHALT ROAD. NO ADDITIONAL IMPROVEMENTS TO SABLE ARE PROPOSED.

RESIDENTIAL DENSITY FILING NO. 1	
NUMBER OF LOTS	86 LOTS
GROSS DENSITY	3.94 UNITS/ACRE
NET DENSITY	5.85 UNITS/ACRE
MINIMUM LOT SIZE	6,000 SQUARE FEET
MAXIMUM LOT SIZE	13,967 SQUARE FEET

LAND USE

THE ZONING FOR THE PROPERTY IS PUD WITH EC, R-8 AND R-C LAND USES. THE TABLE A BELOW SPECIFIES THE LAND USE ON THE FINAL DEVELOPMENT PLAN.

TABLE A

TRACT AREA AND OWNERSHIP / MAINTENANCE TABLE					
LOTS/TRACTS	AREA	%	OWNERSHIP	MAINTENANCE	USE
TRACT "A"	11.80 Acres	13.24	OWNER	OWNER	EC/OIL & GAS
TRACT "B"	0.10 Acres	0.11	(CHCRMD)	(CHCRMD)	OS/ EASEMENT
TRACT "C"	0.12 Acres	0.13	(CHCRMD)	(CHCRMD)	OS/ EASEMENT
TRACT "D"	0.58 Acres	0.63	(CHCRMD)	(CHCRMD)	OS/ PARK / DRAINAGE
TRACT "E"	1.09 Acres	1.22	TOWN OF FIRESTONE	(CHCRMD)	OS/ DRAINAGE
TRACT "F"	0.87 Acres	0.98	TOWN OF FIRESTONE	(CHCRMD)	OS/ DRAINAGE
TRACT "G"	10.00 Acres	11.22	OWNER	OWNER	R-B/RESIDENTIAL (FUTURE)
TRACT "H"	10.18 Acres	11.42	(CHCRMD)	(CHCRMD)	OS/ EASEMENT
TRACT "I"	9.34 Acres	10.48	OWNER	OWNER	R-C/RESIDENTIAL (FUTURE)
TRACT "J"	0.31 Acres	0.35	(CHCRMD)	(CHCRMD)	OS/ LANDSCAPE
TRACT "K"	0.37 Acres	0.42	TOWN OF FIRESTONE	TOWN OF FIRESTONE	DEDICATED R.O.W.
TRACT "L"	0.12 Acres	0.13	TOWN OF FIRESTONE	TOWN OF FIRESTONE	DEDICATED R.O.W.
TRACT "M"	0.38 Acres	0.43	(CHCRMD)	(CHCRMD)	OS/ LANDSCAPE
TRACT "N"	0.66 Acres	0.74	(CHCRMD)	(CHCRMD)	OS/ LANDSCAPE
TRACT "O"	0.13 Acres	0.15	(CHCRMD)	(CHCRMD)	OS/ LANDSCAPE
TRACT "P"	0.12 Acres	0.13	(CHCRMD)	(CHCRMD)	OS/ LANDSCAPE
TRACT "Q"	0.95 Acres	1.07	(CHCRMD)	(CHCRMD)	OS/ LANDSCAPE/ EASEMENT
TRACT "R"	4.83 Acres	5.42	OWNER	OWNER	R-B/RESIDENTIAL (FUTURE)
TRACT "S"	11.11 Acres	12.47	(CHCRMD)	(CHCRMD)	OS/ LANDSCAPE
TRACT "T"	0.35 Acres	0.39	(CHCRMD)	(CHCRMD)	MONUMENT SIGN
86 LOTS	14.58 Acres	16.36	OWNERS	OWNERS	R-B/RESIDENTIAL
STREETS/R.O.W.	4.53 Acres	5.08	TOWN OF FIRESTONE	TOWN OF FIRESTONE	PUBLIC R.O.W.
ARBOR ST./R.O.W.	6.62 Acres	7.43	TOWN OF FIRESTONE	TOWN OF FIRESTONE	PUBLIC R.O.W.
TOTALS	89.12 Acres	100.00			

* (CHCRMD) = COTTONWOOD HOLLOW COMMERCIAL AND RESIDENTIAL METROPOLITAN DISTRICT

RESIDENTIAL AREA

THE PLATTED RESIDENTIAL AREA OF FILING 1 CONTAINS 86 SINGLE FAMILY LOTS. LAND USES INCLUDE ALL USES PERMITTED IN FIRESTONE DEVELOPMENT REGULATIONS FOR RESIDENTIAL B EXCEPT THAT ONLY SINGLE-FAMILY RESIDENTIAL USES WILL BE PERMITTED.

SETBACKS

PLACEMENT OF SINGLE-FAMILY DETACHED HOMES:

TABLE B

SETBACK ELEMENT	SETBACK DISTANCE	FROM	TO	EXCEPTION	ENCROACHMENT AMOUNT
FRONT GARAGE	20 FEET	R.O.W.	FOUNDATION	NONE	
REAR YARD	15 FEET	PROPERTY	FOUNDATION	DECKS & PATIOS	5 FEET
SIDE YARD	5 FEET	PROPERTY	FOUNDATION	FIREPLACE & EAVES	2 FEET
BAYS	4 FEET	PROPERTY	BAYS	MAINTAIN 10' BLDG SEPARATION	1 FOOT
FIREPLACE	3 FEET	PROPERTY	FIREPLACE	MAINTAIN 10' BLDG SEPARATION	2 FEET
EAVES	4 FEET	PROPERTY	EAVES	1 FOOT	
BAY WINDOWS	4 FEET	PROPERTY	BAY WINDOW	1 FOOT	
BETWEEN HOMES	12 FEET	FOUNDATION	FOUNDATION	CANTILEVERS FOR ABOVE	2 FEET FOR FIREPLACE * 1 FOOT, BAY/ EAVES*
SIDE-YARD					2 FEET FOR FIREPLACE * 1 FOOT, BAY/ EAVES*
CORNER LOTS	15 FEET	R.O.W.	FOUNDATION	CANTILEVERS FOR ABOVE	

* MINIMUM DISTANCE MUST BE MAINTAINED BETWEEN HOMES, PER APPLICABLE BUILDING CODE REGULATIONS. IF THIS TABLE CONFLICTS WITH THE BUILDING CODE THE BUILDING CODE WILL GOVERN THE CONDITION.

- STRUCTURES SHALL HAVE THE GARAGE SETBACK 20 FEET FROM THE STREET RIGHT-OF-WAY.
- REAR YARDS SHALL MAINTAIN 15 FEET FROM THE MAIN REAR FOUNDATION WALL TO THE REAR LOT LINE.
- SIDE YARDS SHALL BE A MINIMUM OF 5 FEET FROM THE LOT LINE, WHILE MAINTAINING A MINIMUM OF 10 FEET BETWEEN ADJACENT FOUNDATIONS, EXCEPT FOR FIREPLACES, EAVES, AND BAY WINDOWS AS DESCRIBED IN TABLE B ABOVE.
- FIREPLACES MAY ENCROACH 24 INCHES INTO A SIDE YARD SETBACK, BUT MUST MAINTAIN TEN FEET BETWEEN STRUCTURES.
- EAVES AND BAY WINDOWS MAY ENCROACH 12 INCHES INTO A SIDE YARD SETBACK, BUT MUST MAINTAIN TEN FEET BETWEEN STRUCTURES.
- SIDE YARD SETBACKS ON CORNER LOTS WILL BE A MINIMUM OF 15 FEET FROM THE RIGHT-OF-WAY.
- THERE SHALL BE NO OBSTRUCTION OF EASEMENTS BY THE HOME FOUNDATION.
- DECKS AND PATIOS MAY ENCROACH 5 FEET INTO THE REAR YARD SETBACK, BUT MAY NOT OBSTRUCT EASEMENTS.
- SWIMMING POOLS SHALL BE SET BACK A MINIMUM OF 5 FEET FROM ALL PROPERTY LINES, BUT MAY NOT OBSTRUCT EASEMENTS.

ARCHITECTURE

THE HOME ELEVATIONS SHOWN ON THIS FDP ARE ILLUSTRATIVE OF THE TYPE, STYLE AND QUALITY OF THE ARCHITECTURE THAT WILL BE CONSTRUCTED. FINAL CONFORMANCE WITH FDP WILL BE DETERMINED BY REVIEW OF THE PLANNING AND BUILDING DEPARTMENT PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.

ALL RESIDENTIAL HOMES SHALL BE "2X8 FRAME CONSTRUCTION" AND HAVE A MINIMUM OF A TWO-CAR GARAGE.

GENERAL STANDARDS

ARCHITECTURAL STANDARDS WILL CONFORM TO TOWN REGULATIONS AND MUNICIPAL CODE AS THEY MAY BE AMENDED FROM TIME TO TIME.

ELEVATIONS

SAMPLE ARCHITECTURAL ELEVATIONS INDICATING THE GENERAL ARCHITECTURAL STYLE HOMES ARE SHOWN ON SHEETS 21 - 25. ALL HOMEBUILDERS SHALL SUBMIT PLANS THAT ARE GENERALLY CONSISTENT WITH THE SAMPLE ELEVATIONS AND MEET THE ARCHITECTURAL AND DEVELOPMENT STANDARDS NOTED BELOW.

1. GENERALLY, WHEN LOOKING AT THE FRONT OF ANY LOT, THE RIGHT ELEVATION IS TO THE RIGHT OF THE FRONT, THE LEFT ELEVATION IS TO THE LEFT OF THE FRONT AND THE REAR ELEVATION IS OPPOSITE THE FRONT OF THE LOT (I.E. THE FRONT ELEVATION).
2. ROCK MEANS ROCK, BRICK, STONE OR CULTURED STONE.
3. ALL HOMES SHALL HAVE A MINIMUM OF 25% OF THE ENTIRE FRONT ELEVATION (WITH THE AREA OF THE GARAGE ALSO INCLUDED IN THE CALCULATION) IN ROCK. THE TOWN PLANNER IN THEIR SOLE DISCRETION MAY REDUCE THE REQUIREMENT TO 20%, IF IT CAN BE DEMONSTRATED THAT THE ELEVATION DOES NOT NEED 25% TO BE AESTHETICALLY PLEASING OR TO AVOID A SITUATION WHERE ROCK WOULD BE REQUIRED ON A SECOND STORY.
4. ALL HOMES SHALL MEET THE FOLLOWING ARCHITECTURAL STANDARDS:
 - A. ALL LAP SIDING SHALL BE NO LESS THAN 8-INCHES WITH NO LESS THAN A 7-INCH EXPOSURE.
 - B. ALL WINDOW CORNERS MUST HAVE A MINIMUM OF 4-INCH TRIM BOARD.
 - C. ROOF MATERIALS SHALL BE DIMENSIONAL ASPHALT SHINGLE TREATMENT DESIGNED TO PROVIDE INCREASED CONTRAST AND SHADOWS. THE ROOF COLORS SHALL COORDINATE WITH OR COMPLEMENT THE MAIN COLOR OF THE STRUCTURE.
 - D. SIMILAR HOUSE ELEVATIONS SHALL NOT BE PLACED NEXT TO OR DIRECTLY ACROSS FROM ONE ANOTHER.
 - E. DETACHED GARAGES ARE NOT PERMITTED.
 - F. ALL HOMES SHALL HAVE A MINIMUM FLOOR AREA OF 1,100 SQUARE FEET FOR RANCH PLANS (SINGLE STORY) AND 1,000 SQUARE FEET ABOVE GRADE FOR A TRI-LEVEL AND 1,600 SQUARE FEET FOR A TWO-STORY. IN ALL CASES THE CALCULATION OF FLOOR AREA DOES NOT INCLUDE THE FLOOR AREA OF ANY PART OF THE GARAGE, BASEMENT, ATTIC, DECK, PATIO OR OTHER SIMILAR ACCESSORY AREA.
 - G. ANY ELEVATION THAT HAS ROCK, BRICK OR CULTURED STONE AT THE BASE OF THE ELEVATION, SUCH MATERIAL SHALL WRAP AROUND AT LEAST 2 FEET ON THE ADJOINING ELEVATION.

5. ENHANCED ELEVATION OPTION 1 SHALL MEAN THE ELEVATION SHALL HAVE A MINIMUM OF 25% ROCK OR CULTURED STONE, WITH AT LEAST ONE WINDOW. ALL WINDOWS SHALL HAVE SHUTTERS, THE TOWN PLANNER IN HIS SOLE DISCRETION MAY, ON A CASE BY CASE BASIS, WAIVE THE REQUIREMENT FOR A WINDOW, IF IT CAN BE DEMONSTRATED THAT THE WINDOW WOULD NOT BE PROMINENT TO THE VIEW FROM (FILL IN WITH NAME OF ARTERIAL STREET), CONFLICT WITH THE INTERIOR ARCHITECTURE OR CONFLICT WITH WINDOWS ON AN ADJOINING HOME. THE FOLLOWING ITEMS SHALL ALSO BE INCLUDED IN WITH OPTION 1:

- A. THE REAR ELEVATION MUST INCLUDE AT LEAST TWO WINDOWS OR ONE WINDOW AND ONE DOORWAY.
- B. THE REAR ELEVATION SHALL HAVE A MINIMUM OF TWO ROOF BREAKS TO CREATE A VARIATION IN ROOF MASSING.
- C. THE REAR WALL SHALL INCLUDE AT LEAST ONE OF THE FOLLOWING ELEMENTS:
 1. ANGLED OR BOX BAY.
 2. DECK OR BALCONY.

ENHANCED ELEVATION OPTION 2 SHALL MEAN THE ELEVATION SHALL HAVE AT LEAST ONE WINDOW. ALL WINDOWS SHALL HAVE SHUTTERS, THE TOWN PLANNER MAY ON A CASE BY CASE BASIS, IN THEIR SOLE DISCRETION WAIVE THE REQUIREMENT OF A WINDOW ON ANY ELEVATION, IF IT CAN BE DEMONSTRATED THAT THE WINDOW WOULD NOT BE PROMINENT TO THE VIEW FROM ARBOR STREET, CONFLICT WITH THE INTERIOR ARCHITECTURE OR CONFLICT WITH WINDOWS ON AN ADJOINING HOME. THE FOLLOWING ITEMS SHALL ALSO BE INCLUDED IN WITH OPTION 2:

- A. THE REAR ELEVATION SHALL HAVE A MINIMUM OF TWO ROOF BREAKS TO CREATE A VARIATION IN ROOF MASSING.
- B. DECORATIVE GABLE END VENT OR VENTS.
- C. THE REAR WALL SHALL INCLUDE AT LEAST ONE OF THE FOLLOWING ELEMENTS:
 1. ANGLED OR BOX BAY.
 2. DECK OR BALCONY.

6. ALL HOMES SHALL HAVE A BASEMENT WHERE TECHNICALLY FEASIBLE AS DETERMINED BY THE TOWN ENGINEER IN AGREEMENT OF THE OWNER'S GEOTECHNICAL REPORT RECOMMENDATION, WHERE A BASEMENT IS NOT FEASIBLE, THE HOMES SHALL HAVE "CRAWL SPACES".

LOCATIONS FOR REQUIRED ENHANCED ELEVATION OPTION 2 ARE PROVIDED IN THE ENHANCED ELEVATIONS OPTION TABLE ON THIS SHEET.

FOUNDATION WALLS

THE MAXIMUM AMOUNT OF FOUNDATION WALL PERMITTED TO THE EXPOSED ABOVE FINISHED GRADE IS 8".

ADDRESS SIGNS

STREET ADDRESSES ARE TO BE PROMINENTLY DISPLAYED IN CONTRASTING COLOR PLAINLY VISIBLE FROM THE STREET.

ACCESSORY BUILDINGS

ONE STORAGE SHED MAY BE CONSTRUCTED PER RESIDENCE

- A. THE MAXIMUM SIZE IS 6 FEET WIDE AND 6 FEET DEEP.
- B. THE MAXIMUM HEIGHT IS 7 FEET.
- C. THE ARCHITECTURE MUST MATCH THE HOME ON THE SAME LOT.
- D. THE BODY AND TRIM COLORS MUST MATCH THE HOME ON THE SAME LOT.

NO OTHER ACCESSORY BUILDINGS MAY BE CONSTRUCTED.

OTHER HOME MODELS

SHALL BE PERMITTED AS LONG THE MODELS AND THEIR DESIGN MEET OR EXCEED THE STYLE AND DESIGN OF THE HOMES DEPICTED ON THE FDP. IN DETERMINING WHETHER A NEW MODEL IS OF THE SAME OR BETTER QUALITY, THE TOWN PLANNER SHALL CONSIDER: SIZE OF HOME, LEVEL AND DETAIL OF TRIM, NUMBER AND PLACEMENT OF WINDOWS, QUALITY OF ROOFING AND ROOF SLOPE, EXTENT AND PLACEMENT OF MASONRY, THE PLACEMENT AND DETAILS OF PORCH AND ENTRY FEATURES AND OTHER QUALITIES THE TOWN PLANNER BELIEVES TO BE RELEVANT WHEN COMPARING PROPOSED PLAN TO THOSE SPECIFIC PLANS APPROVED WITH THIS FDP.

PROHIBITED USE WITHIN THE PUD

PROHIBITED LAND USES WITHIN THE FDP WILL INCLUDE ALL USES, AS OUTLINED IN SECTION 15.15 OF THE TOWN OF FIRESTONE DEVELOPMENT REGULATIONS THAT RELATE TO THE PLATTED RESIDENTIAL AREA OF FILING 1.

OIL AND GAS DEVELOPMENT

THE LAND USES WITHIN THE FDP ALSO INCLUDE POTENTIAL FUTURE OIL AND GAS DEVELOPMENT. OIL AND GAS DEVELOPMENT WITHIN THE FDP WILL REQUIRE THE PROCESSING OF A SPECIAL USE PERMIT PURSUANT TO THE FIRESTONE MUNICIPAL CODE. DIRECTIONAL DRILLING MAY BE CONSIDERED FOR DEVELOPMENT OF THE RESOURCE WITHIN THE FDP, THE FUTURE OIL AND GAS FACILITIES, IF ANY AND AS MAY BE APPROVED, WILL BE SCREENED AND BUFFERED CONSISTENT WITH THE REQUIREMENTS OF THE SPECIAL USE PERMIT AND ALL OTHER REQUIREMENTS ESTABLISHED THROUGH THE SPECIAL USE REVIEW AT THE TIME THE FACILITY IS PROCESSED. IN ALL CASES, COLORADO OIL AND GAS COMMISSION STANDARD SAFETY PROCEDURES, NOTIFICATION, ENVIRONMENTAL RULES AND REGULATIONS AND REQUIRED SETBACKS WILL BE OBSERVED AS PART OF ANY FUTURE OIL AND GAS DEVELOPMENT WITHIN THE FDP.

THE SUBDIVIDER SHALL RETAIN OWNERSHIP OF TRACT "A" UNTIL SUCH TIME THE OIL AND GAS FACILITY IS REMOVED AT WHICH TIME TRACT "A" MAY BE DEDICATED TO THE TOWN.

BUILDING HEIGHT

THE MAXIMUM BUILDING HEIGHT FOR THE PLATTED LOT PORTION OF THIS FDP SHALL BE AS ESTABLISHED BY THE FIRST AMENDMENT TO THE OUTLINE DEVELOPMENT PLAN FOR COTTONWOOD HOLLOW, BEING 35'.

DEVELOPMENT SCHEDULE

FILING 1 WILL BEGIN IN 2018 WITH THE DEVELOPMENT OF SINGLE-FAMILY RESIDENTIAL UNITS. IT IS EXPECTED IT WILL TAKE 4 TO 6 YEARS TO BUILD OUT THE RESIDENTIAL PORTION, HOWEVER, THIS SCHEDULE IS BASED ON CURRENT MARKET CONDITIONS AND MAY CHANGE SUBJECT TO MARKET DEMAND.

PARK DEVELOPMENT

COTTONWOOD HOLLOW, FILING NO. 1 IS ALLOCATING TRACT "D", A 0.56 ACRE PARCEL OF LAND TO PARK AND OPEN SPACE, TO BE OWNED AND MAINTAINED BY COTTONWOOD HOLLOW COMMERCIAL AND RESIDENTIAL METROPOLITAN DISTRICT.

THE ANNEXATION AGREEMENT REQUIRED 5.00 ACRES OF PARKS FOR THE FULL DEVELOPMENT OF COTTONWOOD SOUTH OF SABLE AVENUE. FILING NO. 1 SHALL SATISFY 0.56 ACRES WITH DEDICATION OF TRACT "D" TO THE COTTONWOOD HOLLOW COMMERCIAL AND RESIDENTIAL METROPOLITAN DISTRICT. FUTURE FILINGS SOUTH OF SABLE WILL INCLUDE AT LEAST 4.44 ACRES TO BE DEDICATED AS PARKS AND TO BE OWNED AND MAINTAINED BY COTTONWOOD HOLLOW COMMERCIAL AND RESIDENTIAL METROPOLITAN DISTRICT.

OPEN SPACE BEING DEDICATED TO THE TOWN OF FIRESTONE WITH FILING 1 INCLUDES TRACTS "E" AND "F".

TRACTS "E" AND "F" SHALL BE MAINTAINED BY COTTONWOOD HOLLOW COMMERCIAL AND RESIDENTIAL METROPOLITAN DISTRICT. THE FUTURE COTTONWOOD HOLLOW FDP WILL INCLUDE DEVELOPMENT OF TRACTS "G", "I", AND "R" AND INCLUDE A 10-FOOT TRAIL CONSTRUCTED BY THE DEVELOPER IN TRACTS "H" AND "S" ALONG GODDING HOLLOW, AN IMPROVEMENT PLAN FOR TRACT "A" AND THE 10-FOOT TRAIL IN TRACTS "H" AND "S" SHALL BE PROVIDED WITH FUTURE COTTONWOOD HOLLOW FDP.

FILING 1 ACREAGE = 89.12 ACRES
REQUIRED FILING 1 PLD = 8.91 ACRES (10% OF TOTAL)
ACTUAL DEDICATE PLD WITH FILING 1 (TRACT "D") = 0.56 ACRES

PREVIOUSLY "BANKED" PLD FROM COTTONWOOD HOLLOW, FILING 2 = 15.703 ACRES (TRACT C)

PRIVATE MAINTENANCE AND ENFORCEMENT

THE COTTONWOOD HOLLOW COMMERCIAL AND RESIDENTIAL METROPOLITAN DISTRICT (CHCRMD) WILL RECORD COVENANTS, CONDITIONS AND RESTRICTIONS WHICH WILL GOVERN THE USE, MAINTENANCE AND CONTINUED PROTECTION OF COTTONWOOD HOLLOW. MAINTENANCE OF OPEN SPACE AND ANY (CHCRMD) OWNED PROPERTY WILL BE THE RESPONSIBILITY OF COTTONWOOD HOLLOW COMMERCIAL AND RESIDENTIAL METROPOLITAN DISTRICT.

DRAINAGE

DRAINAGE IMPROVEMENTS SHALL COMPLY WITH CRITERIA AS SET FORTH BY THE TOWN. STORM DRAINAGE IMPROVEMENTS IN AREAS DESIGNATED BY TOWN OF FIRESTONE AND MAINTAINED BY THE COTTONWOOD HOLLOW COMMERCIAL AND RESIDENTIAL METROPOLITAN DISTRICT (CHCRMD) SHALL REMAIN THE RESPONSIBILITY OF THE (CHCRMD). FOR FURTHER DETAILS SEE FINAL DRAINAGE REPORT FOR COTTONWOOD HOLLOW BY PARAGON ENGINEERING CONSULTANTS, INC. REVISED JUNE 2018.

SIGN PROGRAM

SIGNAGE SHALL CONFORM TO THE DEVELOPMENT STANDARDS OF THE FIRESTONE MUNICIPAL CODE, ALSO COLORADO DEPARTMENT OF TRANSPORTATION "M" AND "S" STANDARDS SHALL BE USED AS GUIDELINE FOR ANY ADDITIONAL INFORMATION REQUIRED.

ENTRY SIGN

AN ENTRY SIGN WILL BE LOCATED ON TRACT "T", WHICH SIGN AND TRACT WILL BE OWNED AND MAINTAINED BY THE COTTONWOOD HOLLOW COMMERCIAL AND RESIDENTIAL METROPOLITAN DISTRICT.

CONTROLS

TABLE A SPECIFIES OWNERSHIP AND MAINTENANCE RESPONSIBILITIES FOR THE FDP.

LANDSCAPING

TRACTS "B", "C", "D", "M", "N", "O", "P", AND "T" WILL BE IRRIGATED AS SHOWN ON THE FDP LANDSCAPE AND IRRIGATION PLANS.

FENCING

A SIX-FOOT HIGH TAN VINYL PRIVACY FENCE WILL BE CONSTRUCTED FOR THE RESIDENTIAL LAND USE ALONG THE SOUTH AND WEST PROPERTY LINES AND ALONG ARBOR STREET. ALL OTHER FENCING WILL BE A 3' RAIL TAN VINYL FENCING AS SHOWN ON THE FENCING PLAN.

TECHNICAL CONSULTANT & PREPARED BY:

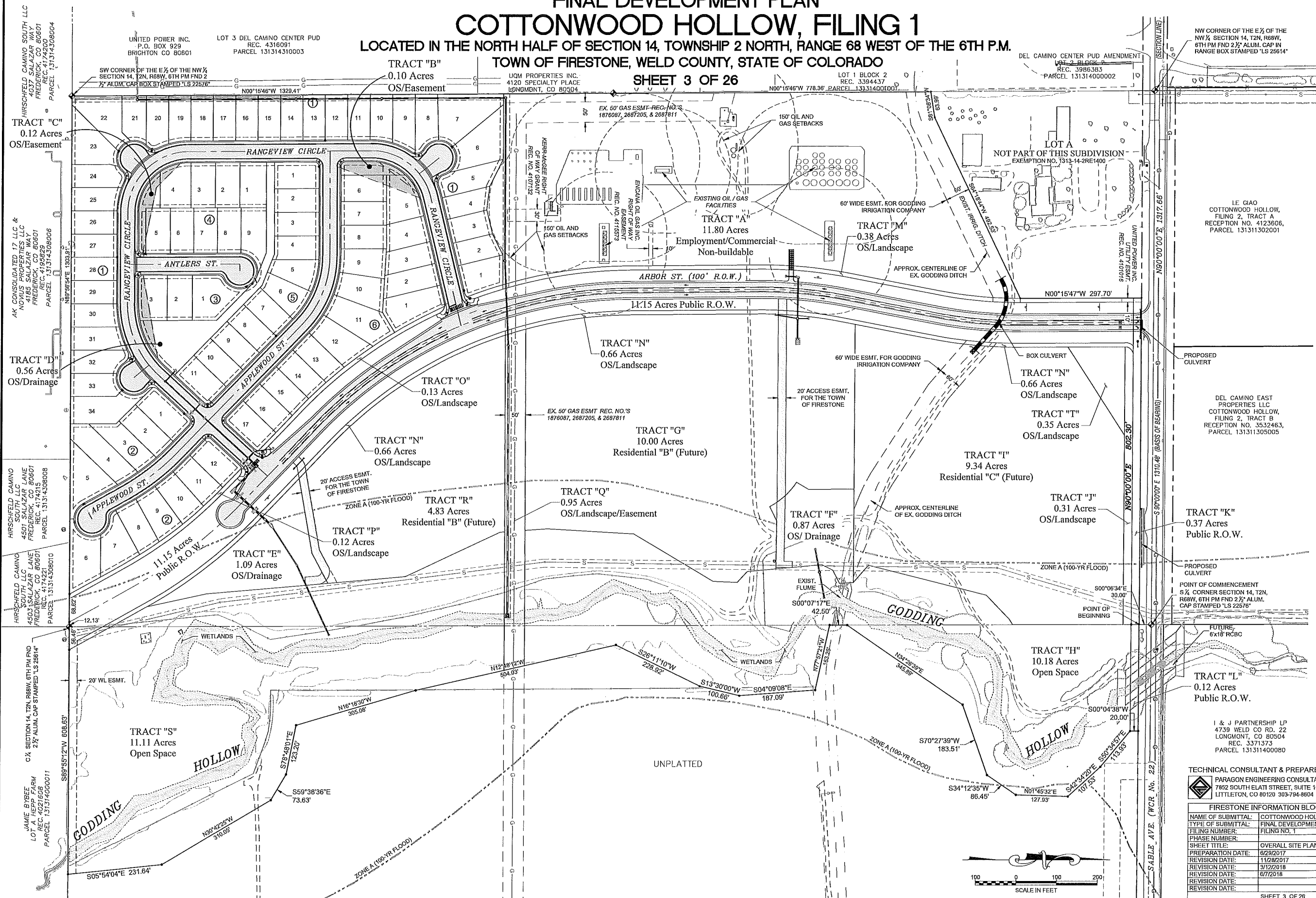
 PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8804

FIRESTONE INFORMATION BLOCK

NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	FILING NO. 1
PHASE NUMBER:	
SHEET TITLE:	GENERAL NOTES
PREPARATION DATE:	6/29/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/7/2018
REVISION DATE:	
SHEET 2 OF 28	

FINAL DEVELOPMENT PLAN
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO

SHEET 3 OF 26

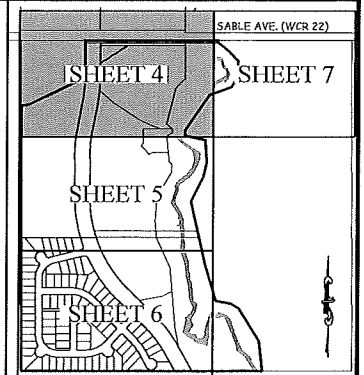


TECHNICAL CONSULTANT & PREPARED BY:
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8604

FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	FILING NO. 1
PHASE NUMBER:	
SHEET TITLE:	OVERALL SITE PLAN
PREPARATION DATE:	6/29/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/7/2018
REVISION DATE:	

SHEET 3 OF 26

FINAL DEVELOPMENT PLAN
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 4 OF 26



KEY MAP

LEGEND	
○	FND. REBAR W 1/2" ALUM. CAP "LS 22576"
△	FND. REBAR W 1/2" ALUM. CAP "LS 25614"
●	SET #5 REBAR W YELLOW CAP "PLS 2014Z"
◆	FND. ALIQUOT MONUMENT AS DESCRIBED
—	ALIQUOT LINE
—	EXISTING R.O.W.
—	PROPERTY LINE
—	EXISTING PROPERTY LINE
—	EXISTING EASEMENT
—	PROPOSED TRACT / LOT LINE
—	PROPOSED EASEMENT
—	PROPOSED CENTERLINE OF R.O.W.
PC, PT, INT, ETC.	PC, PT, POINT OF INTERSECTION, ETC.
—	BUILDING SETBACK LINE
—	PROPOSED EASEMENT
—	EXIST. WATER LINE
—	EXIST. SAN. SEWER
—	EXISTING CONTOURS
—	PROPOSED CONTOURS
—	EXISTING CULVERT
28	LOT NUMBER
①	BLOCK NUMBER
U.E.	UTILITY EASEMENT
—	PROPOSED 100-YR FLOOD PLAIN
—	PRO. STORM SEWER
—	PROPOSED CULVERT
—	TOF - TOP OF FOUNDATION
—	FF - FINISH FLOOR
★	PROPOSED LIGHT POLE
—	PROPOSED ENTRANCE SIGN
—	PROPOSED STREET SIGN
SDTE	SIGHT DISTANCE TRIANGLE EASEMENT

- NOTES:
- MINIMUM SETBACK REQUIREMENTS REFER TO TABLE B SHEET 2.
 - THE VARIABLE WIDTH OF THE SIGHT TRIANGLE DISTANCE EASEMENT IS A NO-BUILD AREA AND RESTRICTS VEGETATION AND PERMANENT STRUCTURES MORE THAN THREE FEET TALL, EXCEPT FOR DECIDUOUS TREES AND OPEN RAIL FENCING.
 - MAIL BOX CLUSTERS SHALL BE LOCATED IN TRACT D, AND OUTSIDE OF THE SIGHT DISTANCE TRIANGLE EASEMENT. SEE DETAIL D, SHEET 18.
- PER GEOTECHNICAL ENGINEERING REPORT BY COLE GARNER GEOTECHNICAL DATED MARCH 15, 2018.

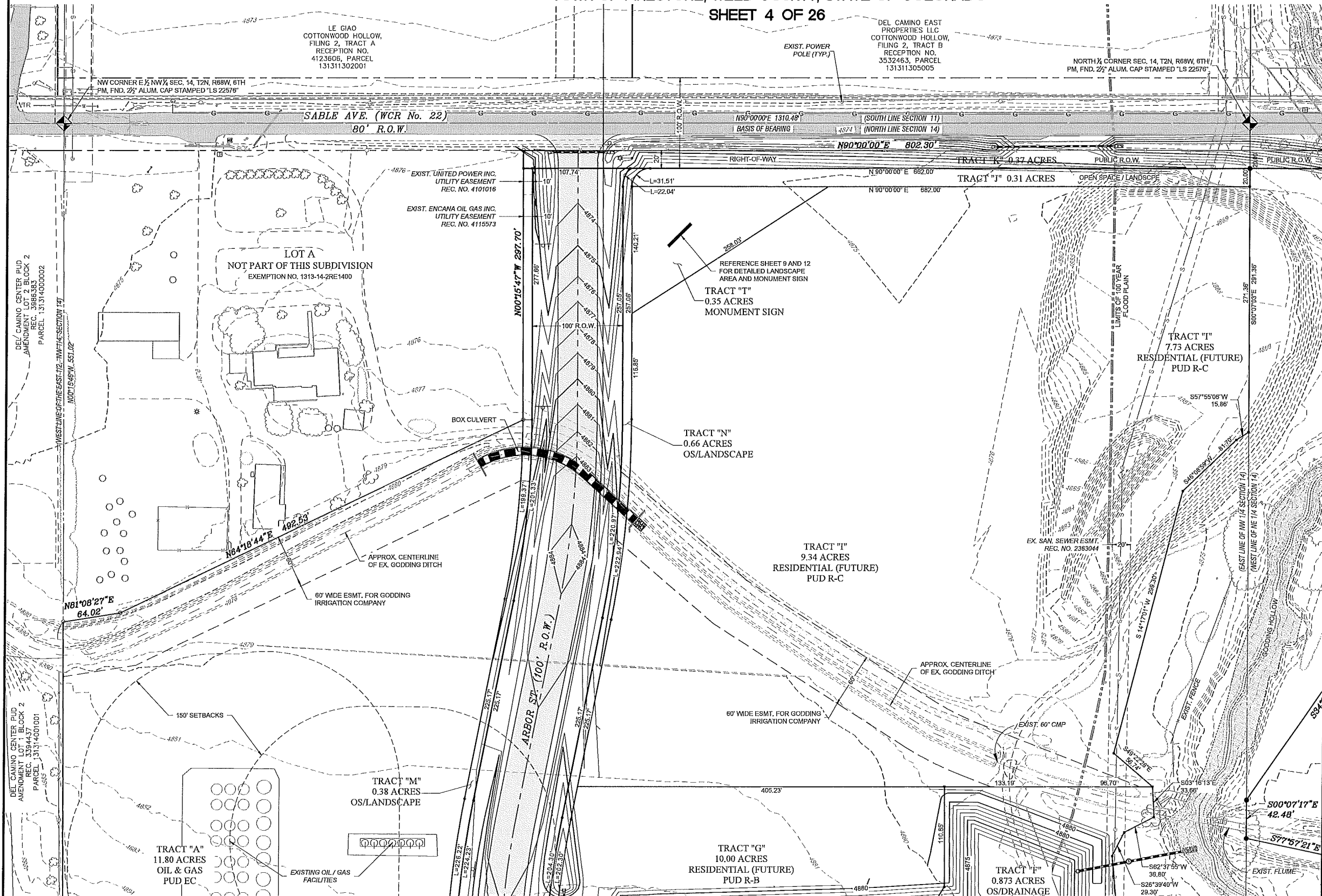
—	BORING LOCATION
—	DESCRIPTION
—	EXISTING GROUND ELEVATION
—	GROUNDWATER ELEVATION

SCALE: 1"=50'

TECHNICAL CONSULTANT & PREPARED BY:
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8604

FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	FILING NO. 1
PHASE NUMBER:	
SHEET TITLE:	SITE GRADING PLAN 1
PREPARATION DATE:	6/29/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/17/2018
REVISION DATE:	

SHEET 4 OF 26



SEE SHEET 4

FINAL DEVELOPMENT PLAN COTTONWOOD HOLLOW, FILING 1

LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.

TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO

SHEET 5 OF 26

10.00 ACRES
RESIDENTIAL (FUTURE)
PUD R-B

TRACT "F"
0.873 ACRES
OS/DRAINAGE

TRACT "H"
10.18 ACRES
OPEN SPACE

TRACT "G"
10.00 ACRES
RESIDENTIAL (FUTURE)
PUD R-B

TRACT "N"
0.66 ACRES
OS/LANDSCAPE

TRACT "Q"
0.95 ACRES
OPEN SPACE

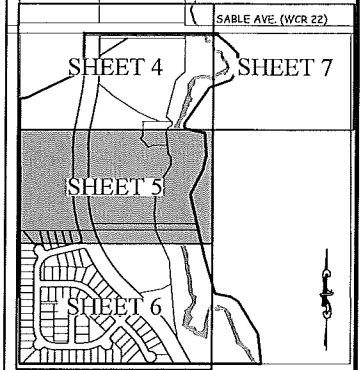
TRACT "R"
4.83 ACRES
RESIDENTIAL (FUTURE)
PUD R-B

TRACT "S"
11.11 ACRES
OPEN SPACE

TRACT "A"
11.80 ACRES
OIL & GAS
PUD EC

TRACT "A"
11.80 ACRES
OIL & GAS
EMPLOYMENT/COMMERCIAL

TRACT "M"
0.38 ACRES
OS/LANDSCAPE



KEY MAP

- LEGEND**
- FND. REBAR W/ 1/2" ALUM. CAP "LS 22576"
 - FND. REBAR W/ 1/2" ALUM. CAP "LS 25614"
 - SET #5 REBAR W/ YELLOW CAP "PLS 20142"
 - FND. ALIQUOT MONUMENT AS DESCRIBED
 - ALIQUOT LINE
 - EXISTING R.O.W.
 - PROPERTY LINE
 - EXISTING PROPERTY LINE
 - EXISTING EASEMENT
 - PROPOSED TRACT / LOT LINE
 - PROPOSED EASEMENT
 - PROPOSED CENTERLINE OF R.O.W.
 - PG, PT, POINT OF INTERSECTION, ETC.
 - BUILDING SETBACK LINE
 - PROPOSED EASEMENT
 - EXIST. WATER LINE
 - EXIST. SAN. SEWER
 - EXISTING CONTOURS
 - PROPOSED CONTOURS
 - EXISTING CULVERT
 - 28 LOT NUMBER
 - 1 BLOCK NUMBER
 - U.E. UTILITY EASEMENT
 - PROPOSED 100-YR FLOOD PLAIN
 - PRO. STORM SEWER
 - PROPOSED CULVERT
 - TOF - TOP OF FOUNDATION
 - FF - FINISH FLOOR
 - PROPOSED LIGHT POLE
 - PROPOSED ENTRANCE SIGN
 - PROPOSED STREET SIGN
 - SOTE SIGHT DISTANCE TRIANGLE EASEMENT

- NOTES:**
- MINIMUM SETBACK REQUIREMENTS REFER TO TABLE B SHEET 2.
 - THE VARIABLE WIDTH OF THE SIGHT TRIANGLE DISTANCE EASEMENT IS A NO-BUILD AREA AND RESTRICTS VEGETATION AND PERMANENT STRUCTURES MORE THAN THREE FEET TALL, EXCEPT FOR DECIDUOUS TREES AND OPEN RAIL FENCING.
 - MAIL BOX CLUSTERS SHALL BE LOCATED IN TRACT D, AND OUTSIDE OF THE SIGHT DISTANCE TRIANGLE EASEMENT. SEE DETAIL D, SHEET 19.

PER GEOTECHNICAL ENGINEERING REPORT
BY COLE GARNER GEOTECHNICAL DATED
MARCH 15, 2018.

- BORING LOCATION
- BORING NO. 1
- 4974.90
- 4863.7
- DESCRIPTION
- EXISTING GROUND ELEVATION
- GROUNDWATER ELEVATION

SCALE: 1"=50'

TECHNICAL CONSULTANT & PREPARED BY:
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8804

FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	FILING NO. 1
PHASE NUMBER:	
SHEET TITLE:	SITE GRADING PLAN 2
PREPARATION DATE:	6/29/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/7/2018
REVISION DATE:	

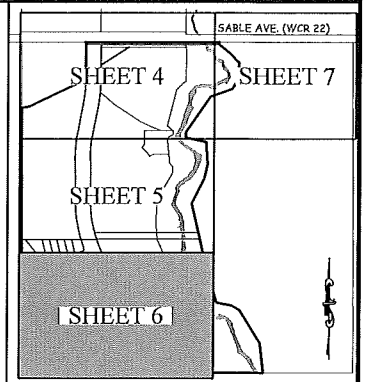
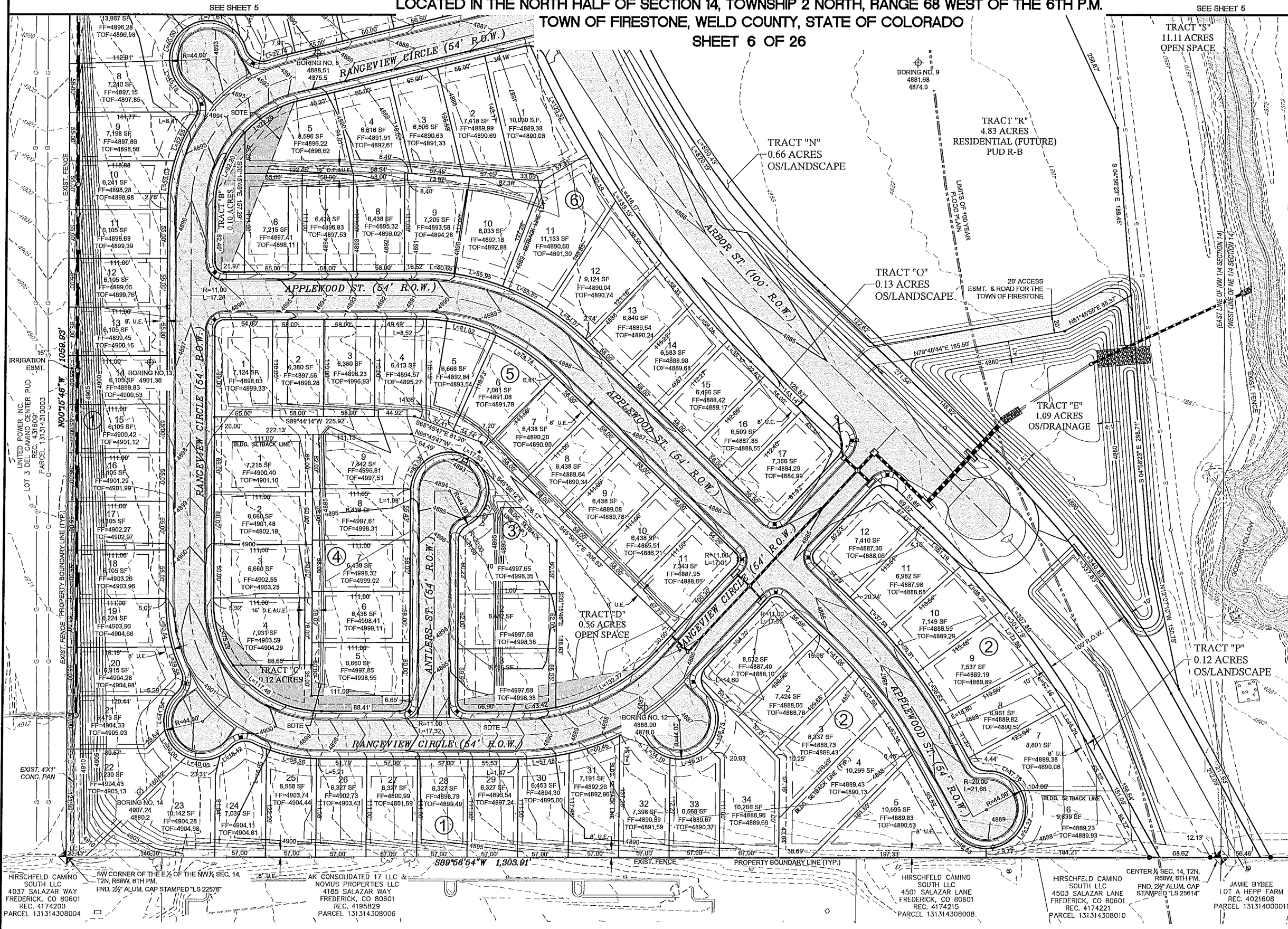
SHEET 5 OF 26

FINAL DEVELOPMENT PLAN COTTONWOOD HOLLOW, FILING 1

LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.

TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO

SHEET 6 OF 26



KEY MAP

LEGEND	
	FND. REBAR W 1/2" ALUM. CAP "LS 22576"
	FND. REBAR W 1/2" ALUM. CAP "LS 25814"
	SET #5 REBAR W 1/2" ALUM. CAP "LS 20142"
	FND. ALIQUOT MONUMENT AS DESCRIBED
	ALIQUOT LINE
	EXISTING R.O.W.
	PROPERTY LINE
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	PROPOSED TRACT / LOT LINE
	PROPOSED EASEMENT
	PROPOSED CENTERLINE OF R.O.W.
	PG, PT, POINT OF INTERSECTION, ETC.
	BUILDING SETBACK LINE
	PROPOSED EASEMENT
	EXIST. WATER LINE
	EXIST. SAN. SEWER
	EXISTING CONTOURS
	PROPOSED CONTOURS
	EXISTING CULVERT
	28 LOT NUMBER
	1 BLOCK NUMBER
	U.E. UTILITY EASEMENT
	PROPOSED 100-YR FLOOD PLAIN
	PRO. STORM SEWER
	PROPOSED CULVERT
	TOP - TOP OF FOUNDATION
	FF - FINISH FLOOR
	PROPOSED LIGHT POLE
	PROPOSED ENTRANCE SIGN
	PROPOSED STREET SIGN
	SDTE SIGHT DISTANCE TRIANGLE EASEMENT

- NOTES:
1. MINIMUM SETBACK REQUIREMENTS REFER TO TABLE B SHEET 2.
 2. THE VARIABLE WIDTH OF THE SIGHT TRIANGLE DISTANCE EASEMENT IS A NO-BUILD AREA AND RESTRICTS VEGETATION AND PERMANENT STRUCTURES MORE THAN THREE FEET TALL, EXCEPT FOR DECIDUOUS TREES AND OPEN RAIL FENCING.
 3. MAIL BOX CLUSTERS SHALL BE LOCATED IN TRACT D, AND OUTSIDE OF THE SIGHT DISTANCE TRIANGLE EASEMENT. SEE DETAIL D, SHEET 18.
 4. PER GEOTECHNICAL ENGINEERING REPORT BY COLE GARNER GEOTECHNICAL DATED MARCH 15, 2018.

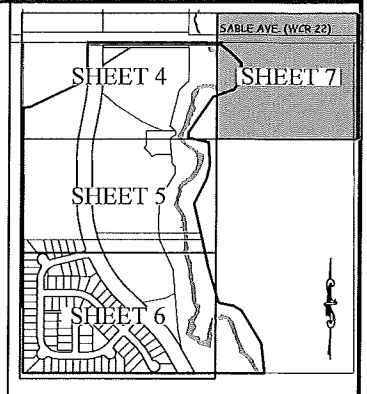
PER GEOTECHNICAL ENGINEERING REPORT BY COLE GARNER GEOTECHNICAL DATED MARCH 15, 2018.	
	BORING LOCATION
	BORING NO. 1
	DESCRIPTION
	EXISTING GROUND ELEVATION
	GROUNDWATER ELEVATION

SCALE: 1"=50'

TECHNICAL CONSULTANT & PREPARED BY:
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8804

FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	FILING NO. 1
PHASE NUMBER:	
SHEET TITLE:	SITE GRADING PLAN 3
PREPARATION DATE:	6/28/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/7/2018
REVISION DATE:	
REVISION DATE:	

FINAL DEVELOPMENT PLAN
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 7 OF 26



KEY MAP

LEGEND	
○	FND. REBAR W/ 1/2" ALUM. CAP "LS 22576"
△	FND. REBAR W/ 1/2" ALUM. CAP "LS 25614"
●	SET #5 REBAR W/ YELLOW CAP "PLS 20142"
◆	FND. ALIQUOT MONUMENT AS DESCRIBED
—	ALIQUOT LINE
—	EXISTING R.O.W.
—	PROPERTY LINE
—	EXISTING PROPERTY LINE
—	EXISTING EASEMENT
—	PROPOSED TRACT / LOT LINE
—	PROPOSED EASEMENT
—	PROPOSED CENTERLINE OF R.O.W.
PG, PT, INT, ETC.	PG, PT, POINT OF INTERSECTION, ETC.
—	BUILDING SETBACK LINE
—	PROPOSED EASEMENT
—	EXIST. WATER LINE
—	EXIST. SAN. SEWER
—	EXISTING CONTOURS
—	PROPOSED CONTOURS
—	EXISTING CULVERT
28	LOT NUMBER
①	BLOCK NUMBER
U.E.	UTILITY EASEMENT
—	PROPOSED 100-YR FLOOD PLAIN
—	PRO. STORM SEWER
—	PROPOSED CULVERT
—	TOF - TOP OF FOUNDATION
—	FF - FINISH FLOOR
☆	PROPOSED LIGHT POLE
—	PROPOSED ENTRANCE SIGN
—	PROPOSED STREET SIGN
SDTE	SIGHT DISTANCE TRIANGLE EASEMENT

- NOTES:
1. MINIMUM SETBACK REQUIREMENTS REFER TO TABLE B SHEET 2.
 2. THE VARIABLE WIDTH OF THE SIGHT TRIANGLE DISTANCE EASEMENT IS A NO-BUILD AREA AND RESTRICTS VEGETATION AND PERMANENT STRUCTURES MORE THAN THREE FEET TALL, EXCEPT FOR DECIDUOUS TREES AND OPEN RAIL FENCING.
 3. MAIL BOX CLUSTERS SHALL BE LOCATED IN TRACT D, AND OUTSIDE OF THE SIGHT DISTANCE TRIANGLE EASEMENT. SEE DETAIL D, SHEET 19.

NOTE:
MINIMUM SETBACK REQUIREMENTS REFER TO TABLE B SHEET 2.

PER GEOTECHNICAL ENGINEERING REPORT BY COLE GARNER GEOTECHNICAL DATED MARCH 15, 2018.

BORING NO.	DESCRIPTION
4974.90	EXISTING GROUND ELEVATION
4863.7	GROUNDWATER ELEVATION

SITE BENCHMARK:
FIRESTONE BENCHMARK BM5 CDOT ROW MONUMENT STA. 1268+52 (BRASS CAP SET IN CONCRETE) AT W1/4 CORNER, SEC. 14, T2N, R68W NGVD 1929 ELEVATION=4915.23 FEET

TECHNICAL CONSULTANT & PREPARED BY:
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8604

FIRESTONE INFORMATION BLOCK

NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NO.:	1
PHASE NUMBER:	
SHEET TITLE:	SITE GRADING PLAN 4
PREPARATION DATE:	6/28/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/7/2018
REVISION DATE:	

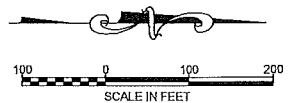
SHEET 7 OF 26

FINAL DEVELOPMENT PLAN
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO

SHEET 8 OF 26

LEGEND

- 12" WTR EXISTING WATER LINE
- PROP. FIRE HYDRANT ASSEMBLY
- PROPOSED GATE VALVE
- PROPOSED WATER LINE
- EXISTING CULVERT
- PROPOSED STORM SEWER
- PROPOSED CULVERT
- PROPOSED INLET
- COTTONWOOD HOLLOW
- EXISTING UTILITY EASEMENT
- D.E. DRAINAGE EASEMENT
- U.E. UTILITY EASEMENT
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING SANITARY MANHOLE
- PROPOSED SANITARY MANHOLE
- TRAIL
- EXISTING GAS LINE
- PROPOSED IRRIGATION SLEEVE



TECHNICAL CONSULTANT & PREPARED BY:
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8604

FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	FILING NO. 1
PHASE NUMBER:	
SHEET TITLE:	OVERALL UTILITY PLAN
PREPARATION DATE:	6/28/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/17/2018
REVISION DATE:	

SHEET 8 OF 26

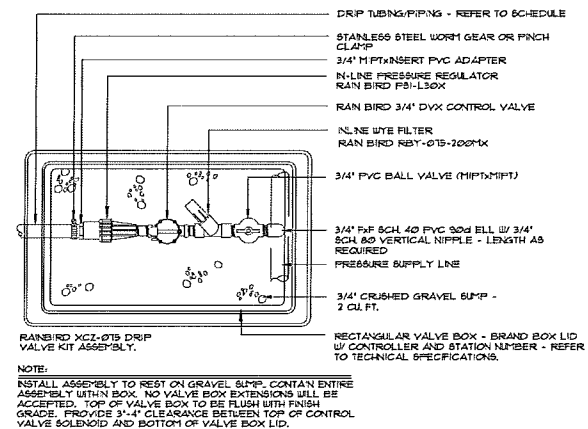
EX. MANHOLE RIM ADJUSTMENT

EX. MANHOLE I.D.	EX. RIM ELEVATION	ADJUSTED RIM ELEVATION	BASE FLOOD ELEVATION
D18-A16	4881.84	4884.28	4883.78
D18-A15	4880.84	4883.08	4882.58
D18-A14	4879.34	4881.79	4881.29
D18-A13	4879.44	4880.48	4879.96
D18-A12	4877.34	4879.75	4879.25
D18-A11	4873.99	4876.90	4876.40



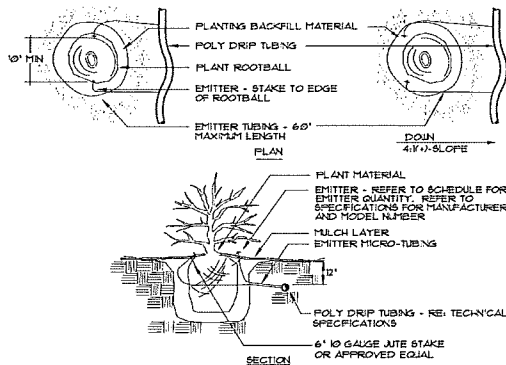
Know what's below.
Call before you dig.

FINAL DEVELOPMENT PLAN
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 19 OF 26



DRIP VALVE ASSEMBLY

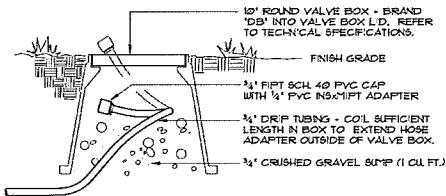
12



DRIP EMITTERS

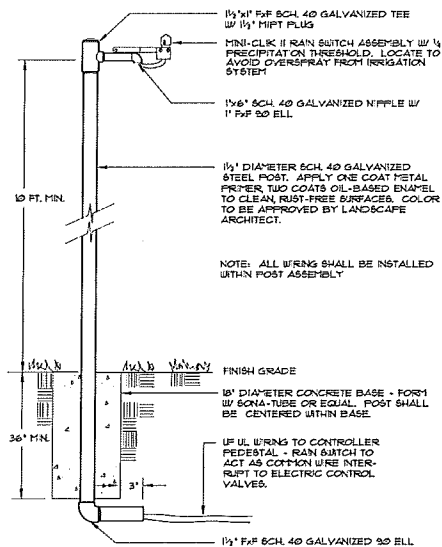
PLANT SIZE	EMITTER FLOW RATE	EMITTER QTY. AT MULCHED BED LOCATIONS	EMITTER QTY. AT NATIVE SEED LOCATIONS
1 GALLON MATERIAL	0.5 GPH	ONE EACH	ONE EACH
5 GALLON MATERIAL	0.5 GPH	TWO EACH	TWO EACH
1 1/2" CALIPER TREE	1.0 GPH	THREE EACH	FOUR EACH
2" CALIPER TREE	1.0 GPH	FOUR EACH	SIX EACH
2 1/2" CALIPER TREE	1.0 GPH	SIX EACH	EIGHT EACH
3" CALIPER TREE	1.0 GPH	EIGHT GPH EACH	TEN EACH
3 1/2" CALIPER TREE	1.0 GPH	NINE GPH EACH	ELEVEN EACH
4" CALIPER TREE	1.0 GPH	TEN EACH	TWELVE EACH
6 FT. CONIFEROUS TREE	1.0 GPH	FOUR EACH	SIX EACH
8 FT. CONIFEROUS TREE	1.0 GPH	SIX EACH	NINE EACH
10 FT. CONIFEROUS TREE	1.0 GPH	EIGHT EACH	TWELVE EACH
12 FT. CONIFEROUS TREE	1.0 GPH	TEN EACH	FOURTEEN EACH

NOTES:
INSTALL EMITTERS ON OPPOSING SIDES OF ROOTBALL. THREE OR MORE EMITTERS SHALL BE EQUALLY SPACED AROUND ROOT BALL.
EMITTERS ARE TO BE INSTALLED TO CLEAR SURFACE BY A MINIMUM OF 1" AND A MAXIMUM OF 2".
FLUSH ALL LINES THOROUGHLY, INCLUDING EMITTER MICRO-TUBING PRIOR TO EMITTER INSTALLATION.
IF PLANTING ON A 4:1 SLOPE OR STEEPER, INSTALL BOTH EMITTERS ON UPHILL SIDE OF ROOT BALL.
EMITTERS SHALL BE SELF-FLUSHING, PRESSURE COMPENSATING-TYPE UNLESS NOTED OTHERWISE WITHIN TECHNICAL SPECIFICATIONS.



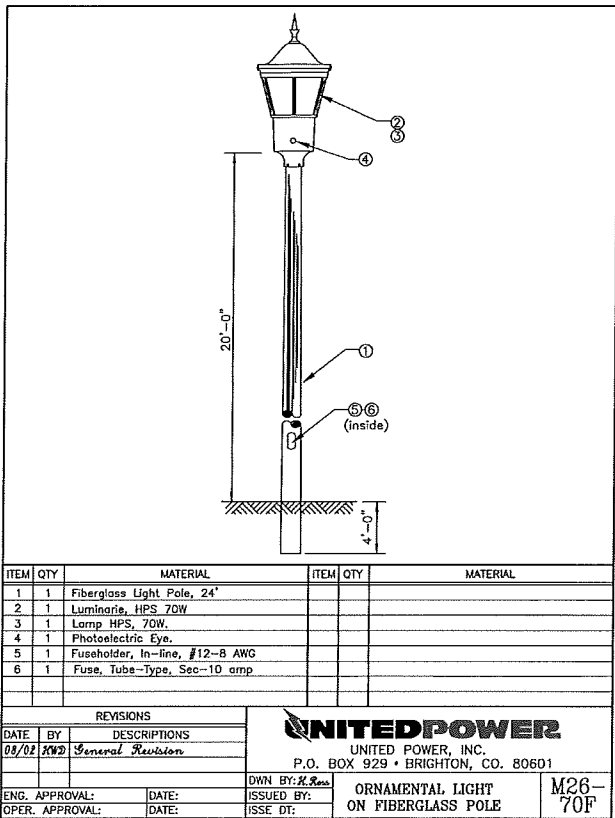
DRIP LINE BLOW-OUT STUB

14



RAIN SHUT OFF DEVICE

15



70 WATT POST TOP LIGHT

16



TYPICAL MAIL BOX CLUSTER

17

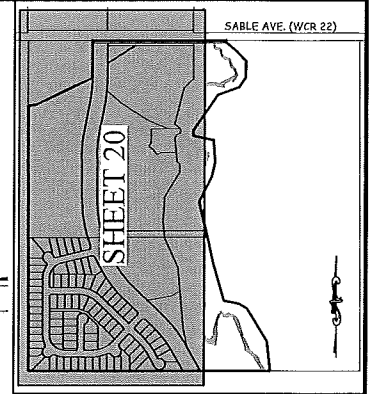
TECHNICAL CONSULTANT & PREPARED BY:
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8604

FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	FILING NO. 1
PHASE NUMBER:	
SHEET TITLE:	MISCELLANEOUS DETAILS
PREPARATION DATE:	6/29/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/11/2018
REVISION DATE:	
REVISION DATE:	
SHEET 19 OF 26	

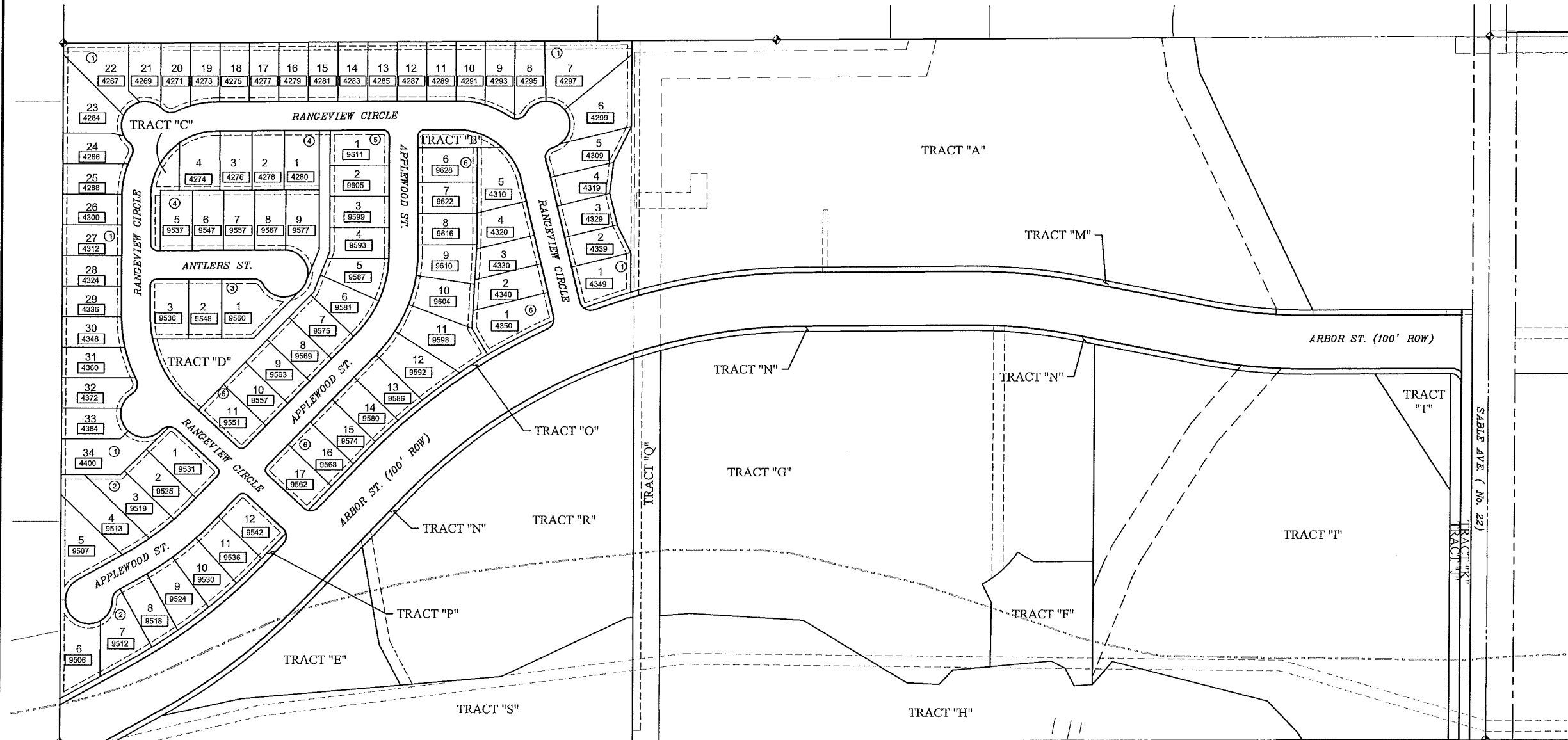


Know what's below.
Call before you dig.

FINAL DEVELOPMENT PLAN
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 20 OF 26

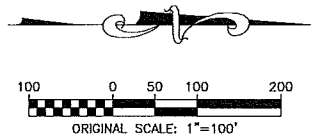


KEY MAP



- NOTE:
1. ADDRESSES SUBJECT TO REVISION AT THE DIRECTION OF THE TOWN, EMERGENCY OPERATIONS, OR THE POST OFFICE.
2. NO DIRECT DRIVEWAY ACCESS FROM LOT TO ARBOR STREET.

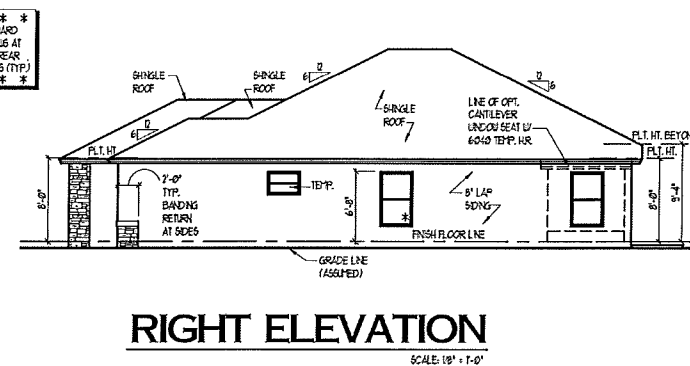
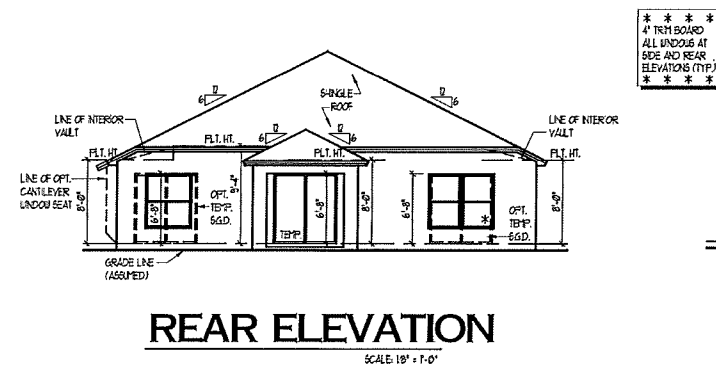
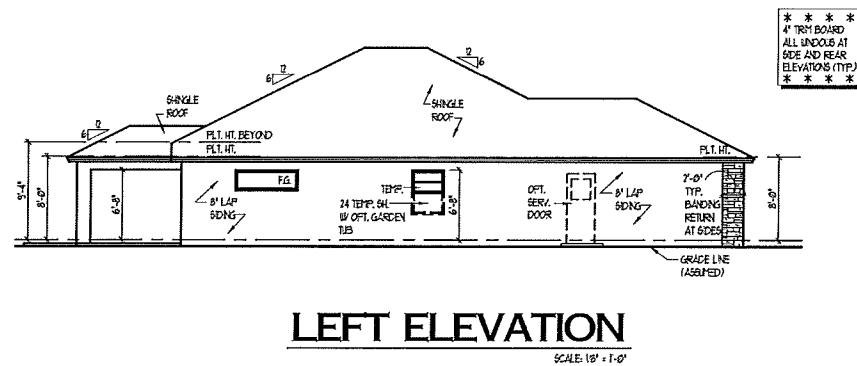
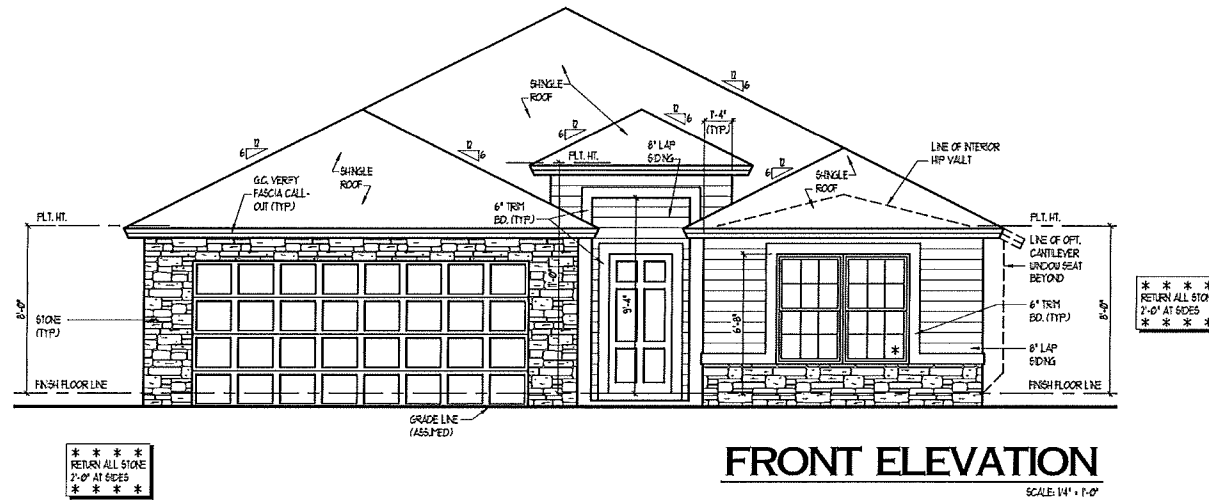
BLOCK	LOT	STREET ADDRESS	BLOCK	LOT	STREET ADDRESS	BLOCK	LOT	STREET ADDRESS
1	1	4349 RANGEVIEW CIRCLE	2	1	9531 APPLEWOOD STREET	6	1	4350 RANGEVIEW CIRCLE
1	2	4339 RANGEVIEW CIRCLE	2	2	9525 APPLEWOOD STREET	6	2	4340 RANGEVIEW CIRCLE
1	3	4329 RANGEVIEW CIRCLE	2	3	9519 APPLEWOOD STREET	6	3	4330 RANGEVIEW CIRCLE
1	4	4319 RANGEVIEW CIRCLE	2	4	9513 APPLEWOOD STREET	6	4	4320 RANGEVIEW CIRCLE
1	5	4309 RANGEVIEW CIRCLE	2	5	9507 APPLEWOOD STREET	6	5	4310 RANGEVIEW CIRCLE
1	6	4299 RANGEVIEW CIRCLE	2	6	9506 APPLEWOOD STREET	6	6	9628 APPLEWOOD STREET
1	7	4297 RANGEVIEW CIRCLE	2	7	9512 APPLEWOOD STREET	6	7	9622 APPLEWOOD STREET
1	8	4295 RANGEVIEW CIRCLE	2	8	9518 APPLEWOOD STREET	6	8	9616 APPLEWOOD STREET
1	9	4293 RANGEVIEW CIRCLE	2	9	9524 APPLEWOOD STREET	6	9	9610 APPLEWOOD STREET
1	10	4291 RANGEVIEW CIRCLE	2	10	9530 APPLEWOOD STREET	6	10	9604 APPLEWOOD STREET
1	11	4289 RANGEVIEW CIRCLE	2	11	9536 APPLEWOOD STREET	6	11	9598 APPLEWOOD STREET
1	12	4287 RANGEVIEW CIRCLE	2	12	9542 APPLEWOOD STREET	6	12	9592 APPLEWOOD STREET
1	13	4285 RANGEVIEW CIRCLE	3	1	9560 ANTLERS STREET	6	13	9586 APPLEWOOD STREET
1	14	4283 RANGEVIEW CIRCLE	3	2	9548 ANTLERS STREET	6	14	9580 APPLEWOOD STREET
1	15	4281 RANGEVIEW CIRCLE	3	3	9536 ANTLERS STREET	6	15	9574 APPLEWOOD STREET
1	16	4279 RANGEVIEW CIRCLE	4	1	4280 RANGEVIEW CIRCLE	6	16	9568 APPLEWOOD STREET
1	17	4277 RANGEVIEW CIRCLE	4	2	4278 RANGEVIEW CIRCLE	6	17	9562 APPLEWOOD STREET
1	18	4275 RANGEVIEW CIRCLE	4	3	4276 RANGEVIEW CIRCLE			
1	19	4273 RANGEVIEW CIRCLE	4	4	4274 RANGEVIEW CIRCLE			
1	20	4271 RANGEVIEW CIRCLE	4	5	9537 ANTLERS STREET			
1	21	4269 RANGEVIEW CIRCLE	4	6	9547 ANTLERS STREET			
1	22	4267 RANGEVIEW CIRCLE	4	7	9557 ANTLERS STREET			
1	23	4264 RANGEVIEW CIRCLE	4	8	9567 ANTLERS STREET			
1	24	4266 RANGEVIEW CIRCLE	4	9	9577 ANTLERS STREET			
1	25	4268 RANGEVIEW CIRCLE	5	1	9611 APPLEWOOD STREET			
1	26	4300 RANGEVIEW CIRCLE	5	2	9605 APPLEWOOD STREET			
1	27	4312 RANGEVIEW CIRCLE	5	3	9599 APPLEWOOD STREET			
1	28	4324 RANGEVIEW CIRCLE	5	4	9593 APPLEWOOD STREET			
1	29	4336 RANGEVIEW CIRCLE	5	5	9587 APPLEWOOD STREET			
1	30	4348 RANGEVIEW CIRCLE	5	6	9581 APPLEWOOD STREET			
1	31	4360 RANGEVIEW CIRCLE	5	7	9575 APPLEWOOD STREET			
1	32	4372 RANGEVIEW CIRCLE	5	8	9569 APPLEWOOD STREET			
1	33	4384 RANGEVIEW CIRCLE	5	9	9563 APPLEWOOD STREET			
1	34	4400 RANGEVIEW CIRCLE	5	10	9557 APPLEWOOD STREET			
			5	11	9551 APPLEWOOD STREET			



TECHNICAL CONSULTANT & PREPARED BY:
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8604

FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	FILING NO. 1
PHASE NUMBER:	
SHEET TITLE:	ADDRESS MAP
PREPARATION DATE:	6/29/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/17/2018
REVISION DATE:	
REVISION DATE:	

FINAL DEVELOPMENT PLAN
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 21 OF 26



3 TREES
DESIGN & CONSTRUCTION, INC.
3009 SOUTH 10TH AVE
DENVER, CO 80202
303.443.1111
WWW.3TREESDESIGN.COM

JOB NUMBER: 31039
CAD FILE NAME: 1544ED
ISSUED: 03-31-04
REVISED:

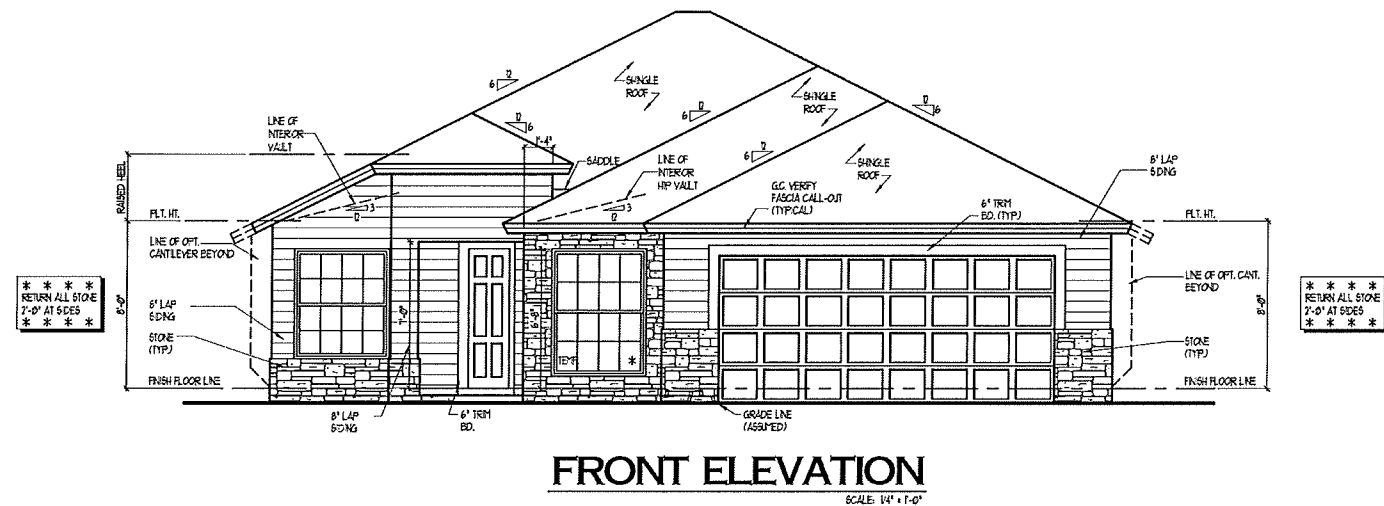
COTTONWOOD HOLLOW
FILING 1

1544

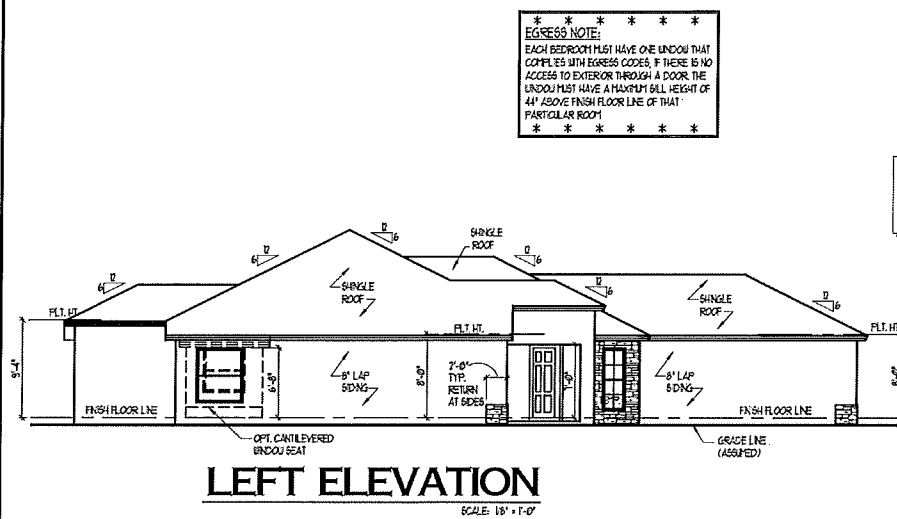
TITLE
ELEVATIONS
ROOF PLAN

TECHNICAL CONSULTANT & PREPARED BY:	
PARAGON ENGINEERING CONSULTANTS, INC. 7852 SOUTH ELATI STREET, SUITE 101 LITTLETON, CO 80120 303-794-8804	
FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	FILING NO. 1
PHASE NUMBER:	
SHEET TITLE:	BUILDING ELEVATIONS 1
PREPARATION DATE:	6/28/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/7/2018
REVISION DATE:	
REVISION DATE:	

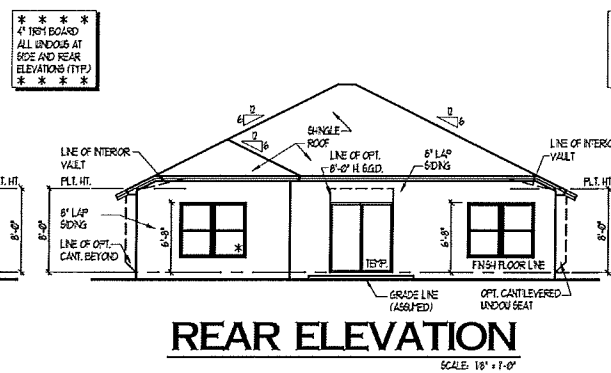
FINAL DEVELOPMENT PLAN
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 22 OF 26



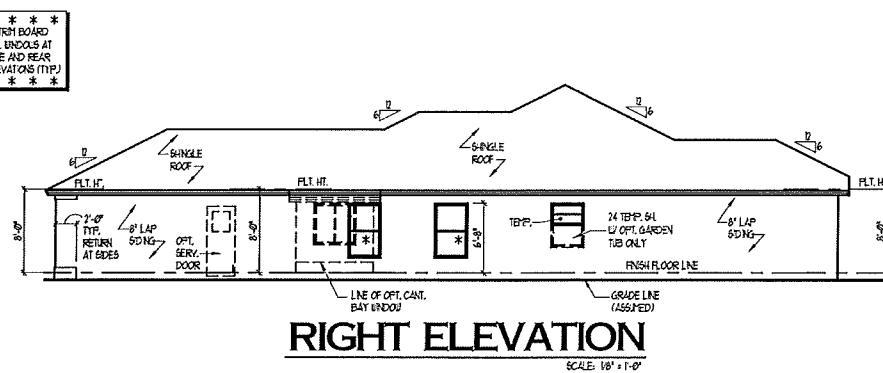
FRONT ELEVATION
SCALE: 1/4" = 1'-0"



LEFT ELEVATION
SCALE: 1/8" = 1'-0"



REAR ELEVATION
SCALE: 1/8" = 1'-0"



RIGHT ELEVATION
SCALE: 1/8" = 1'-0"

ELEVATION "A"

EGRESS NOTE:
EACH BEDROOM MUST HAVE ONE WINDOW THAT
COMPLETES WITH EGRESS CODES. IF THERE IS NO
ACCESS TO EXTERIOR THROUGH A DOOR, THE
WINDOW MUST HAVE A MAXIMUM RILL HEIGHT OF
44" ABOVE FINISH FLOOR LINE OF THAT
PARTICULAR ROOM.

4\"/>

4\"/>

TECHNICAL CONSULTANT & PREPARED BY:
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8604

FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	FILING NO. 1
PHASE NUMBER:	
SHEET TITLE:	BUILDING ELEVATIONS 2
PREPARATION DATE:	6/28/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/17/2018
REVISION DATE:	
REVISION DATE:	

SHEET 22 OF 28



JOB NUMBER: 31032
CAD FILE NAME: 1544ED
ISSUED: 03-31-04
REVISED:

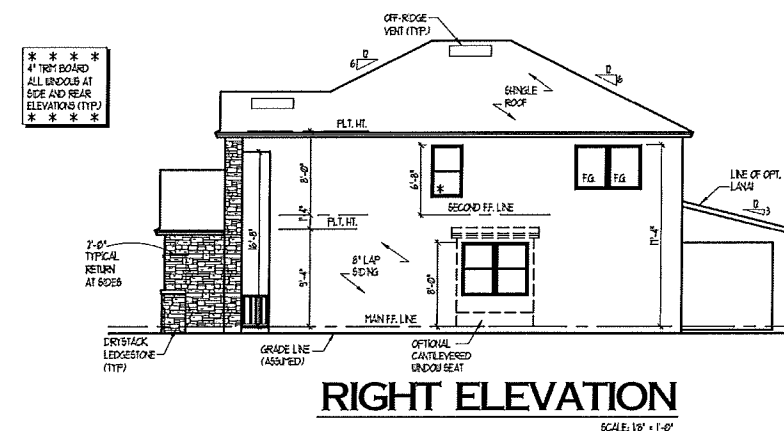
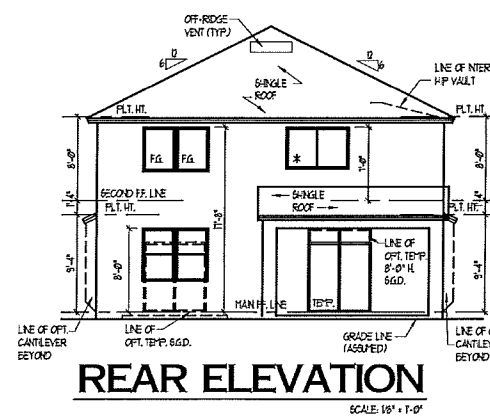
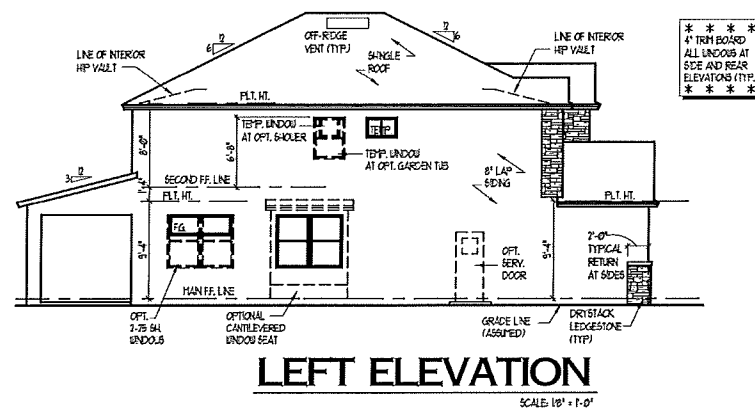
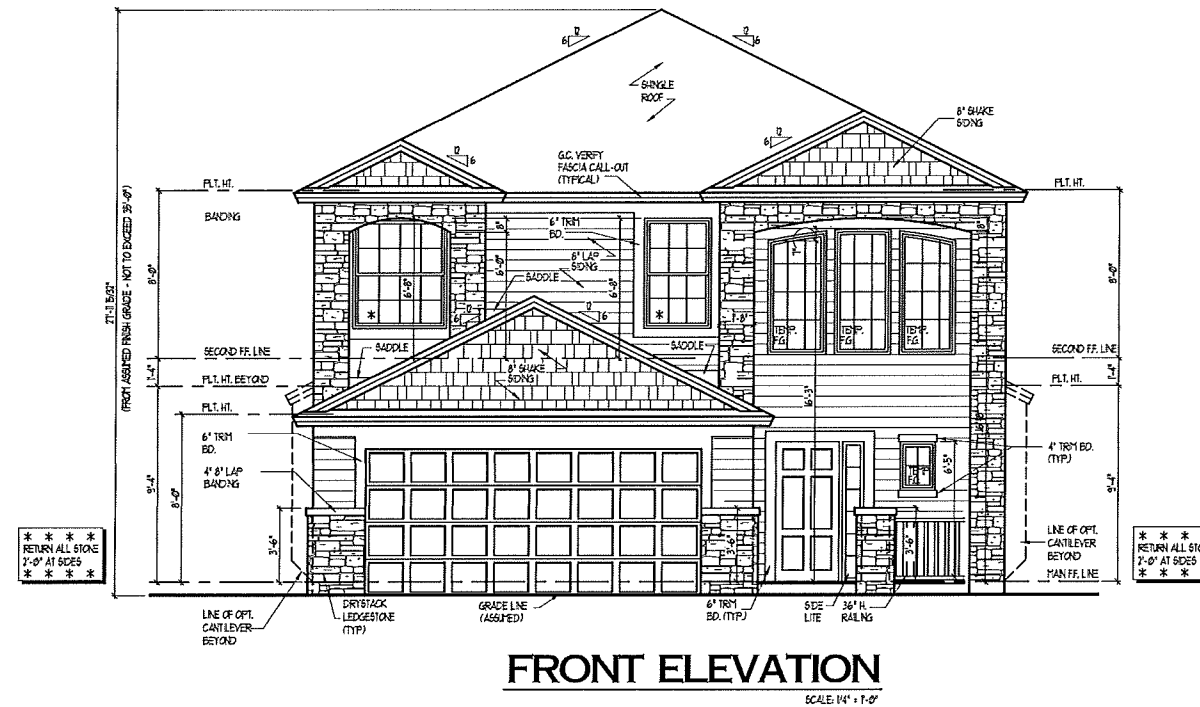


COTTONWOOD HOLLOW
FILING 1

1762

TITLE
ELEVATIONS
ROOF PLAN

FINAL DEVELOPMENT PLAN
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 23 OF 26



ELEVATION "C"



JOB NUMBER: 31039
CAD FILE NAME: 1544ED
ISSUED: 03-31-04
REVISED:



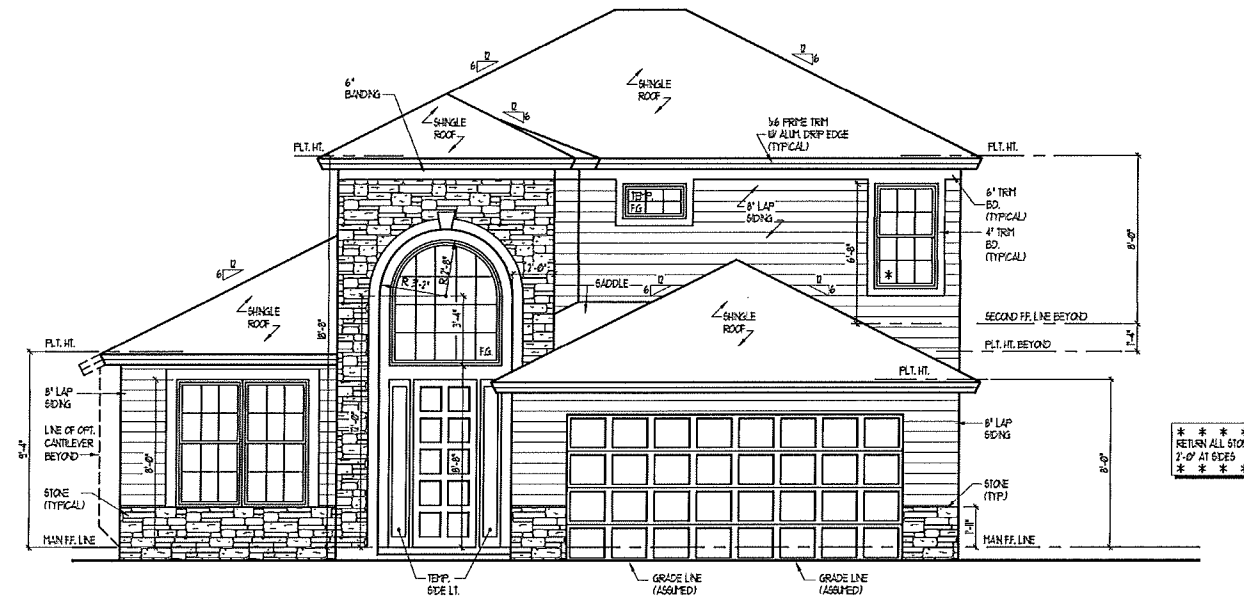
COTTONWOOD HOLLOW
FILING 1

2079

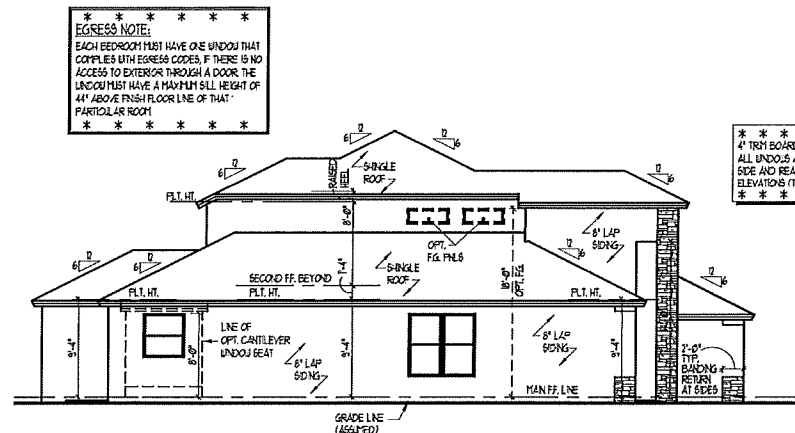
ELEVATIONS
ROOF PLAN

TECHNICAL CONSULTANT & PREPARED BY:	
PARAGON ENGINEERING CONSULTANTS, INC. 7852 SOUTH ELATI STREET, SUITE 101 LITTLETON, CO 80120 303-794-8604	
FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	FILING NO. 1
PHASE NUMBER:	
SHEET TITLE:	BUILDING ELEVATIONS 3
PREPARATION DATE:	6/29/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/1/2018
REVISION DATE:	
SHEET 23 OF 26	

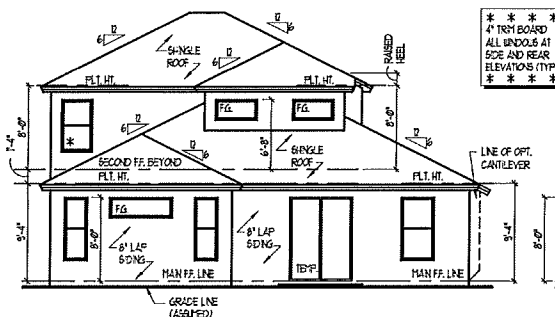
FINAL DEVELOPMENT PLAN
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 24 OF 26



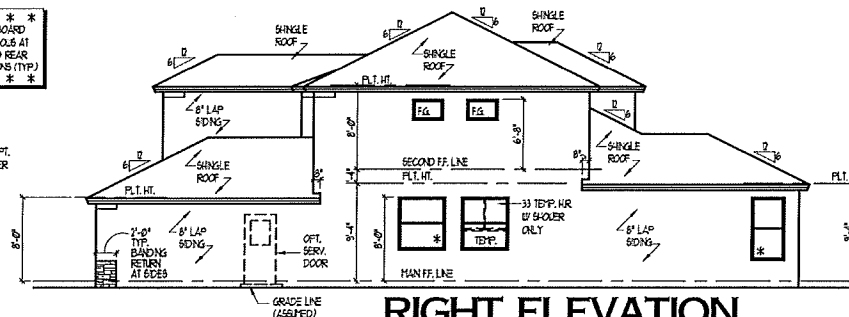
FRONT ELEVATION
SCALE: 1/4\"/>



LEFT ELEVATION
SCALE: 1/8\"/>



REAR ELEVATION
SCALE: 1/8\"/>



RIGHT ELEVATION
SCALE: 1/8\"/>

ELEVATION "A"



JOB NUMBER 31039
JOB FILE NAME 1544ED
ISSUED 03-31-04
REVISED

COTTONWOOD HOLLOW
FILING 1

2554

TITLE
ELEVATIONS
ROOF PLAN

TECHNICAL CONSULTANT & PREPARED BY:	
PARAGON ENGINEERING CONSULTANTS, INC. 7852 SOUTH ELATI STREET, SUITE 101 LITTLETON, CO 80120 303-794-8604	
FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	FILING NO. 1
PHASE NUMBER:	
SHEET TITLE:	BUILDING ELEVATIONS 4
PREPARATION DATE:	6/29/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/7/2018
REVISION DATE:	
SHEET 24 OF 26	

FINAL DEVELOPMENT PLAN
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 25 OF 26



JOB NUMBER 31039
CADD FILE NAME 1644ED
ISSUED 03-31-04
REVISED

COTTONWOOD HOLLOW
FILING 1

2958

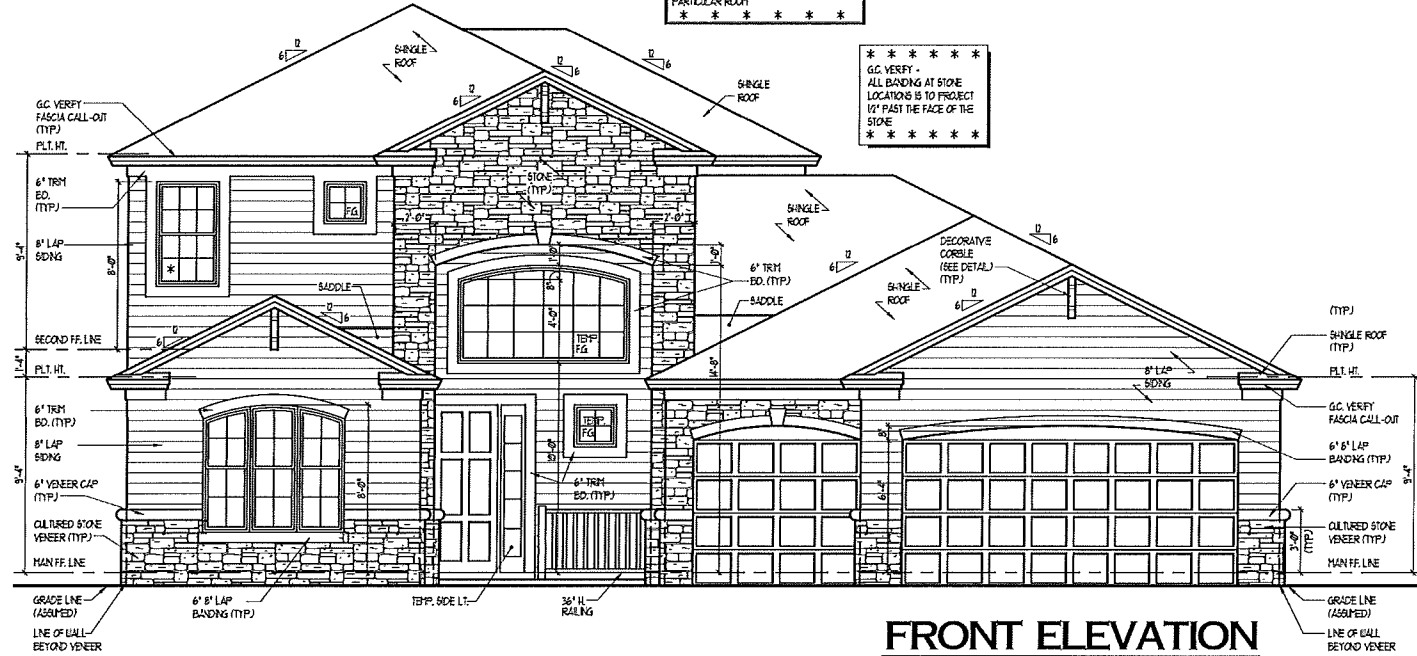
ELEVATIONS
ROOF PLAN

TECHNICAL CONSULTANT & PREPARED BY:
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8604

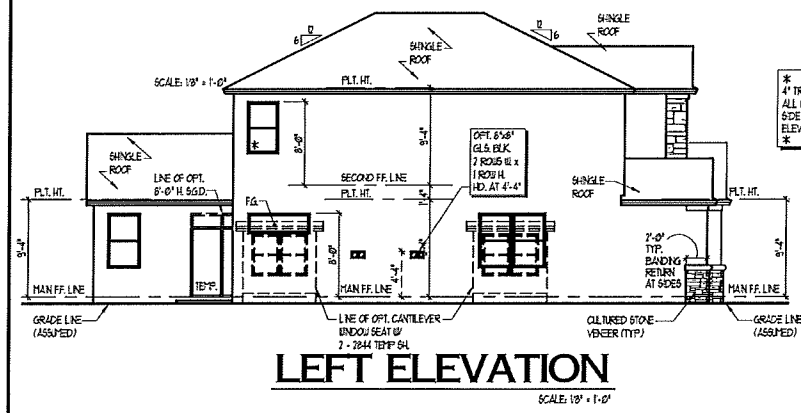
FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL DEVELOPMENT PLAN
FILING NUMBER:	FILING NO. 1
PHASE NUMBER:	
SHEET TITLE:	BUILDING ELEVATIONS 5
PREPARATION DATE:	6/29/2017
REVISION DATE:	11/28/2017
REVISION DATE:	3/12/2018
REVISION DATE:	6/7/2018
REVISION DATE:	
SHEET 25 OF 26	

EGRESS NOTE:
EACH BEDROOM MUST HAVE ONE UNDOU THAT
COMPLIES WITH EGRESS CODES. IF THERE IS NO
ACCESS TO EXTERIOR THROUGH A DOOR THE
UNDOU MUST HAVE A MAXIMUM GILL HEIGHT OF
44" ABOVE FINISH FLOOR LINE OF THAT
PARTICULAR ROOM

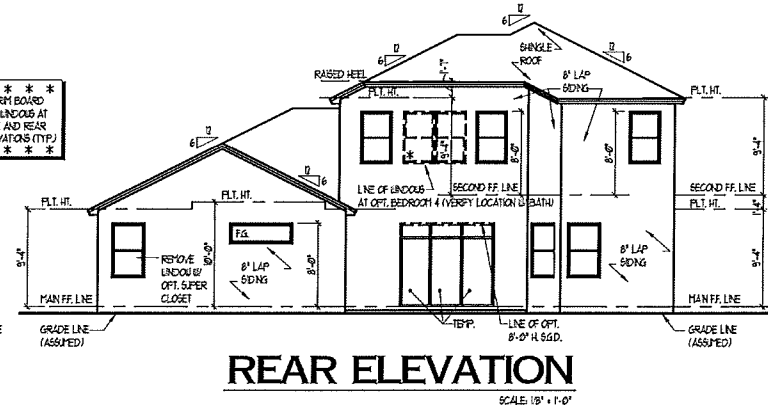
GC VERIFY -
ALL BANDING AT STONE
LOCATIONS IS TO PROJECT
1/8" PAST THE FACE OF THE
STONE



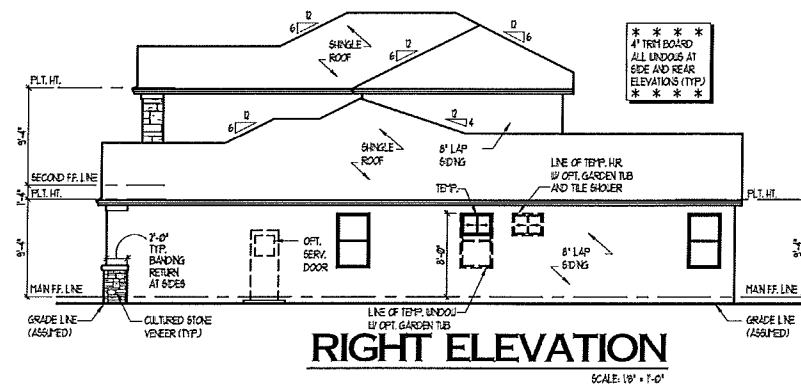
FRONT ELEVATION
SCALE: 1/4" = 1'-0"



LEFT ELEVATION
SCALE: 1/8" = 1'-0"



REAR ELEVATION
SCALE: 1/8" = 1'-0"



RIGHT ELEVATION
SCALE: 1/8" = 1'-0"

ELEVATION "C"

FINAL PLAT
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 1 OF 6

OWNERSHIP AND DEDICATION:

KNOW ALL MEN BY THESE PRESENTS, THAT THE UNDERSIGNED MORTGAGE CONSULTANTS, LLC., A COLORADO LIMITED LIABILITY COMPANY, BEING THE OWNER(S) OF THE LAND SHOWN IN THIS FINAL PLAT AND DESCRIBED AS FOLLOWS:

LEGAL DESCRIPTION:

A TRACT OF LAND LOCATED IN THE NORTH ONE-HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE SIXTH PRINCIPAL MERIDIAN, TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS;

COMMENCING AT THE NORTH ONE-QUARTER CORNER OF SAID SECTION 14 AND CONSIDERING THE NORTH LINE OF THE NORTHWEST QUARTER OF SAID SECTION 14 TO BEAR N90°00'00"W WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO;
THENCE S00°07'17"E A DISTANCE OF 30.00 FEET ALONG THE WEST LINE OF THE NORTHEAST ONE-QUARTER OF SAID SECTION 14, TO THE POINT OF BEGINNING ON THE SOUTH RIGHT-OF-WAY LINE OF WELD COUNTY ROAD NO. 22;
THENCE S89°55'22"E ALONG SAID SOUTH R.O.W. A DISTANCE OF 261.89 FEET;
THENCE S00°04'38"W A DISTANCE OF 20.00 FEET;
THENCE S50°34'57"E A DISTANCE OF 113.93 FEET;
THENCE S42°34'20"E A DISTANCE OF 107.53 FEET;
THENCE S01°45'32"W A DISTANCE OF 127.93 FEET;
THENCE S34°12'35"W A DISTANCE OF 86.45 FEET;
THENCE S70°27'39"W A DISTANCE OF 183.51 FEET;
THENCE S34°26'39"W A DISTANCE OF 345.89 FEET TO A POINT ON SAID WEST LINE OF THE NORTHEAST ONE-QUARTER;
THENCE S00°07'17"E, ALONG SAID WEST LINE, A DISTANCE OF 42.50 FEET;
THENCE S77°57'21"E A DISTANCE OF 163.26 FEET;
THENCE S04°09'08"E A DISTANCE OF 187.09 FEET;
THENCE S13°30'00"W A DISTANCE OF 100.66 FEET;
THENCE S26°11'10"W A DISTANCE OF 228.92 FEET;
THENCE S12°48'12"E A DISTANCE OF 504.03 FEET;
THENCE S16°18'30"E A DISTANCE OF 305.08 FEET;
THENCE S78°48'01"E A DISTANCE OF 123.20 FEET;
THENCE S59°38'36"E A DISTANCE OF 73.63 FEET;
THENCE S30°42'25"E A DISTANCE OF 310.05 FEET;
THENCE S05°54'04"E A DISTANCE OF 231.64 FEET TO A POINT ON THE SOUTH LINE OF SAID NORTHEAST ONE-QUARTER;
THENCE S89°55'12"W, ALONG SAID SOUTH LINE, A DISTANCE OF 608.63 FEET TO THE SOUTHWEST CORNER OF SAID NORTHEAST ONE-QUARTER;
THENCE S89°55'54"W, ALONG THE SOUTH LINE OF THE EAST ONE-HALF OF THE NORTHWEST ONE-QUARTER OF SAID SECTION 14, A DISTANCE OF 1303.91 FEET TO THE SOUTHWEST CORNER OF EAST ONE-HALF;
THENCE N00°15'46"W ALONG THE WEST LINE OF SAID EAST ONE-HALF, A DISTANCE OF 1,329.41 FEET TO THE NORTHWEST SIXTEENTH CORNER OF SAID SECTION 14;
THENCE N00°15'46"W, CONTINUING ALONG SAID WEST LINE OF THE EAST ONE-HALF, A DISTANCE OF 778.36 FEET;
THENCE N81°08'34"E A DISTANCE OF 63.99 FEET;
THENCE N64°18'44"E A DISTANCE OF 492.53 FEET;
THENCE N00°15'47"W A DISTANCE OF 297.70 FEET TO SAID SOUTH RIGHT-OF-WAY LINE OF WELD COUNTY ROAD NO. 22;
THENCE S90°00'00"E ALONG SAID SOUTH RIGHT-OF-WAY LINE, A DISTANCE OF 802.30 FEET TO THE POINT OF BEGINNING,

CONTAINING 3,881,924 SQUARE FEET OR 89.12 ACRES OF LAND, MORE OR LESS

HAVE LAID OUT, SUBDIVIDED AND PLATTED SAID LAND AS PER DRAWING HEREON CONTAINED UNDER THE NAME AND STYLE OF COTTONWOOD HOLLOW, FILING 1, A SUBDIVISION OF A PART OF THE TOWN OF FIRESTONE, COUNTY OF WELD, STATE OF COLORADO, AND BY THESE PRESENTS DO HEREBY DEDICATE TO THE TOWN OF FIRESTONE THE STREETS, AVENUES, AND TRACTS "E", "F", "K", AND "L" AS SHOWN ON THE ACCOMPANYING PLAT FOR THE PUBLIC USE THEREOF FOREVER AND DOES FURTHER DEDICATE TO THE USE OF THE TOWN OF FIRESTONE AND ALL SERVING PUBLIC UTILITIES AND OTHER APPROPRIATE ENTITIES THOSE PORTIONS OF SAID REAL PROPERTY WHICH ARE SO DESIGNATED AS EASEMENTS AS SHOWN.

IT IS EXPRESSLY UNDERSTOOD AND AGREED BY THE UNDERSIGNED THAT ALL EXPENSES AND COSTS INVOLVED IN CONSTRUCTING AND INSTALLING SANITARY SEWER SYSTEM WORKS AND LINES, WATER SYSTEM WORKS AND LINES, GAS SERVICE LINES, ELECTRICAL SERVICE WORKS AND LINES, LANDSCAPING, CURBS, GUTTERS, STREET PAVEMENT, SIDEWALKS, AND OTHER SUCH UTILITIES AND SERVICES SHALL BE GUARANTEED AND PAID FOR BY THE SUBDIVIDER OR ARRANGEMENTS MADE BY THE SUBDIVIDER THEREOF WHICH ARE APPROVED BY THE TOWN OF FIRESTONE, COLORADO, AND SUCH SUMS SHALL NOT BE PAID BY THE TOWN OF FIRESTONE, AND THAT ANY ITEM SO CONSTRUCTED OR INSTALLED WHEN ACCEPTED BY THE TOWN OF FIRESTONE SHALL BECOME THE SOLE PROPERTY OF SAID TOWN OF FIRESTONE, COLORADO, EXCEPT PRIVATE ROADWAY CURBS, GUTTER AND PAVEMENT AND ITEMS OWNED BY MUNICIPALITY FRANCHISED UTILITIES, OTHER SERVING PUBLIC ENTITIES AND/OR CENTURYLINK WHICH WHEN CONSTRUCTED OR INSTALLED SHALL REMAIN AND/OR BECOME THE PROPERTY OF SUCH MUNICIPALITY FRANCHISED UTILITIES, OTHER SERVING PUBLIC ENTITIES, AND/OR CENTURYLINK AND SHALL NOT BECOME THE PROPERTY OF THE TOWN OF FIRESTONE, COLORADO.

OWNER:

MORTGAGE CONSULTANTS, LLC., A COLORADO LIMITED LIABILITY COMPANY

BY

TITLE

NOTARY CERTIFICATE

STATE OF COLORADO)

COUNTY OF WELD) SS

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS ____ DAY OF _____, 20____ BY

AS _____ OF MORTGAGE CONSULTANTS, LLC., A COLORADO LIMITED LIABILITY COMPANY.

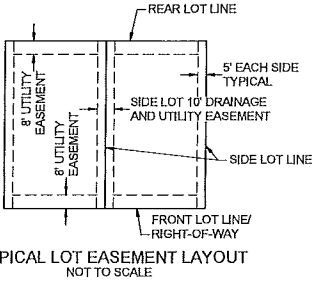
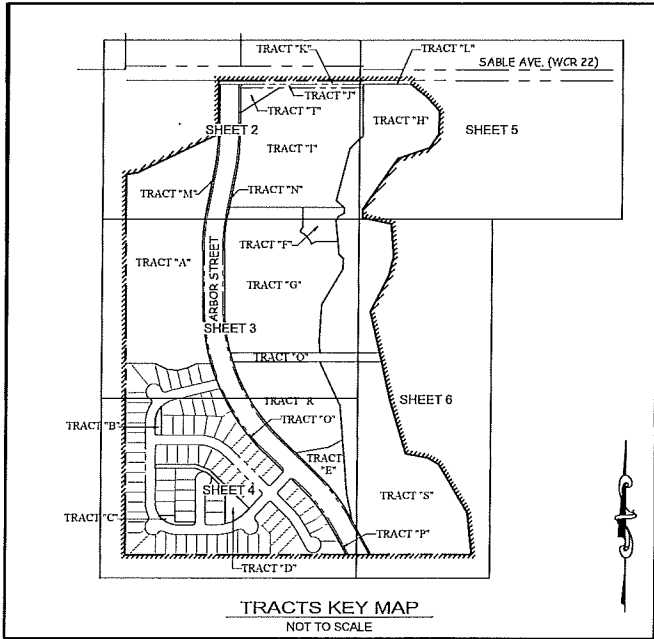
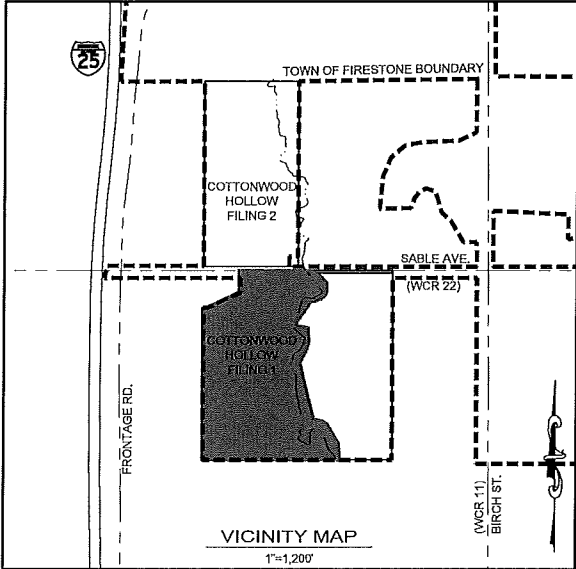
WITNESS MY HAND AND OFFICIAL SEAL.

NOTARY PUBLIC

MY COMMISSION EXPIRES

LENDER CONSENT:

THE UNDERSIGNED, DEL CAMINO EAST PROPERTIES, A COLORADO LIMITED LIABILITY COMPANY, AS THE BENEFICIARY OF A DEED OF TRUST RECORDED WITH THE WELD COUNTY CLERK AND RECORDER AT 4288571 AND THAT CONSTITUTES A LIEN UPON THE OWNER'S PROPERTY, HEREBY CONSENTS TO THE DEDICATION OF THE STREETS, AVENUES, EASEMENTS, OUTLOTS, TRACTS, AND OTHER PUBLIC PLACES AS SHOWN ON THIS FINAL PLAT OF COTTONWOOD HOLLOW, FILING 1, AND HEREBY FOREVER RELEASES SAID LANDS FROM SAID LIEN.



SHEET INDEX:

COVER SHEETSHEET 1

FILING 1 (SCALE 1"=50').....SHEETS 2-6

SURVEYORS CERTIFICATE:

I, JOHN E. KRATZ, A REGISTERED LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THE SURVEY OF COTTONWOOD HOLLOW, FILING 1, WAS MADE BY ME OR UNDER MY SUPERVISION ON OR ABOUT MARCH 30, 2017, AND THAT THE ACCOMPANYING PLAT ACCURATELY AND PROPERLY SHOWS SAID SUBDIVISION AND THE SURVEY THEREOF.

JOHN E. KRATZ

REGISTERED COLORADO LAND SURVEYOR No. 20142

DATE

NOTICE:

ACCORDING TO COLORADO LAW, YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON.

TOWN APPROVAL:

THIS IS TO CERTIFY THAT THE PLAT OF COTTONWOOD HOLLOW, FILING 1 WAS APPROVED ON THIS ____ DAY OF _____, 20____ BY RESOLUTION NO. ____ AND THAT THE MAYOR OF THE TOWN OF FIRESTONE ON BEHALF OF THE TOWN OF FIRESTONE, HEREBY ACKNOWLEDGES SAID PLAT UPON WHICH THIS CERTIFICATE IS ENDORSED FOR ALL PURPOSES INDICATED THEREON.

MAYOR

ATTEST: TOWN CLERK

TABLE A

TRACT AREA AND OWNERSHIP / MAINTENANCE TABLE					
LOTS/TRACTS	AREA	%	OWNERSHIP	MAINTENANCE	USE
TRACT "A"	11.80 Acres	13.24	OWNER	OWNER	EC/OIL & GAS
TRACT "B"	0.10 Acres	0.11	(CHCRMD)	(CHCRMD)	OS/ EASEMENT
TRACT "C"	0.12 Acres	0.13	(CHCRMD)	(CHCRMD)	OS/ EASEMENT
TRACT "D"	0.56 Acres	0.63	(CHCRMD)	(CHCRMD)	OS/ PARK / DRAINAGE
TRACT "E"	1.09 Acres	1.22	TOWN OF FIRESTONE	(CHCRMD)	DETENTION POND
TRACT "F"	0.87 Acres	0.98	TOWN OF FIRESTONE	(CHCRMD)	DETENTION POND
TRACT "G"	10.00 Acres	11.22	OWNER	OWNER	R-B/RESIDENTIAL (FUTURE)
TRACT "H"	10.18 Acres	11.42	(CHCRMD)	(CHCRMD)	OS/ EASEMENT
TRACT "I"	9.34 Acres	10.48	OWNER	OWNER	R-C/RESIDENTIAL (FUTURE)
TRACT "J"	0.31 Acres	0.35	(CHCRMD)	(CHCRMD)	OS/ LANDSCAPE
TRACT "K"	0.37 Acres	0.42	TOWN OF FIRESTONE	TOWN OF FIRESTONE	DEDICATED R.O.W.
TRACT "L"	0.12 Acres	0.13	TOWN OF FIRESTONE	TOWN OF FIRESTONE	DEDICATED R.O.W.
TRACT "M"	0.38 Acres	0.43	(CHCRMD)	(CHCRMD)	OS/ LANDSCAPE
TRACT "N"	0.86 Acres	0.74	(CHCRMD)	(CHCRMD)	OS/ LANDSCAPE
TRACT "O"	0.13 Acres	0.15	(CHCRMD)	(CHCRMD)	OS/ LANDSCAPE
TRACT "P"	0.12 Acres	0.13	(CHCRMD)	(CHCRMD)	OS/ LANDSCAPE
TRACT "Q"	0.95 Acres	1.07	(CHCRMD)	(CHCRMD)	OS/ LANDSCAPE/EASEMENT
TRACT "R"	4.83 Acres	5.42	OWNER	OWNER	R-B/RESIDENTIAL (FUTURE)
TRACT "S"	11.11 Acres	12.47	(CHCRMD)	(CHCRMD)	OS/ LANDSCAPE
TRACT "T"	0.35 Acres	0.39	(CHCRMD)	(CHCRMD)	MONUMENT SIGN
88 LOTS	14.58 Acres	16.36	OWNERS	OWNERS	R-B/RESIDENTIAL
STREETS/R.O.W.	4.53 Acres	5.08	TOWN OF FIRESTONE	TOWN OF FIRESTONE	PUBLIC R.O.W.
ARBOR ST./R.O.W.	6.82 Acres	7.43	TOWN OF FIRESTONE	TOWN OF FIRESTONE	PUBLIC R.O.W.
TOTALS	89.12 Acres	100.00			

* (CHCRMD) = COTTONWOOD HOLLOW COMMERCIAL AND RESIDENTIAL METROPOLITAN DISTRICT

NOTES:

- THE SUBJECT PROPERTY LIES WITHIN A DESIGNATED ZONE "A" FLOODPLAIN PER FEMA FIRM MAP NUMBER 08123C1890E, EFFECTIVE DATE JANUARY 20, 2016.
- BASIS OF BEARING: BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 14, T.2S., R.68W., OF THE 6th P.M., ASSUMED TO BEAR N90°00'00"W BETWEEN THE MONUMENTS AS SHOWN HEREON.
- THE VARIABLE WIDTH SIGHT DISTANCE TRIANGLE EASEMENTS ARE A NO BUILD AREA AND RESTRICTS VEGETATION AND PERMANENT STRUCTURES MORE THAN THREE FEET TALL, EXCEPT FOR DECIDUOUS TREES AND OPEN RAIL FENCE.
- UTILITY EASEMENTS ARE FOR THE USE OF ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION. THESE EASEMENTS ARE LOCATED ON THE PRIVATE PROPERTY IMMEDIATELY ADJACENT TO BOTH SIDES OF PLATTED ROADWAYS AND LOTS. OTHER UTILITIES SHALL HAVE THE RIGHT TO CROSS AT SUBSTANTIALLY RIGHT ANGLES. THESE EASEMENTS, UNLESS OTHERWISE SPECIFIED, SHALL BE LOCATED AS FOLLOWS:
4.1. FRONT: EIGHT (8) FOOT WIDE, BEING COINCIDENT WITH AND ADJACENT TO THE STREETS RIGHT-OF-WAY.
4.2. REAR: EIGHT (8) FOOT WIDE, ALONG THE PERIMETER LOT.
4.3. SIDE: TEN (10) FOOT WIDE, BEING FIVE (5) FEET EACH SIDE OF COMMON SIDE LOT LINES.
- FIVE (5) FOOT WIDE EASEMENT FOR DRAINAGE PURPOSES ARE LOCATED ON BOTH SIDES OF ALL INTERIOR LOT LINES.
- TRACTS B, C, D, H, J, M, N, O, P, Q, S, AND T WILL BE OWNED AND MAINTAINED BY THE COTTONWOOD HOLLOW COMMERCIAL AND RESIDENTIAL METROPOLITAN DISTRICT (CHCRMD).
- TRACTS E AND F WILL BE MAINTAINED BY THE COTTONWOOD HOLLOW COMMERCIAL AND RESIDENTIAL METROPOLITAN DISTRICT (CHCRMD).

TECHNICAL CONSULTANT & PREPARED BY:



PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8604
CONTACT: WENDELL AYERS, PRESIDENT
EMAIL: WENDELL@PARAGONENG.COM

FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL PLAT
FILING NUMBER:	FILING 1
PHASE NUMBER:	
SHEET TITLE:	PLAT SHEET 1
PREPARATION DATE:	08/29/2017
REVISION DATE:	11/28/2017
REVISION DATE:	03/12/2018
REVISION DATE:	6/7/2018
REVISION DATE:	
REVISION DATE:	
SHEET 1 OF 6	

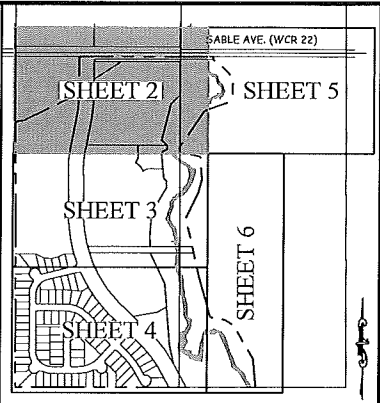
OWNER/ DEVELOPER:

MORTGAGE CONSULTANTS, LLC.
8400 EAST PRENTICE AVENUE, SUITE 1002
GREENWOOD VILLAGE, COLORADO 80111
PHONE: (303) 862-6024
CONTACT: OTTO AICHINGER
EMAIL: OTTO.AICHINGER@CALIBERHOMELANS.COM

SURVEYOR:

RED ROCK LAND SURVEYS, INC.
7885 W. ONTARIO PLACE
LITTLETON, CO 80128
PHONE: 303-894-6300
CONTACT: JOHN E. KRATZ
EMAIL: JKRAZ@REDROCKLANDSURVEYS.COM

FINAL PLAT
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 2 OF 6



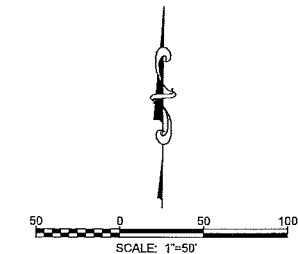
KEY MAP

LEGEND

- FOUND REBAR WITH 1/2" ALUM. CAP "LS 22576"
- △ FOUND REBAR WITH 1/2" ALUM. CAP "LS 25814"
- SET NO. 5 REBAR WITH YELLOW CAP "PLS 20142"
- ◆ FOUND ALIQUOT MONUMENT AS DESCRIBED
- ALIQUOT LINE
- EXISTING R.O.W.
- PROPERTY LINE
- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- PROPOSED TRACT / LOT LINE
- PROPOSED EASEMENT
- PROPOSED CENTERLINE OF R.O.W.
- PC, PT, POINT OF INTERSECTION, ETC.
- ① BLOCK NUMBER
- 28 LOT NUMBER
- SOTE SIGHT DISTANCE TRIANGLE
- (REC) EASEMENT
- (AM) RECORDED DISTANCE AS MEASURED

SEE SHEET 5

CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	CHORD
C1	42°05'28"	30.00	22.04	S20°46'57"W 21.55
C2	90°15'47"	20.00	31.51	S44°52'07"W 28.35

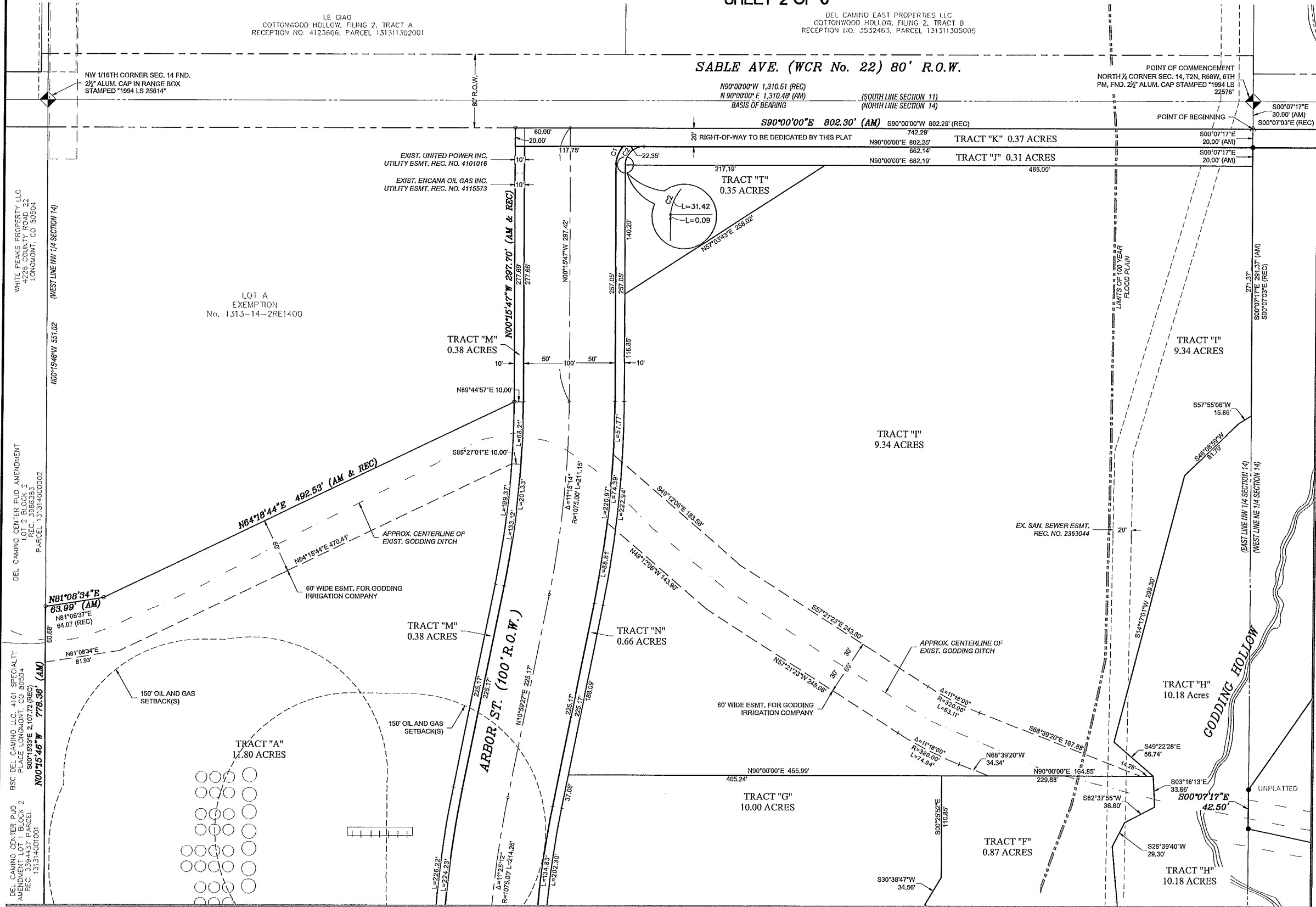


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CONTACT: WENDELL AYERS, PRESIDENT
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FIRESTONE INFORMATION BLOCK

NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL PLAT
FILING NUMBER:	FILING 1
PHASE NUMBER:	
SHEET TITLE:	PLAT SHEET 2
PREPARATION DATE:	06/29/2017
REVISION DATE:	11/28/2017
REVISION DATE:	03/12/2018
REVISION DATE:	08/07/2018
REVISION DATE:	

SHEET 2 OF 6



SEE SHEET 3

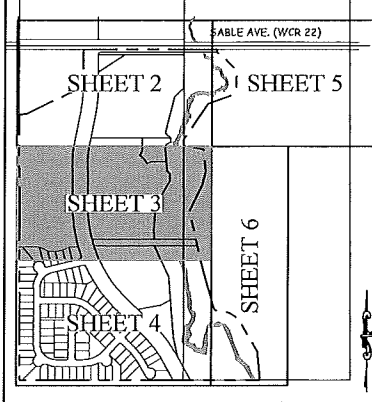
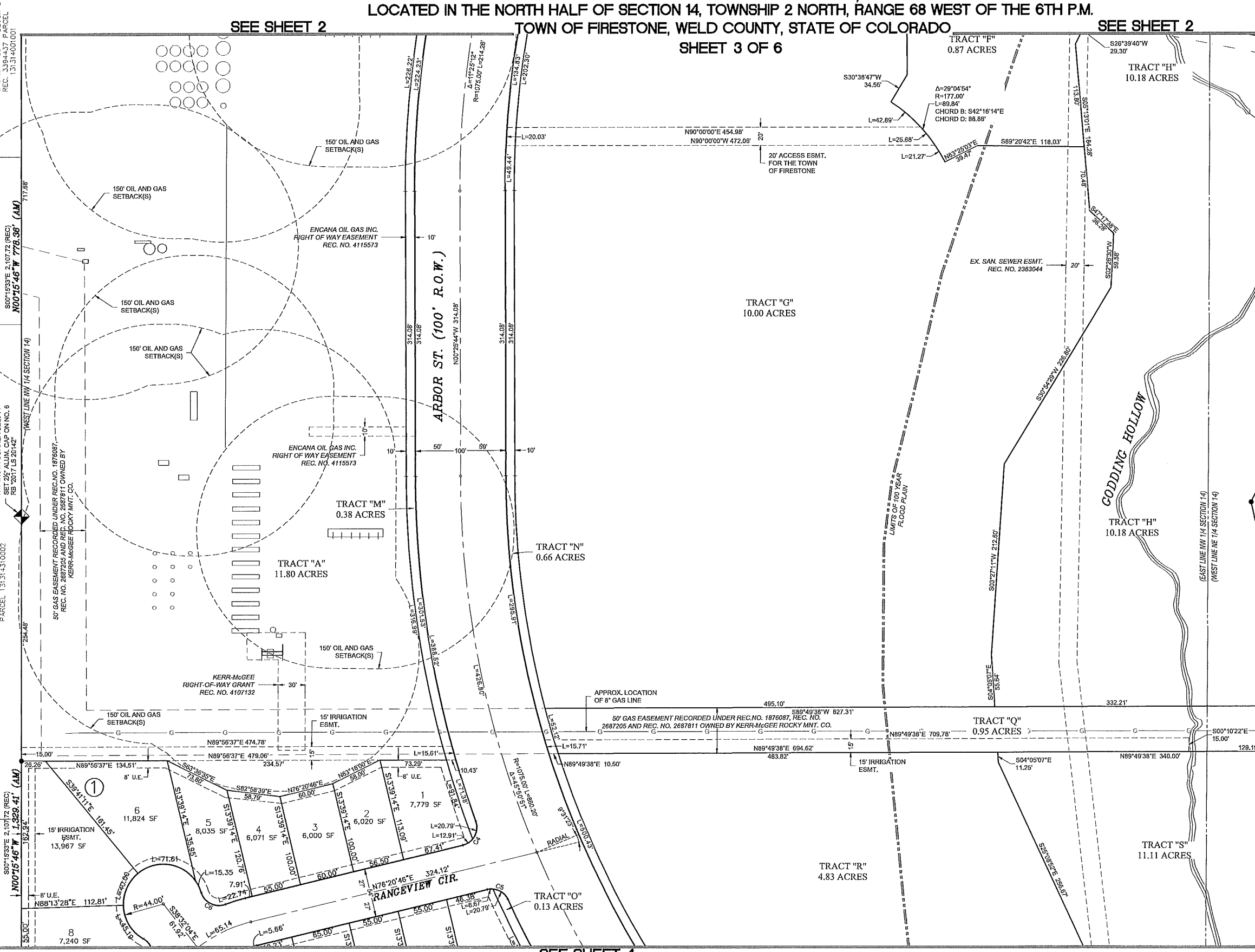
FINAL PLAT
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 3 OF 6

DEL CAMINO CENTER PUD
AMENDMENT LOT 1 BLOCK 2
REC. 3394437 PARCEL
131314001001

DEL CAMINO CENTER PUD AMENDMENT LOT 2
REC. 3394437 PARCEL
131314001000

LOT 2 DEL CAMINO CENTER PUD REPLAT LOT 2 BLOCK 2
REC. 3709649
PARCEL 13131400002

LOUI PROPERTIES INC.
LOCALITY FENCE
LONGMONT, CO 80504



LEGEND

- FOUND REBAR WITH 1/2" ALUM. CAP "LS 25614"
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- SET NO. 5 REBAR WITH YELLOW CAP "PLS 20142"
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- - - EXISTING EASEMENT
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- PC, PT, POINT OF INTERSECTION, ETC.
- ① BLOCK NUMBER
- 28 LOT NUMBER
- SDTE SIGHT DISTANCE TRIANGLE EASEMENT
- (REC) RECORDED DISTANCE
- (AM) AS MEASURED

NOTE:
THE VARIABLE WIDTH OF THE SIGHT TRIANGLE DISTANCE EASEMENT IS A NO-BUILD AREA AND RESTRICTS VEGETATION AND PERMANENT STRUCTURES MORE THAN THREE FEET TALL, EXCEPT FOR DECIDUOUS TREES AND OPEN RAIL FENCING.

		CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH	CHORD	CHORD
C4	96°33'44"	20.00	33.71	N28°03'54"E	29.86
C5	76°33'51"	20.00	26.73	N85°22'19"W	24.78
C6	94°33'49"	20.00	33.01	S63°43'57"E	29.39

TECHNICAL CONSULTANT & PREPARED BY:
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-784-8804
CONTACT: WENDELL AYERS, PRESIDENT
EMAIL: WENDELL@PARAGONENG.COM

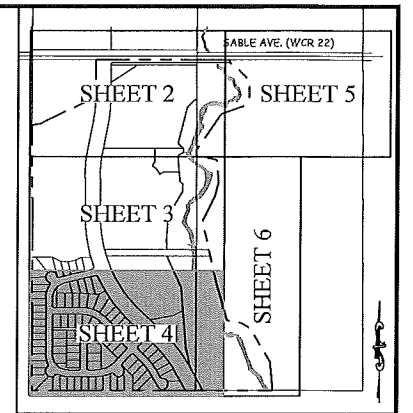
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NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL PLAT
FILING NUMBER:	FILING 1
PHASE NUMBER:	
SHEET TITLE:	PLAT SHEET 3
PREPARATION DATE:	06/29/2017
REVISION DATE:	11/28/2017
REVISION DATE:	03/12/2018
REVISION DATE:	05/07/2018
REVISION DATE:	

SHEET 3 OF 6

FINAL PLAT
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 4 OF 6

SEE SHEET 3



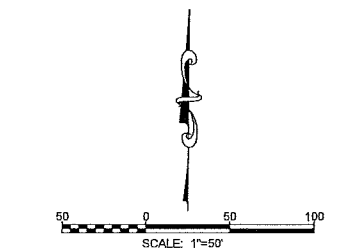
KEY MAP

CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	CHORD
C5	78°46'27"	20.00	27.50	N84°16'01"W 25.38
C6	94°33'49"	20.00	33.01	S63°43'57"E 29.39
C7	94°33'49"	20.00	33.01	N13°20'11"W 29.39
C8	90°00'00"	11.00	17.28	S45°15'46"E 15.56
C9	90°00'00"	11.00	17.28	S44°44'14"W 15.56
C10	74°20'37"	20.00	25.95	N10°56'25"E 24.17
C11	74°20'37"	20.00	25.95	S78°44'42"W 24.17
C12	90°12'40"	11.00	17.32	N44°50'34"E 15.58
C13	62°02'49"	20.00	21.66	S30°45'38"W 20.62
C14	89°47'20"	11.00	17.24	S45°09'26"E 15.53
C15	84°54'13"	20.00	29.64	N74°11'55"W 27.00
C16	88°49'56"	20.00	31.01	S01°45'15"E 27.99
C17	91°24'05"	11.00	17.55	S88°21'45"W 15.75
C18	62°02'49"	20.00	21.66	S60°05'40"E 20.62
C19	88°35'55"	11.00	17.01	S01°38'15"E 15.36
C20	88°35'55"	11.00	17.01	N01°38'15"W 15.36
C21	91°24'05"	11.00	17.55	N88°21'45"E 15.75
C22	88°52'04"	20.00	31.02	N01°50'30"W 28.00
C23	91°03'42"	20.00	31.79	S88°11'34"W 28.55

LEGEND

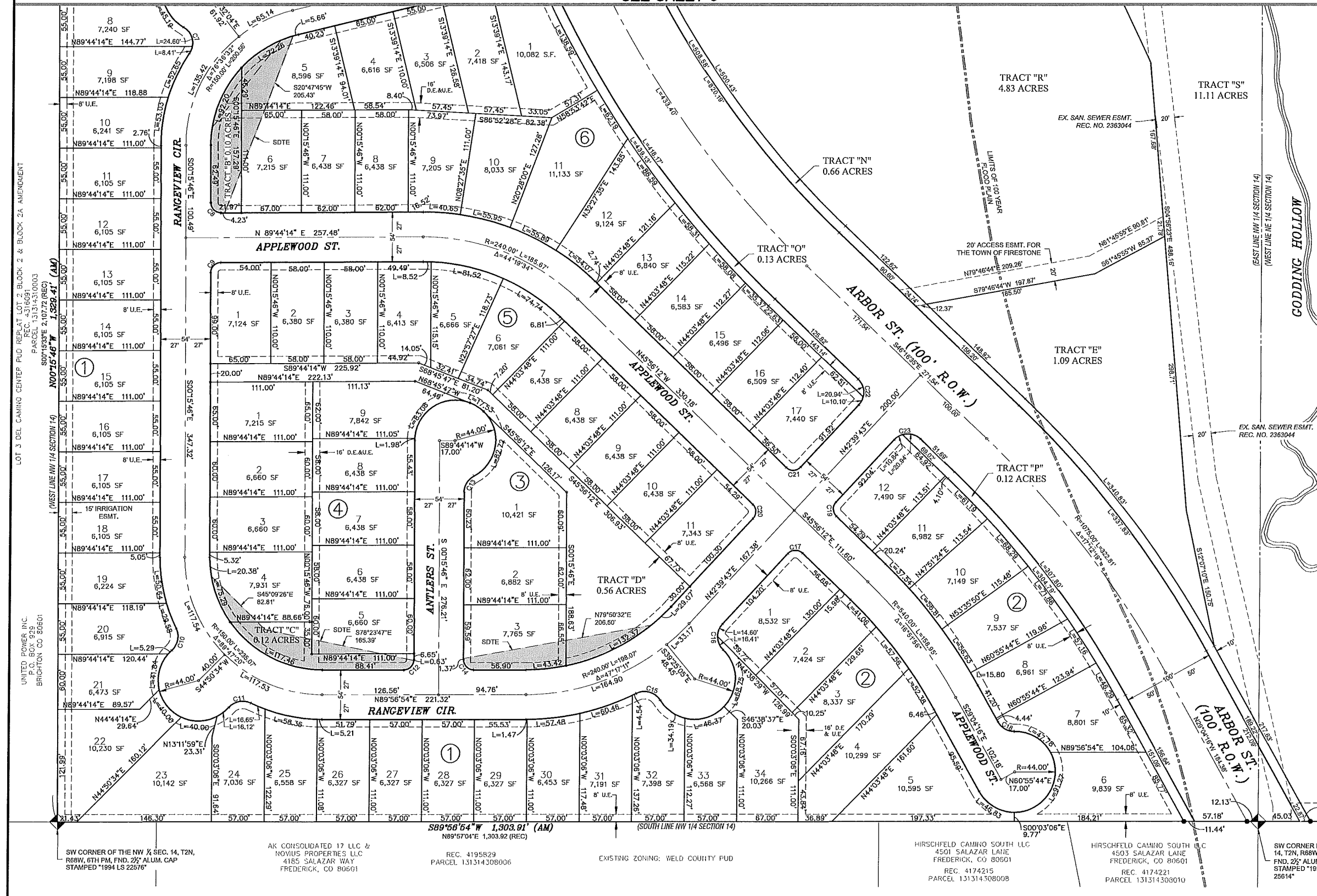
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- PC, PT, POINT OF INTERSECTION, ETC.
- ① BLOCK NUMBER
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- (REC) RECORDED DISTANCE
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TECHNICAL CONSULTANT & PREPARED BY:
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8884
CONTACT: WENDELL AYERS, PRESIDENT
EMAIL: WENDELL@PARAGONENG.COM

FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL PLAT
FILING NUMBER:	FILING 1
PHASE NUMBER:	
SHEET TITLE:	PLAT SHEET 4
PREPARATION DATE:	06/29/2017
REVISION DATE:	11/28/2017
REVISION DATE:	03/12/2018
REVISION DATE:	08/07/2018
REVISION DATE:	



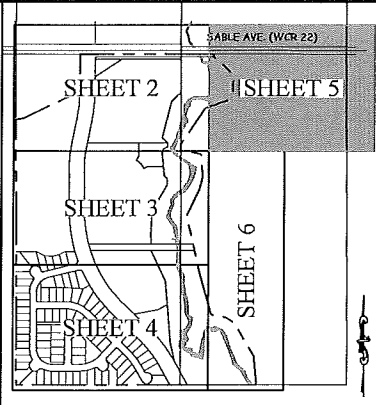
SEE SHEET 6

SEE SHEET 3

FINAL PLAT
COTTONWOOD HOLLOW, FILING 1
LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO
SHEET 5 OF 6

I & J PARTNERSHIP LP
47.39 WELD CO RD. 22
LONGMONT, CO 80504
REC: 3371373
PARCEL 131311400080

EXISTING ZONING: WELD COUNTY PUD
UNPLATTED

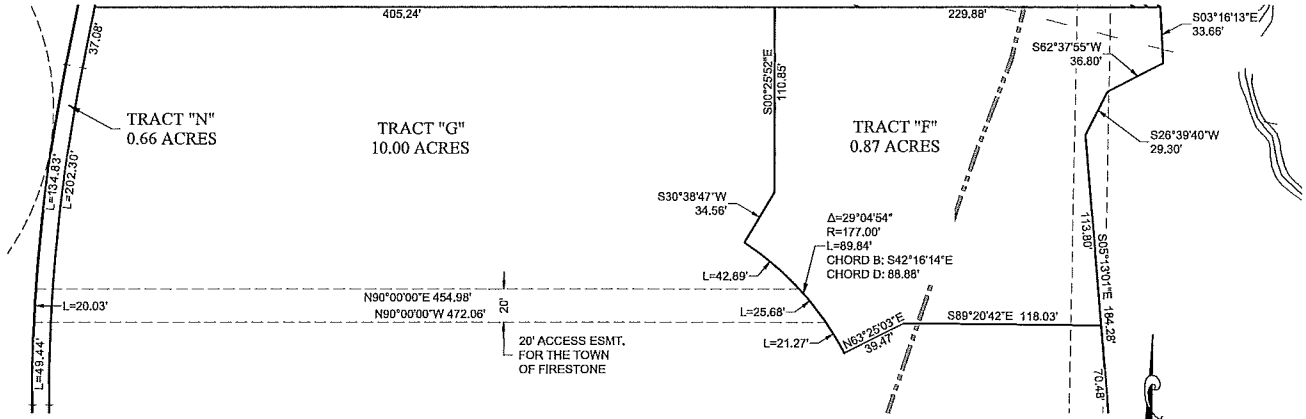
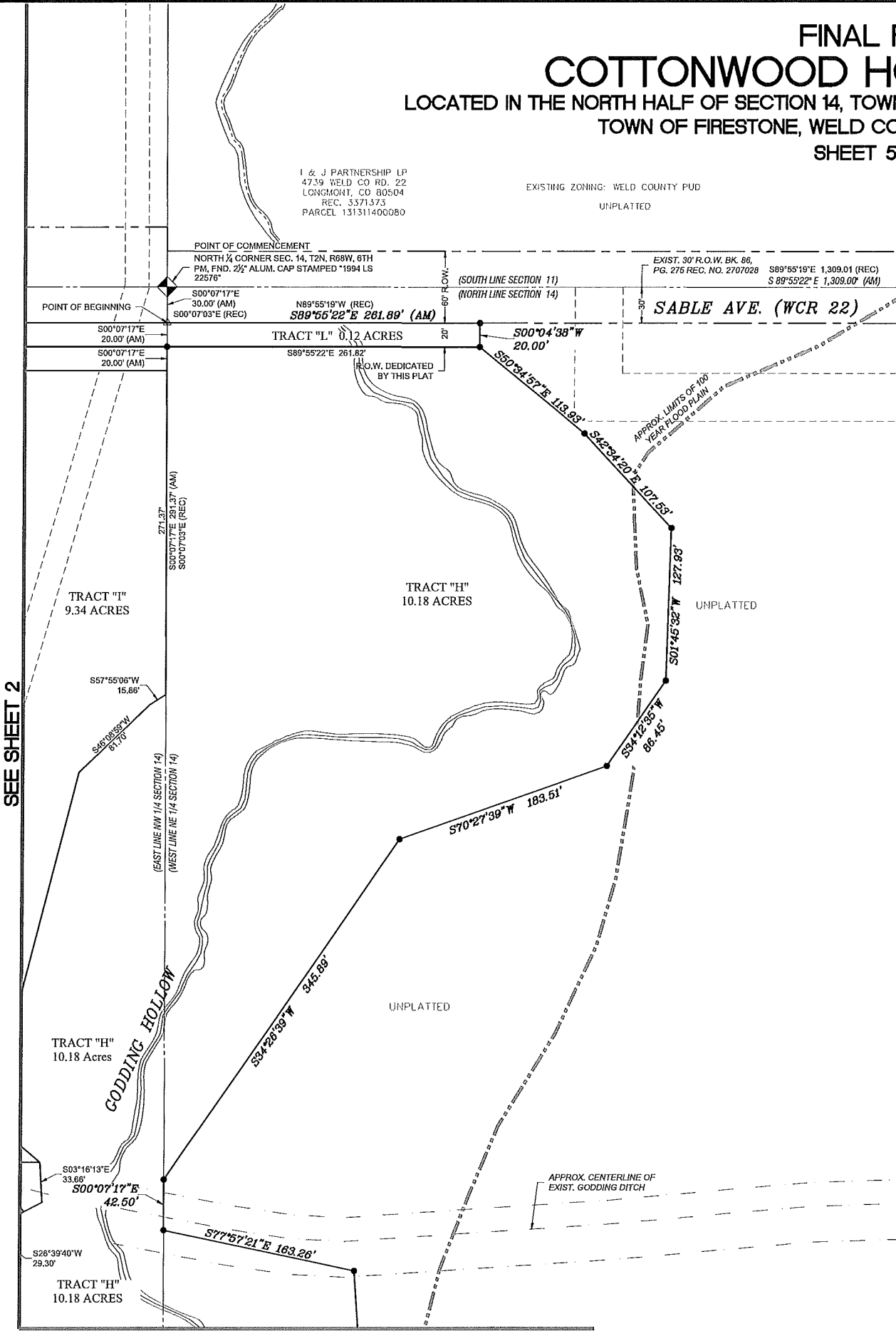


KEY MAP

LEGEND

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- SDTE SIGHT DISTANCE TRIANGLE
- (REC) EASEMENT
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SEE SHEET 2



SCALE: 1"=50'

TECHNICAL CONSULTANT & PREPARED BY:
PARAGON ENGINEERING CONSULTANTS, INC.
7852 SOUTH ELATI STREET, SUITE 101
LITTLETON, CO 80120 303-794-8604
CONTACT: WENDELL AYERS, PRESIDENT
EMAIL: WENDELL@PARAGONENG.COM

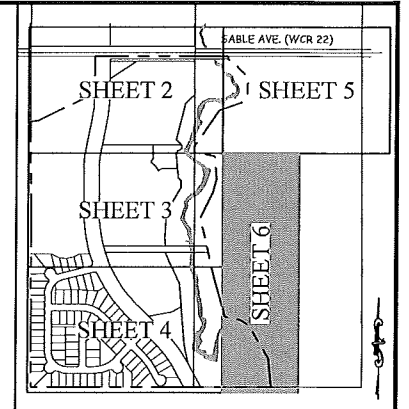
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TYPE OF SUBMITTAL:	FINAL PLAT
FILING NUMBER:	FILING 1
PHASE NUMBER:	
SHEET TITLE:	PLAT SHEET 5
PREPARATION DATE:	06/29/2017
REVISION DATE:	11/28/2017
REVISION DATE:	03/12/2018
REVISION DATE:	06/07/2018
REVISION DATE:	

SHEET 5 OF 6

FINAL PLAT COTTONWOOD HOLLOW, FILING 1

LOCATED IN THE NORTH HALF OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH P.M.
TOWN OF FIRESTONE, WELD COUNTY, STATE OF COLORADO

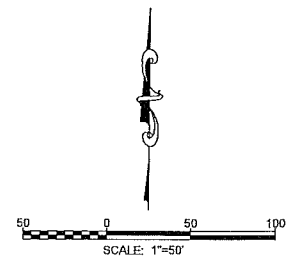
SHEET 6 OF 6



KEY MAP

LEGEND

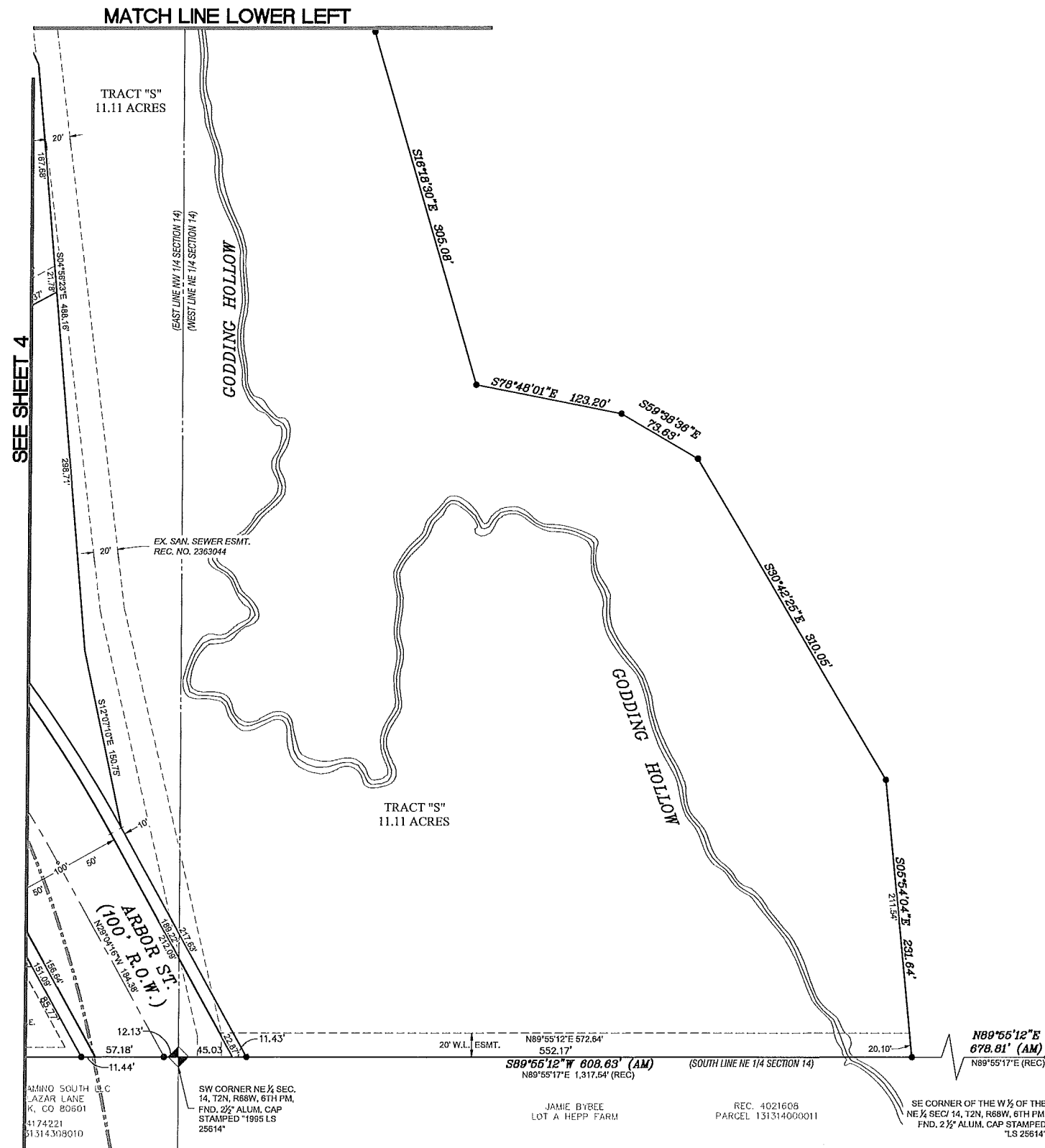
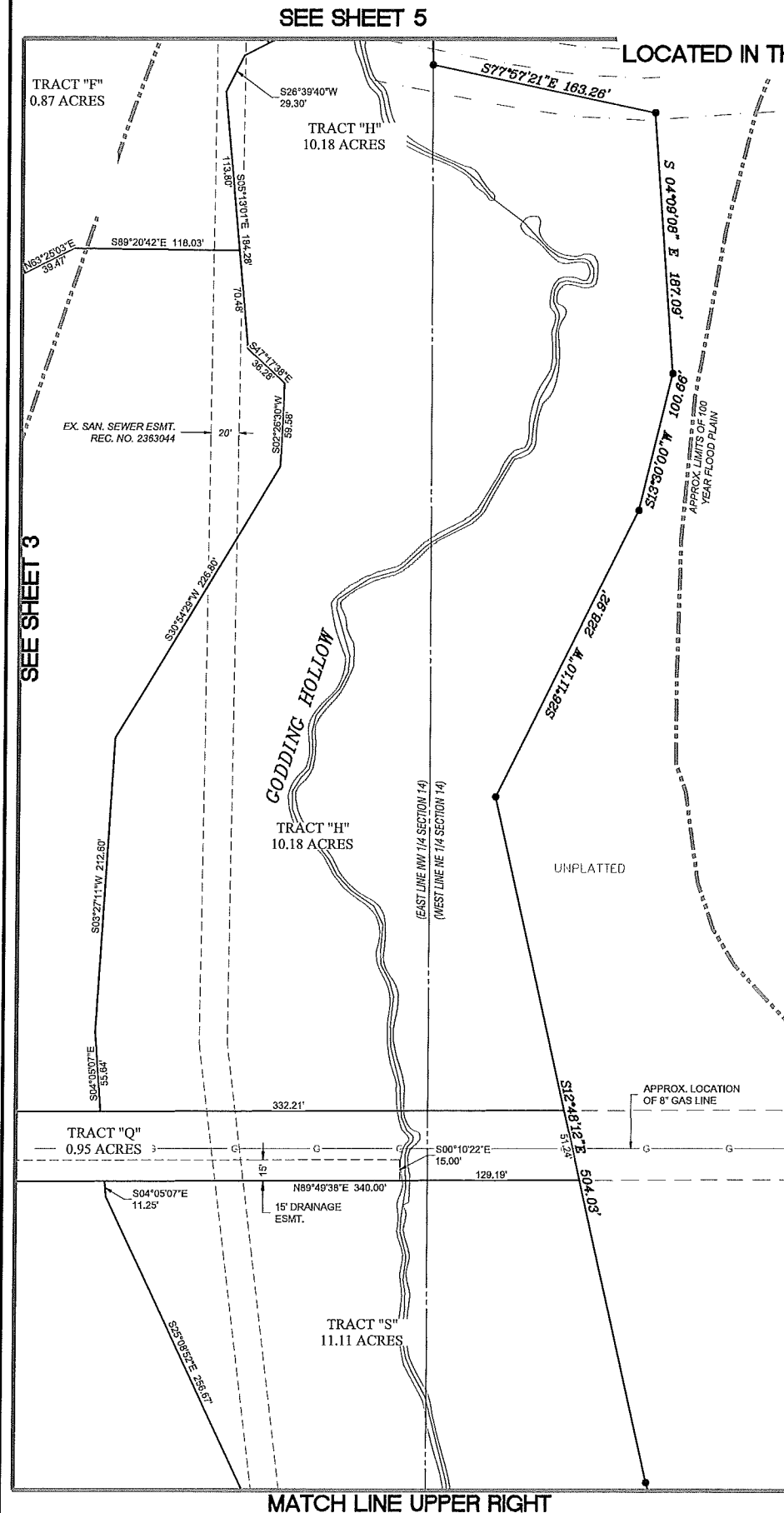
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LITTLETON, CO 80120 303-794-8604
CONTACT: WENDELL AYERS, PRESIDENT
EMAIL: WENDELL@PARAGONENG.COM

FIRESTONE INFORMATION BLOCK	
NAME OF SUBMITTAL:	COTTONWOOD HOLLOW
TYPE OF SUBMITTAL:	FINAL PLAT
FILING NUMBER:	FILING 1
PHASE NUMBER:	
SHEET TITLE:	PLAT SHEET 6
PREPARATION DATE:	08/23/2017
REVISION DATE:	11/28/2017
REVISION DATE:	03/12/2018
REVISION DATE:	06/07/2018
REVISION DATE:	

SHEET 6 OF 6





August 15, 2018

VIA E-MAIL

Planning and Zoning Commission – Town of Firestone
Attn: Tracey Case – Senior Planner
151 Grant Ave. P.O. Box 100
Firestone, CO 80520
tcase@firestoneco.gov

NOTICE OF OIL AND GAS LEASEHOLD INTERESTS AND RIGHT-OF-WAY
GRANT OWNED BY KERR-McGEE OIL & GAS ONSHORE LP

Re:
Cottonwood Hollow, Filing 1
Township 2 North, Range 68 West, 6th P.M.
Section 14: Part of the E2NW4 and the W2NE4
Weld County, Colorado

Ms. Case:

This letter is being submitted to the Town of Firestone (“Town”) by Kerr-McGee Oil & Gas Onshore LP (“KMOG”) and Kerr-McGee Gathering LLC (“KMGG”) to inform you KMOG is the owner of valid oil and gas leases underlying all or parts of Section 14, Township 2 North, Range 68 West (“Leased Lands”), and that KMGG is the owner of a valid easement and pipeline (#:16-15-1134-8-EXT-1) on the property for which Paragon Engineering Consultants, Inc. (“Applicant”) is seeking approval for the FDP, FUP, and Final Plats of the Cottonwood Hollow, Filing I (“Application”). KMOG and KMGG are submitting this comment timely, in accordance with State of Colorado and the Town’s procedural requirements.

KMOG’s recorded oil and gas leases are real property interests entitling it to produce oil and gas from the Leased Lands (and, as may be applicable, adjacent lands). The Company has the right to produce from existing wells, to maintain, rework, recomplete, and fracture those existing wells to enhance production, and to drill new wells to produce oil and gas, in accordance with applicable Colorado Oil and Gas Conservation Commission regulations and Colorado Statutes. KMOG’s oil and gas assets have significant value, and the Company is consequently concerned about any development, surface use, plan of use, PUD, zoning or rezoning, or other action by the Town that would impair or preclude its ability to develop its oil and gas interests. KMOG and KMGG do not object to the Applicant’s proposal providing it conforms to following agreements:

- Right-of-Way Grant that was recorded on December 3, 1981, with the Weld County Clerk and Recorder at reception number 1876087
- Amendment to Pipeline Right-of-Way Grant that was recorded on February 23, 1999, with the Weld County Clerk and Recorder at reception number 2674870
- Second Amendment to Right-of-Way Grant recorded on April 15, 1999, which the Weld County Clerk and Recorder at reception number 2687205

Please note that although KMOG and KMGG do not object to this application, we continue to assert our rights to make reasonable use of the surface of the property to develop our oil and gas leasehold and to operate and maintain pipelines.

Please contact me at 720-929-3321 if you have any questions or comments about this matter.

Sincerely,
KERR-MCGEE OIL & GAS ONSHORE LP

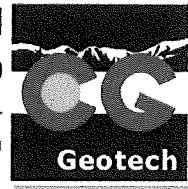
A handwritten signature in cursive script, appearing to read "Emma Vannoy".

Emma Vannoy
Landman

cc: Jeff Fiske, Lead Counsel
Ron Olsen
Brett Cavanagh
Don Jobe
Kelly Reyos

Cole Garner Geotechnical

1070 W. 124th Ave, Ste. 300
Westminster, CO 80234
303.996.2999



August 16, 2018

Mortgage Consultants, LLC
9116 W. Bowles Avenue, Unit 15
Littleton, Colorado 80123

Attn: Mr. Miles Grant

**Re: Below-Grade Building Construction
Cottonwood Hollow Mixed-Use Development
Weld County Road 22, e/o East Interstate 25 Frontage Road
Firestone, Colorado
CGG Project No. 17.22.216**

At your request, Cole Garner Geotechnical (CGG) has reviewed the findings in our Preliminary Geotechnical Engineering Report (GER) prepared for the site (CGG Project No. 17.22.216), dated March 15, 2018.

Groundwater was encountered in our borings (from our GER) immediately after drilling at depths ranging from about 5 to 17 feet below existing site grades. When checked a minimum of two weeks later, groundwater was measured at depths ranging from about 5 to 13-½ feet below existing site grades. **Groundwater observations (performed in November 2017) obtained from this study may not be indicative of seasonal "high water" conditions. Fluctuations in groundwater levels can typically be several feet. The shallow groundwater and lower strength soils associated with these areas will significantly impact site grading and infrastructure construction, depending on proposed site grade changes.**

Where basements are planned for the project, we typically recommend basement floor elevations be set at least 3 feet above groundwater elevation. In order to achieve the recommended separation above groundwater, significant earthen import fill will be needed to raise the site, which we understand will be cost-prohibitive for the project. In addition, installation of a permanent subdivision-wide underdrain/dewatering system will be needed to lower groundwater elevation and allow for basement construction. However, we understand that construction to a suitable outlet is generally not considered economically feasible within the property based on existing site topography.

In addition, construction in proximity to shallow groundwater will likely require stabilization of soft soils during site grading and infrastructure construction (utility installation and roadway construction), and foundation construction. **Grading plans, construction sequencing, and other aspects of the design and construction of the development should be prepared with due consideration given to the potential**

Geotechnical Engineering and Materials Testing

**Below-Grade Building Construction
Cottonwood Hollow Subdivision – Firestone, Colorado
CGG Project No. 17.22.216**

constraints and/or construction difficulties associated with these conditions (stabilization, construction dewatering, etc.).

Based on the conditions discussed above, we believe that utilizing more shallow foundations, such as crawlspace or slab-on-grade foundations (without basements), would be a more appropriate method for supporting homes on the subject site.

Design and construction recommendations as outlined in the GER should be followed for the project. We trust that the information presented herein will satisfy your present needs. Please do not hesitate to contact us if you have any questions concerning this letter or any of our testing, inspection, design and consulting services.

Sincerely,

Cole Garner Geotechnical



Glenn D. Ohlsen, P.E.
Project Engineer



Copies to: Addressee (1 PDF copy)

RESOLUTION NO. 18-31

A RESOLUTION APPROVING A FINAL PLAT AND FINAL DEVELOPMENT PLAN FOR COTTONWOOD HOLLOW, FILING 1

WHEREAS, there has been submitted to the Planning and Zoning Commission and Board of Trustees of the Town of Firestone a request for approval of a final plat and final development plan for Cottonwood Hollow, Filing 1; and

WHEREAS, all materials related to this application have been reviewed by Town Staff and found with conditions to be in compliance with Town of Firestone subdivision and zoning ordinances, Development Regulations, and related Town ordinances, regulations, and policies; and

WHEREAS, the Firestone Planning and Zoning Commission held a properly noticed public hearing on the application, and has forwarded to the Board of Trustees a recommendation of approval with conditions; and

WHEREAS, after a duly-noticed public hearing, at which evidence and testimony were entered into the record, the Board of Trustees finds the proposed final plat and final development plan should be approved, subject to certain conditions.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF FIRESTONE, COLORADO:

Section 1. The Final Plat and Final Development Plan for Cottonwood Hollow, Filing 1 are hereby approved, subject to the conditions set forth in Exhibit A attached hereto and incorporated herein by this reference.

PASSED AND ADOPTED this 22nd day of August, 2018.

Bobbi Sindelar, Mayor

ATTEST:

Leah Vanarsdall, Town Clerk

EXHIBIT A
Final Plat and Final Development Plan
Cottonwood Hollow, Filing 1
Conditions of Approval

General

1. Provide an updated title commitment when the mylars are provided for recording.
2. Execute a subdivision agreement, in a form to be approved by the Town Attorney.
3. Revise the plat and FDP to show flowlines and label required setbacks for all oil and gas facilities, including pipelines.
4. Provide evidence satisfactory to the Town of the oil and gas company's consent for the proposed improvements within the 50' gas easement (irrigation pipe/easement, sanitary sewer and underdrain).
5. Provide evidence satisfactory to the Town of the Godding Irrigation Ditch Company's consent, such as by a Ditch Crossing Agreement, to the installation of the box culvert under Arbor Street.
6. Provide evidence satisfactory to the Town of the Godding Irrigation Ditch Company's consent, such as by a Ditch Crossing Agreement, to the water line crossings.
7. Execute a special warranty deed conveying to the Town Tracts E, F, K and L free and clear of any liens or encumbrances, with title insurance using a land value of \$25,000 per acre.
8. Provide executed easements satisfactory to the Town for the following:
 - a. 12" water line from Sable Avenue north to the south end of Jake Jabs Boulevard in the future Arbor Street alignment, granted to the Town (or a special warranty deed conveying fee ownership to the Town of the ultimate Arbor Street right-of-way);
 - b. the water line that runs along the south and east of the property (outside the Filing 1 boundary) to the Sable Avenue right-of-way; and
 - c. the 8" water line that runs north of the Sable Avenue right-of-way to the west end of Sandy Ridge Avenue.
9. At or prior to the time of conditional acceptance of the public improvements, those tracts shown on the final plat and FDP to be owned and maintained by the metropolitan district shall be conveyed to the metropolitan district.
10. Update the Hydraulic Analysis Report narrative based on redlines from the Town Engineer.

11. Revise the Final Drainage Report as noted in redlines provided by the Town Engineer.
12. Revise the narrative for Basin 200 in the Final Drainage Report to add a statement regarding the sizes of the pond outlet pipes.
13. Revise the Final Drainage Report to include Appendix A, Vicinity Map.
14. In Appendix B (Hydrologics) of the Final Drainage Report, correct discrepancies in the area shown for Basin EX-2 and the Drainage Map and update all calculations. Provide runoff calculations for Culverts #1-#4 for the 100-year storm event.
15. In Appendix C (Hydraulics) of the Final Drainage Report, clean up the order of calculations in appendix and remove any old data (i.e., detention pond calculations appear twice; box culvert calculations appear twice, once with the wrong box size).
 - a. FAA Detention/Outlet Pipes: Remove the reference to Full Spectrum storage requirement for both ponds since this was not used. Update 100-year WSEL for Pond 1 orifice plate calculation. Clarify how outlet pipes were sized and what is the WSEL in Godding Hollow when ponds peak. Provide calculations for the outlet pipes.
 - b. Inlets: Design Inlet 201 for the ultimate condition, taking the 100-year runoff from Basins 206 and 207. Confirm if the inlets are intended to function as sump or on-grade inlets and what the actual available ponding depth is at these inlets. Make further revisions as shown in the Final Utility Plan Street plan and profile comments from the Town Engineer.
 - c. UDSewer: Label plan sketches with Storm Sewer name to match Final Utility Plans. For Storm Sewer 200, fix inconsistencies between calculations and Storm plan and profile.
 - d. Culverts: Revise plans as necessary to provide culverts designed to convey the 100-year storm event and reflect a minimum culvert size of 18 inches in the public right-of-way.
 - e. Swales: Label triangular channel analysis in Final Drainage Report. The normal flow analysis for Swale E in the Final Drainage Report is trapezoidal instead of triangular as shown on the plans.
 - f. Box Culvert: Reconcile and update the two different calculations provided in the Final Drainage Report (open channel normal depth calculation and culvert calculation). Provide the Town Engineer with calculations from the ditch company.
16. Revise Drainage Maps as reflected in Town Engineer redlines.
17. The Town Engineer shall review the new soils report dated August 16, 2018 that was presented by the applicant at the Planning Commission public hearing and determine

whether basements can be constructed within the subdivision. If the Town Engineer determines basements are technically feasible, they shall be constructed.

Final Plat

18. On Sheet 1, delete the Lender's Consent signature block.
19. Revise the plat to reflect the 60' wide Godding Irrigation easement being dedicated by this plat continuing through Tracts F and H.
20. On Sheet 6, the water easement needs to be called out as a "20' exclusive water line easement to the Town of Firestone."
21. Revise plat to address Town Engineer redlines.

FDP Sheet 1 (Cover Sheet)

22. Add water dedication paragraph as directed by the Town Engineer.
23. In the Water Meter Table, clarify whether another irrigation tap is needed for Tracts P, O, and a portion of M.

FDP Sheet 2 (General Notes)

24. Update the Residential Density Filing 1 table to reflect the correct density of 3.78 DU/AC as shown in the provided exhibit for Filing 1.
25. Remove duplicate information between the Setbacks Table B and the notes provided underneath the table. Only provide information in notes that is in addition to the information provided in the table, or that needs clarification. Add pool setback information to the table.
26. In the Land Use Table, revise the use for Tracts E and F from "OS/Drainage" to "Detention Pond."
27. In the Park Development section, delete the sentence reading "Open space being dedicated to the Town of Firestone with Filing 1 includes Tracts 'E' and 'F'."
28. In the Landscaping section, update the irrigated/landscaped tracts to include Tracts B, C, D, T, O, P, and a portion of M.

FDP Sheet 6 (Site Grading Plan 3)

29. Provide the total square footage of Lot 1 in Block 3.
30. Show the mailboxes in Tract D, which must be located outside the sight distance easement.

FDP Sheet 8 (Overall Utility Plan)

31. Revise to address Town Engineer comments regarding Final Utility Plan.

FDP Sheets 10 and 11 (Landscape Plan)

32. Label all tract areas that will be landscaped and irrigated as “permanently irrigated.”

FDP Sheet 12 (Landscape Plan)

33. Modify Note 11 as redlined by the Town Engineer to include a portion of Tract M and Tracts O and P.

FDP Sheets 14-15 and 17 (Irrigation Plan)

34. Show the irrigation service to Tract B. Clarify how Tracts P, O and a portion of Tract M will be irrigated. If there will be an additional point of connection, irrigation service, and backflow preventer, show and label accordingly.

FDP Sheet 20 (Address Map)

35. Add grid to address table to make it more easily read.

Final Utility Plans (FUP)

36. Sheets 1-70 (Benchmark): Correct benchmark note to reference the correct benchmark for this project and give the conversion to Firestone’s NGVD 1929 vertical datum.
37. Sheets 4.30-4.31 (Grading Plan):
- a. Show and label the existing 100-year base flood elevation along Godding Hollow.
 - b. Label Pond 1 information and show existing easements on Sheet 4.30.
 - c. Label Tracts M, N, O and P.
 - d. Provide reasonable cross slope to pond access roads to accommodate maintenance vehicles.
 - e. Fix steep grading near ponds.
 - f. Confirm pond grading in Tract E does not extend into the Arbor Street right-of-way.
 - g. Check over grading plans. On Sheet 4.31, it appears that contours are crossing over each other. The grading in Arbor Street south of the turnaround does not match the Arbor Street plan and profile. The final grading of Arbor Street south of the turnaround must be done with this Filing 1 to provide adequate cover over the proposed 12” water line. Provide more spot elevations at the street intersections. The section E-E swale E shown on the Grading Plan Sheet 4.31 does not match the section shown on Storm plan and profile Sheet 7.11.
38. Sheets 5.20, 5.21 (Sanitary Plan and Profile): Correct the existing gas crossing to a single 8” gas pipe.

39. Sheet 5.30 (Underdrain System): The underdrain system cannot tie into the detention pond outlet pipe. Show underdrain daylight to channel and provide a detail for the underdrain lift station.
40. Sheet 6.11 (Detailed Water Plan): Correct flag notes as shown in Town Engineer redlines. If there is a separate irrigation tap/service/meter for Tracts P, O, and M, it needs to be shown and labeled.
41. Sheets 6.14 and 6.15 (12" Water Plan and Profile, Arbor): Call out the steel casing, water line lowering, and reference the appropriate details. Fix joint restraint length from 39" to 39'. Label the vertical bends for the water lowering with stationing. Fix the profile elevations to align with the profile grid and align profile stationing with plan view stationing. Add joint restraint length note to Sheet 6.15.
42. Sheets 6.15 and 6.17 (12" Water Plan and Profile, Arbor): Revise to show future Arbor Street fill to provide a minimum 5' cover over the proposed 12" water line. On Sheet 6.17, revise plans to reflect the water line to be set 5' below the final grade of Arbor Street. Clarify why the plans show fill from Station 5+00+7+00. Show proposed contours on the Grading Plan for this area and show the end of Arbor Street in the profile.
43. Sheet 6.16 (Overall Water Plan): Update sheet with new water line tie-in location.
44. Sheet 6.18 (12" and 8" Water Plan and Profile, offsite south): Add joint restraint note to Sheet 6.18 as reflected in Town Engineer redlines.
45. Sheet 6.19 (8" Water Plan, offsite east): Revise plans to show existing fence in the actual location and reflect the existing fence will be physically moved in the field to the property line (or move the water line 10' from the location of the existing fence).
46. Sheet 6.19 and 6.20: Revise plans to reflect the proposed 8" water line will be located outside of the existing asphalt in Sable Avenue; the water line needs to be located under a future lane line or under the center of a future lane line in the existing right-of-way (see Town Engineer Sable Street redlines). Project existing finished grade of paved road for future finished grade over water line, which water line depth must work for both existing condition and ultimate condition. Shift the road side ditch as necessary so the water line is not underneath it.
47. Sheet 6.20 (8" Water Plan, Sable Avenue): Call out open cut to cross Sable Avenue, reference tee cut detail, patch must be 10' wide minimum. Revise plans to reflect Sable Avenue pavement is a composite section (4" asphalt with 14" aggregate base course) and that steel casings will be provided for both water line lowerings under the Godding Irrigation ditch. Call out joint restraint lengths.

48. Sheets 7.10-7.12 (Storm Sewer Plan and Profile): Label the stationing for all FES, Finished Grade, Existing Grade in profiles, 100-year HGL, 100-year floodplain. Revise to reflect culverts in road right-of-way will carry 100-year storm event (Culverts #1-#4) and to specify a minimum culvert size of 18". Confirm the finished grades in storm profiles (Culvert #1, basin 100-1, basin 200); refer to Town Engineer redlines. Fix pipes in basin 100 profile. Remove the concrete encasing symbol from the storm plans and profiles. On Sheet 7.10, replace flag note #4 with general note #5 and revise flag note #1 as shown in Town Engineer redlines. On Sheet 7.11, replace flag note #7 with general note #6.
49. Sheet 7.11 (Storm Sewer Basin 200 Plan and Profile): Correct discrepancies on Storm Sewer Basin 200 between the profile and the Final Drainage Report. Correct manhole sizes. Provide detail for STRM MH-201. Clarify whether MH-201 will be a CDOT junction box with an eccentric cone top or flat top. Correct the proposed grade been inlets 201 and 200 to reflect a 2% cross slope and roadside ditches.
50. Sheet 7.11 (Storm Sewer Basin 200 Plan and Profile): Revise to correct the conflict with the drainage report in the design of the inlets in Rangeview Circle. Confirm whether the inlets are intended to function as sump or on-grade inlets and what is the actual ponding depth at these inlets. See Town Engineer's Arbor Street and Rangeview Circle street plan and profile comments.
51. Sheet 7.20 (Goding Irrigation Box Culvert): Label HGL for 60 cfs design flow. Confirm ultimate Arbor Street section tie-in slopes do not exceed 4:1.
52. Sheets 7.21-7.22 (Irrigation Culvert Diversion): Confirm there is enough cover over the buried pipe in the rear lots along the entire western boundary. On Sheet 7.22, add the profile missing from Sta 12+50 to 15+00. Revise to show the water line and sanitary sewer crossings in the profile. Darken the profile text and proposed grade at the centerline of the channel.
53. Sheets 7.40-7.41 (Detention Ponds): Revise to show and label the existing (not interim) base flood elevations in Goding Hollow. Fix grading for access road(s). Clarify how outlet pipes were sized and what is the WSEL in Goding Hollow when ponds peak. Provide calculations in Final Drainage Report.
54. Sheet 7.40 (Detention Pond 1, Tract F): Revise to show the private underdrain system will not tie into the public detention pond outlet pipe. Remove the manhole on the outlet pipe. Show outlet pipe stationing. Update Pond 100-year WSEL to match drainage report.
55. Sheet 7.41 (Detention Pond 2, Tract E): Label dimension units on Orifice Plate detail. Correct contours in Arbor Street south of asphalt turnaround.

56. Sheets 7.90-7.93 (Storm Details): Update the riprap table for Culverts #1-#4 with 100-year flows. Replace the flat top manhole detail with the Town's updated detail. Show the Town's handrail detail for the box culvert headwall, as provided by the Town Engineer.
57. Sheet 8.10 (Arbor Street Plans and Profile): Confirm whether the Town can fit driveway cut with crossspan and curb returns and Type R inlet near oil and gas access (approximately Station 95+62).
58. Sheet 8.11 (Arbor Street Plans and Profile): Revise to reflect Inlet 201 designed for the ultimate condition, taking the 100-year runoff from Basins 206 and 207. Revise to show crossspan will be installed at Rangeview Circle and Arbor Street. Consider building curb and gutter on west side of Arbor Street in ultimate location from Rangeview Circle to Rangeview Circle and eliminate Inlet 208 and pipe to Inlet 203.
59. Sheet 8.13 (Rangeview Street Plans and Profile): Regarding Inlets 202, 203, 204, and 205, either modify the spot elevations on the street plans and profile sheets so the inlets are at low points and use the actual available ponding depth in the inlet calculations or design the inlets as on-grade inlets, update calculations for inlets, and add crossspans to the intersections. Provide enough spot elevations so that the inlet ponding can be verified by the Town Engineer.
60. Sheets 8.22 and 8.25 (Arbor Street Cross Sections, Station 95+62): Update the section to reflect the low point in Arbor Street has been moved to Station 95+62. Remove note "inlet 104 with interim grate." Clarify this is a future Type R, not interim. Update storm pipe size.
61. Sheet 8.25 (Arbor Street Cross Sections, Station 110+88): Label Type R Inlets 201 and 200 with interim grates. Clarify how runoff will get to Inlet 201 grate; there is no roadside ditch shown in the cross section or the grading plan.
62. Sheets 8.30-8.32 (Striping): Revise plans to correct the left turn lane striping and taper on Arbor Street approaching Sable Avenue. Remove channelized striping at Station 103+00. Revise construction note #8 to read "center turn lane". Turn on asphalt hatch.
63. Sheet 8.50 (Roadway Detail): Revise plans to replace old Detail E with the Town's new street tee cut detail.



Status Update St. Vrain Water Treatment Plant

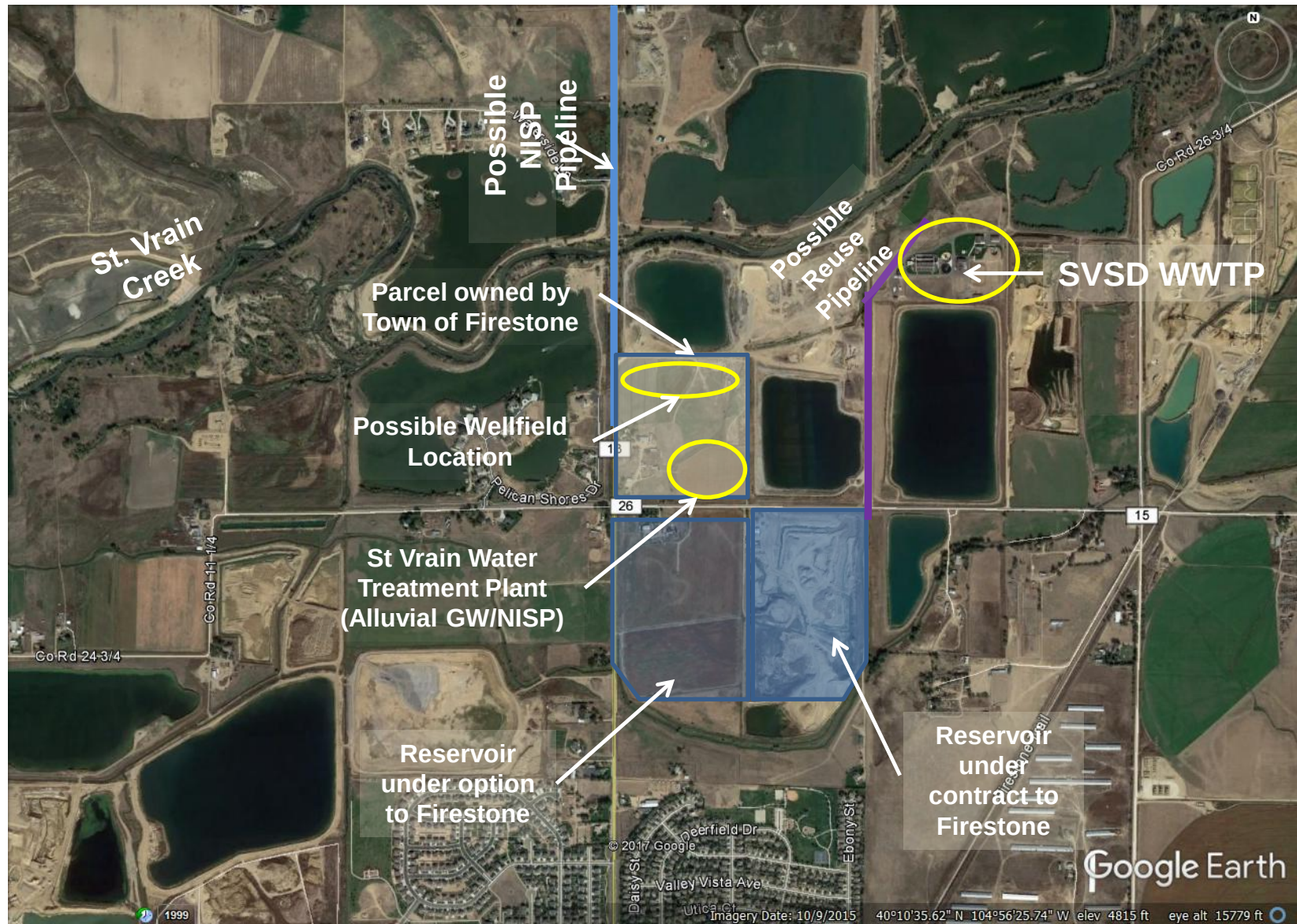


Town of Firestone Board Meeting
August 22, 2018

Project Information

- Background:
 - 2016: Decision to evaluate a regional water treatment facility to meet forecasted water demands.
 - Determined Objective: Regional Water Treatment Facility
 - Determined Location: Colorado and CR 26
- Source water/water rights:
 - Phase 1: Gould wells (Alluvial groundwater/Windy Gap), blending with Central Weld water to meet water quality goals
 - Phase 2: Raw surface water pipeline (NISP)?
- Treatment Capacity and Stakeholders:
 - Phase 1: 1.5 MGD (Firestone)
 - Phase 2: 5 MGD (Little Thompson and Fredrick? 2027?)
 - Stakeholder Agreement: IGA followed by development of a Water Authority

St Vrain WTP, Wellfield, Reuse Pipeline and Reservoirs



Project Schedule

- 2017: Water rights analysis, feasibility study and initial water quality sampling was completed.
- 2018:
 - Conceptual Design: completed
 - Preliminary Design: planned completion October 2018
 - Membrane Procurement Documents: November 2018
 - Submit TMF Document to CDPHE: November 2018
 - Selection of a CMAR: August 2018 through December 2018
- 2019:
 - Selection of a CMAR: planned completion January 2019
 - CMAR GMP: July 2019
 - 60% Design: August 2019 (including CDPHE approval)
 - Final Design: December 2019
- 2020/2021: Construction Complete – November 2021

Questions?

Patrick O'Brien, PE, PMP

FEI Principal

patrick.obrien@feiengineers.com

www.FEIEngineers.com

AGENDA INFORMATION MEMORANDUM

FIRESTONE TOWN BOARD OF TRUSTEES



AIM#: 8.b.

Discussion/Action

Meeting Date: August 22, 2018

Initiated By:

Dept: Public Works/ Parks & Rec

AGENDA TITLE

Road Preservation - Chip Seal for Town-wide Projects

SUMMARY

HISTORY AND PREVIOUS BOARD ACTION

In previous years the town board has approved funding to preserve the road network

RECOMMENDATION

Staff recommends the board to approve the contract on certain roads in Firestone in the amount of \$227,031.84

ALTERNATIVES

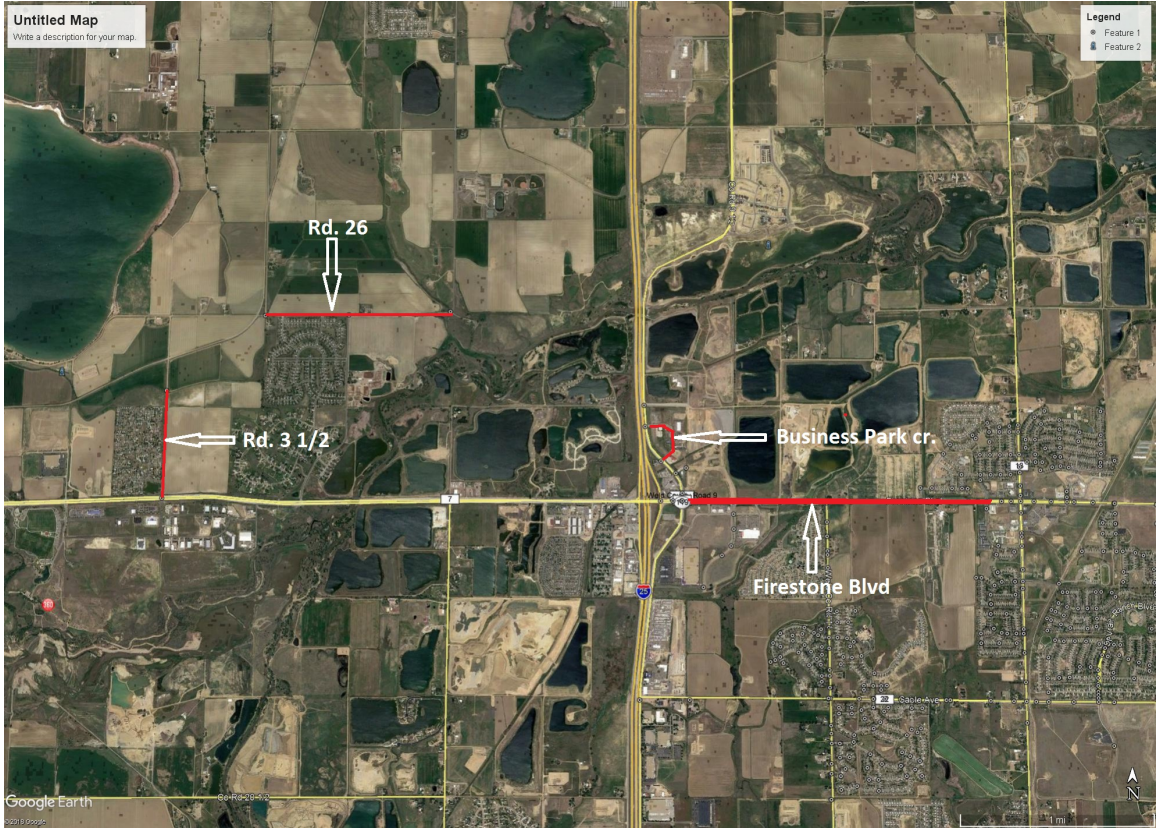
Do Nothing

ATTACHMENTS

1. 8b - 2018 Chipseal
2. 8b - Chip Seal Proposal

FINANCIAL CONSIDERATIONS

In Budget under Public Works - road maintenance





Customer
City of Firestone
PO Box 100
Firestone, CO 80520-

Attention
Theo Abkes
(303) 901-7903
tabkes@ci.firestone.co.us

Date
07/30/18
Proposal #
25524

Proposal for
City of Firestone - Colorado Blvd. & Birch Blvd. - Firestone

Item#	Description	Qty/Unit	Unit Price	Total Price
	Option# 1 Roadway Slurry Seal			
01	Slurry Seal Type II Slurry in place on existing asphalt pavement. *All labor, material, equipment, and traffic control necessary shall be furnished. *All work shall be done in accordance with the Standard Specifications for Slurry Seal Applications. *Slurry is a rigid product this product will have reflective cracking and aggregate shedding. The benefits of this product are that it will reduce oxidation, slow water damage, extend the life of the pavement, and beautifies the surface area.	90,092 SY	\$2.52	\$227,031.84
Accepted_____				Total for Option# 1 \$227,031.84

Additional Charges If Required :

*This Proposal is based on one Mobilization.
*Additional mobilizations add \$4,000.00 each.

Notes:

*We cannot guarantee positive drainage on existing or proposed areas less than two percent (2%) fall/slope, consequently no warranty will be provided if these conditions exist.
*This work can be scheduled after receipt of signed contract.
*The signer of this contract serves as the authorized agent for the owner and binds the written contract to the owner.
*Pricing for this quotation is applicable for 30 days from date of quote.
*Final billing will be based on actual field measured quantities installed.
*Performance and Payment bond. Add 1% to total price if Bond is required.

Exclusions:

*All polymer-modified asphalt.
*Bonds (add 1%), permits, testing, engineering, surveying, striping, pavement marking removals, utility adjustments.

See attached terms and conditions

Accepted by: _____ Date: _____ Estimator: John Parks
John Parks
(720) 540-8288
jparks@asphaltrepair.com

Accepted by: _____ Date: _____
Authorized Agent(s)

Phone: 303.464.9267 Fax: 303.464.9261
2505 E 74th Ave - Denver, CO 80229

A-1 Chipseal Co. & Rocky Mountain Pavement, LLC is an Equal Employment Opportunity Employer.

Terms and Conditions

1. This contract (hereinafter referred to as the "Agreement") including the terms and conditions that follow, supersedes any prior understanding or written or oral agreement between the parties, and constitutes the entire agreement between the parties and any understanding or representation not contained herein is hereby expressly waived. It is expressly understood that no representative of the contractor has the power to modify the provisions hereof in any respect, that Contractor shall not be bound by, or liable to, Owner for any representation, promise or endorsement made by any agent or person in Contractor's employment to set forth in this Agreement, and no modification or amendment of this instrument shall be binding on the Contractor unless set forth in writing and signed by an authorized officer of the Contractor.

2. This Agreement shall be binding on and inure to the benefit of the parties hereto and their respective heirs, executors, administrators, legal representatives successors, and assigns, where permitted by this Agreement. Owner expressly agrees that this Agreement is binding upon it and is not subject to cancellation unless expressly agreed upon for any reason, as shown in the body of this Agreement, and that furthermore, notwithstanding the terms hereof, this Agreement shall not be binding upon Contractor until the credit of Owner is approved and accepted by Contractor.

3. Contractor shall not be liable for delays or damages occasioned by causes beyond his control, including but not limited to: the elements, labor strikes and other labor unrest, riots and other public disturbances, acts of God, accidents, material and supply shortages, and delays occasioned by suppliers not meeting shipping schedules.

4. If any provision is modified by statute or declared invalid, the remaining provisions shall nevertheless continue in full force and effect. The Owner and the Contractor agree that the Agreement shall be construed and governed by the laws of Colorado and that venue for any dispute or litigation arising out of this Agreement shall be in Adams County, Colorado.

5. Any alteration or deviation from the specifications, including those directed by the Owner, construction lender and any public body, that involves extra cost (subcontract, labor, materials) will be executed only upon the parties entering into a written change order, which Contractor may or may not execute at its discretion. Owner hereby authorizes Contractor to make any such repairs and agrees to be responsible for the cost of any such repairs and agrees to be responsible for the cost of any such additional work and materials necessary to complete the Job as described herein.

6. Contractor will provide and pay for all labor and materials necessary to complete the Project. Contractor is released from this obligation for expenses incurred when the Owner is in arrears in making progress payments.

7. Contractor will maintain worker's disability compensation insurance for his employees and comprehensive coverage liability insurance policies. Owner to carry insurance against fire, tornado, hail, vandalism and other casualty losses.

8. Contractor may substitute materials without notice to the owner in order to allow work to proceed, provided that the substituted materials are of no lesser quality than those listed in the specifications.

9. Contractor shall not be responsible for underlying materials of the pavement.

10. The parties agree that in the event of breach of any warranty, either expressed or implied, the liability of the Contractor shall be limited to the labor costs of replacing the defective work. The Contractor shall not be liable for any other damages either direct or consequential. Notwithstanding anything else to the contrary, the Contractor shall have no liability or responsibility for any damage to the structure, its contents, floors, carpets and walkways that is caused by the condition of tracking materials (sealcoat, crack filler, tar, etc.), caused by others besides employees, regardless of whether such damage occurs or is worsened during the performance of the job.

11. Any warranty, express or implied, is void if contract is not paid in full.

12. If any payment under this Agreement is not made when due, the Contractor may suspend work on the job until such time as all payments due have been made. Any failure to make payment is subject to a claim enforced against the property in accordance with applicable lien laws.

13. In the event the amount of Contract is not paid within 30 days from completion, the account shall be in default. The acceptor of this Agreement agrees to indemnify and hold harmless the Contractor from any costs of expenses incurred in the collection of the defaulted account, or in any part thereof, including attorney's fees, court cost, etc., and further agrees that the defaulted account, or in part thereof, including attorney's fees, court cost, etc., and further agrees that the defaulted account will bear interest at the rate of 1-1/2% per month, not to exceed 18% per year and not to exceed the maximum rate permitted by law, on the unpaid balance.

14. Owner agrees to indemnify and hold harmless the Contractor and its agents, managers, directors, officers and employees from and against claims, damages, losses and expenses arising out of or resulting from the performance of this Agreement, including claims relating to damages caused by other tradesman and claims related to environmental laws and hazardous materials, except to the extent that such damage, loss or expense is due to the gross negligence or willful misconduct of the party seeking indemnity.

15. This contract shall become binding when signed by all parties and the authorized office of the Contractor. Owner agrees that upon cancellation before work is started, or before material is delivered on the job, to be liable for 15% of gross amount of contract for restocking fees. Owner is liable for the full amount of contract in the event they cancel contract after work has started.

16. If contract is completed except for the installation of the striping, then the Owner shall only have the right to hold 10% of the Contract price until that part of the work is completed.

17. Any notice required or permitted under this Agreement may be given certified or registered mail at the addresses contained in the Agreement.

18. Owner further agrees that the equity in this property is security in this Contract. This Contract shall become binding only upon written acceptance hereof by the Contractor or by an authorized Agent of the contractor, or upon commencement of the work.

19. This Contract constitutes the entire understanding of the parties, and no other understanding, collateral or otherwise, shall be binding unless in writing signed by both parties.

20. The proposal will expire within 90 days from date unless extended in writing by the company. After 90 days, we reserve the right to revise our price in accordance with costs in effect at that time.

AGENDA INFORMATION MEMORANDUM

FIRESTONE TOWN BOARD OF TRUSTEES



AIM#: 8.c.

Discussion/Action

Meeting Date: August 22, 2018

Initiated By:

Dept: Public Works/ Parks & Rec

AGENDA TITLE

Ordinance 942: AN ORDINANCE APPROVING A LEASE AGREEMENT FOR A NEW SNOWBLOWER

SUMMARY

By adding this machine which will fit on the new Deere 624 loader Public Works will make snow removal more efficient.

HISTORY AND PREVIOUS BOARD ACTION

In 2017 the board approved a smaller blower that fits on a backhoe & wanted to buy two.

RECOMMENDATION

Staff recommends approving the lease purchase of this machine & allow the Mayor to execute the contract.

ALTERNATIVES

Continue to use existing equipment for snow removal

ATTACHMENTS

1. 8c - Ord 942 Ord Approving Snow Blower Lease
2. 8c - Snowblower Document Package
3. 8c - Snogo

FINANCIAL CONSIDERATIONS

This piece of equipment is in the 2018 budget & pricing is through NJPA which is government pricing

ORDINANCE NO. 942

AN ORDINANCE APPROVING A LEASE-PURCHASE AGREEMENT FOR A NEW SNOW BLOWER

WHEREAS, the Town is authorized by applicable law, including but not limited to C.R.S. § 31-15-801 et seq., to acquire equipment and to enter into leases for the same, which leases may include an option to purchase and acquire title to the leased property; and

WHEREAS, the Board of Trustees deems it necessary and desirable for the efficient and proper functioning of the Town and for the health and safety of the Town's inhabitants to acquire a new street sweeper; and

WHEREAS, the Board of Trustees has determined it is in the best interest of the Town and its inhabitants to enter into the lease contemplated herein for the lease with option to purchase of one Snogo Model WK Snow Blower with Snow Blower Attachment to be used by the Town public works department;

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE TOWN OF FIRESTONE, COLORADO:

Section 1. The Government Obligation Contract between the Town and KS StateBank (the "Lease") for lease and acquisition of one Snogo Model WK Snow Blower with Snow Blower Attachment ("Equipment"), which Lease includes an option to purchase and acquire title to the Equipment, is hereby approved in essentially the same form as the copy of such Lease accompanying this ordinance.

Section 2. The Mayor and Town Clerk are authorized to execute the Lease on behalf of the Town, except that the Mayor is further hereby granted the authority to negotiate and approve such revisions to said Lease as determined necessary or desirable for the protection of the Town, so long as the essential terms and conditions of the Lease are not altered. The Lease shall be in a principal amount not to exceed \$123,405.00, will bear interest at a rate not to exceed 6% per annum and the aggregate of the initial term and all renewal terms shall not exceed four years. The Lease shall contain an option to purchase by the Town as therein set forth.

Section 3. The Mayor and Town Clerk are authorized to execute the Lease on behalf of the Town. The Mayor, Town Clerk, Town Attorney, and Town staff are further authorized to execute such other documents as are necessary to implement the Lease, and Town staff is authorized and directed to make payments under the Lease for which funds are legally available.

Section 4. All financial obligations of the Town under the Lease shall be subject to annual budgeting and appropriation, and nothing herein shall be deemed to authorize, or construed to authorize, any multiple-fiscal year direct or indirect obligation whatsoever.

Section 5. If any article, section, paragraph, sentence, clause, or phrase of this ordinance is held to be unconstitutional or invalid for any reason, such decision shall not affect the

validity or constitutionality of the remaining portions of this ordinance. The Board of Trustees hereby declares it would have passed this ordinance and each part or parts hereof irrespective of the fact that any one part or parts be declared unconstitutional or invalid.

Section 6. All actions heretofore taken by Town employees, officers and members of the Town Board of Trustees, not inconsistent with the provisions of this ordinance, are hereby ratified, approved and confirmed.

Section 7. All other ordinances or portions thereof inconsistent or conflicting with this ordinance or any portion hereof are hereby repealed to the extent of such inconsistency or conflict.

INTRODUCED, READ, ADOPTED, APPROVED, AND ORDERED PUBLISHED IN FULL this 22nd day of August, 2018.

TOWN OF FIRESTONE, COLORADO

Bobbi Sindelar, Mayor

ATTEST:

Leah Vanarsdall, Town Clerk

DOCUMENTATION INSTRUCTIONS

The instructions listed below should be followed when completing the enclosed documentation. **Please print on single sided paper only.** Documentation completed improperly will delay funding. If you have any questions regarding the Conditions to Funding, instructions or the documentation, please call us at (877) 587-4054.

I. Attached Documentation

1. **Government Obligation Contract**
 - ◆ An authorized individual that is with the Obligor should sign on the first space provided.
 - ◆ A second authorized individual that is with the Obligor should attest the previous signature on the space provided.
2. **Exhibit A – Description of Equipment**
 - ◆ Review equipment description. Complete serial number/VIN if applicable.
 - ◆ List the location where the equipment will be located after delivery/installation.
3. **Exhibit B – Payment Schedule**
 - ◆ Sign and print name and title
4. **Exhibit C - Payment Request & Equipment Acceptance Form**
 - ◆ Do Not Return until you need to request funds from the Vendor Payable Account.
5. **Exhibit D - Signature Card**
 - ◆ Sign and print name and title
 - ◆ An additional individual may sign as an authorized individual, if desired.
6. **Exhibit E - Obligor Acknowledgement**
 - ◆ Complete information as indicated.
7. **Insurance Requirements**
 - ◆ Complete insurance company contact information where indicated.
8. **Debit Authorization – (Preferred)**
 - ◆ Complete form and attach a voided check
9. **8038G IRS Form**
 - ◆ Please read 8038 Review Form
 - ◆ In Box 2, type Employer Identification Number
 - ◆ Sign and print name and title

II. Additional Documentation Required

1. First payment check as stated on attached invoice
2. Documentation Fee as stated on attached invoice

III. Condition to Funding

If, for any reason: (i) the required documentation is not returned by October 14, 2018, is incomplete, or has unresolved issues relating thereto, or (ii) on, or prior to the return of the documentation, there is a change of circumstance, including but not limited to changes in the federal corporate income tax rate or reducing/capping the tax-exempt interest benefit, which adversely affects the expectations, rights or security of the Obligee or its assignees; then Obligee or its assignees reserve the right to withdraw/void its offer to fund this transaction in its entirety. *Neither KS StateBank nor Baystone Government Finance is acting as an advisor to the municipal entity/obligated person and neither owes a fiduciary duty pursuant to Section 15B of the Exchange Act of 1934.*

All documentation should be returned to:

KS StateBank
2627 KFB Plaza STE 202E
Manhattan, Kansas 66503

GOVERNMENT OBLIGATION CONTRACT

Obligor

Town of Firestone, Colorado
151 Grant Avenue
Firestone, Colorado 80520

Obligee

KS StateBank
1010 Westloop; P.O. Box 69
Manhattan, Kansas 66505-0069

Dated as of August 27, 2018

This Government Obligation Contract dated as of the date listed above is between Obligor and Obligor listed directly above. Obligor desires to finance the purchase of the Equipment described in Exhibit A to Obligor and Obligor desires to have Obligor finance the purchase of the Equipment subject to the terms and conditions of this Contract which are set forth below.

I. Definitions

Section 1.01 Definitions. The following terms will have the meanings indicated below unless the context clearly requires otherwise:

"Additional Schedule" refers to the proper execution of additional schedules to Exhibit A and Exhibit B, as well as other exhibits or documents that may be required by the Obligor all of which relate to the financing of additional Equipment.

"Budget Year" means the Obligor's fiscal year.

"Commencement Date" is the date when Obligor's obligation to pay Contract Payments begins.

"Contract" means this Government Obligation Contract and all Exhibits attached hereto, all addenda, modifications, schedules, refinancings, guarantees and all documents relied upon by Obligor prior to execution of this Contract.

"Contract Payments" means the payments Obligor is required to make under this Contract as set forth on Exhibit B.

"Contract Term" means the Original Term and all Renewal Terms.

"Exhibit" includes the Exhibits attached hereto, and any "Additional Schedule", whether now existing or subsequently created.

"Equipment" means all of the items of Equipment listed on Exhibit A and any Additional Schedule, whether now existing or subsequently created, and all replacements, restorations, modifications and improvements.

"Government" as used in the title hereof means a State or a political subdivision of the State within the meaning of Section 103(a) of the Internal Revenue Code of 1986, as amended ("Code"), or a constituted authority or district authorized to issue obligations on behalf of the State or political subdivision of the State within the meaning of Treasury Regulation 1.103-1(b), or a qualified volunteer fire company within the meaning of section 150(e)(1) of the Code.

"Obligor" means the entity originally listed above as Obligor or any of its assignees.

"Obligor" means the entity listed above as Obligor and which is financing the Equipment through Obligor under the provisions of this Contract.

"Original Term" means the period from the Commencement Date until the end of the Budget Year of Obligor.

"Partial Prepayment Date" means the first Contract Payment date that occurs on or after the earlier of (a) the twenty-four month (24) anniversary of the Commencement Date or (b) the date on which Obligor has accepted all the Equipment and all amounts have been disbursed from the Vendor Payable Account to pay for the Equipment.

"Purchase Price" means the total cost of the Equipment, including all delivery charges, installation charges, legal fees, financing costs, recording and filing fees and other costs necessary to vest full, clear legal title to the Equipment in Obligor, subject to the security interest granted to and retained by Obligor as set forth in this Contract, and otherwise incurred in connection with the financing of this Equipment.

"Renewal Term" means the annual term which begins at the end of the Original Term and which is simultaneous with Obligor's Budget Year and each succeeding Budget Year for the number of Budget Years necessary to comprise the Contract Term.

"State" means the state which Obligor is located.

"Surplus Amount" means any amount on deposit in the Vendor Payable Account on the Partial Prepayment Date.

"Vendor Payable Account" means the separate account of that name established pursuant to Section X of this Contract.

II. Obligor Warranties

Section 2.01 Obligor represents, warrants and covenants as follows for the benefit of Obligor or its assignees:

- (a) Obligor is an "issuer of tax exempt obligations" because Obligor is the State or a political subdivision of the State within the meaning of Section 103(a) of the Internal Revenue Code of 1986, as amended, (the "Code") or because Obligor is a constituted authority or district authorized to issue obligations on behalf of the State or political subdivision of the State within the meaning of Treasury Regulation 1.103-1(b), or a qualified volunteer fire company within the meaning of section 150(e)(1) of the Code.
- (b) Obligor has complied with any requirement for a referendum and/or competitive bidding.
- (c) Obligor has complied with all statutory laws and regulations that may be applicable to the execution of this Contract; Obligor, and its officer executing this Contract, are authorized under the Constitution and laws of the State to enter into this Contract and have used and followed all proper procedures of its governing body in executing and delivering this Contract. The officer of Obligor executing this Contract has the authority to execute and deliver this Contract. This Contract constitutes a legal, valid, binding and enforceable obligation of the Obligor in accordance with its terms.
- (d) Obligor shall use the Equipment only for essential, traditional government purposes.
- (e) Should the IRS disallow the tax-exempt status of the interest portion of the Contract Payments as a result of the failure of the Obligor to use the Equipment for governmental purposes, or should the Obligor cease to be an issuer of tax exempt obligations, or should the obligation of Obligor created under this Contract cease to be a tax exempt obligation for any reason, then Obligor shall be required to pay additional sums to the Obligor or its assignees so as to bring the after tax yield on this Contract to the same level as the Obligor or its assignees would attain if the transaction continued to be tax-exempt.
- (f) Obligor has never non-renewed funds under a contract similar to this Contract.
- (g) Obligor will submit to the Secretary of the Treasury an information reporting statement as required by the Code.
- (h) Upon request by Obligor, Obligor will provide Obligor with current financial statements, reports, budgets or other relevant fiscal information.
- (i) Obligor shall retain the Equipment free of any hazardous substances as defined in the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. 9601 et. seq. as amended and supplemented.
- (j) Obligor hereby warrants the General Fund of the Obligor is the primary source of funds or a backup source of funds from which the Contract Payments will be made.
- (k) Obligor presently intends to continue this Contract for the Original Term and all Renewal Terms as set forth on Exhibit B hereto. The official of Obligor responsible for budget preparation will include in the budget request for each Budget Year the Contract Payments to become due in such Budget Year, and will use all reasonable and lawful means available to secure the appropriation of money for such Budget Year sufficient to pay the Contract Payments coming due therein. Obligor reasonably believes that moneys can and will lawfully be appropriated and made available for this purpose.
- (l) Obligor has selected both the Equipment and the vendor(s) from whom the Equipment is to be purchased upon its own judgment and without reliance on any manufacturer, merchant, vendor or distributor, or agent thereof, of such equipment to the public.
- (m) Obligor owns free and clear of any liens any additional collateral pledged, subject only to the lien described herein; Obligor has not and will not, during the Contract Term, create, permit, incur or assume any levies, liens or encumbrances of any kind with respect to the Equipment and any additional collateral except those created by this Contract.

Section 2.02 Escrow Agreement. In the event both Obligor and Obligor mutually agree to utilize an Escrow Account, then immediately following the execution and delivery of this Contract, Obligor and Obligor agree to execute and deliver and to cause Escrow Agent to execute and deliver the Escrow Agreement. This Contract shall take effect only upon execution and delivery of the Escrow Agreement by the parties thereto. Obligor shall deposit or cause to be deposited with the Escrow Agent for credit to the Equipment Acquisition Fund the sum of N/A, which shall be held, invested and disbursed in accordance with the Escrow Agreement.

III. Acquisition of Equipment, Contract Payments and the Purchase Option Price

Section 3.01 Acquisition and Acceptance. Obligor shall be solely responsible for the ordering of the Equipment and for the delivery and installation of the Equipment. The Payment Request and Equipment Acceptance Form must be signed by the same authorized individual(s) who signed the Signature Card, Exhibit D. By making a Contract Payment after its receipt of the Equipment pursuant to this Contract, Obligor shall be deemed to have accepted the Equipment on the date of such Contract Payment for purposes of this Contract. All Contract Payments paid prior to delivery of the Payment Request and Equipment Acceptance Form shall be credited to Contract Payments as they become due as shown on the Contract Payment Schedule attached as Exhibit B hereto.

Section 3.02 Contract Payments. Obligor shall pay Contract Payments exclusively to Oblgee or its assignees in lawful, legally available money of the United States of America. The Contract Payments shall be sent to the location specified by the Oblgee or its assignees. The Contract Payments shall constitute a current expense of the Obligor and shall not constitute an indebtedness of the Obligor. The Contract Payments, payable without notice or demand, are due as set forth on Exhibit B. Oblgee shall have the option to charge interest at the highest lawful rate on any Contract Payment received later than the due date for the number of days that the Contract Payment(s) were late, plus any additional accrual on the outstanding balance for the number of days that the Contract Payment(s) were late. Oblgee shall also have the option, on monthly payments only, to charge a late fee of up to 10% of the monthly Contract Payment that is past due. Furthermore, Obligor agrees to pay any fees associated with the use of a payment system other than check, wire transfer, or ACH. Once all amounts due Oblgee hereunder have been received, Oblgee will release any and all of its rights, title and interest in the Equipment.

SECTION 3.03 CONTRACT PAYMENTS UNCONDITIONAL. Except as provided under Section 4.01, THE OBLIGATIONS OF OBLIGOR TO MAKE CONTRACT PAYMENTS AND TO PERFORM AND OBSERVE THE OTHER COVENANTS CONTAINED IN THIS CONTRACT SHALL BE ABSOLUTE AND UNCONDITIONAL IN ALL EVENTS WITHOUT ABATEMENT, DIMINUTION, DEDUCTION, SET-OFF, OR SUBJECT TO DEFENSE OR COUNTERCLAIM.

Section 3.04 Purchase Option Price. Upon thirty (30) days written notice, Obligor shall have the option to pay, in addition to the Contract Payment, the corresponding Purchase Option Price which is listed on the same line on Exhibit B. This option is only available to the Obligor on the Contract Payment date and no partial prepayments are allowed. If Obligor chooses this option and pays the Purchase Option Price to Oblgee then Oblgee will transfer any and all of its rights, title and interest in the Equipment to Obligor.

Section 3.05 Contract Term. The Contract Term shall be the Original Term and all Renewal Terms until all the Contract Payments are paid as set forth on Exhibit B except as provided under Section 4.01 and Section 9.01 below. If, after the end of the budgeting process which occurs at the end of the Original Term or any Renewal Term, Obligor has renewed as provided for in this Contract then the Contract Term shall be extended into the next Renewal Term and the Obligor shall be obligated to make all the Contract Payments that come due during such Renewal Term.

Section 3.06 Disclaimer of Warranties. OBLIGEE MAKES NO WARRANTY OR REPRESENTATION, EITHER EXPRESS OR IMPLIED, AS TO THE VALUE, DESIGN, CONDITION, MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE OR ANY OTHER WARRANTY WITH RESPECT TO THE EQUIPMENT. OBLIGEE IS NOT A MANUFACTURER, SELLER, VENDOR OR DISTRIBUTOR, OR AGENT THEREOF, OF SUCH EQUIPMENT; NOR IS OBLIGEE A MERCHANT OR IN THE BUSINESS OF DISTRIBUTING SUCH EQUIPMENT TO THE PUBLIC. OBLIGEE SHALL NOT BE LIABLE FOR ANY INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGE ARISING OUT OF THE INSTALLATION, OPERATION, POSSESSION, STORAGE OR USE OF THE EQUIPMENT BY OBLIGOR.

IV. Non-Renewal

Section 4.01 Non-Renewal. The Contract shall terminate absolutely and without further obligation on the part of the Obligor at the end of each Budget Year during the Contract Term unless it is automatically renewed as set forth below. If Obligor chooses to not renew, then all obligations of the Obligor under this Contract regarding Contract Payments for all remaining Renewal Terms shall be terminated at the end of the then current Budget Year without penalty or liability to the Obligor of any kind provided that if Obligor has not delivered possession of the Equipment to Oblgee as provided herein and conveyed to Oblgee or released its interest in the Equipment by the end of the last Budget Year for which Contract Payments were paid, the termination shall nevertheless be effective but Obligor shall be responsible for the payment of damages in an amount equal to the amount of the Contract Payments thereafter coming due under Exhibit B which are attributable to the number of days after such Budget Year during which Obligor fails to take such actions and for any other loss suffered by Oblgee as a result of Obligor's failure to take such actions as required. This Contract will automatically renew at the end of each Budget Year unless positive action is taken by Obligor as evidenced by a resolution passed by the Obligor's governing body to terminate the Contract. Obligor shall immediately notify the Oblgee as soon as the decision to non-renew is made. If such non-renewal occurs, then Obligor shall deliver the Equipment to Oblgee as provided below in Section 9.04. Obligor shall be liable for all damage to the Equipment other than normal wear and tear. If Obligor fails to deliver the Equipment to Oblgee, then Oblgee may enter the premises where the Equipment is located and take possession of the Equipment and charge Obligor for costs incurred.

V. Insurance, Damage, Insufficiency of Proceeds

Section 5.01 Insurance. Obligor shall maintain both property insurance and liability insurance at its own expense with respect to the Equipment. Obligor shall be solely responsible for selecting the insurer(s) and for making all premium payments and ensuring that all policies are continuously kept in effect during the period when Obligor is required to make Contract Payments. Obligor shall provide Oblgee with a certificate of insurance which lists the Oblgee and/or assigns as a loss payee and an additional insured on the policies with respect to the Equipment.

- (a) Obligor shall insure the Equipment against any loss or damage by fire and all other risks covered by the standard extended coverage endorsement then in use in the State and any other risks reasonably required by Oblgee in an amount at least equal to the then applicable Purchase Option Price of the Equipment. Alternatively, Obligor may insure the Equipment under a blanket insurance policy or policies.
- (b) The liability insurance shall insure Oblgee from liability and property damage in any form and amount satisfactory to Oblgee.
- (c) Obligor may self-insure against the casualty risks and liability risks described above. If Obligor chooses this option, Obligor must furnish Oblgee with a certificate and/or other documents which evidences such coverage.
- (d) All insurance policies issued or affected by this Section shall be so written or endorsed such that the Oblgee and its assignees are named additional insureds and loss payees and that all losses are payable to Obligor and Oblgee or its assignees as their interests may appear. Each policy issued or affected by this Section shall contain a provision that the insurance company shall not cancel or materially modify the policy without first giving thirty (30) days advance notice to Oblgee or its assignees. Obligor shall furnish to Oblgee certificates evidencing such coverage throughout the Contract Term.

Section 5.02 Damage to or Destruction of Equipment. Obligor assumes the risk of loss or damage to the Equipment. If the Equipment or any portion thereof is lost, stolen, damaged, or destroyed by fire or other casualty, Obligor will immediately report all such losses to all possible insurers and take the proper procedures to obtain all insurance proceeds. At the option of Oblgee, Obligor shall either (1) apply the Net Proceeds to replace, repair or restore the Equipment or (2) apply the Net Proceeds to the applicable Purchase Option Price. For purposes of this Section and Section 5.03, the term Net Proceeds shall mean the amount of insurance proceeds collected from all applicable insurance policies after deducting all expenses incurred in the collection thereof.

Section 5.03 Insufficiency of Net Proceeds. If there are no Net Proceeds for whatever reason or if the Net Proceeds are insufficient to pay in full the cost of any replacement, repair, restoration, modification or improvement of the Equipment, then Obligor shall, at the option of Oblgee, either (1) complete such replacement, repair, restoration, modification or improvement and pay any costs thereof in excess of the amount of the Net Proceeds or (2) apply the Net Proceeds to the Purchase Option Price and pay the deficiency, if any, to the Oblgee.

Section 5.04 Obligor Negligence. Obligor assumes all risks and liabilities, whether or not covered by insurance, for loss or damage to the Equipment and for injury to or death of any person or damage to any property whether such injury or death be with respect to agents or employees of Obligor or of third parties, and whether such property damage be to Obligor's property or the property of others (including, without limitation, liabilities for loss or damage related to the release or threatened release of hazardous substances under the Comprehensive Environmental Response, Compensation and Liability Act, the Resource Conservation and Recovery Act or similar or successor law or any State or local equivalent now existing or hereinafter enacted which in any manner arise out of or are incident to any possession, use, operation, condition or storage of any Equipment by Obligor), which is proximately caused by the negligent conduct of Obligor, its officers, employees and agents.

Section 5.05 Reimbursement. Obligor hereby assumes responsibility for and agrees to reimburse Oblgee for all liabilities, obligations, losses, damages, penalties, claims, actions, costs and expenses (including reasonable attorneys' fees) of whatsoever kind and nature, imposed on, incurred by or asserted against Oblgee that in any way relate to or arise out of a claim, suit or proceeding, based in whole or in part upon the negligent conduct of Obligor, its officers, employees and agents, or arose out of installation, operation, possession, storage or use of any item of the Equipment, to the maximum extent permitted by law.

VI. Title and Security Interest

Section 6.01 Title. Title to the Equipment shall vest in Obligor when Obligor acquires and accepts the Equipment. Title to the Equipment will automatically transfer to the Oblgee in the event Obligor chooses to not renew under Section 4.01 or in the event Obligor defaults under Section 9.01. In such event, Obligor shall execute and deliver to Oblgee such documents as Oblgee may request to evidence the passage of legal title to the Equipment to Oblgee.

Section 6.02 Security Interest. To secure the payment of all Obligor's obligations under this Contract, as well as all other obligations, debts and liabilities, plus interest thereon, whether now existing or subsequently created, Obligor hereby grants to Oblgee a security interest under the Uniform Commercial Code constituting a first lien on the Equipment described more fully on Exhibit A. Furthermore, Obligor agrees that any other collateral securing any other obligation(s) to Oblgee, whether offered prior to or subsequent hereto, also secures this obligation. The security interest established by this section includes not only all additions, attachments, repairs and replacements to the Equipment but also all proceeds therefrom. Obligor authorizes Oblgee to prepare and record any Financing Statement required under the Uniform Commercial Code to perfect the security interest created hereunder. Obligor agrees that any Equipment listed on Exhibit A is and will remain personal property and will not be considered a fixture even if attached to real property.

VII. Assignment

Section 7.01 Assignment by Obligor. All of Obligor's rights, title and/or interest in and to this Contract may be assigned and reassigned in whole or in part to one or more assignees or sub-assignees by Obligor at any time without the consent of Obligor. No such assignment shall be effective as against Obligor until the assignor shall have filed with Obligor written notice of assignment identifying the assignee. Obligor shall pay all Contract Payments due hereunder relating to such Equipment to or at the direction of Oblgee or the assignee named in the notice of assignment. Obligor shall keep a complete and accurate record of all such assignments.

Section 7.02 Assignment by Obligor. None of Obligor's right, title and interest under this Contract and in the Equipment may be assigned by Obligor unless Oblgee approves of such assignment in writing before such assignment occurs and only after Obligor first obtains an opinion from nationally recognized counsel stating that such assignment will not jeopardize the tax-exempt status of the obligation.

VIII. Maintenance of Equipment

Section 8.01 Equipment. Obligor shall keep the Equipment in good repair and working order, and as required by manufacturer's and warranty specifications. If Equipment consists of copiers, Obligor is required to enter into a copier maintenance/service agreement. Obligatee shall have no obligation to inspect, test, service, maintain, repair or make improvements or additions to the Equipment under any circumstances. Obligor will be liable for all damage to the Equipment, other than normal wear and tear, caused by Obligor, its employees or its agents. Obligor shall pay for and obtain all permits, licenses and taxes related to the ownership, installation, operation, possession, storage or use of the Equipment. If the Equipment includes any titled vehicle(s), then Obligor is responsible for obtaining such title(s) from the State and also for ensuring that Obligatee is listed as First Lienholder on all of the title(s). Obligor shall not use the Equipment to haul, convey or transport hazardous waste as defined in the Resource Conservation and Recovery Act, 42 U.S.C. 6901 et. seq. Obligor agrees that Obligatee or its Assignee may execute any additional documents including financing statements, affidavits, notices, and similar instruments, for and on behalf of Obligor which Obligatee deems necessary or appropriate to protect Obligatee's interest in the Equipment and in this Contract. Obligor shall allow Obligatee to examine and inspect the Equipment at all reasonable times.

IX. Default

Section 9.01 Events of Default defined. The following events shall constitute an "Event of Default" under this Contract:

- (a) Failure by Obligor to pay any Contract Payment listed on Exhibit B for fifteen (15) days after such payment is due according to the Payment Date listed on Exhibit B.
- (b) Failure to pay any other payment required to be paid under this Contract at the time specified herein and a continuation of said failure for a period of fifteen (15) days after written notice by Obligatee that such payment must be made. If Obligor continues to fail to pay any payment after such period, then Obligatee may, but will not be obligated to, make such payments and charge Obligor for all costs incurred plus interest at the highest lawful rate.
- (c) Failure by Obligor to observe and perform any warranty, covenant, condition, promise or duty under this Contract for a period of thirty (30) days after written notice specifying such failure is given to Obligor by Obligatee, unless Obligatee agrees in writing to an extension of time. Obligatee will not unreasonably withhold its consent to an extension of time if corrective action is instituted by Obligor. Subsection (c) does not apply to Contract Payments and other payments discussed above.
- (d) Any statement, material omission, representation or warranty made by Obligor in or pursuant to this Contract which proves to be false, incorrect or misleading on the date when made regardless of Obligor's intent and which materially adversely affects the rights or security of Obligatee under this Contract.
- (e) Any provision of this Contract which ceases to be valid for whatever reason and the loss of such provision would materially adversely affect the rights or security of Obligatee.
- (f) Except as provided in Section 4.01 above, Obligor admits in writing its inability to pay its obligations.
- (g) Obligor defaults on one or more of its other obligations.
- (h) Obligor becomes insolvent, is unable to pay its debts as they become due, makes an assignment for the benefit of creditors, applies for or consents to the appointment of a receiver, trustee, conservator, custodian, or liquidator of Obligor, or all or substantially all of its assets, or a petition for relief is filed by Obligor under federal bankruptcy, insolvency or similar laws, or is filed against Obligor and is not dismissed within thirty (30) days thereafter.

Section 9.02 Remedies on Default. Whenever any Event of Default exists, Obligatee shall have the right to take one or any combination of the following remedial steps:

- (a) With or without terminating this Contract, Obligatee may declare all Contract Payments and other amounts payable by Obligor hereunder to the end of the then current Budget Year to be immediately due and payable.
- (b) With or without terminating this Contract, Obligatee may require Obligor at Obligor's expense to redeliver any or all of the Equipment and any additional collateral to Obligatee as provided below in Section 9.04. Such delivery shall take place within fifteen (15) days after the Event of Default occurs. If Obligor fails to deliver the Equipment and any additional collateral, Obligatee may enter the premises where the Equipment and any additional collateral is located and take possession of the Equipment and any additional collateral and charge Obligor for costs incurred. Notwithstanding that Obligatee has taken possession of the Equipment and any additional collateral, Obligor shall still be obligated to pay the remaining Contract Payments due up until the end of the then current Original Term or Renewal Term. Obligor will be liable for any damage to the Equipment and any additional collateral caused by Obligor or its employees or agents.
- (c) Obligatee may take whatever action at law or in equity that may appear necessary or desirable to enforce its rights. Obligor shall be responsible to Obligatee for all costs incurred by Obligatee in the enforcement of its rights under this Contract including, but not limited to, reasonable attorney fees.

Section 9.03 No Remedy Exclusive. No remedy herein conferred upon or reserved to Obligatee is intended to be exclusive and every such remedy shall be cumulative and shall be in addition to every other remedy given under this Contract now or hereafter existing at law or in equity. No delay or omission to exercise any right or power accruing upon any default shall impair any such right or shall be construed to be a waiver thereof.

Section 9.04 Return of Equipment and Storage.

- (a) Surrender: The Obligor shall, at its own expense, surrender the Equipment, any additional collateral and all required documentation to evidence transfer of title from Obligor to the Obligatee in the event of a default or a non-renewal by delivering the Equipment and any additional collateral to the Obligatee to a location accessible by common carrier and designated by Obligatee. In the case that any of the Equipment and any additional collateral consists of software, Obligor shall destroy all intangible items constituting such software and shall deliver to Obligatee all tangible items constituting such software. At Obligatee's request, Obligor shall also certify in a form acceptable to Obligatee that Obligor has complied with the above software return provisions and that they will immediately cease using the software and that they shall permit Obligatee and/or the vendor of the software to inspect Obligor's locations to verify compliance with the terms hereto.
- (b) Delivery: The Equipment and any additional collateral shall be delivered to the location designated by the Obligatee by a common carrier unless the Obligatee agrees in writing that a common carrier is not needed. When the Equipment and any additional collateral is delivered into the custody of a common carrier, the Obligor shall arrange for the shipping of the item and its insurance in transit in accordance with the Obligatee's instructions and at the Obligor's sole expense. Obligor at its expense shall completely sever and disconnect the Equipment and any additional collateral or its component parts from the Obligor's property all without liability to the Obligatee. Obligor shall pack or crate the Equipment and any additional collateral and all of the component parts of the Equipment and any additional collateral carefully and in accordance with any recommendations of the manufacturer. The Obligor shall deliver to the Obligatee the plans, specifications, operation manuals or other warranties and documents furnished by the manufacturer or vendor on the Equipment and any additional collateral and such other documents in the Obligor's possession relating to the maintenance and methods of operation of such Equipment and any additional collateral.
- (c) Condition: When the Equipment is surrendered to the Obligatee it shall be in the condition and repair required to be maintained under this Contract. It will also meet all legal regulatory conditions necessary for the Obligatee to sell or lease it to a third party and be free of all liens. If Obligatee reasonably determines that the Equipment or an item of the Equipment, once it is returned, is not in the condition required hereby, Obligatee may cause the repair, service, upgrade, modification or overhaul of the Equipment or an item of the Equipment to achieve such condition and upon demand, Obligor shall promptly reimburse Obligatee for all amounts reasonably expended in connection with the foregoing.
- (d) Storage: Upon written request by the Obligatee, the Obligor shall provide free storage for the Equipment and any additional collateral for a period not to exceed 60 days after the expiration of the Contract Term before returning it to the Obligatee. The Obligor shall arrange for the insurance described to continue in full force and effect with respect to such item during its storage period and the Obligatee shall reimburse the Obligor on demand for the incremental premium cost of providing such insurance.

X. Vendor Payable Account

Section 10.01 Establishment of Vendor Payable Account. On the date that the Obligatee executed this Contract, which is on or after the date that the Obligor executes this Contract, Obligatee agrees to (i) make available to Obligor an amount sufficient to pay the total Purchase Price for the Equipment by establishing a separate, non-interest bearing account (the "Vendor Payable Account"), as agent for Obligor's account, with a financial institution that Obligatee selects that is acceptable to Obligor (including Obligatee or any of its affiliates) and (ii) to deposit an amount equal to such Purchase Price as reflected on Exhibit B in the Vendor Payable Account. Obligor hereby further agrees to make the representations, warranties and covenants relating to the Vendor Payable Account as set forth in Exhibit C attached hereto. Upon Obligor's delivery to Obligatee of a Payment Request and Equipment Acceptance Form in the form set forth in Exhibit C attached hereto, Obligor authorizes Obligatee to withdraw funds from the Vendor Payable Account from time to time to pay the Purchase Price, or a portion thereof, for each item of Equipment as it is delivered to Obligor. The Payment Request and Equipment Acceptance Form must be signed by an authorized individual acting on behalf of Obligor. The authorized individual or individuals designated by the Obligor must sign the Signature Card which will be kept in the possession of the Obligatee.

Section 10.02 Down Payment. Prior to the disbursement of any funds from the Vendor Payable Account, the Obligor must either (1) deposit all the down payment funds that the Obligor has committed towards the purchase of the Equipment into the Vendor Payable Account or (2) Obligor must provide written verification to the satisfaction of the Obligatee that all the down payment funds Obligor has committed towards the purchase of the Equipment have already been spent or are simultaneously being spent with the funds requested from the initial Payment Request and Equipment Acceptance Form. For purposes of this Section, the down payment funds committed towards the Equipment from the Obligor are the down payment funds that were represented to the Obligatee at the time this transaction was submitted for credit approval by the Obligor to the Obligatee.

Section 10.03 Disbursement upon Non-Renewal or Default. If an event of non-renewal or default occurs prior to the Partial Prepayment Date, the amount then on deposit in the Vendor Payable Account shall be retained by the Obligatee and Obligor will have no interest therein.

Section 10.04 Surplus Amount. Any Surplus Amount then on deposit in the Vendor Payable Account on the Partial Prepayment Date shall be applied to pay on such Partial Prepayment Date a portion of the Purchase Option Price then applicable.

Section 10.05 Recalculation of Contract Payments. Upon payment of a portion of the Purchase Option Price as provided in Section 10.04 above, each Contract Payment thereafter shall be reduced by an amount calculated by Obligor based upon a fraction the numerator of which is the Surplus Amount and the denominator of which is the Purchase Option Price on such Partial Prepayment Date. Within 15 days after such Partial Prepayment Date, Obligor shall provide to Obligatee a revised Exhibit B to this Contract, which shall take into account such payment of a portion of the Purchase Option Price thereafter and shall be and become thereafter Exhibit B to this Contract. Notwithstanding any other provision of this Section 10, this Contract shall remain in full force and effect with respect to all or the portion of the Equipment accepted by Obligor as provided in this Contract, and the portion of the principal component of Contract Payments remaining unpaid after the Partial Prepayment Date plus accrued interest thereon shall remain payable in accordance with the terms of this Contract, including revised Exhibit B hereto which shall be binding and conclusive upon Obligatee and Obligor.

XI. Miscellaneous

Section 11.01 Notices. All notices shall be sufficiently given and shall be deemed given when delivered or mailed by registered mail, postage prepaid, to the parties at their respective places of business as first set forth herein or as the parties shall designate hereafter in writing.

Section 11.02 Binding Effect. Obligor acknowledges this Contract is not binding upon the Obligatee or its assignees unless the Conditions to Funding listed on the Documentation Instructions have been met to Obligatee's satisfaction, and Obligatee has executed the Contract. Thereafter, this Contract shall inure to the benefit of and shall be binding upon Obligatee and Obligor and their respective successors and assigns.

Section 11.03 Severability. In the event any provision of this Contract shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision hereof.

Section 11.04 Amendments, Addenda, Changes or Modifications. This Contract may be amended, added to, changed or modified by written agreement duly executed by Obligatee and Obligor. Furthermore, Obligatee reserves the right to directly charge or amortize into the remaining balance due from Obligor, a reasonable fee, to be determined at that time, as compensation to Obligatee for the additional administrative expense resulting from such amendment, addenda, change or modification requested by Obligor.

Section 11.05 Execution in Counterparts. This Contract may be simultaneously executed in several counterparts, each of which shall be an original and all of which shall constitute but one and the same instrument.

Section 11.06 Captions. The captions or headings in this Contract do not define, limit or describe the scope or intent of any provisions or sections of this Contract.

Section 11.07 Master Contract. This Contract can be utilized as a Master Contract. This means that the Obligatee and the Obligor may agree to the financing of additional Equipment under this Contract at some point in the future by executing one or more Additional Schedules to Exhibit A and Exhibit B, as well as other exhibits or documents that may be required by Obligatee. Additional Schedules will be consecutively numbered on each of the exhibits which make up the Additional Schedule and all the terms and conditions of the Contract shall govern each Additional Schedule.

Section 11.08 Entire Writing. This Contract constitutes the entire writing between Obligatee and Obligor. No waiver, consent, modification or change of terms of this Contract shall bind either party unless in writing and signed by both parties, and then such waiver, consent, modification or change shall be effective only in the specific instance and for the specific purpose given. There are no understandings, agreements, representations, conditions, or warranties, express or implied, which are not specified herein regarding this Contract, the Equipment or any additional collateral, financed hereunder. Any terms and conditions of any purchase order or other documents submitted by Obligor in connection with this Contract which are in addition to or inconsistent with the terms and conditions of this Contract will not be binding on Obligatee and will not apply to this Contract.

Section 11.09 Acceptance of Obligation to Commence Contract Payments Under Exhibit B. By signing and attesting directly below, Obligor hereby warrants and certifies that: The Equipment described on Exhibit A has not been delivered, installed or available for use as of the Commencement date of this Contract. Obligor acknowledges that Obligatee has agreed to deposit into a Vendor Payable Account an amount sufficient to pay the total purchase price (the "Purchase Price") for the Equipment so identified in such Exhibit A; The principal amount of the Contract Payments in the Exhibit B accurately reflects the Purchase Price; Obligor agrees to execute a Payment Request and Equipment Acceptance Form authorizing payment of the Purchase Price, or portion thereof, for each withdrawal of funds from the Vendor Payable Account

Section 11.10 Obligor further warrants and certifies that: Obligor's obligation to commence Contract Payments as set forth in Exhibit B is absolute and unconditional as of the Commencement Date and on each date set forth in Exhibit B thereafter, subject to the terms and conditions of the Contract; immediately upon delivery and acceptance of all the Equipment, Obligor will notify Obligatee of Obligor's final acceptance of the Equipment by delivering to Obligatee the Payment Request and Equipment Acceptance Form in the form set forth in Exhibit C attached to the Contract; in the event that any Surplus Amount is on deposit in the Vendor Payable Account when an event of non-renewal or default under the Contract occurs, then those amounts shall be applied as provided in Section 10 of the Contract; regardless of whether Obligor delivers a final Payment Request and Equipment Acceptance Form, all Contract Payments paid prior to delivery of all the Equipment shall be credited to Contract Payments as they become due under the Contract as set forth in Exhibit B.

Section 11.11 Resolution and Authorization. By signing and attesting directly below, Obligor hereby warrants and certifies that the Governing Body of the Obligor at either a special or regular meeting or through some other approved method of authorization has determined that this Contract is in the best interests of the Obligor and the Governing Body did at such meeting or through some other approval method approve the entering into of the Contract by the Obligor and specifically designated and authorized the individual(s) who have signed directly below to execute this Contract on Obligor's behalf along with any related documents (including any Escrow Agreement) necessary to the consummation of the transaction contemplated by the Contract.

Obligatee and Obligor have caused this Contract to be executed in their names by their duly authorized representatives listed below.

Town of Firestone, Colorado

KS StateBank

Signature

Printed Name and Title

Signature

Marsha Jarvis, Senior Vice President

Printed Name and Title

Town of Firestone, Colorado

Attested By Authorized Individual:

Signature

Printed Name and Title

EXHIBIT A

DESCRIPTION OF EQUIPMENT

RE: Government Obligation Contract dated as of August 27, 2018, between KS StateBank (Obligee) and Town of Firestone, Colorado (Obligor)

Below is a detailed description of all the items of Equipment including quantity, model number and serial number where applicable:

One (1) Snogo Model WK Snow Plow with Snow Blower Attachment

Physical Address of Equipment after Delivery : 7500 WCR 20, Firestone, CO 80504

EXHIBIT B**PAYMENT SCHEDULE****RE: Government Obligation Contract dated as of August 27, 2018, between KS StateBank (Obligee) and Town of Firestone, Colorado (Obligor)**

Date of First Payment: At Closing
 Original Balance: \$123,405.00
 Total Number of Payments: Four (4)
 Number of Payments Per Year: One (1)

Pmt No.	Due Date	Contract Payment	Applied to Interest	Applied to Principal	*Purchase Option Price
1	At Closing	\$33,367.00	\$0.00	\$33,367.00	\$92,350.97
2	27-Aug-19	\$33,367.00	\$4,943.47	\$28,423.53	\$62,807.30
3	27-Aug-20	\$33,367.00	\$3,382.89	\$29,984.11	\$32,040.52
4	27-Aug-21	\$33,367.00	\$1,736.64	\$31,630.36	\$0.00

Town of Firestone, Colorado

 Signature

 Printed Name and Title

*Assumes all Contract Payments due to date are paid

Please list the Source of Funds (Fund Item in Budget) for the Contract Payments that come due under Exhibit B of this Contract.

Source of Funds : General Fund

EXHIBIT C

PAYMENT REQUEST AND EQUIPMENT ACCEPTANCE FORM

RE: Government Obligation Contract dated as of August 27, 2018, between KS StateBank (Obligee) and Town of Firestone, Colorado (Obligor)

In accordance with Section 10.01, by executing this Payment Request and Equipment Acceptance Form the Obligor hereby represents that the Payee or Payees listed below who are requesting payment have delivered the Equipment or a portion of the Equipment or performed the services to the satisfaction of the Obligor and that the amounts requested below by the Payee or Payees are proportionate with the value of the Equipment delivered or services rendered by the Payee or Payees. The Obligor hereby represents and warrants for all purposes that:

1. Pursuant to the invoice attached hereto, the amount to be disbursed is \$_____ and this amount is consistent with the Contract between Obligor and Vendor.
2. Payment is to be made to: Payee: _____

3. The undersigned certifies that the following documents are attached to this Payment Request and Equipment Acceptance Form when there is a request for a release of funds from the Vendor Payable Account to pay for a portion, or all, of the Equipment: (1) Invoice from the Vendor, (2) copy of the Contract between Obligor and Vendor (if requested by the Obligee), (3) Insurance Certificate (if applicable), (4) front and back copy of the original MSO/Title listing KS StateBank and/or its assigns as the first lien holder (if applicable). By executing this Payment Request and Equipment Acceptance Form and attaching the documents as required above, the Obligor shall be deemed to have accepted this portion of the Equipment for all purposes under the Contract, including, without limitation, the obligation of Obligor to make the Contract Payments with respect thereto in a proportionate amount of the total Contract Payment.
4. No amount listed in this exhibit was included in any such exhibit previously submitted.
5. Each disbursement hereby requested has been incurred and is a proper charge against the Vendor Payable Account. No amount hereby requested to be disbursed will be paid to Obligor as reimbursement for any expenditure paid by Obligor more than 60 days prior to the date of execution and delivery of the Contract.
6. The Equipment referenced in the attached has been delivered, installed, inspected and tested as necessary and in accordance with Obligor's specifications and accepted for all purposes.
7. That Obligor is or will be the title owner to the Equipment referenced in the attached, and that in the event that any third party makes a claim to such title that Obligor will take all measures necessary to secure title including, without limitation, the appropriation of additional funds to secure title to such Equipment, or a portion thereof, and keep the Contract in full force and effect. Furthermore, Obligor has obtained insurance coverage as required under the Contract from an insurer qualified to do business in the State.
8. Obligor has appropriated and/or taken other lawful actions necessary to provide moneys sufficient to pay all Contract Payments required to be paid under the Contract during the current Budget Year of Obligor, and such moneys will be applied in payment of all Contract Payments due and payable during such current Budget Year.
9. No event or condition that constitutes or would constitute an Event of Default exists as of the date hereof.

I, the undersigned, hereby certify that I am a duly qualified representative of Obligor and that I have been given the authority by the governing body of Obligor to sign this Payment Request and Equipment Acceptance Form.

Please forward this document and any correspondence relating to vendor payment to:

Email: kbellinder@ksstate.bank

or

Fax: (785) 587-4016

Please call (877) 587-4054 if you have any questions.

Town of Firestone, Colorado

Signature

Printed Name and Title

EXHIBIT D

SIGNATURE CARD

RE: Government Obligation Contract dated as of August 27, 2018, between KS StateBank (Obligee) and Town of Firestone, Colorado (Obligor)

The below signatures will be used for purposes of verifying the signature on a Payment Request and Equipment Acceptance Form prior to making payments from the Equipment Acquisition Fund or Vendor Payable Account. By signing below, the undersigned represents and warrants that s/he has received all appropriate authority from Town of Firestone, Colorado.

Town of Firestone, Colorado

Signature

Printed Name and Title

Signature of additional authorized individual (optional) of Obligor

Signature

Printed Name and Title

EXHIBIT E

OBLIGOR ACKNOWLEDGEMENT

RE: Government Obligation Contract dated as of August 27, 2018, between KS StateBank (Obligee) and Town of Firestone, Colorado (Obligor)

Obligor hereby acknowledges that it has ordered or caused to be ordered the equipment that is the subject of the above-mentioned Contract.

Please complete the below information, attach another page if necessary

Vendor Name: _____

Equipment: _____

Cost of Equipment: _____

Vendor Name: _____

Equipment: _____

Cost of Equipment: _____

Vendor Name: _____

Equipment: _____

Cost of Equipment: _____

Vendor Name: _____

Equipment: _____

Cost of Equipment: _____

Vendor Name: _____

Equipment: _____

Cost of Equipment: _____

Obligor will immediately notify Obligee if any of the information listed above is changed.

INSURANCE REQUIREMENTS

Pursuant to Article V of the Government Obligation Contract, you have agreed to provide us evidence of insurance covering the Equipment.

A Certificate of Insurance listing the information stated below should be sent to us no later than the date on which the equipment is delivered.

Insured:

Town of Firestone, Colorado
151 Grant Avenue
Firestone, Colorado 80520

Certificate Holder:

KS StateBank
1010 Westloop, P.O. Box 69
Manhattan, Kansas 66505-0069

1. Equipment Description

- ◆ One (1) Snogo Model WK Snow Plow with Snow Blower Attachment
- ◆ Please include all applicable VIN's, serial numbers, etc.

2. Deductible

- ◆ The deductible amounts on the insurance policy should not exceed \$25,000.00.

3. Physical Damage

- ◆ All risk coverage to guarantee proceeds of at least \$123,405.00.

4. Liability

- ◆ Minimum Combined Single Limit of \$1,000,000.00 on bodily injury and property damage.

5. Additional Insured and Loss Payee

- ◆ KS StateBank AOIA (and/or Its Assigns) MUST be listed as additional insured and loss payee.

Please forward certificate as soon as possible to: Email: kbellinder@ksstate.bank
or
Fax: (785) 587-4016

Please complete the information below and return this form along with the Contract.

Town of Firestone, Colorado

Insurance Company: _____

Agent's Name: _____

Telephone #: _____

Fax #: _____

Address: _____

City, State Zip: _____

Email: _____

PREFERRED

*As an additional payment option for Obligor, we are now providing the option of ACH (Automatic Clearing House). By completing this form, Obligor is authorizing Obligee to withdraw said payment amount on said date.

DEBIT AUTHORIZATION

I hereby authorize KS StateBank Government Finance Department to initiate debit entries, and, if necessary, to reinstate returned entries up to two additional times, to the account indicated below at the financial institution named below and to debit the same to such account for:

Contract Number 3354124	Payment Amount \$33,367.00	Frequency of Payments Annual
Beginning _____ Month Year	Day of Month 20th	

I acknowledge that the origination of ACH transactions to this account must comply with the provisions of U.S. law.

Financial Institution Name		Branch	
Address	City	State	Zip
Routing Number		Account Number	

Type of Account

☐ Checking

☐ Savings

This authority is to remain in full force and effect until KS StateBank has received written notification from any authorized signer of the account of its termination in such time and manner as to afford KS StateBank a reasonable opportunity to act on it.

Obligor Name on Contract Town of Firestone, Colorado	
Signature	Printed Name and Title
Tax ID Number 84-0736777	Date

PLEASE ATTACH COPY OF A VOIDED CHECK TO THIS FORM!

USA Patriot Act

USA Patriot Act requires identity verification for all new accounts. This means that we may require information from you to allow us to make a proper identification.

INVOICE

DATE SENT: 08-14-2018

BILL TO:

TOWN OF FIRESTONE, COLORADO
ATTN: ACCOUNTS PAYABLE
151 GRANT AVENUE
FIRESTONE, COLORADO 80520

REMIT TO:

KS STATEBANK
GOVERNMENT FINANCE DEPARTMENT
PO BOX 69
MANHATTAN, KS 66505-0069
FOR INQUIRIES: (877) 587-4054

ACCOUNT NUMBER	PAYMENT DATE	PAYMENT DUE DATE	TOTAL AMOUNT DUE
3354124	At Closing	At Closing	\$33,962.00

DESCRIPTION	AMOUNT
GOVERNMENT OBLIGATION CONTRACT DATED AS OF AUGUST 27, 2018	PAYMENT AMOUNT: \$33,367.00
	DOCUMENTATION FEE: \$595.00
ONE (1) SNOGO MODEL WK SNOW PLOW WITH SNOW BLOWER ATTACHMENT	
<i>Additional interest will be assessed on any payment received after the due date.</i>	
	\$33,962.00
	TOTAL DUE

8038 REVIEW FORM

The 8038 form attached hereto is an important part of the documentation package and must be properly filled out and submitted to the Department of the Treasury in order for you to receive the lower tax-exempt rate. Unless you instruct us otherwise, we have engaged a Paid Preparer to assist in the filling out of this form. The Paid Preparer has filled out the relevant portions of this form based on the current understanding of what is required by the Department of the Treasury. The responses on this 8038 form are based on the dates and amounts which you have requested (structure of the transaction) and which are on the Payment Schedule.

1. Please review our responses for accuracy. If anything is inaccurate, please contact our office so that we can make proper revisions.
2. If the information provided to you on this form is accurate, please sign where indicated and return with the document package.
3. If there are any changes to the structure of the transaction that occur prior to funding which require a change to the 8038 form, we will make such changes and provide notification to you.
4. We will return to you a copy of the 8038 form that was mailed to the Department of the Treasury.

Important Note:

The IRS is now requesting information regarding tax-exempt issuers' and borrowers' written policies and procedures designed to monitor post-issuance compliance with the federal tax rules applicable to tax-exempt obligations (boxes 43 and 44). Do not check items 43 and 44 on the 8038 form unless you have established written procedures in accordance with the instructions referenced directly below. If you choose to "check" items 43 and/or 44, please be prepared to provide copies of such written procedures to the Paid Preparer or any representatives of the IRS upon request. Written procedures should contain certain key characteristics, including making provisions for:

- Due diligence review at regular intervals;
- Identifying the official or employee responsible for review;
- Training of the responsible official/employee;
- Retention of adequate records to substantiate compliance (e.g., records relating to expenditure of proceeds);
- Procedures reasonably expected to timely identify noncompliance; and
- Procedures ensuring that the issuer will take steps to timely correct noncompliance.

For additional guidance on this 8038 form, you can refer to the Documentation Instructions located on the following government website: <http://www.irs.gov/app/picklist/list/formsInstructions.html>, or contact your local IRS office.

Information Return for Tax-Exempt Governmental Obligations

► Under Internal Revenue Code section 149(e)

► See separate instructions.

Caution: If the issue price is under \$100,000, use Form 8038-GC.

OMB No. 1545-0720

Part I Reporting Authority		If Amended Return, check here ☐	
1 Issuer's name Town of Firestone, Colorado		2 Issuer's employer identification number (EIN) 84-0736777	
3a Name of person (other than issuer) with whom the IRS may communicate about this return (see instructions)		3b Telephone number of other person shown on 3a	
4 Number and street (or P.O. box if mail is not delivered to street address) 151 Grant Avenue	Room/suite	5 Report number (For IRS Use Only) 3	
6 City, town, or post office, state, and ZIP code Firestone, Colorado 80520		7 Date of issue 08/27/2018	
8 Name of issue Government Obligation Contract		9 CUSIP number None	
10a Name and title of officer or other employee of the issuer whom the IRS may call for more information (see instructions) Ms. Judy Scott, Accounting Clerk		10b Telephone number of officer or other employee shown on 10a (303) 531-6256	

Part II Type of Issue (enter the issue price). See the instructions and attach schedule.			
11 Education	11		
12 Health and hospital	12		
13 Transportation	13		
14 Public safety	14		
15 Environment (including sewage bonds)	15		
16 Housing	16		
17 Utilities	17		
18 Other. Describe ► One (1) Snogo Model WK Snow Plow with Snow Blower Attachment	18	124,850	07
19 If obligations are TANs or RANs, check only box 19a	►	☐	
If obligations are BANs, check only box 19b	►	☐	
20 If obligations are in the form of a lease or installment sale, check box	►	☐	

Part III Description of Obligations. Complete for the entire issue for which this form is being filed.					
	(a) Final maturity date	(b) Issue price	(c) Stated redemption price at maturity	(d) Weighted average maturity	(e) Yield
21	08/27/2021	\$ 124,850.07	\$ 123,405.00	2.485 years	5.417 %

Part IV Uses of Proceeds of Bond Issue (including underwriters' discount)					
22 Proceeds used for accrued interest	22				
23 Issue price of entire issue (enter amount from line 21, column (b))	23	124,850	07		
24 Proceeds used for bond issuance costs (including underwriters' discount)	24	1,445	07		
25 Proceeds used for credit enhancement	25				
26 Proceeds allocated to reasonably required reserve or replacement fund	26				
27 Proceeds used to currently refund prior issues	27				
28 Proceeds used to advance refund prior issues	28				
29 Total (add lines 24 through 28)	29	1,445	07		
30 Nonrefunding proceeds of the issue (subtract line 29 from line 23 and enter amount here)	30	123,405	00		

Part V Description of Refunded Bonds. Complete this part only for refunding bonds.	
31 Enter the remaining weighted average maturity of the bonds to be currently refunded	► years
32 Enter the remaining weighted average maturity of the bonds to be advance refunded	► years
33 Enter the last date on which the refunded bonds will be called (MM/DD/YYYY)	►
34 Enter the date(s) the refunded bonds were issued ► (MM/DD/YYYY)	

Part VI Miscellaneous

35 Enter the amount of the state volume cap allocated to the issue under section 141(b)(5)	35		
36a Enter the amount of gross proceeds invested or to be invested in a guaranteed investment contract (GIC) (see instructions)	36a		
b Enter the final maturity date of the GIC ▶ _____			
c Enter the name of the GIC provider ▶ _____			
37 Pooled financings: Enter the amount of the proceeds of this issue that are to be used to make loans to other governmental units	37		
38a If this issue is a loan made from the proceeds of another tax-exempt issue, check box ☐ and enter the following information:			
b Enter the date of the master pool obligation ▶ _____			
c Enter the EIN of the issuer of the master pool obligation ▶ _____			
d Enter the name of the issuer of the master pool obligation ▶ _____			
39 If the issuer has designated the issue under section 265(b)(3)(B)(i)(III) (small issuer exception), check box			☐
40 If the issuer has elected to pay a penalty in lieu of arbitrage rebate, check box			☐
41a If the issuer has identified a hedge, check here ☐ and enter the following information:			
b Name of hedge provider ▶ _____			
c Type of hedge ▶ _____			
d Term of hedge ▶ _____			
42 If the issuer has superintegrated the hedge, check box			☐
43 If the issuer has established written procedures to ensure that all nonqualified bonds of this issue are remediated according to the requirements under the Code and Regulations (see instructions), check box			☐
44 If the issuer has established written procedures to monitor the requirements of section 148, check box			☐
45a If some portion of the proceeds was used to reimburse expenditures, check here ☐ and enter the amount of reimbursement. ▶ _____			
b Enter the date the official intent was adopted ▶ _____			

Signature and Consent

Under penalties of perjury, I declare that I have examined this return and accompanying schedules and statements, and to the best of my knowledge and belief, they are true, correct, and complete. I further declare that I consent to the IRS's disclosure of the issuer's return information, as necessary to process this return, to the person that I have authorized above.



Signature of issuer's authorized representative

Date



Type or print name and title

Paid Preparer Use Only

Print/Type preparer's name H. Evan Howe	Preparer's signature <i>H. Evan Howe</i> Digitally signed by H. Evan Howe Date: 2018.08.14 15:27:37 -05'00'	Date 08/14/2018	Check ☐ if self-employed	PTIN P01438994
Firm's Name ▶ Baystone Financial LLC		Firm's EIN ▶ 48-1223987		
Firm's Address ▶ 12980 Metcalf, Suite 310, Overland Park, KS 66213		Phone no. (800) 752-3562		



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Contract # 080114-WAS

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WK



Category: [Loader Mount Snowblowers](#)

Market: [Municipal Equipment](#)

Watch A Video

 [Download WK Brochure](#)

The **SNOGO®** two stage auger, full hydro-mechanical type blower heads are of very compact design, suitable for all snow conditions, and ideal for spot-casting/loading of snow through a discharge or telescopic loading chute. The WK's three 12" horizontal serrated augers feed into a 38" impeller.

Power Package

Blower engine - Volvo 218 HP Tier IV Final Engine, providing output up to 1200 tons per hour. Power is applied hydrostatically from the engine to the blower head eliminating the need for shear pins, clutch and angle drives. Reliability and durability of the impeller and augers is assured by hydraulic reliefs in the drive system.

Sized for 2 to 2.5 cubic yard loaders.

Features

- Bolt-on coupler system for various loader quick hitches
- Drive chain for augers running in oil bath
- Engine cover hinged for better accessibility to internal components

- Turntable rotates 300 degrees
- Standard serrated augers
- Self-adjusting drive chain - for proper tension
- Compact control box & optional wireless controls

Dimensions

- Cutting width 102"
- Blower/Cutting Height 52"
- Height to top of chute (Retracted) 118"
- Height to tipper (chute up, tip up) 138"
- Weight - 7,600lbs less hitch, includes loading chute

"Keeping Ahead of the Cutting Edge™"



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[Site Map](#)



AGENDA INFORMATION MEMORANDUM

FIRESTONE TOWN BOARD OF TRUSTEES



AIM#: 8.d.

Discussion/Action

Meeting Date: August 22, 2018

Initiated By:

Dept: Police

AGENDA TITLE

Phase 2 - Building and Site Package GMP Amendment for the Police Station

SUMMARY

The second phase of the new Firestone Police Station project is nearly ready to commence. The construction plans and specification will be completed by September 1, 2018. The building permit has already been applied for the design team are making final revisions.

The Phase 2 work will consist of construction of the building and its associated plumbing, mechanical, electrical, and IT/Security systems. It will also include completion of the site work not being done with Phase 1 including completing the parking lot, irrigation system, and landscaping. If approved, the project is expected to be completed by the end of August 2019.

HISTORY AND PREVIOUS BOARD ACTION

The Board approved the CMGC contract with FCI Constructors, Inc. at the regular meeting on March 14, 2018.

The Board approved the Phase 1 GMP Amendment to the CMGC contract with FCI Constructors, Inc. at the regular meeting on June 13, 2018.

RECOMMENDATION

Staff recommends the Board of Trustees approve the Phase 2 - Building and Site GMP Amendment for an amount not to exceed \$10,669,366.00 and authorize the Mayor to execute the amendment on behalf of the Town.

ALTERNATIVES

The Board could choose to direct staff to renegotiate the terms of the amendment or direct staff to put the project out for bids.

ATTACHMENTS

1. A133ExhibitA-2009 - Phase 2 GMP (2018.08.16)_FINAL_R1
2. Exhibit A
3. Exhibit B
4. Exhibit C

FINANCIAL CONSIDERATIONS

The Town has an established budget for the project, inclusive of all costs, of approximately \$15.9 Million. The funding for the project is from the 2017 0.60% Sales Tax Initiative and an \$800,000.00 DOLA grant the Town received. The total budgeted cost for the site and building was approximately \$12,800,000. The combined Phase 1 and Phase 2 GMP Amendments totals \$12,797,245.



AIA[®] Document A133[™] – 2009 Exhibit A

Guaranteed Maximum Price Amendment

for the following PROJECT:

(Name and address or location)

Firestone Police Department & Municipal Court, Phase 2 - Building & Site Package
2 Park Avenue, Building A
Firestone, CO 80504

THE OWNER:

(Name, legal status and address)

Town of Firestone, Colorado a Colorado municipal corporation
PO Box 100
151 Grant Avenue
Firestone, CO 80520

THE CONSTRUCTION MANAGER:

(Name, legal status and address)

FCI Constructors, Inc.
4015 Coriolis Way
Frederick, CO 80504

ARTICLE A.1

§ A.1.1 Building & Site Package Guaranteed Maximum Price

Pursuant to Section 2.2.6 of the Agreement, the Owner and Construction Manager hereby amend the Agreement to establish a Guaranteed Maximum Price for the project Phase 2 Building & Site Package. As agreed by the Owner and Construction Manager, the Building & Site Package Guaranteed Maximum Price is an amount that the Building & Site Package Contract Sum shall not exceed. The Civil & Site Package Contract Sum consists of the Construction Manager's Fee plus the Cost of the Work, as that term is defined in Article 6 of this Agreement specific to the Phase 2 - Building & Site Package construction. The Phase 2 – Building & Site Package is the second planned stage of construction for the Project. The scope of the Phase 2 Work includes, but is not limited to, construction of the building, installation of building plumbing and electrical, installation of building equipment and finishes, completion of the parking lot and concrete curbs and walks, and installation of the irrigation system and landscaping. The Phase 2 improvements will overlap with the Phase 1 improvements and, when completed, will complete the Project.

§ A.1.1.1 The Building & Site Package Contract Sum is guaranteed by the Construction Manager not to exceed Ten Million Six Hundred Sixty Nine Thousand Three Hundred Sixty Six Dollars and Zero Cents (\$ 10,669,366), subject to additions and deductions by Change Order as provided in the Contract Documents.

§ A.1.1.2 Itemized Statement of the Building & Site Package Guaranteed Maximum Price.

Provided below is an itemized statement of the Building & Site Package Guaranteed Maximum Price organized by trade categories, allowances, contingencies, alternates, the Construction Manager's Fee, and other items that comprise the Guaranteed Maximum Price.

(Paragraph Deleted)

ADDITIONS AND DELETIONS:

The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

AIA Document A201[™]–2007, General Conditions of the Contract for Construction, is adopted in this document by reference. Do not use with other general conditions unless this document is modified.

Init.

(see attached Exhibit A)

§ A.1.1.3 The Building & Site Package Guaranteed Maximum Price is based on the following alternates, if any, which are described in the Building & Site Package Contract Documents and are hereby accepted by the Owner:
(Paragraph Deleted)

(not applicable.)

§ A.1.1.4 Allowances included in the Building & Site Package Guaranteed Maximum Price, if any:
(Identify allowance and state exclusions, if any, from the allowance price.)

Item	Price (\$0.00)
None	

§ A.1.1.5 Assumptions, if any, on which the Building & Site Package Guaranteed Maximum Price is based:
see attached Exhibit B

§ A.1.1.6 The Building & Site Package Guaranteed Maximum Price is based upon the following Supplementary and other Conditions of the Contract:

Document	Title	Date	Pages
none			

§ A.1.1.7 The Guaranteed Maximum Price is based upon the following Specifications:
(Either list the Specifications here, or refer to an exhibit attached to this Agreement.)
Project Manual for Phase II – Firestone Police Department & Municipal Court Package

Section	Title	Date	Pages
---------	-------	------	-------

§ A.1.1.8 The Guaranteed Maximum Price is based upon the following Drawings:
(Either list the Drawings here, or refer to an exhibit attached to this Agreement.)
Phase II – Firestone Police Department & Municipal Court Construction Documents

Number	Title	Date
--------	-------	------

§ A.1.1.9 The Guaranteed Maximum Price is based upon the following other documents and information:
(List any other documents or information here, or refer to an exhibit attached to this Agreement.)

Phase 2 GMP 75P CD with Trend Log dated 8/16/2018 listing a total Guaranteed Maximum Price for Phase 1 and Phase 2 of the Firestone Police Department and Municipal Court of \$12,797,245 (Phase 1 GMP \$2,127,897 + Phase 2 GMP \$10,669,366)
Quals and Assumptions Firestone Police PH2 75P GMP
Enumeration Report Phase 2 GMP

ARTICLE A.2

§ A.2.1 The anticipated date of Substantial Completion established by this Amendment:

August 21, 2019

Init.

OWNER *(Signature)*
Bobbi Sindelar Mayor

(Printed name and title)

CONSTRUCTION MANAGER *(Signature)*

(Printed name and title)



Init.

Additions and Deletions Report for AIA® Document A133™ – 2009 Exhibit A

This Additions and Deletions Report, as defined on page 1 of the associated document, reproduces below all text the author has added to the standard form AIA document in order to complete it, as well as any text the author may have added to or deleted from the original AIA text. Added text is shown underlined. Deleted text is indicated with a horizontal line through the original AIA text.

Note: This Additions and Deletions Report is provided for information purposes only and is not incorporated into or constitute any part of the associated AIA document. This Additions and Deletions Report and its associated document were generated simultaneously by AIA software at 20:07:42 on 08/16/2018.

PAGE 1

Firestone Police Department & Municipal Court, Phase 2 - Building & Site Package
2 Park Avenue, Building A
Firestone, CO 80504

...

Town of Firestone, Colorado a Colorado municipal corporation
PO Box 100
151 Grant Avenue
Firestone, CO 80520

...

FCI Constructors, Inc.
4015 Coriolis Way
Frederick, CO 80504

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§ A.1.1 Building & Site Package Guaranteed Maximum Price

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Pursuant to Section 2.2.6 of the Agreement, the Owner and Construction Manager hereby amend the Agreement to establish a Guaranteed Maximum ~~Price~~. Price for the project Phase 2 Building & Site Package. As agreed by the Owner and Construction Manager, the Building & Site Package Guaranteed Maximum Price is an amount that the Building & Site Package Contract Sum shall not exceed. The Civil & Site Package Contract Sum consists of the Construction Manager's Fee plus the Cost of the Work, as that term is defined in Article 6 of this ~~Agreement~~. Agreement specific to the Phase 2 - Building & Site Package construction. The Phase 2 – Building & Site Package is the second planned stage of construction for the Project. The scope of the Phase 2 Work includes, but is not limited to, construction of the building, installation of building plumbing and electrical, installation of building equipment and finishes, completion of the parking lot and concrete curbs and walks, and installation of the irrigation system and landscaping. The Phase 2 improvements will overlap with the Phase 1 improvements and, when completed, will complete the Project.

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§ A.1.1.1 The Building & Site Package Contract Sum is guaranteed by the Construction Manager not to exceed Ten Million Six Hundred Sixty Nine Thousand Three Hundred Sixty Six Dollars and Zero Cents (\$ 10,669,366), subject to additions and deductions by Change Order as provided in the Contract Documents.

...

§ A.1.1.2 Itemized Statement of the Building & Site Package Guaranteed Maximum Price. Provided below is an itemized statement of the Building & Site Package Guaranteed Maximum Price organized by trade categories, allowances, contingencies, alternates, the Construction Manager's Fee, and other items that comprise the Guaranteed Maximum Price.

...

(Provide below or reference an attachment.)

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(see attached Exhibit A)

...

§ A.1.1.3 The Building & Site Package Guaranteed Maximum Price is based on the following alternates, if any, which are described in the Building & Site Package Contract Documents and are hereby accepted by the Owner:

...

(State the numbers or other identification of accepted alternates. If the Contract Documents permit the Owner to accept other alternates subsequent to the execution of this Amendment, attach a schedule of such other alternates showing the amount for each and the date when the amount expires.)

...

(not applicable.)

...

§ A.1.1.4 Allowances included in the Building & Site Package Guaranteed Maximum Price, if any:

...

None

...

§ A.1.1.5 Assumptions, if any, on which the Building & Site Package Guaranteed Maximum Price is based:

...

see attached Exhibit B

...

§ A.1.1.6 The Building & Site Package Guaranteed Maximum Price is based upon the following Supplementary and other Conditions of the Contract:

...

none

...

Project Manual for Phase II – Firestone Police Department & Municipal Court Package

...

Phase II – Firestone Police Department & Municipal Court Construction Documents

...

Phase 2 GMP 75P CD with Trend Log dated 8/16/2018 listing a total Guaranteed Maximum Price for Phase 1 and Phase 2 of the Firestone Police Department and Municipal Court of \$12,797,245 (Phase 1 GMP \$2,127,897 + Phase 2 GMP \$10,669,366)

Quals and Assumptions Firestone Police PH2 75P GMP

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Enumeration Report Phase 2 GMP

...

August 21, 2019

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Bobbi Sindelar Mayor

Certification of Document's Authenticity

AIA® Document D401™ – 2003

I, Brian Berryhill, hereby certify, to the best of my knowledge, information and belief, that I created the attached final document simultaneously with its associated Additions and Deletions Report and this certification at 20:07:42 on 08/16/2018 under Order No. 1213187517 from AIA Contract Documents software and that in preparing the attached final document I made no changes to the original text of AIA® Document A133™ - 2009 Exhibit A, Guaranteed Maximum Price Amendment, as published by the AIA in its software, other than those additions and deletions shown in the associated Additions and Deletions Report.

(Signed)

(Title)

(Dated)

EXHIBIT A



Firestone Police & Municipal Courts

Project Location: 7 Park Avenue Firestone, CO 80504
 Estimate Type: 75% CD
 Project Duration: 12.5
 Project SF: 29,080
 Estimator: Chris McNamara

Revision: 0

16-Aug-18

Description			Total Cost	\$ per SF	PH 1 Civil Package	PH 2 Building
Division 01	GENERAL REQUIREMENTS		\$ 780,366	\$ 26.84	\$ 43,780	\$ 736,586
Division 02	EXISTING CONDITIONS		\$ 39,856	\$ 1.37	\$ 38,866	\$ 990
Division 03	CONCRETE		\$ 456,192	\$ 15.69	\$ -	\$ 456,192
Division 04	MASONRY		\$ 498,268	\$ 17.13	\$ -	\$ 498,268
Division 05	METALS		\$ 909,518	\$ 31.28	\$ -	\$ 909,518
Division 06	WOOD & PLASTIC		\$ 359,139	\$ 12.35	\$ -	\$ 359,139
Division 07	THERMAL & MOISTURE PROTECTION		\$ 1,253,349	\$ 43.10	\$ 2,060	\$ 1,251,289
Division 08	DOORS & WINDOWS		\$ 677,522	\$ 23.30	\$ 2,400	\$ 675,122
Division 09	FINISHES		\$ 1,523,229	\$ 52.38	\$ -	\$ 1,523,229
Division 10	SPECIALTIES		\$ 358,609	\$ 12.33	\$ 19,820	\$ 338,789
Division 11	EQUIPMENT		\$ 168,748	\$ 5.80	\$ -	\$ 168,748
Division 12	FURNISHINGS		\$ 30,227	\$ 1.04	\$ -	\$ 30,227
Division 13	SPECIAL SYSTEMS		\$ -	\$ -	\$ -	\$ -
Division 14	CONVEYING SYSTEMS		\$ -	\$ -	\$ -	\$ -
Division 21	FIRE SUPPRESSION		\$ 94,400	\$ 3.25	\$ -	\$ 94,400
Division 22	PLUMBING		\$ 1,567,833	\$ 53.91	\$ -	\$ 1,567,833
Division 23	HVAC		\$ 12,000	\$ 0.41	\$ -	\$ 12,000
Division 26	ELECTRICAL		\$ 1,157,271	\$ 39.80	\$ 137,230	\$ 1,020,041
Division 27	COMMUNICATIONS		\$ 332,273	\$ 11.43	\$ -	\$ 332,273
Division 28	ELECTRONIC SAFETY & SECURITY		\$ 140,500	\$ 4.83	\$ -	\$ 140,500
Division 31	EARTHWORK		\$ 300,746	\$ 10.34	\$ 279,399	\$ 21,347
Division 32	EXTERIOR IMPROVEMENTS		\$ 1,361,320	\$ 46.81	\$ 1,073,378	\$ 287,942
Division 33	UTILITIES		\$ 353,964	\$ 12.17	\$ 351,249	\$ 2,715
SUBTOTAL			\$ 12,375,330		\$ 1,948,182	\$ 10,427,148
BUILDING PERMIT & PLAN CHECK FEE	BY OTHERS	\$ -			\$ -	\$ -
USE TAX	0.00%	\$ -			\$ -	\$ -
BID CONTINGENCY	0.00%	\$ -			\$ -	\$ -
ANTICIPATED ESCALATION	0.00%	\$ -			\$ -	\$ -
CONTRACTOR'S CONTINGENCY	3.00%	\$ 371,262			\$ 58,445	\$ 312,825
SUBCONTRACTOR DEFAULT INSURANCE	BY FCI	\$ 182,447			\$ 28,726	\$ 153,730
GENERAL LIABILITY INSURANCE	BY FCI	\$ 94,602			\$ 14,895	\$ 79,712
BUILDER'S RISK INSURANCE	BY FCI	\$ 5,946			\$ 936	\$ 5,010
PERFORMANCE AND PAYMENT BOND	BY FCI	\$ 66,375			\$ 10,575	\$ 55,928
PRECONSTRUCTION FEE	LUMP SUM	\$ 25,000			\$ 4,143	\$ 21,065
FCI OVERHEAD AND FEE	3.00%	\$ 393,629			\$ 61,977	\$ 331,294
ESTIMATE TOTAL:			\$ 13,514,591	\$ 464.74	\$ 2,127,879	\$ 11,386,712
				\$ per SF		

Firestone Police and Municipal Courts

BUDGET TREND LOG - POTENTIAL SCOPE CHANGES, TRACKING ITEMS AND VALUE ENGINEERING

DATE: Phase 2 GMP Trend Log: 8/16/2018

BUDGET GOAL	\$	12,800,000
CURRENT ESTIMATE	\$	13,514,591

ITEM#	DESCRIPTION	STATUS	PENDING	APPROVED	REJECTED	CLARIFICATIONS
New Items / Recent Decisions / and Remaining Pending Items						
8	Owner savings on special inspections generated by using an AISC Certified Fabricator?	P	TBD			Pending Owner feedback
23	Modifications to Metal Plate Wall Panel, MT-1, MT-2 and MT-3 per e-mail by Chris McNamara to RSA dated 8/16/2018 9:57am	A		(68,937)		
37	Delete basket tray and 4" EMT raceways above hard lid areas and use bridal rings or other by Division 27	R			(10,451)	Pending SSR acceptance
41	Eliminate the Oko Skin at the Mechanical Yard, and replace with combed texture block facing the exterior (cannot be taken with VE Item #41a or #41b)	P	(39,711)			Credit is based on combed texture facing exterior
(or) 41b	Replace the Oko Skin at the East face of the Mechanical Yard with combed textured block facing the exterior (cannot be taken with VE Item #41 or #41a)	P	(8,874)			
43	Move the Asphalt "Additional Parking" to an Alternate per the 100% DD Set; Replace with irrigated seed.	P	(37,909)			Alternate for future
(or) 43a	Move the Asphalt "Additional Parking" to an Alternate per the 100% DD Set; Replace with 6" of recycled asphalt (only at the Southern radiused parking, keep the North parking as asphalt)	P	(23,120)			Alternate for future
58	Price Tactical Cubbies / Duty Bag Lockers without Custom Mail Slot and Sheet Metal Mail Shelf.	A		(3,038)		
64	Remove AV / TV in #141 Break Room	P	(2,484)			
65	Remove AV / TV in #102 Lobby	P	(4,374)			
66	Remove Miscellaneous Steel in Judge's Bench / Break Room Island (CURRENTLY SHOWN IN THE 100% CD'S)	A		(18,260)		
68	Reduced Steel in PD Canopy (Pending Structural Review)	R			NA	2LB Savings
71	Savings with going to a grey mortar w/ IWR at all comb/ decorative block locations	A		(868)		
72	Provide CAT6 cabling in lieu of CAT6A for the Wireless Access Points	P	(5,336)			
74	Change 4" EMT raceways above hard lids to 3" EMT	A		(1,180)		
75	Omit Hydromulch in native seeded areas	P	(9,359)			
76	Substitute Sure-Loc edging for Roll top steel edging	P	(2,164)			
77	Installing bed drip lines under the mulch instead of burying it 6" deep	P	(3,223)			
78	Omitting distributed tubing stake and bug cap from drip emitters	P	(2,295)			
79		P	0			
Previously Accepted Items						
(or) 2b	Same as Item 2a, but replace with a poly alternative product (Dura-line innerducts)	A		(3,648)		Two innerducts per conduit
3	Eliminate EZ path fire rated devices and install 2" EMT sleeves sealed with fire caulk	A		(3,940)		
4	Install standard 20A duplex receptacles in lieu of 20A duplex receptacle with USB ports in locker room	A		(1,569)		
5	Allow use of 3/4" conduit for LV conduit stubs in lieu of 1" per recommendations from SSR dated 7.27.18	A		(2,887)		
6	Install two (2) 2" PVC conduits from the 300A spare breaker in the generator to the main electrical room	A		1,454		
7	Go back to previous specified Acoustical Deck 1.5BA in lieu of Cellular Ceiling/ Deck	A		(137,361)		
13	Provide 24GA steel, std color prefinished 7" seamless box gutter and downspouts to exterior wall in lieu of an internal gutter system	A		(29,676)		
14	Provide standard storefront doors at Vestibules 101 and 142 in lieu of all glass doors	A		(75,993)		
15	In lieu of Viracon VRE-2638 provide and install locally sourced Guardian or PPG	A		(26,751)		Pending performance data acceptance by RSA
19	Go to chain-link fencing for the storage lockers, Vault and Canine Kennels in lieu of Ameristar Welded Wire Fabric	A		(26,314)		

20	Delete glass projection magnetic whiteboard at training	A		(14,490)		Alternate for future
21	Eliminate Christy system associated with A/V and simplify eliminate all Clickshare (add for \$1,682 ea)	A		(68,850)		
22	Burnished concrete at lobby in lieu of tile	A		(17,762)		Alternate for future
(or) 25b	Eliminate PORTIONS of the 3/8" steel plate at the top of the parapets and underside of the canopies; PER FCI sketch (approximately 340LF)	A		(4,000)		
26	Make 12 lockers future lockers to be deducted from the base bid	A		(18,684)		Alternate for future
27	Eliminate canted structure on the SW of the building (Set aside an Allowance of \$20K for this area)	A		(42,581)		
28	Reduce Lighting and Lighting Controls per VE Fixture package released by RSA on 7.27.18	A		(59,691)		Accepted at 7.31 meeting; new value from vendor
30	Move full height fridge & freezer at Room 173 ID Lab to FFE Budget	A		(17,989)		
31	Move Safume Cyanoacrylate Chamber to FFE Budget	A		(4,280)		
32	Move Forensic Evidence Drying Cabinet to FFE Budget	A		(11,432)		
34	Remove WAT 9Wood paneling from the Millworkers scope (Acoustical ceiling sub has this covered)	A		(28,257)		
36	Remove WAT 9Wood paneling from the Jury Box (Only taking \$4k leaving \$2k allowance for another finish)	A		(4,000)		
38	Eliminate 3 WP GFI's and circuits HP-9 & 11 in public parking area (islands with no trees designated)	A		(1,460)		
39	Delete all electrical outlets shown at every locker (retain circuits for locker provided integral power)	A		(5,301)		
47	Go to White TPO in lieu of White EPDM	A		(15,555)		Firm credit from sub. Town decision pending
48	Remove 9 Wood Soffit Material from PD Entry Canopy and Entry Vestibule, and replace with painted exposed deck; Includes a \$1,500 Allowance for Bird Control	A		(34,632)		
49	Replace Ameristar Impasse II / Gate with Ameristar Commercial Montage or another fencing manufacturer	A		(38,712)		Town to confirm final acceptance based on final value
50	Remove Oko Skin from Entry Signage Wall	A		(3,640)		Pending RSA okay with change pending value.
53	Simplify or remove half-way and counter tops at Court Clerk and Receptionist, see mark-up.	A		(4,740)		Accepted at 7.31 meeting; new value from vendor
54	Delete 9 Wood removable partition and move to FF&E (ALREADY DELETED PER ADDENDUM #1)	A		Inc Add #1		
55	Remove 9 Wood from Jury Box (SEE ITEM #36)	A		Inc #36		
56	Set aside budget for increases forthcoming from scope refinement and building department review (ALLOWANCE)	A		100,000		
57	Replace Ameristar Commercial Montage with chain-link fencing in #200 Mechanical Yard	A		(975)		
59	Remove Casework and Countertop on North Wall in #165 Copy Room; Replace with Slotted Personnel Mail Boxes. (5/A7.35) (CURRENT GUESS)	A		(2,850)		Pending sub input
60	Remove Berridge Thin-Line Panels from #178 Canine Run (Exterior) and immediately adjacent PD entry. (Approx. 104sf)	A		(1,837)		
61	Remove Berridge Thin-Line Panel surround from Door #131B (Approx. 104sf)	A		(1,837)		
63	Remove Work Surface and Half-Wall in #197 MDF (1/T-401) (CURRENT GUESS)	A		(713)		Pending sub input
69	Reduced / Removed Data Drops per Drawing released on 8/6/18	A		(13,012)		
70	Removal of W16x26 in #141 Break Room	A		(1,100)		
Previously Rejected Items						
1	Provide alternate lighting package from TLA (1st round of VE per meeting on 6.27.18)	R			(14,709)	This is now incorporated into Line item #28 above
2a	Delete 2" two-channel Maxcell innerduct from 4" PVC conduits shown on sheet T-100, no replacement	R			(15,554)	
(or) 2c	Same as Item 2a, but add another 4" PVC conduit from the MDF to the first junction box to the pedestal	R			(8,294)	Previously item #44
(or) 2d	Same as Item 2a, but add another 2" PVC conduit from the MDF to the first junction box to the pedestal	R			(12,165)	Previously item #45
44	Item deleted - Integrated into Item #2c					
45	Item deleted - Integrated into Item #2d					
9	Defer to potential future contingency (Car Port)	R			(168,374)	

10	ABBA fees with regards to 07 21 19 Foamed in place Insulation	R			10,850	
11	Clamp-to-seam snow fence - 2 rows at standing seam metal main roof only	R			19,530	
12	Install ice and water guard underlayment in lieu of 30# felt at standing seam metal roofing	R			19,530	
16	Substitute 6" fiberglass batts at 6" partitions in lieu of 3" mineral wool SAFB	R			(1,552)	
17	Add Security Ultra 800 film with Dow Corning Blast Bead to the pair of exterior doors (101) and two sidelights for refuge vestibule	R			3,432	Save for Alternate at a later time
18	Move fitness flooring to FFE budget (Owner responsible for thresholds, glue, delivery, storage and inventory)	R			(10,504)	
24	Alternate standing seam metal roofing Manufacturer (NO PROJECTED SAVINGS)	R			NO SAVINGS	
25a	Eliminate the 3/8" steel plate at the top of the parapets and underside of the canopies	R			(32,550)	
29	Upgrade to stainless steel toilet partitions in lieu of the powder coated steel specified in A0.09	R			6,464	
33	Upgrade Roller shades at the Courtroom to include dual shades with the second shade being a blackout shade	R			22,264	
35	Go from a painted black finish to anodized at the Storefront systems	R			(1,302)	
40	Reduction in Window Shades (NO CREDIT SINCE ADDENDUM #1 ALREADY INCLUDED CHANGES)	R			0	
(or) 41a	Replace the Oko Skin at the Mechanical Yard with Fiberon (cannot be taken with VE Item #41 or #41b)	R			(15,433)	
46	Go to Black EPDM in lieu of White EPDM (cannot accept with #47)	R			TBD	
51	Remove CPT-2 from Main Corridor, replace with polished concrete.	R			13,217	Assume rejected due to increase.
52	Item deleted - Repetitive Item with #53	R			N/A	
62	Unpainted Interior Metal Doors, see attached image	R			NO SAVINGS	
67	Remove Pass-Thru in #105 Training Room (Metal wrap in #23 above)	R			NO SAVINGS	
73	Add Valley Pan at the half circle parking area	R			TBD	Pending input from Civil
TOTAL PENDING ITEMS:			\$ (138,849)			LEGEND A = ACCEPTED P = PENDING R = REJECTED X = DEPENDENT ITEM
TOTAL ACCEPTED ITEMS:			\$ (717,346)			
TOTAL ITEMS DEPENDENT ON OTHER ITEMS:						
TOTAL REJECTED ITEMS:				\$ (195,600)		
CURRENT ESTIMATE WITH ACCEPTED ITEMS:				\$ 12,797,245		
CURRENT ESTIMATE WITH ACCEPTED AND PENDING ITEMS:				\$ 12,658,396		
SAVINGS NEEDED TO REACH BUDGET (AFTER ACCEPTED + PENDING):				\$ (141,604)		

Budget Surplus \$ 2,755

PROJECT NAME: Firestone Police & Municipal Courts

ESTIMATOR: Chris McNamara

PROJECT SQFT: 29080

PROJECT DURATION: 12.5

Description	Quantity	Unit \$	Total \$
Division 01 GENERAL REQUIREMENTS			
GENERAL CONDITIONS			
PROJECT STAFF AND SUPPORT		0.00	0
SUPERINTENDENT #1	2,320 HOURS	100.55	233,276
FIELD ENGINEER	1,920 HOURS	68.04	130,637
PROJECT ENGINEER	640 HOURS	68.04	43,546
PROJECT MANAGER	640 HOURS	111.13	71,123
PROJECT COORDINATOR	381 HOURS	50.40	19,202
FUEL BUDGET - GC STAFF	11 MONTHS	582.00	6,402
MEALS	11 MONTHS	150.00	1,650
TEMPORARY FACILITIES		0.00	0
OFFICE TRAILER, SINGLE WIDE 60X12	11 MONTHS	600.00	6,600
TRAILER MOVE IN / OUT	1 LSUM	3,500.00	3,500
GC COMPOUND SET-UP / TEARDOWN	1 LSUM	1,500.00	1,500
STORAGE VAN / CONNEX	11 MONTHS	225.00	2,475
TEMPORARY POWER PER A201- 3.4.1	29,080 SQFT	0.25	7,270
GENERATOR & FUEL - 5000W	4 MONTHS	3,038.00	12,152
PHONE / INTERNET	11 MONTHS	177.27	1,950
SMART PHONE	11 MONTHS	160.00	1,760
TECHNOLOGY PER IT USER	11 MONTHS	490.00	5,390
REPRODUCTION AND PRINTING		0.00	0
PLAN REPRODUCTION	1 LSUM	500.00	500
OFFICE SUPPLIES	11 MONTHS	125.00	1,375
COPIER / SCANNER	11 MONTHS	200.00	2,200
OTHER OFFICE EQUIPMENT RENT	11 MONTHS	50.00	550
CLEANING		0.00	0
FINAL CLEAN	29,080 SQFT	0.23	6,688
STREET CLEANING	8 DAYS	300.00	2,400
DAILY CLEAN-UP - CONCRETE	10 WKS	292.05	2,921
DAILY CLEAN-UP - MASONRY	12 WKS	405.75	4,869
DAILY CLEAN-UP - FINISHES	16 WKS	584.10	9,346
TOOLS/ EQUIPMENT		0.00	0
SMALL TOOLS	11 MNTH	250.00	2,750
FORKLIFT AND FUEL	6 MTHS	3,150.00	18,900
SKIDSTEER, W/ ATTACHMENTS AND FUEL	8 MTHS	2,650.00	21,200
SITE VEHICLE		0.00	0
PICKUP RENTAL - GC STAFF	11 MONTHS	1,025.00	11,275
TEMPORARY SERVICES		0.00	0
TEMP. CHAIN LINK FENCING	2,910 LNFT	4.83	14,055
PRIVACY SCREEN - ENVIRO RED	2,910 LNFT	3.13	9,108
FCI BRANDED PANEL - FLEX MESH SCREEN	10 EACH	390.00	3,900
PROJECT SIGN	1 EACH	918.00	918
FINISHES- TEMPORARY HEAT EQUIPMENT RENTAL (DEC.-APRIL)	29,080 SQFT	0.58	16,866
FINISHES- TEMPORARY HEATER PROPANE (DEC. - APRIL / \$1.53 PER	29,080 SQFT	0.98	28,498
TEMPORARY TOILET	11 MONTHS	480.00	5,280
DUMPSTERS	38 EACH	375.00	14,250
SAFETY AND SECURITY		0.00	0
JOBSITE CCTV AND MONITORING	11 MNTH	645.00	7,095
ENGINEERING		0.00	0
BOUNDARY VERIFICATION, CONTROL AND CALCS	1 LSUM	2,850.00	2,850
CONSTRUCTION PERMITTING		0.00	0
BUILDING PERMIT (NO CHARGE PER FIRESTONE BUILDING DEPT)	NO CHARGE	0.00	0
FREDERICK-FIRESTONE FIRE DEPARTMENT PLAN REVIEW CHARGE	NO CHARGE	0.00	0

NORTHERN WATER DISTRICT PLAN REVIEW CHARGE	EXCLUDED	0.00	0
SWMP PERMIT (FIRESTONE MS4)	1 LSUM	385.00	385
PROJECT INSURANCE BONDING AND WARRANTIES		0.00	0
SEE SUMMARY SHEET		0.00	0
TOTAL GENERAL CONDITIONS			736,612
Total Division 01 GENERAL REQUIREMENTS			\$736,612

Division 02 EXISTING CONDITIONS

SURVEYING

CANOPY COLUMNS	11 EACH	90.00	990
TOTAL SURVEYING			990
Total Division 02 EXISTING CONDITIONS			\$990
			0
			0

Division 03 CONCRETE

FOUNDATIONS

03 30 00 CAST-IN-PLACE CONCRETE		0.00	0
CONCRETE FOUNDATIONS PACKAGE	1 SUB	172,527.00	172,527
FOOTINGS		0.00	0
FORM AND POUR FOOTINGS - 1' T X 2' W	2,068 LNFT	0.00	0
FORM AND POUR FOOTINGS - 1' T X 2'-8" W	128 LNFT	0.00	0
FORM AND POUR FOOTINGS - 1' T X 3' W	160 LNFT	0.00	0
FORM AND POUR FOOTINGS - 1' T X 5' W	98 LNFT	0.00	0
FORM AND POUR FOOTINGS - 2'-6" T X 6' W	70 LNFT	0.00	0
MONUMENT WALL FOOTING - 3'-6" W X 1' TH	80 LNFT	0.00	0
CREDIT FOR MONUMENT WALL FOOTING AND WALL REDUCTION	1 LSUM	-7,200.00	-7,200
TRIANGLE AREA FOOTING 3'-6" W X 1' T H	574 LNFT	0.00	0
PAD FOOTINGS - 4' X 4' X 1' TH	336 LNFT	0.00	0
PAD FOOTINGS - 5' X 5' X 1' TH	75 LNFT	0.00	0
PAD FOOTINGS - 6' X 6' X 1' TH	216 LNFT	0.00	0
STEM WALLS AND GRADE BEAMS		0.00	0
FORM WALLS - 2' TALL X 8" TH	176 SFCA	0.00	0
FORM WALLS - 2'-6" TALL X 8" TH	4,795 SFCA	0.00	0
FORM WALLS - 2'-6" TALL X 1'-4" TH	365 SFCA	0.00	0
FORM WALLS - 4' TALL X 1' TH	464 SFCA	0.00	0
FORM WALLS - 4' TALL X 2' TH	520 SFCA	0.00	0
FORM WALLS - MONUMENT WALL	1,280 SFCA	0.00	0
FORM WALLS - ROUND SEAT WALL	748 SFCA	0.00	0
FORM WALLS - TRIANGLE AREA WALLS	2,840 SFCA	0.00	0
PILASTERS & COLUMNS		0.00	0
FORM PILASTERS - 2'-6" TALL	33 SFCA	0.00	0
20" DIA SONOTUBE COLUMNS	28 LNFT	0.00	0
PLACE AND TIE REBAR	11.1 TONS	0.00	0
REINFORCING MATERIAL	1.0 SUB	0.00	0
FOOTING CONCRETE MATERIAL	214 CUYD	0.00	0
STEM WALL CONCRETE MATERIAL	181 CUYD	0.00	0
ADMIXTURES & ESCALATION	395 CUYD	28.10	11,100
CONCRETE PUMP - 100%	395 CUYD	0.00	0
HANDWORK	3 DAYS	292.05	876
LAYOUT	80 MHRS	50.72	4,058
SET ANCHOR BOLTS	1 LSUM	3,000.00	3,000
TOTAL FOUNDATIONS			184,361

POLISHED OR SEALED CONCRETE

03 35 43 POLISHED CONCRETE FINISHING		0.00	0
BOD: FGS PERMASHINE BY L&M CONSTRUCTION		0.00	0
ADD FOR ADDITIONAL MOB	1 LSUM	1,200.00	1,200
MOCK UP 8' X 8'	1 LSUM	1,200.00	1,200
POLISHED CONCRETE	1 LSUM	23,055.00	23,055
CAULK JOINTS AT POLISHED AND SEALED AREAS	1 LSUM	3,915.00	3,915
FLOOR PROTECTION	4,208 SQFT	1.42	5,975
03 39 30 CONCRETE FLOOR SEALING		0.00	0
SEAL CONCRETE FLOORS	1 LSUM	5,470.00	5,470

SEAL CONCRETE AT DOG RUN, ELECT & MECH YARD, TRASH AND EM	1	LSUM	2,055.00	2,055
FLOOR PROTECTION	6,256	SQFT	0.32	2,002
TOTAL POLISHED OR SEALED CONCRETE				44,872
INTERIOR FLATWORK				
03 30 00 CAST-IN-PLACE CONCRETE	1	SUB	170,333.00	170,333
07 26 16 UNDERSLAB VAPOR RETARDER			0.00	0
FLOOR FLATNESS AND LEVELNESS TOLERANCES			0.00	0
FLATWORK			0.00	0
SLAB ON GRADE - 4" w/ #3's @ 18" OC	452	SQFT	0.00	0
SLAB ON GRADE - 5" w/ #3's @ 18" OC	28,367	SQFT	0.00	0
SLAB ON GRADE - 6" w/ #4's @ 12" OC	895	SQFT	0.00	0
SLAB ON GRADE - 8" w/ #4's @ 12" OC	930	SQFT	0.00	0
THICKENED EDGE AT 8" SOG	86	LNFT	4.20	361
4" HOUSEKEEPING PADS	81	SQFT	3.00	243
2" TOPPING SLAB OVER 5" SOG (128 & 173)	540	SQFT	3.00	1,620
LOCKER BASES OR BASES AT TACTICAL CUBBIES		W DIV #9	0.08	0
FINE GRADING	30,725	SQFT	0.08	2,458
VAPOR BARRIER - 15 MIL	35,334	SQFT	0.00	0
EXPANSION MATERIAL, CURE AND MISC. ACCESSORIES	35,334	SQFT	0.00	0
PLACE AND TIE REBAR		INCLUDED	0.00	0
SAW CUTTING	5,107	LNFT	0.00	0
REINFORCING MATERIAL	1	SUB	0.00	0
FLATWORK CONCRETE MATERIAL	552	CUYD	0.00	0
ADMIXTURES & ESCALATION	552	CUYD	22.00	12,144
CONCRETE PUMP - 100%	552	CUYD	25.00	13,800
TOTAL INTERIOR FLATWORK				200,959
CONCRETE MISCELLANEOUS				
UNLOAD & DISTRIBUTE REBAR	40	MHRS	50.72	2,029
CONCRETE FOREMAN	200	MHRS	56.80	11,360
SAFETY EQUIPMENT - CONCRETE	1	LSUM	750.00	750
GROUT ANCHOR BOLTS	20	EACH	33.26	665
BLANKETS ON FOUNDATION WALLS & FOOTINGS		NOT INCLUDED	0.50	0
BLANKETS ON SLABS	30,725	SQFT	0.35	10,754
MISC. EQUIPMENT	1	LSUM	500.00	500
TOTAL CONCRETE MISCELLANEOUS				26,058
Total Division 03 CONCRETE				\$456,250
Division 04 MASONRY				
UNIT MASONRY				
04 20 00 UNIT MASONRY	1	SUB	459,950.00	459,950
INTEGRAL WATER REPELLENT			0.00	0
EXTERIOR 8" CMU	5,932	SQFT	0.00	0
04 27 31 REINFORCED UNIT MASONRY			0.00	0
CONCRETE MASONRY UNITS			0.00	0
8" CMU	12,321	SQFT	0.00	0
4" CMU	2,342	SQFT	0.00	0
REBAR REINFORCING AT CMU	1	INCLUDED	8,000.00	8,000
MORTAR NET, CONTROL JOINT, HORIZONTAL JOINT, WEEPS, FLASHING		INCLUDED	0.00	0
FLEXIBLE FLASHING- STAINLESS STEEL (EXCLUDED- NONE SEEN)		EXCLUDED	0.00	0
COLOR MORTAR AT DECORATIVE CMU	1	SUB	0.00	0
SET HOLLOW METAL DOOR FRAMES IN CMU	18	EACH	420.00	7,560
LAYOUT MASONRY WORK	40	MHRS	56.80	2,272
TOTAL UNIT MASONRY				477,782
MASONRY MISCELLANEOUS				
MASONRY- TEMPORARY HEAT	6	MTHS	1,650.00	9,900
MASONRY- TEMPORARY ENCLOSURE AT SCAFFOLD	19,477	SQFT	0.35	6,817
SAFETY EQUIPMENT - MASONRY	1	LSUM	1,500.00	1,500
GRADE FOR SCAFFOLDING	7,888	SQFT	0.15	1,183
TEMP. BRACING	4	EACH	250.00	1,000
TOTAL MASONRY MISCELLANEOUS				20,400
Total Division 04 MASONRY				\$498,182
Division 05 METALS				

STRUCTURAL STEEL

05 12 00	STRUCTURAL STEEL	1	SUB	823,000.00	823,000
05 21 00	STEEL JOIST FRAMING			0.00	0
05 31 00	STEEL DECKING			0.00	0
05 40 00	COLD-FORMED METAL FRAMING		W/ DIV. #9	0.00	0
05 50 00	METAL FABRICATIONS			0.00	0
	STRUCTURAL STEEL FABRICATIONS	1	SUB	0.00	0
	ROOF EQUIPMENT FRAMES		INCLUDED	0.00	0
	STEEL ERECTION		INCLUDED	0.00	0
	STEEL JOISTS		INCLUDED	0.00	0
	STEEL DECK		INCLUDED	0.00	0

TOTAL STRUCTURAL STEEL**823,000****STEEL FABRICATIONS**

1/8" WELDED STEEL CLOSURE PLATE AT 1/4" PLATE STEEL PANEL	54	LF	23.00	1,242
STEEL WAINSCOT MT-1, NATURAL STEEL	126	SQFT	35.00	4,410
STEEL OPENING WRAP MT-1, NATURAL STEEL	149	SQFT	35.00	5,215
STEEL WALL PANELING MT-2	106	SQFT	35.00	3,710
STEEL WALL PANELING MT-3	590	SQFT	35.00	20,650
PLANTER BENCH	-	INCLUDED	0.00	0
ROOF LADDER	2	w DIV #7	0.00	0
EMBEDS & ANCHOR BOLTS		INCLUDED	0.00	0
PIPE BOLLARDS - PAINTED	12	EACH	0.00	0
HSS GATES AT TRASH ENCLOSURE	2	SETS	0.00	0
ELECTRICAL ENCLOSURE GATES	2	SETS	2,500.00	5,000
GATE AT CANINE RUN	1	EACH	0.00	0
GATES AT EMERGENCY EXIT 201/ MECH YARD	2	SETS	0.00	0
HSS FRAMING AROUND TRASH AND ELECTRICAL YARD GATES	1	LSUM	0.00	0
HSS FRAMING AROUND SW CORNER OF MECHANICAL YARD	1	LSUM	0.00	0
HSS FRAMING AROUND CANINE RUN	1	LSUM	0.00	0
STEEL PLATE AT TOP OF PARAPET AND UNDERSIDE OF CANOPIES	1	ALLOWANCE	30,000.00	30,000
TREE RINGS AT CANTED WALL (6' DIAMETER)	3	ALLOWANCE	2,500.00	7,500
TRENCH GRATING - SIDEWALKS	30	LF	25.00	750
SAFETY AUDITS	35	MHRS	103.32	3,616
SAFETY CABLING	975	LNFT	3.00	2,925
SITE IMPROVEMENTS FOR CRANE ACCESS	1	EACH	1,500.00	1,500
ERECT STEEL FABRICATIONS		INCLUDED	0.00	0

TOTAL STEEL FABRICATIONS**86,518****Total Division 05 METALS****\$909,518**

0

Division 06 WOOD & PLASTIC**ROUGH CARPENTRY AND FRAMING**

06 10 00	ROUGH CARPENTRY	29,080	SQFT	1.04	30,243
06 16 00	SHEATHING			0.00	0
	INTERIOR BLOCKING			0.00	0
	2X4'S	1,217	LNFT	2.58	3,140
	2X6'S	1,002	LNFT	2.93	2,936
	PLYWOOD	832	SQFT	3.28	2,729
	PLYWOOD BEHIND MT-1, MT-2 AND MT-3	845	SQFT	3.28	2,772
	DOOR BLOCKING			0.00	0
	2X4'S	1,485	LNFT	2.58	3,831
	GLAZING BLOCKING			0.00	0
	2X4'S	587	LNFT	2.83	1,661
	RECESSED SHADES POCKET - 2X4'S	715	LNFT	3.67	2,624
	BLOCKING FOR ROLLER SHADES	150	LNFT	3.08	462
	TAPERED BLOCKING AT INTERNAL GUTTER	312	LNFT	3.35	1,045
	ROUGH HARDWARE AND HOLD DOWNS	29,080	SQFT	0.16	4,653
	SAFETY AUDITS	20	MHRS	103.32	2,066

TOTAL ROUGH CARPENTRY AND FRAMING**58,162****ARCHITECTURAL MILLWORK**

06 20 23	INTERIOR FINISH CARPENTRY	1	SUB	181,041.00	181,041
	UTILITY SHELVING - CLOSETS ROOM 158		EXCLUDED	0.00	0
	WOOD BENCH UNDERNEATH OVERHANG	1	SUB	23,040.00	23,040

WDB-1 UNFINISHED PAINT GRADE WOOD BASE	-	INCLUDED	0.00	0
06 41 16 PLASTIC LAMINATE FACED CASEWORK			0.00	0
PLAM BASE CABINETS		INCLUDED	0.00	0
PLAM UPPER CABINETS		INCLUDED	0.00	0
TROPHY CASE	-	INCLUDED	0.00	0
06 61 19 QUARTZ SURFACING FABRICATIONS AND OTHER TOPS			0.00	0
SOLID SURFACE COUNTER TOPS W STEEL SUPPORTS		INCLUDED	0.00	0
SOLID SURFACE BACKSPLASH IN KITCHENETTE 106		INCLUDED	0.00	0
SOLID SURFACE BACKSPLASH IN KITCHEN 141		INCLUDED	0.00	0
SOLID SURFACE ISLAND AT KITCHEN 141 WITH WATERFALL LEG		INCLUDED	0.00	0
SOLID SURFACE TOILET SHELF AT LOCKER ROOMS	26	LNFT	61.05	1,587
SOLID SURFACE WINDOW SILLS 1/2" X 6" AT EXTERIOR WINDOWS	1	LSUM	4,730.00	4,730
CLERK 124/ RECEPTION 125 SOLID SURFACE COUNTER W (2) DEAL TI	-	INCLUDED	0.00	0
CLERK 124/ RECEPTION 125 SOLID SURFACE BACK COUNTER	-	INCLUDED	0.00	0
MISCELLANEOUS MILLWORK FABRICATIONS			0.00	0
STAINLESS STEEL PLUMBING TRAP COVER	52	ALLOWANCE	233.00	12,116
STAINLESS STEEL HANDRAIL AT JUDGES BENCH	16	ALLOWANCE	285.00	4,560
BULLET PROOFING AT JUDGE BENCH	1	LSUM	7,754.00	7,754
MT-4 AT JUDGE'S BENCH (ALUMINUM PLATE)	-	INCLUDED	0.00	0
PROTECT CASEWORK AFTER INSTALL	1	LSUM	1,200.00	1,200
11 53 13 LABORATORY FUME HOODS AND OTHER LAB ITEMS	1	SUB	65,068.00	65,068
LOW VOLUME HIGH PERFORMANCE HOOD PER SPEC		INCLUDED	0.00	0
CEILING MOUNTED SNORKEL		INCLUDED	0.00	0
PAINTED METAL CABINETS		INCLUDED	0.00	0
BLACK EPOXY TOPS IN 170 AND 172		INCLUDED	0.00	0
MAPLE BUTCHER BLOCK - ROOMS 167 AND 168		INCLUDED	0.00	0
STAINLESS STEEL COUNTERTOP IN 181, 182, 183, 184, 185, 186		INCLUDED	0.00	0
METAL TABLE FRAMES FOR ISLAND ASSEMBLIES AT LAB AREA		INCLUDED	0.00	0

TOTAL ARCHITECTURAL MILLWORK

301,096

Total Division 06 WOOD & PLASTIC

\$359,258

0

Division 07 THERMAL & MOISTURE PROTECTION

DAMPPROOFING AND WATERPROOFING

07 11 13 BITUMINOUS DAMPPROOFING			0.00	0
DAMPROOFING AT EXT FOUNDATION WALLS AND DOWN FOOTER	1	SUB	3,708.00	3,708
MECHANICAL AND ELECTRICAL YARD WALLS	1	SUB	740.00	740
ONE COAT AT UNEXPOSED FACE OF PLANTER	1	SUB	10,535.00	10,535
07 21 00 THERMAL INSULATION			0.00	0
2" XPS FOAMULAR 250 INSULATION AT OUTSIDE OF FOUNDATION	1	SUB	5,680.00	5,680
2" XPS FOAMULAR 250 INSULATION AT INSIDE OF FOUNDATION	1	SUB	5,680.00	5,680
UNDERSLAB RIGID INSULATION		NOT INCLUDED	0.00	0

TOTAL DAMPPROOFING AND WATERPROOFING

26,343

THERMAL AND SOUND INSULATION

07 21 19 FOAMED-IN-PLACE INSULATION	1	SUB	54,770.00	54,770
BOD: HEAT LOCK SOY 200 PLUS - 3.5"		INCLUDED	0.00	0
FOAM AND DRAFT STOP AT EXT WINDOWS, DOORS, CREVICES	1	LS	5,270.00	5,270
SOUND BATTS - 3" MINERAL WOOL (SAFB) FIRE RATED		W/ DIV #9	0.00	0
SOUND BATTS - 3" MINERAL WOOL (SAFB) AT 6" CAVITIES		W/ DIV #9	0.00	0
MOCK-UP		NOT INCLUDED	0.00	0
07 27 00 VAPOR-PERMEABLE AIR BARRIER MEMBRANE			0.00	0
VAPROSHIELD AT EXTERIOR SOFFITS, MAIN AND POLICE ENTRY WAL	1	SUB	16,818.00	16,818
FLASHINGS AND TRANSITIONS	-	INCLUDED	0.00	0
AIR INFILTRATION FOAM AT OPENINGS	29,080	SQFT	0.05	1,454

TOTAL THERMAL AND SOUND INSULATION

78,312

FIRE STOPPING

07 84 13 PENETRATION FIRESTOPPING			0.00	0
07 84 46 FIRE-RESISTIVE JOINT SYSTEMS			0.00	0
FIRE STOPPING - 1 HR & 2HR WALLS	29,080	SQFT	0.35	10,178
PENETRATIONS		INCLUDED	0.00	0
MISC. FIRESTOPPING	24	MHRS	65.72	1,577

TOTAL FIRE STOPPING

11,755

REIDER OKO SKIN

OKO SKIN			0.00	0
OKO SKIN MATERIAL AND INSTALLATION	4,700 SQFT		39.50	185,650
FREIGHT TO JOB SITE FROM GERMANY	INCLUDED		0.00	0
OKO SKIN EXTRUDED CONCRETE SLATS	INCLUDED		0.00	0
1.5" BLACK HAT CHANNEL FURRING	4,700 SQFT		6.00	28,200
07 27 13 VAPOR-PERMEABLE AIR BARRIER MEMBRANE			0.00	0
FLUID APPLIED AIR BARRIER: GE ELEMEX	1 SUB		14,741.00	14,741
FLASHINGS AND TRANSITIONS	1,527 LNFT		13.40	20,462
TOTAL REIDER OKO SKIN				249,053
METAL ROOFING & WALL PANELS				
07 41 13 STANDING SEAM METAL ROOF PANELS	1 SUB		384,701.00	384,701
10 YEAR WATER TIGHTNESS WARRANTY	INCLUDED		0.00	0
22GA STEEL STANDARD COLOR PREFINISHED, FIRESTONE UC-3, 1.5" HIGH X 12" WIDE,			0.00	0
MECHANICALLY-SEAMED STANDING SEAM ROOF PANELS WITH ASSOCIATED			0.00	0
FLASHING AND TRIM (R3)			0.00	0
22GA GALVANIZED STEEL INTERIOR GUTTER WITH SOLDERED JOINTS OVER RED			10,408.00	0
ROSIN PAPER AND ICE AND WATER SHIELD UNDERLAYMENT			0.00	0
30# FELT UNDERLAYMENT (R3)			0.00	0
3" NAILBASE INSULATION (7/16 OSB BONDED TO POLYISO INSULATION) 2.6"			0.00	0
POLYISOCYANURATE INSULATION (R3 ONLY) = R-30			0.00	0
DESIGN CALCULATIONS PER 1.05B			3,500.00	0
07 46 43 REAR VENTILATED FAÇADE SYSTEM	INCLUDED		0.00	0
FIBERON SYSTEM ASSUMED TO BE RANDOM LENGTH			0.00	0
WOOD AND PLASTIC COMPOSITE CORE BOARDS - 3/4" FIBERON	3,300 SQFT		23.50	77,550
1.5" BLACK HAT CHANNEL FURRING	3,300 SQFT		6.00	19,800
07 42 13 PREFORMED METAL WALL PANELS	INCLUDED		0.00	0
24GA STEEL STANDARD COLOR PREFINISHED (SMOOTH, NO TEXTURE)			0.00	0
BERRIDGE THIN-LINE 4" WIDE CONCEALED FASTENER INTERLOCKING SEAM WALL			0.00	0
PANELS WITH ASSOCIATED FLASHING & TRIM (EWA 9, 10, 11, 12, 13)			0.00	0
16 GA HAT CHANNELS, FURRING OR FLAT STRAPS AT 24" O.C.	INCLUDED		0.00	0
1/4" METAL PLATE WALL PANELS			0.00	0
1/4" METAL PLATE WALL PANELS	682 ALLOWANCE		80.00	54,560
07 62 00 SHEET METAL FLASHING AND TRIM			0.00	0
FLASHING AND SHEET METAL PACKAGE	- INCLUDED		0.00	0
24 GA. STEEL, STEEL, PREFINISHED STANDARD COLOR, BENT PLATE ROOF EDGE			0.00	0
FLASHING, AND REGLET WITH COUNTERFLASHING.			0.00	0
MASONRY REGLETS ARE FURNISHED ONLY FOR INSTALLATION BY OTHERS			0.00	0
ROOF BLOCKING			0.00	0
2X4'S	1,106 LNFT		2.83	3,130
2X6'S	432 LNFT		3.18	1,374
HOISTING EQUIPMENT & FUEL	2 MNTH		3,150.00	6,300
MANLIFT	2 MNTH		1,500.00	3,000
MISC. FLASHINGS	1 LSUM		10,000.00	10,000
TOTAL METAL ROOFING & WALL PANELS				560,415
LOW SLOPE EPDM ROOFING (WHITE)				
07 53 23 WHITE EPDM	1 SUB		278,699.00	278,699
20 YEAR WARRANTY	INCLUDED		0.00	0
60MIL THICKNESS, FULLY ADHERED WHITE - R1	INCLUDED		0.00	0
5/8" DENSDECK COVERBOARD	INCLUDED		0.00	0
2-LAYERS 2.6" POLYISOCYANURATE INSULATION R-30	INCLUDED		0.00	0
CARPORT ROOF AS AN R-4 ASSEMBLY	INCLUDED		0.00	0
WALKWAY PADS	516 LNFT		35.00	18,060
TOTAL LOW SLOPE EPDM ROOFING (WHITE)				296,759
ROOF ACCESSORIES				
07 72 00 ROOF ACCESSORIES			0.00	0
ROOF ACCESS HATCH 36"X36" W/ LADDER UP	2 EACH		1,350.00	2,700
HOISTING	2 EACH		150.00	300
BLOCKING	2 EACH		60.37	121
TOTAL ROOF ACCESSORIES				3,121
JOINT SEALANTS				
07 92 13 EXTERIOR JOINT SEALANTS	INCLUDED		0.00	0
07 92 16 INTERIOR JOINT SEALANTS	INCLUDED		0.00	0

07 93 00 SECURITY SEALANTS	1 SUB	7,090.00	7,090
TYPE E1 SECURITY SEALANT - PICK PROOF	INCLUDED	0.00	0
TYPE E2	INCLUDED	0.00	0
TYPE E3	INCLUDED	0.00	0
JOINT SEALANTS	1 SUB	18,440.00	18,440
TOTAL JOINT SEALANTS			25,530

Total Division 07 THERMAL & MOISTURE PROTECTION

\$1,251,288
0

Division 08 DOORS & WINDOWS

DOORS, FRAMES AND HARDWARE

08 11 13 HOLLOW METAL DOORS AND FRAMES	1 LSUM	183,549.00	183,549
08 14 16 FLUSH WOOD DOORS		0.00	0
08 34 63 DETENTION DOORS AND FRAMES	W/ DIV. #10	0.00	0
08 71 00 DOOR HARDWARE		0.00	0
HM FRAMES	87 EACH	0.00	0
HOLLOW METAL DOORS	82 EACH	0.00	0
DOOR TYPE N AT ROLL CALL	6 PAIRS	0.00	0
MISC. PREP FOR HM FRAMES AND DOORS	40 MHRS	56.80	2,272
SOLID CORE WOOD DOORS (SEE CLARIFICATIONS)	16 EACH	0.00	0
KEY CONTROL CABINET	1 EACH	450.00	450
KNOX BOX	2 EACH	733.80	1,468
UNLOAD AND SORT FRAMES AND DOORS	185 EACH	36.51	6,754
PROTECT DOORS	98 EACH	18.40	1,803
DOOR HARDWARE	98 SET	0.00	0
LOCKSETS, CLOSERS, MISC HARDWARE	INCLUDED	0.00	0
ALUMINUM DOOR HARDWARE	W/ STOREFRONT	0.00	0
AUTO OPERATORS AT (1) LEAF/SET AT VESTIBULE 101 AND 142	W/ STOREFRONT	0.00	0
ELECTRIC STRIKES AND OTHER MISC HDWR AT ALL GLASS DOORS	4 EACH	890.00	3,560
DOOR / FRAME / HARDWARE INSTALLATION		0.00	0
FRAMES	87 EACH	94.00	8,178
DOORS AND HARDWARE	196 EACH	127.50	24,990

TOTAL DOORS, FRAMES AND HARDWARE

233,024

ACCESS DOORS

08 31 13 ACCESS DOORS AND FRAMES		0.00	0
ACCESS DOORS	23 EACH	55.00	1,265

TOTAL ACCESS DOORS

1,265

OVERHEAD DOORS

08 36 13 OVERHEAD SECTIONAL DOORS		0.00	0
MFR. CLOPLAY MODEL 3220		0.00	0
SECTIONAL OVERHEAD DOORS - 10' T X 12' W	2 EACH	4,850.00	9,700
OPERATORS	INCLUDED	0.00	0
LOW VOLTAGE WIRING	1 LSUM	450.00	450

TOTAL OVERHEAD DOORS

10,150

STRUCTURED POLYCARBONATE PANELS

08 45 13 STRUCTURED POLYCARBONATE PANEL ASSEMBLIES		0.00	0
DGI SERIES 3500 40MM BPC VERTICAL GLAZING SYSTEM		0.00	0
MATT BLUE PANEL, U-VALUE = .24 - NFRC CENTER OF GLAZING	- INCLUDED	0.00	0
10' 10" X 240' LONG, 2.5" THICK SYSTEM	2,520 SQFT	26.13	65,848
BLACK/ CLEAR ANODIZED- CLASS 1 FRAMING	- INCLUDED	0.00	0
ALUMINUM SILL FLASHING	- INCLUDED	0.00	0
MULLION CAPS AT 30' OC	- INCLUDED	0.00	0
HEAD AND JAMB FLASHING	261 LF	10.72	2,798
PLAZIT POLYGAL PANELS AT TWO INTERIOR LOCATIONS	1,335 w/ DRYWALL	0.00	0
BLOCKING AND BACKING	502 LF	5.36	2,691

TOTAL STRUCTURED POLYCARBONATE PANELS

71,337

ALUMINUM STOREFRONT, GLAZING AND WINDOWS

08 41 13 ALUMINUM ENTRANCES AND STOREFRONTS		0.00	0
SUBCONTRACTOR BUDGET	1 LSUM	345,840.00	345,840
PRODUCTS BY KAWNEER, OLDCASTLE, EFCO OR TUBELITE		0.00	0
08 41 26 ALL-GLASS ENTRANCES AND STOREFRONTS		0.00	0
DELEGATED DESIGN		0.00	0
BLACK ANODIZED FINISH		0.00	0

BREAKROOM STOREFRONT	INCLUDED	0.00	0
STOREFRONT DOORS	INCLUDED	0.00	0
HARDWARE PACKAGE FOR STOREFRONT	- INCLUDED	0.00	0
AUTO OPERATORS AT (2) LEAFS OF (2) EXT VESTIBULES	4 EACH	0.00	0
NOTE: GL-04 BR RATED GLAZING IS EXCLUDED AT ALL VESTIBULES	EXCLUDED	0.00	0
08 44 13 GLAZED ALUMINUM CURTAIN WALLS		0.00	0
08 44 23 STRUCTURAL SEALANT GLAZING		0.00	0
COURTROOM GLAZING	INCLUDED	0.00	0
LOBBY GLAZING	INCLUDED	0.00	0
08 81 02 EXTERIOR GLASS AND GLAZING		0.00	0
08 81 04 INTERIOR GLASS AND GLAZING		0.00	0
08 83 00 MIRRORS		0.00	0
FRAMED MIRRORS	W DIV #10	0.00	0
PLATE GLASS MIRRORS AT FITNESS ROOM	- INCLUDED	0.00	0
08 88 50 SECURITY GLAZING		0.00	0
(11) LITES OF TSS 1 1/4" LEVEL 3 CLEAR LOW SPALL GLASS CLAD POLYCARBONATE		0.00	0
GLAZING INSTALLED IN STAINLESS STEEL CHANNEL AND ANGLE AT THE COURT CLERK		0.00	0
124 AND FRONT DESK / RECEPTION 125. VOICE TRANSMISSION VIA (2) NON-AMPLIFIED,		0.00	0
NON-ELECTRIC MK-1 STAINLESS STEEL VOICEPORTS. (2) TSS PASS THROUGH TRAYS		0.00	0
WILL BE PROVIDED TO BE INSTALLED BY OTHERS	2 EACH	588.00	1,176
FINISHES- SEAL OPENINGS FOR HEATING	3,146 SQFT	1.59	5,002
ALUMINUM BREAK METAL AND FLASHING	1 LSUM	4,850.00	4,850
FINAL GLASS CLEANING	3,304 SQFT	0.75	2,478
TOTAL ALUMINUM STOREFRONT, GLAZING AND WINDOWS			359,346

Total Division 08 DOORS & WINDOWS

\$675,122

0

Division 09 FINISHES

DRYWALL

DRYWALL PACKAGE	1 SUB	743,830.00	743,830
05 40 00 COLD-FORMED METAL FRAMING	INCLUDED	0.00	0
G90 COATED	INCLUDED	0.00	0
DELEGATED DESIGN / ENGINEERING	INCLUDED	0.00	0
ADDITIONAL FRAMING/ CHANGES DUE TO SHOP DRAWING PROCE	1 LSUM	7,500.00	7,500
09 22 16 NON-STRUCTURAL METAL FRAMING	INCLUDED	0.00	0
09 29 00 GYPSUM BOARD	INCLUDED	0.00	0
SOUND BATTS	INCLUDED	0.00	0
THERMAL BATTS AT TOP OF WALL	INCLUDED	0.00	0
COLD FORMED FRAMING	INCLUDED	0.00	0
6" OR 8" EXTERIOR WELDED W/ DENS DECK AND DRYWALL	29,080 SQFT	0.00	0
INTERIOR NON LOAD BEARING WALLS		0.00	0
REVEALS AT DOOR FRAMES	INCLUDED	0.00	0
SOUND BATTS	INCLUDED	0.00	0
DROP CEILING METAL FRAMING	3,150 SQFT	0.00	0
2" METAL FRAME AT TACTICAL CUBBIES	250 SQFT	9.00	2,250
STUDS AT WALL TYPE EWA-17 FOR HAT CHANNEL ATTACHMENT	392 SQFT	8.50	3,332
LEVEL 4 FINISH	INCLUDED	0.00	0
TOP OF CMU WALLS AT PD CORRIDOR AND PD SECONDARY HALLWAY	456 LNFT	28.44	12,969
TOP OF CMU WALLS AT DETENTION AREA	299 LNFT	28.44	8,504
10 19 00 BULLET RESISTANT KEVLAR PANELS	1 LSUM	2,590.00	2,590
7/32" THICK ARMORCO ADVANTAGE	INCLUDED	0.00	0
ARMORCO LEVEL NIJ IIIA	213 SQFT	0.00	0
WINTER PROTECTION AT EXTERIOR OPENINGS		0.00	0
2X4'S AT 2' VERTICAL O.C.	2,932 LNFT	2.58	7,565
PLYWOOD	5,460 SQFT	3.28	17,909
MISC. PATCHING	40 MHRS	50.72	2,029
LAYOUT OF WALLS	29,080 SQFT	0.12	3,490
TOTAL DRYWALL			811,968

FLOORING

09 30 00 TILING	1 SUB	151,201.00	151,201
TILING		0.00	0
PORCELAIN FLOOR TILE: CONCEPT SURFACES UPTOWN	2,585 SQFT	0.00	0
PORCELAIN WALL TILE DAL TILE CHORD	3,950 SQFT	0.00	0

CERAMIC TILE BASE		NOT INCLUDED	0.00	0
SCHLUTER BASE	133	LNFT	0.00	0
WATERPROOF MEMBRANE AT SHOWERS	128	SQFT	5.00	640
EPOXY GROUT AT SHOWERS	992	SQFT	2.00	1,984
GROUT SEALER		NOT INCLUDED	0.00	0
09 65 13 RESILIENT BASE AND ACCESSORIES			0.00	0
RESILIENT FLOORING			0.00	0
HSV-1 HOMOGENEOUS SHEET VINYL	436	SQFT	0.00	0
RBT-1 ROPPE FITNESS FLOORING	926	SQFT	0.00	0
SKIM COAT FOR RESILIENT FLOORING	1,362	SQFT	0.75	1,022
4" RUBBER BASE	5,350	LNFT	0.00	0
09 68 13 TILE CARPETING			0.00	0
C1: 2'X2' INTERFACE CEREMONY	520	SQYD	0.00	0
C2: 2'X2' INTERFACE BIKE PATH	926	SQYD	0.00	0
KADEE 5/8" SS GRATING: SSS CLEANREAD	2	EACH	5,340.00	10,680
WDB-1 WOOD BASE		WITH DIV. 6	0.00	0
MOISTURE TEST (BASED ON 1 / 1000 SF)	17	EACH	25.00	425
MOISTURE MITIGATION		NOT INCLUDED	0.00	0
FLOOR PREP	17,053	SQFT	0.18	3,070
FLOOR PROTECTION	17,053	SQFT	0.35	5,969

TOTAL FLOORING

174,991

ACOUSTICAL CEILINGS

09 51 23 ACOUSTICAL TILE CEILINGS	1	SUB	86,496.00	86,496
ACT-1, ASTRO ILLUSION CLIMAPLUS FL 2X2	5,177	SQFT	0.00	0
USG DONN FINELINE 9/16" SUSPENSION SYSTEM		INCLUDED	0.00	0
ACT-2 PRIMACOUSTIC THUNDERTILE 2X4	2,428	SQFT	0.00	0
USG DONN CENTRICITEE 9/16" SUSPENSION SYSTEM		INCLUDED	0.00	0
9WOOD AT CEILING	1	SUB	256,243.00	256,243
WLC-1: 9WOOD 2000 SERIES, SOLID WOOD, STYLE 2300 ON BLACK SC	2,326	SQFT	0.00	0
WLC-2 9WOOD 2000 SERIES, WOOD VENEER, STLYE 2300	4,466	SQFT	0.00	0
WITH OWENS CORNING 1" SELECT ACOUSTIC BOARD		INCLUDED	0.00	0
WW-2 ARMSTRONG METALWORKS MESH WELDED WIRE 2X2	552	SQFT	0.00	0
09 84 13 SOUND-ABSORBING WALL UNITS			0.00	0
9WOOD AT WALLS	1	SUB	19,076.00	19,076
WAT-2 LINEAR WOOD GRAIN WALL PLANK: 9WOOD 2300 SERIES	433	SQFT	0.00	0
WHISPER WALLS	1	SUB	25,713.00	25,713
FW-1 WHISPER WALLS, 2" ACOUSTITHERM 200	1,285	SQFT	0.00	0
FW-2 WHISPER WALLS, 1" ACOUSTITHERM 200	195	SQFT	0.00	0
IRREGULAR SIZES AT ROOM 113	1	LSUM	1,000.00	1,000

TOTAL ACOUSTICAL CEILINGS

388,528

PAINTING

MASONRY SEALER AT EXTERIOR OF BUILDING ON EXPOSED CMU	1	SUB	8,676.00	8,676
09 91 13 EXTERIOR PAINTING		INCLUDED	0.00	0
09 91 23 INTERIOR PAINTING		INCLUDED	0.00	0
PAINTING PACKAGE	1	SUB	119,162.00	119,162
DRYWALL WALLS		INCLUDED	0.00	0
DRYWALL CEILINGS		INCLUDED	0.00	0
EXPOSED CEILINGS	11,856	SQFT	0.00	0
CONCRETE FLOOR SEALER		W DIV #3	0.00	0
CMU WALLS W/ BLOCK FILLER		INCLUDED	0.00	0
EXTERIOR		INCLUDED	0.00	0
DOORS & FRAMES		INCLUDED	0.00	0
WAX SELANT AT WC-1 STEEL IN CORRIDOR		INCLUDED	0.00	0
MAP PRODUCTS AT WC-2 STEEL INCORIDOR		INCLUDED	0.00	0
INTERIOR STAINING AT WOOD TRIMS		INCLUDED	0.00	0
MINOR TOUCHUPS	1	LSUM	3,500.00	3,500

TOTAL PAINTING

131,338

FINISHES MISCELLANEOUS

MOCK UP ALLOWANCE	1	LSUM	5,000.00	5,000
FINISHES FOREMAN	200	MHRS	56.80	11,360

TOTAL FINISHES MISCELLANEOUS

16,360

Total Division 09 FINISHES

\$1,523,185

0

Division 10 SPECIALTIES**GENERAL SPECIALTY ITEMS**

06 83 16 FIBERGLASS REINFORCED PANELING (FRP)		0.00	0
.09 IN THICK, 4X8 SMOOTH		0.00	0
JANITORS CLOSET	30 SQFT	15.15	455
10 11 00 VISUAL DISPLAY SURFACES		0.00	0
MARKERBOARDS	2 EACH	652.50	1,305
MAGNETIC GLASS WHITEBOARD WALL - ROOM 105 (30' 2" X 10' 8")	1 ALLOWANCE	14,490.00	14,490
10 26 00 CORNER GUARDS		0.00	0
STAINLESS STEEL CORNER GUARD	1 SUB	4,024.00	4,024
10 21 13 TOILET COMPARTMENTS	1 SUB	6,915.00	6,915
STAINLESS STEEL UNITS, OVERHEAD BRACED	11 EACH	0.00	0
URINAL SCREENS	1 EACH	0.00	0
DETENTION PRIVACY SCREENS	WITH DIV. 11	0.00	0
10 28 00 TOILET ACCESSORIES		0.00	0
TOILET ACCESSORIES	1 SUB	27,404.00	27,404
TILE READY ACCESS DOOR - 12"X24"	4 EACH	125.00	500
GRAB BARS	24 EACH	0.00	0
DETENTION GRAB BARS	WITH DIV. 11	0.00	0
TP HOLDER / DISPENSER	14 EACH	0.00	0
SOAP DISPENSER - BOBRICK AT BATHROOMS	14 EACH	0.00	0
SOAP DISPENSER - MEDICLINICS AT ROOM 167, 168, 170	3 EACH	0.00	0
SOAP DISHES	6 EACH	0.00	0
PAPER TOWEL / WASTE RECEPTACLE	8 EACH	0.00	0
PAPER TOWEL DISPENSER AT AT ROOM 167, 168, 170	3 EACH	0.00	0
NAPKIN DISPOSAL	12 EACH	0.00	0
NAPKIN DISPENSER	2 EACH	0.00	0
SEAT COVER DISPENSER	13 EACH	0.00	0
SHOWER CURTAIN AND ROD	12 EACH	0.00	0
SHOWER SEAT - FOLDING, STAINLESS STEEL	4 UNITS	0.00	0
SHOWER SEAT - ADA, FOLDING, STAINLESS STEEL	3 EACH	0.00	0
SHOWER GRAB BARS	6 EACH	0.00	0
ROBE HOOK	6 EACH	0.00	0
SHOWER TOWEL SHELF W. BAR	6 EACH	103.00	618
BABY CHANGE STATION	2 EACH	0.00	0
MOP HOOK	3 EACH	0.00	0
CLEAN OUT PANEL FOR AUTO SOAP DISPENSERS (A7.41/4)	17 EACH	167.00	2,839
BLOCKING AND BACKING	WITH DIV. 6	3.00	0
10 44 13 FIRE PROTECTION EQUIPMENT	1 SUB	2,973.00	2,973
FIRE EXT. CABINET	6 EACH	0.00	0
FIRE EXT.	6 EACH	0.00	0
BLOCKING AND BACKING	WITH DIV. 6	1.10	0
INSTALL	6 EACH	36.51	219
LOCKERS/ STORAGE		0.00	0
EVIDENCE LOCKERS- ROOM 171	1 LSUM	23,882.00	23,882
NARCOTICS LOCKERS	1 LSUM	1,418.00	1,418
LONG TERM EVIDENCE STORAGE SYSTEM RM 173	1 LSUM	21,755.00	21,755
TACTICAL CUBBIES (24" X 20" X 48")	29 EACH	1,560.00	45,240
WARDROBE LOCKERS	65 EACH	1,435.42	93,302
LONG TERM RECORDS STORAGE SYSTEM RM 128	1 SUB	18,477.00	18,477
ARMORY (SECURE WESTERN STORAGE PLUS LABOR)	1 SUB	5,822.00	5,822
RECORDS STORAGE RM 129	1 SUB	9,735.00	9,735
FULL HEIGHT FRIDGE & FREEZER - ROOM 173 ID LAB	1 SUB	17,989.00	17,989
SAFE FUME CYANOACRYLATE CHAMBER	1 SUB	3,945.00	3,945
FORENSIC EVIDENCE DRYING CABINET	1 SUB	10,536.00	10,536
QUARTER MASTER SUPPLY ROOM	1 SUB	8,721.00	8,721
PISTOL LOCKERS	- WITH DIV. 11	0.00	0

TOTAL GENERAL SPECIALTY ITEMS**322,564****FLAGPOLES****TOTAL FLAGPOLES**

0

SIGNAGE

10 14 00 SIGNAGE	1 SUN	16,226.00	16,226
INTERIOR ROOM SIGNS	INCLUDED	0.00	0
10 14 19 DIMENSIONAL LETTER SIGNAGE	INCLUDED	0.00	0
BUILDING LETTERS - 35 TOTAL ALUMINUM(12"H, 1-1/2" D)	INCLUDED	0.00	0
BUILDING NAME - 20 TOTAL ALUMINUM (8" H, 1-1/2" D)	INCLUDED	0.00	0
BUILDING NUMBER - 5 TOTAL ALUMINIUM (8" H, 1-1/2" D)	INCLUDED	0.00	0
MONUMENT SIGN - ALUMINIUM (ASSUME 50 CHARACTERS)	INCLUDED	0.00	0
TOTAL SIGNAGE			16,226
Total Division 10 SPECIALTIES			\$338,790
			0

Division 11 EQUIPMENT			
SECURITY AND DETENTION EQUIPMENT			
08 34 63 DETENTION DOORS AND FRAMES	1 LSUM	150,553.00	150,553
SECURITY GLAZING	INCLUDED	0.00	0
DOOR HARDWARE	INCLUDED	0.00	0
08 88 50 SECURITY GLAZING	EXCLUDED	0.00	0
FRONT DESK/RECEPTION BALISTIC GLAZING	EXCLUDED	0.00	0
STEEL CHANNELS FOR GLAZING	EXCLUDED	0.00	0
DEAL TRAYS	EXCLUDED	0.00	0
10 19 00 BULLET-RESISTANT KEVLAR PANELS	W/ DIV. #9	0.00	0
JUDGES BENCH	W/ DIV. #9	0.00	0
FRONT DESK/RECEPTION	W/ DIV. #9	0.00	0
10 28 13 DETENTION ACCESSORIES	INCLUDED	0.00	0
BENCHES	INCLUDED	0.00	0
MIRRORS	INCLUDED	0.00	0
PISTOL LOCKERS	INCLUDED	0.00	0
WEAPONS CLEARING TRAP	INCLUDED	0.00	0
DETENTION GRAB BARS	INCLUDED	0.00	0
DETENTION PRIVACY SCREENS	INCLUDED	0.00	0
MISC EQUIPMENT	INCLUDED	0.00	0
TWO (2) DEFIBRILLATOR UNITS (CARDIAC SCIENCE POWERHEART G	2 EACH	2,156.50	4,313
TOTAL SECURITY AND DETENTION EQUIPMENT			154,866

RESIDENTIAL APPLIANCES			
RESIDENTIAL APPLIANCES		0.00	0
DISHWASHER- MODEL TBD, ENERGY STAR, ADA COMPLIANT	2 EACH	900.00	1,800
COMMERCIAL ICEMAKER E-22 AT ROOM 141	1 EACH	2,500.00	2,500
MICROWAVE- MODEL- TBD, 24", ADA COMPLIANT	2 EACH	350.00	700
REFRIGERATOR- MODEL TBD, ENERGY STAR AT KITCHENS	3 EACH	1,250.00	3,750
FREEZER- MODEL TBD, ENERGY STAR AT RM 173 ID LAB	W/ DIV #10	1,250.00	0
REFRIGERATOR- MODEL TBD, ENERGY STAR AT RM 173 ID LAB	W/ DIV #11	1,250.00	0
RANGE- MODEL TBD, 30" SLIDE IN, ADA COMPLIANT	1 EACH	450.00	450
RANGE HOOD (NOT ANSUL)	1 EACH	475.00	475
WASHER/DRYER COMBO - MODEL TBD, ADA COMPLIANT	2 EACH	1,600.00	3,200
FREIGHT	1 LSUM	500.00	500
INSTALL	10 EACH	50.72	507
TOTAL RESIDENTIAL APPLIANCES			13,882
Total Division 11 EQUIPMENT			\$168,748
			0

Division 12 FURNISHINGS			
WINDOW TREATMENTS			
LOCATIONS CLARIFIED IN ADD. #1	INCLUDED	0.00	0
12 21 13 HORIZONTAL LOUVER BLINDS	1 SUB	2,504.00	2,504
1" ALUMINUM MINI BLINDS	INCLUDED	0.00	0
12 24 13 MOTORIZED ROLLER WINDOW SHADES	1 SUB	27,723.00	27,723
MOTORIZED ROLLERSHADES	- INCLUDED	0.00	0
BLACKOUT SHADES FOR ROOM DARKENING (EXCLUDED)	- SEE ALTERNATES	0.00	0
RECESSED ALUMINUM POCKET	INCLUDED	0.00	0
TOTAL WINDOW TREATMENTS			30,227
LABORATORY WORK SURFACES			
12 35 00 LABORATORY WORK SURFACES		0.00	0
W/ MILLWORK	W DIV #6	0.00	0
FUME HOOD IN ID LAB 166	W DIV #6	0.00	0

TOTAL LABORATORY WORK SURFACES			0
Total Division 12 FURNISHINGS			\$30,227
			0
Division 13 SPECIAL CONSTRUCTION			
SPECIAL CONSTRUCTION			
NO WORK REQUIRED			0.00
TOTAL SPECIAL CONSTRUCTION			0
Total Division 13 SPECIAL CONSTRUCTION			\$0
			0
Division 14 CONVEYING SYSTEMS			
ELEVATOR			
NOT REQUIRED			0.00
NOT INCLUDED			0
TOTAL ELEVATOR			0
Total Division 14 CONVEYING SYSTEMS			\$0
			0
Division 21 FIRE SUPPRESSION			
FIRE SPRINKLER SYSTEM			
21 05 00 COMMON WORK RESULTS FOR FIRE SUPPRESSION			0.00
21 10 00 WATER-BASED FIRE SUPPRESSION SYSTEMS			1 SUB 94,400.00
CONCEALED SPRINKLER			INCLUDED 0.00
UPRIGHT/SIDEWALL SPRINKLER			INCLUDED 0.00
INSTITUTIONAL SPRINKLER HEADS (IN HOLDING CELLS)			INCLUDED 0.00
FIRE SPRINKLER SYSTEM			INCLUDED 0.00
ANTI-FREEZE IN OUTSIDE NOTED AREAS			INCLUDED 0.00
BOOSTER PUMP			EXCLUDED 0.00
FIRE WATCH			EXCLUDED 0.00
TOTAL FIRE SPRINKLER SYSTEM			94,400
Total Division 21 FIRE SUPPRESSION			\$94,400
			0
Division 22 PLUMBING			
PLUMBING SYSTEM			
SUB BUDGET			1 SUB 1,543,700.00
22 05 00 COMMON WORK RESULTS FOR PLUMBING			- INCLUDED 0.00
22 05 13 COMMON MOTOR REQUIREMENTS FOR PLUMBING EQUIPM			- INCLUDED 0.00
22 05 19 METERS AND GAGES FOR PLUMBING PIPING			- INCLUDED 0.00
22 05 23 GENERAL-DUTY VALVES FOR PLUMBING PIPING			- INCLUDED 0.00
22 05 29 HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUI			- INCLUDED 0.00
22 05 53 IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT			- INCLUDED 0.00
22 07 19 PLUMBING PIPING INSULATION			- INCLUDED 0.00
22 11 16 DOMESTIC WATER PIPING			- INCLUDED 0.00
22 11 19 DOMESTIC WATER PIPING SPECIALTIES			- INCLUDED 0.00
22 11 23 DOMESTIC WATER PUMPS			- INCLUDED 0.00
22 13 16 SANITARY WASTE AND VENT PIPING			- INCLUDED 0.00
22 13 19 SANITARY WASTE PIPING SPECIALTIES			- INCLUDED 0.00
22 13 23 SANITARY WASTE INTERCEPTORS			- INCLUDED 0.00
22 14 13 STORM DRAINAGE PIPING			- INCLUDED 0.00
22 14 23 STORM DRAINAGE PIPING SPECIALTIES			- INCLUDED 0.00
22 34 36 GAS-FIRED DOMESTIC WATER HEATERS			- INCLUDED 0.00
22 42 00 PLUMBING FIXTURES			- INCLUDED 0.00
22 46 00 SECURITY PLUMBING FIXTURES			- INCLUDED 0.00
22 63 13 NATURAL GAS PIPING			- INCLUDED 0.00
COMBI TOILETS LAVS AT HOLDING CELLS WCL-1			3 EACH 0.00
GWH-1 & GWH-2 DOMESTIC WATER HEATERS			2 EACH 0.00
TD-1, TD-2 AND TD-3- TRENCH DRAINS AT SALLY PORT			- UNITS 0.00
SAND-OIL INTERCEPTOR 1,060GALS			1 EACH 0.00
MILLWORK HAS PRICED DROP IN SINKS			- UNITS 0.00
BIM COORDINATION			1 EACH 20,000.00
TEMPERATURE CONTROLS			INCLUDED 0.00
DEDICATED EXHAUST FOR DUTY LOCKERS			- INCLUDED 0.00
EXHAUST FOR (2) TWO EVIDENCE DRYING CABINETS			- INCLUDED 0.00
AIR COMPRESSOR PER ADDENDUM #2 AT MECHANICAL #198			- INCLUDED 0.00
MEP SAFETY AUDITS			40 MHRS 103.32
			4,133

TOTAL PLUMBING SYSTEM
Total Division 22 PLUMBING

1,567,833
\$1,567,833
0

Division 23 HVAC

HVAC SYSTEM

SUB BUDGET	W DIV #22	0.00	0
23 05 00 COMMON WORK RESULTS FOR HVAC	- UNITS	0.00	0
23 05 13 COMMON MOTOR AND VFD REQUIREMENTS	- UNITS	0.00	0
23 05 17 SLEEVES AND SLEEVE SEALS FOR HVAC PIPING	- UNITS	0.00	0
23 05 18 ESCUTCHEONS FOR HVAC PIPING	- UNITS	0.00	0
23 05 19 METERS AND GAGES FOR HVAC PIPING	- UNITS	0.00	0
23 05 23 GENERAL-DUTY VALVES FOR HVAC PIPING	- UNITS	0.00	0
23 05 29 HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPME	- UNITS	0.00	0
23 05 48 VIBRATION CONTROLS FOR HVAC PIPING AND EQUIPMENT	- UNITS	0.00	0
23 05 53 IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT	- UNITS	0.00	0
23 05 93 TESTING, ADJUSTING, AND BALANCING FOR HVAC	- UNITS	0.00	0
23 07 13 DUCT INSULATION	- UNITS	0.00	0
23 07 16 HVAC EQUIPMENT INSULATION	- UNITS	0.00	0
23 07 19 HVAC PIPING INSULATION	- UNITS	0.00	0
23 09 13 INSTRUMENTATION AND CONTROL DEVICES FOR HVAC	- UNITS	0.00	0
23 09 14 INTEGRATED AUTOMATION LOCAL CONTROL UNITS	- UNITS	0.00	0
23 09 15 INTEGRATED AUTOMATION CENTRAL DDC PANEL AND SOFT	- UNITS	0.00	0
23 09 93 INTEGRATED AUTOMATION CONTROL SEQUENCES	- UNITS	0.00	0
23 21 13 HYDRONIC PIPING	- UNITS	0.00	0
23 21 16 HYDRONIC PIPING SPECIALTIES	- UNITS	0.00	0
23 21 23 HYDRONIC PUMPS	- UNITS	0.00	0
23 31 13 METAL DUCTS	- UNITS	0.00	0
23 33 00 AIR DUCT ACCESSORIES	- UNITS	0.00	0
23 34 23 HVAC POWER VENTILATORS	- UNITS	0.00	0
23 37 13 DIFFUSERS, REGISTERS, AND GRILLES	- UNITS	0.00	0
23 51 00 BREECHINGS, CHIMNEYS, AND STACKS	- UNITS	0.00	0
23 52 16 CONDENSING BOILERS	- UNITS	0.00	0
23 64 23 SCROLL WATER CHILLERS	- UNITS	0.00	0
HEMCO UNIFLOW CLEAN AIRE 1 FUME HOOD	W DIV #22	0.00	0
STAINLESS STEEL VENTING AT BOILERS	- UNITS	0.00	0
CRAC-1 UNIT AT DATA ROOM	- UNITS	0.00	0
CH-1 CHILLER AT ELECTRICAL YARD	- UNITS	0.00	0
B-1 AND B-2 BOILERS	- UNITS	0.00	0
CO AND NO2 MONITORING PER ADDENDUM #2	- UNITS	0.00	0
TEMPERATURE CONTROLS	- LSUM	0.00	0
BIM COORDINATION	1 LSUM	12,000.00	12,000

TOTAL HVAC SYSTEM

Total Division 23 HVAC

12,000
\$12,000
0

Division 26 ELECTRICAL

ELECTRICAL

26 00 10 GENERAL PROVISIONS	INCLUDED	0.00	0
26 00 20 WORK INCLUDED	INCLUDED	0.00	0
26 00 30 MATERIALS & METHODS	INCLUDED	0.00	0
26 00 40 ELECTRICAL SERVICE SYSTEM	INCLUDED	0.00	0
26 00 50 ELECTRICAL DISTRIBUTION SYSTEM	INCLUDED	0.00	0
26 00 60 LUMINAIRES	INCLUDED	0.00	0
26 00 70 ELECTRICAL POWER EQUIPMENT	INCLUDED	0.00	0
26 00 90 MAIN SERVICE TVSS	INCLUDED	0.00	0
26 01 50 EMERGENCY / STANDBY POWER SYSTEMS & TRANSFER SWITCHES	INCLUDED	0.00	0
26 32 13 ENGINE GENERATORS	INCLUDED	0.00	0
26 56 00 EXTERIOR LIGHTING	INCLUDED	0.00	0
ELECTRICAL	1 SUB	1,020,041.00	1,020,041
SITE WIRING	INCLUDED	0.00	0
ELECTRICAL SERVICE EQUIPMENT	INCLUDED	0.00	0
ELECTRIAL FEEDERS	INCLUDED	0.00	0
GENERATOR	INCLUDED	0.00	0

LIGHT FIXTURES AND INSTALLATION	INCLUDED	0.00	0
LIGHTING CONTROLS	INCLUDED	0.00	0
BRANCH WIRING	INCLUDED	0.00	0
MECHANICAL WIRING	INCLUDED	0.00	0
FIRE ALARM	INCLUDED	0.00	0
LOW VOLTAGE CONDUITS	INCLUDED	0.00	0
TEMPORARY POWER AND LIGHTING	INCLUDED	0.00	0
TOTAL ELECTRICAL			1,020,041
Total Division 26 ELECTRICAL			\$1,020,041
			0
Division 27 COMMUNICATIONS			
COMMUNICATIONS			
OSP CABLING	BY OWNER	0.00	0
CABLE TRAY	W DIV #26	0.00	0
STRUCTURED CABLING	1 LSUM	95,193.00	95,193
WIFI- PROVIDE AND INSTALL	1 ALLOWANCE	36,180.00	36,180
CATV SERVICES	INCLUDED	0.00	0
DAS (PUBLIC SAFETY)	1 LSUM	16,800.00	16,800
AUDIO VISUAL SYSTEMS - AVI/SPL CRESTON SYSTEM	1 SUB	184,100.00	184,100
COMMUNITY ROOM	INCLUDED	0.00	0
ADMIN CONFERENCE ROOM	INCLUDED	0.00	0
ROLL CALL	INCLUDED	0.00	0
JURY CONFERENCE ROOM	INCLUDED	0.00	0
INTERVIEW ROOMS	INCLUDED	0.00	0
COURTROOM - INCL. PROJECT SCREEN	INCLUDED	0.00	0
TOTAL COMMUNICATIONS			332,273
Total Division 27 COMMUNICATIONS			\$332,273
			0
Division 28 ELECTRONIC SAFETY & SECURITY			
SECURITY SYSTEMS			
ACCESS CONTROL SYSTEM - S2 CERTIFIED INTEGRATOR	1 SUB	140,500.00	140,500
IP VIDEO SURVEILLANCE - S2 CERTIFIED INTEGRATOR	INCLUDED	0.00	0
INTERCOM- AIPHONE	INCLUDED	0.00	0
PANIC BUTTONS	INCLUDED	0.00	0
INTRUSTION DETECTION	INCLUDED	0.00	0
TOTAL SECURITY SYSTEMS			140,500
FIRE DETECTION AND ALARM SYSTEM			
FIRE ALARM	W/ DIV. #26	0.00	0
DESIGN AND ENGINEERING	W/ DIV. #26	0.00	0
TOTAL FIRE DETECTION AND ALARM SYSTEM			0
Total Division 28 ELECTRONIC SAFETY AND SECURITY			\$140,500
			0
Division 31 EARTHWORK			
EROSION CONTROL			
EROSION CONTROL MAINTENANCE	80 MHRS	36.51	2,921
SNOW REMOVAL	80 MHRS	36.51	2,921
TOTAL EROSION CONTROL			5,842
EARTHWORK			
4" CDOT CLASS 6 ROAD BASE BELOW THE BUILDING SLAB ON GRADE	1 LSUM	15,505.00	15,505
TOTAL EARTHWORK			15,505
Division 32 EXTERIOR IMPROVEMENTS			
ASPHALT PAVING			
CREDIT TO GO TO FULL DEPTH ASPHALT	1 LSUM	-30,000.00	-30,000
TOTAL ASPHALT PAVING			-30,000
SITE CONCRETE			
TOTAL SITE CONCRETE			0
LANDSCAPING AND IRRIGATION			
32 90 00 GENERAL LANDSCAPE	1 SUB	275,697.00	275,697
32 90 10 LANDSCAPE MAINTENANCE	INCLUDED	0.00	0
32 92 19 SEEDING	INCLUDED	0.00	0

32 92 23 SODDING	INCLUDED	0.00	0
STONE ENTRY FEATURE (GRANITE BOULDERS)	EXCLUDED	0.00	0
LANDSCAPE BOULDER	INCLUDED	0.00	0
LANDSCAPING	INCLUDED	0.00	0
IRRIGATION AND SOD	INCLUDED	0.00	0
IRRIGATION SLEEVES	INCLUDED	0.00	0
TREES AND PLANTINGS	INCLUDED	0.00	0
SOIL PREP (4CY / 1000 SQFT)	INCLUDED	0.00	0
STEEL EDGER	INCLUDED	0.00	0
ROCK MULCH	INCLUDED	0.00	0
SEEDED AREA	INCLUDED	0.00	0
EDGER AND ROCK UNDERNEATH SITE FENCING	- UNITS	0.00	0
MAINTENANCE	30 DAYS	0.00	0
DURA ART SECURITY BOLLARD	- SEE FENCING	0.00	0
TOTAL LANDSCAPING AND IRRIGATION			275,697
CONCRETE PAVERS			
TOTAL CONCRETE PAVERS			0
SECURITY FENCING			
WWF-1 AT THE EVIDENCE STORAGE LOCKERS AND CANINE KENNELS	1 SUB	42,245.00	42,245
TOTAL SECURITY FENCING			42,245
SITE AMENITIES			
TOTAL SITE AMENITIES			0
Division 33 UTILITIES			
WATER SERVICES			
TOTAL WATER SERVICES			0
SANITARY SEWER SERVICES			
TOTAL SANITARY SEWER SERVICES			0
STORM SEWER SERVICES			
4" PERFORATED UNDERDRAIN AT (3) TREE WELLS	181 LF	15.00	2,715
TOTAL STORM SEWER SERVICES			2,715

Exhibit B
Firestone Police Department & Municipal Courts

CONSTRUCTION CLARIFICATIONS AND ASSUMPTIONS

Our 75% Construction Design Documents Estimate dated August 16, 2018 is based on plans and specifications dated June 18, 2018 provided by Roth Sheppard Architects LLP and Addendum #1 which contains answers to RFI #1, #2 and #3 released by Roth Sheppard Architects LLP.

This document is intended to complement the information provided in the detailed estimate and alternate summary.

- Alternate summary costs are provided as a pricing guideline, pricing will fluctuate with final design revision. All items are pending review of AHJ, owner and design team.
- To the extent possible, products by specified basis-of-design manufacturers have been included. Use of comparable products or acceptable manufacturers as identified in the project specifications is considered to be in conformance with the project requirements.
- FCI will endeavor to complete the project in the allotted time frame, however we have not included any compression or acceleration costs in our current estimate, based on a delay to the permitting and design approval process.
- Weather days are not included in the base schedule, nor are they anticipated.

PART 1: Summary of Allowances Included in the 75% CD Budget:

Allowances include costs for materials, tools, equipment, and labor as required for a complete and finished product.

• Wifi system (supply and install)	\$36,180
• Mock-up Allowance	\$5,000
• Magnetic glass whiteboard wall - room 105 (30' 2" x 10' 8")	\$14,490
• Stainless Steel handrail at Judge's Bench	\$4,560
• Steel plate on top of parapet and at the underside of soffits	\$26,000
• Stainless Steel Plumbing trap covers with support structure	\$12,116
• Set aside budget for increases forthcoming from scope refinement and building department review	\$100,000
• Opening 201- Panic Hardware	\$3,079
• Opening 201A- Panic Hardware	\$3,362
• Opening 177B- Standard Door Hardware	\$962

PART 2: Summary of Contractor Provided Voluntary Alternates:

- See attached alternate summary

PART 3: Scope Inclusions and Clarifications

- **Our Phase 2 GMP includes all changes per the Trend Log dated August 16th 2018. All changes noted in the attached Trend Log must be incorporated into the project documents by September 1st 2018. If any of these changes are not made then all costs not reflected in the project documents will be submitted via change order.**
- Hollow metal frames provided with full face weld only.
- Hardware specifications do not match current floor plans and door schedule. Assumptions and corrections were made according to typical industry standards and similar openings in the plans and specifications.
- Finish of the toilet compartments are powder coated metal per materials and finishes key on sheet A0.09. If stainless steel is required per specification, add \$6,464.
- We have assumed Auto Operators on one leaf of each set of Vestibule Doors at Vestibule 101 and Vestibule 142.
- TSS requires 50% deposit and the balance to be paid prior to shipping the glass and framing assembly at Clerk/ Front Desk area. Contract amount = \$38,156.
- 30 Day maintenance for the newly installed landscaping has been included.
- Concealed, hidden or unforeseen conditions have been excluded. No assumption of conditions shall apply.
- Trash removal is included only for the scope of work defined within this proposal.
- FCI Constructors, Inc. assumes no liability for others not under our prime contract.
- If delays are incurred due to circumstances uncontrollable by FCI Constructors, Inc. or imposed by others, general condition charges may be submitted as a change order.
- We have assumed that a Fire Sprinkler system is not required above the Linear Wood Ceiling.
- Seismic requirements have been included per the Seismic Matrix for the Northglenn Justice Center provided by Luke Godwin
- This budget does not take into account Acoustical recommendations from the DL Adams & Associates Acoustical Report.
- Sheet E1.1 Note #7- This Street Light fixture is assumed to be supplied and installed by the City.
- Drywall partitions are built per design on A0.03 and RFI #003 – not to STC ratings. Excludes any STC design or assumptions.
- Interior drywall studs bid with 5-psf/L240 (L360 @ tile) with Manufacturer composite limiting height table.
- Top of wall (2.5") deflection estimated with ¾" up & down movement with stuff-n-spray for sound &/or fire sealant.
- CFMS gauges bid per Structural Details noted. Any changes in Deferred Shop Drawings is a change to the GMP.
- Base bid wall heights are per Partition Type Symbol Key, not by Plan Legend (A3.04A-C)
- Wood doors are bid to AWS standards per current AWI Standard, Edition, 2009, with errata.

- Bid excludes AWI Quality Certification Labels.
- Openings 107, 108A, 189, 201A bid as pairs of doors per floor plan.
- Opening 201 is called out as emergency egress pair of doors but hardware is not specified. \$3,079 has been added as an allowance for panic hardware for emergency egress.
- Opening 201A is called out as emergency egress pair of doors but hardware is not specified. \$3,362 has been added as an allowance for panic hardware for emergency egress similar to Opening 105A/B, HW 700H.
- Opening 177B is specified with HW-005 – Hardware by Door Mfr., but appears to require standard door hardware. \$962 has been added as an allowance for standard door hardware for an exterior opening similar to Opening 120B, HW 205.
- We have included 3" Mineral wool SAFB per Partition type symbol key located on A0.04, all partitions denoted with an "A". We have not included larger widths at 6" stud cavities i.e. we are excluding 6" SAFB at 6" partitions.
- We have priced tamper resistant caulk, not pick proof.
- We have included one month of ground thaw due to projected weather. If an abnormal freeze or snow event occurs additional months required will be paid for with contingency.
- We have included a Cloplay Model 3220 for the Overhead Sectional Doors
- We have included standard grey block at Mechanical and Electrical rooms. 5654 has been completely removed from the project.
- Our Phase 2 GMP is based on the TLA VE quote at 75% CD's in the amount of \$339,684.89.

PART 4: Summary of Items Not Included in FCI's Proposal which are Anticipated to be By Others:

- Building Commissioning
- Low Voltage Equipment and Head End Equipment such as Switches, Servers, Routers, UPS's, PDU's, computers, monitors, keyboards, mice, VOIP Equipment, Phone systems, POE switches and viewing stations.
- Fees associated with LEED or any other building certification
- Materials testing & inspections
- Artwork
- Interior and Exterior Furniture
- Workout equipment at the Fitness Room
- Refrigerators and Freezers in the ID Lab and Evidence Storage
- Metal detectors
- Stanchions to form the metal detector line
- Other FFE Storage items called out on the Furniture plans not explicitly included in the detailed estimate including but not limited to
 - 36" undercounter flammable storage at ID Lab #170
 - 30" undercounter chemical print processing storage at ID Lab #170
 - 18" tall ventilation drug closet w/ integrated ventilation system at ID Lab #170
 - Lecterns
 - Trash/ Recycling bins
- Overhead paging system
- Half wall located in the Courtroom along Grid Line #2 (RSA directed us to remove and they would be providing a furniture alternative)

PART 5: Summary of Items Specifically Excluded from FCI's Proposal:

- Permit fees, plan check fees, use taxes, taxes, water district fees, fire district fees and dry utility fees.
- Moisture Mitigation Systems (17 moisture tests have been included)
- AWI Certification
- Recycling dumpsters
- Design or engineering fees
- Hazardous material abatement
- Support structure(s) for future PV
- Wallpaper
- Galvanized steel
- Flexible Flashing at Masonry- Stainless Steel (not on plans)
- Cell Phone DAS System
- Northern Water District permit/plan review fees
- Dewatering
- Perimeter foundation drain
- Perimeter drain at Monument wall
- Fire pump or Booster pump
- Smoke control system
- Shelving at Room 158
- Thermal ignition barrier mentioned in Specification Section 07 21 19 under 2.02C Installation.
- PE stamped structural calculations and stamped drawings for the Structured Polycarbonate Panel Assemblies 08 45 13.
- Increase in parapet height to accommodate tapered insulation at roof.
- ABBA fees, inspections and reports with regards to 07 21 19 Foamed in place insulation.
- ABBA fees, inspections and reports with regards to the GE Elemax fluid applied air barrier, 07 27 26.
- Time and attendance system
- Master clock system
- Public Address system
- T-12A surface mount sanitary napkin vendors (none shown on the plans)
- Underslab insulation
- AISC Certified Fabricator and Erector
- Sandblasting letters in the site concrete
- 3-tier lockers referenced in Specification 10 51 13-2
- Hospital or terminated stops related to Door Frame and Door scope
- Increases due to commodity prices
- BR rated glazing at Entry Vestibules
- Blackout Shades for Room Darkening
- Fire watch

Exhibit C:

Firestone Police Department and Municipal Courts

Civil and Site Package

Enumeration of Construction Documents

Document:	DWG #	Description:	# of Pages
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Project Manual dated 6/18/2018 as follows:

Table of Contents
Project Directory
Professional Seals
Final Drainage Report 4/30/18

DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS

Available Project Information	00 31 00 – 1
E-File Transfer Disclaimer	1
Geotechnical Data	00 31 32 - 1

DIVISION 1 – GENERAL REQUIREMENTS

Summary – Civil and Site Package	01 11 00 – 5
Substitution Procedures	01 25 00 – 4
Substitution Request Form	1
Contract Modification Procedures	01 26 00 – 3
Payment Procedures	01 29 00 – 5
Project Management and Coordination	01 31 00 – 9
Request for Information (RFI) Form	1
Construction Progress Documentation	01 32 00 – 6
Photographic Documentation	01 32 33 – 2
Submittal Procedures	01 33 00 – 10
Quality Requirements	01 40 00 – 10
References	01 42 00 – 1
Definitions and Conventions	01 42 16 – 4
Temp Facilities and Controls	01 50 00 – 7
Product Requirements	01 60 00 – 5
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Construction Waste Management and Disposal	01 74 19 – 4
Closeout Procedures	01 77 00 – 4
Operation and Maintenance Data	01 78 23 – 7
Warranties and Bond	01 78 35 – 3
Project Record Documents	01 78 39 – 4
Demonstration and Training	01 79 00 – 4

DIVISION 2 – EXISTING CONDITIONS (Not Used)

DIVISION 3 – CONCRETE

CAST-IN PLACE CONCRETE	03 30 00 - 15
POLISHED CONCRETE FINISHING	03 35 10 - 8
CONCRETE FLOOR SEALING	03 39 30 - 4
GLASS-FIBER-REINFORCED CONCRETE PANELS	03 49 00 - 6

Exhibit C:

Firestone Police Department and Municipal Courts Civil and Site Package Enumeration of Construction Documents

Document:	DWG #	Description:	# of Pages
DIVISION 4 – MASONRY			
		UNIT MASONRY	04 20 00 - 18
		REINFORCED UNIT MASONRY	04 27 31 - 9
DIVISION 5 – METALS			
		STRUCTURAL STEEL	05 12 00 - 11
		STEEL JOIST FRAMING	05 21 00 - 4
		STEEL DECKING	05 31 00 - 6
		COLD-FORMED METAL FRAMING	05 40 00 - 5
		METAL FABRICATIONS	05 50 00 - 10
DIVISION 6 – WOOD, PLASTICS & COMPOSITES			
		ROUGH CARPENTRY	06 10 00 - 5
		SHEATHING	06 16 00 - 8
		PLASTIC LAMINATE FACED CASEWORK	06 41 16 - 9
		QUARTZ SURFACING FABRICATIONS	06 61 19 - 7
		FIBERGLASS REINFORCED PANELING (FRP)	06 83 16 - 3
DIVISION 7 – THERMAL & MOISTURE PROTECTION			
		BITUMINOUS DAMPPROOFING	07 11 13 - 4
		THERMAL INSULATION	07 21 00 - 3
		FOUNDATION INSULATION	07 21 05 - 3
		FOAMED-IN-PLACE INSULATION	07 21 19 - 6
		VAPOR RETARDERS	07 26 16 - 4
		VAPOR-PERMEABLE AIR-BARRIER MEMBRANE	07 27 00 - 8
		SELF-ADHERED SHEET MEMBRANE AIR BARRIERS	07 27 13 - 10
		FLUID APPLIED AIR BARRIERS	07 27 26 - 6
		PREFORMED METAL ROOFING	07 41 13 - 7
		PREFORMED METAL WALL PANELS	07 42 13 - 12
		REAR VENTILATED FAÇADE SYSTEM	07 46 43 - 7
		ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING	07 53 23 - 11
		ROOF ACCESSORIES	07 72 00 - 6
		FIRESTOPPING	07 84 00 - 15
		EXTERIOR JOINT SEALANTS	07 92 13 - 6
		INTERIOR JOINT SEALANTS	07 92 16 - 6
		SECURITY SEALANTS	07 93 00 - 6
DIVISION 8 – OPENINGS			
		HOLLOW METAL DOORS AND FRAMES	08 11 13 - 8
		FLUSH WOOD DOORS	08 14 16 - 6
		ACCESS DOORS AND FRAMES	08 31 13 - 4
		OVERHEAD COILING COUNTER DOORS	08 33 20 - 5
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Exhibit C:

Firestone Police Department and Municipal Courts

Civil and Site Package

Enumeration of Construction Documents

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		ALL-GLASS ENTRANCES AND STOREFRONTS	08 41 26 - 6
		STRUCTURAL SEALANT GLAZING	08 44 23 - 9
		STRUCTURED POLYCARBONATE PANEL ASSEMBLIES	08 45 13 - 6
		DOOR HARDWARE	08 71 00 - 45
		EXTERIOR GLASS AND GLAZING	08 81 02 - 7
		INTERIOR GLASS AND GLAZING	08 81 04 - 5
		SECURITY GLAZING	08 88 50 - 7
DIVISION 9 – FINISHES			
		NON-STRUCTURAL METAL FRAMING	09 22 16 - 7
		ACRYLIC PLASTER FINISH	09 25 13 - 4
		GYPSUM BOARD	09 29 00 - 10
		TILING	09 30 00 - 8
		ACOUSTICAL TILE CEILINGS	09 51 23 - 8
		LINEAR WOOD CEILING	09 54 26 - 5
		ACOUSTIC WOOD TILES	09 54 50 - 5
		RESILIENT BASE AND ACCESSORIES	09 65 13 - 5
		RESILIENT TILE FLOORING	09 65 19 - 5
		TILE CARPETING	09 68 13 - 6
		ACOUSTICAL WALL TREATMENT	09 84 00 - 6
		SOUND-ABSORBING WALL UNITS	09 84 13 - 7
		EXTERIOR PAINTING	09 91 13 - 7
		INTERIOR PAINTING	09 91 23 - 10
DIVISION 10 – SPECIALTIES			
		VISUAL DISPLAY SURFACES	10 11 00 - 7
		SIGNAGE	10 14 00 - 5
		DIMENSIONAL LETTER SIGNAGE	10 14 19 - 4
		SITE SIGNAGE	10 14 43 - 3
		BULLET-RESISTANT KEVLAR PANELS	10 19 00 - 3
		TOILET COMPARTMENTS	10 21 13 - 5
		CORNER GUARDS	10 26 00 - 3
		TOILET ACCESSORIES	10 28 00 - 8
		DETENTION ACCESSORIES	10 28 13 - 5
		FIRE PROTECTION EQUIPMENT	10 44 13 - 5
		LOCKERS	10 51 13 - 7
		PERSONAL STORAGE LOCKERS	10 51 15 - 13
		METAL EVIDENCE LOCKERS	10 51 16 - 7
		MOBILE STORAGE SHELVING	10 56 26 - 7
		MISCELLANEOUS SPECIALTIES	10 90 00 - 2

Exhibit C:

Firestone Police Department and Municipal Courts

Civil and Site Package

Enumeration of Construction Documents

Document:	DWG #	Description:	# of Pages
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		SECURITY METAL CEILINGS	11 19 50 – 9
		STAINLESS STEEL COUNTERTOPS	11 40 03 - 3
DIVISION 12 – FURNISHINGS			
		HORIZONTAL LOUVER BLINDS	12 21 13 – 5
		ROLLER WINDOW SHADE INSTALLATION	12 21 24 - 3
		METAL LABORATORY CASEWORK	12 35 53 – 14
		LABORATORY WORKSURFACES	12 36 53 - 8
		ENTRANCE FLOOR GRILLES	12 48 16 - 4
DIVISION 13 – SPECIAL CONSTRUCTION			
		BULLET-RESISTANT ALUMINUM FRAMES	13 06 60 - 6
DIVISION 14 – CONVEYING EQUIPMENT (NOT USED)			
DIVISION 15 – 19 (RESERVED)			
DIVISION 20 – FACILITY SERVICES (NOT USED)			
DIVISION 21 – FIRE SUPPRESSION			
		COMMON WORK RESULTS FOR FIRE SUPPRESSION	21 05 00 - 8
		WATER-BASED FIRE SUPPRESSION SYSTEMS	21 10 00 - 15
DIVISIONS 22 – PLUMBING			
		COMMON WORK RESULTS FOR PLUMBING	22 05 00 – 15
		COMMON MOTOR REQUIREMENTS FOR PLUMBING EQUIPMENT	22 05 13 – 4
		METERS AND GAGES FOR PLUMBING PIPING	22 05 19 - 5
		GENERAL-DUTY VALVES FOR PLUMBING PIPING	22 05 23 - 5
		HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT	22 05 29 - 8
		IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT	22 05 53 - 5
		PLUMBING PIPING INSULATION	22 07 19 - 12
		DOMESTIC WATER PIPING	22 11 16 - 8
		DOMESTIC WATER PIPING SPECIALTIES	22 11 19 - 8
		DOMESTIC WATER PUMPS	22 11 23 - 5
		SANITARY WASTE AND VENT PIPING	22 13 16 – 7
		SANITARY WASTE PIPING SPECIALTIES	22 13 19 – 7
		SANITARY WASTE INTERCEPTORS	22 13 23 – 2
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Exhibit C:

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		COMMON WORK RESULTS FOR HVAC	23 05 00 - 5
		COMMON MOTOR AND VFD REQUIREMENTS	23 05 13 - 13
		SLEEVES AND SLEEVE SEALS FOR HVAC PIPING	23 05 17 - 4
		ESCUTCHEONS FOR HVAC PIPING	23 05 18 - 2
		METERS AND GAGES FOR HVAC PIPING	23 05 19 - 4
		GENERAL-DUTY VALVES FOR HVAC PIPING	23 05 23 - 6
		HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT	23 05 29 – 6
		VIBRATION CONTROLS FOR HVAC PIPING AND EQUIPMENT	23 05 48 - 4
		IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT	23 05 53 – 3
		TESTING, ADJUSTING, AND BALANCING FOR HVAC	23 05 93 - 6
		DUCT INSULATION	23 07 13 – 14
		HVAC EQUIPMENT INSULATION	23 07 16 - 12
		HVAC PIPING INSULATION	23 07 19 – 16
		INSTRUMENTATION AND CONTROL DEVICES FOR HVAC	23 09 13 - 9
		INTEGRATED AUTOMATION LOCAL CONTROL UNITS	23 09 14 – 4
		INTEGRATED AUTOMATION CENTRAL DDC PANEL AND SOFTWARE	23 09 15 - 6
		INTEGRATED AUTOMATION CONTROL SEQUENCES	23 09 93 - 10
		HYDRONIC PIPING	23 21 13 - 9
		HYDRONIC PIPING SPECIALTIES	23 21 16 - 6
		METAL DUCTS	23 31 13 - 14
		AIR DUCT ACCESSORIES	23 33 00 - 8
		HVAC POWER VENTILATORS	23 34 23 – 5
		VEHICLE EXHAUST REMOVAL SYSTEM	23 35 22 - 20
		AIR TERMINAL UNITS	23 36 00 - 4
		DIFFUSERS, REGISTERS, AND GRILLES	23 37 13 - 2
		BREECHINGS, CHIMNEYS, AND STACKS	23 51 00 – 3
		CONDENSING BOILERS	23 52 16 - 8
		GAS-FIRED RADIANT HEATERS	23 55 23 – 4
		SCROLL WATER CHILLERS	23 64 23 - 9
		MODULAR OUTDOOR CENTRAL-STATION AIR-HANDLING UNITS	23 73 13 - 9
		SPLIT-SYSTEM AIR-CONDITIONERS	23 81 26 – 6
		WALL AND CEILING UNIT HEATERS	23 82 39 - 3
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DIVISION 26 - ELECTRICAL			
		GENERAL PROVISIONS	26 00 10 - 8
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Exhibit C:

Firestone Police Department and Municipal Courts

Civil and Site Package

Enumeration of Construction Documents

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		ELECTRICAL DISTRIBUTION SYSTEM	26 00 50 - 4
		LUMINAIRES	26 00 60 - 2
		ELECTRICAL POWER EQUIPMENT	26 00 70 - 2
		MAIN SERVICE TVSS	26 00 90 - 6
		EMERGENCY / STANDBY POWER SYSTEMS & TRANSFER SWITCHES	26 01 50 - 7
		GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS ●	26 05 26 - 6
		ENGINE GENERATORS	26 32 13 - 10
		EXTERIOR LIGHTING ●	26 56 00 - 4
DIVISION 27 – COMMUNICATIONS			
		COMMON WORK RESULTS FOR COMMUNICATION SYSTEMS ●	27 05 00 – 10
		GROUNDING AND BONDING FOR COMMUNICATIONS SYSTEMS ●	27 05 26 - 4
		HANGERS AND SUPPORTS FOR COMMUNICATIONS SYSTEMS	27 05 29 - 5
		CABLE TRAYS FOR COMMUNICATIONS SYSTEMS	27 05 36 - 4
		IDENTIFICATION FOR COMMUNICATIONS SYSTEMS	27 05 53 – 2
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		COMMUNICATIONS EQUIPMENT ROOM FITTINGS	27 11 00 - 5
		COPPER INTER-BUILDING BACKBONE CABLE ●	27 17 10 – 5
		INTER-BUILDING FIBER OPTIC CABLE ●	27 17 20 - 10
		COMMUNICATIONS TESTING	27 18 00 – 4
		INTEGRATED AUDIO VISUAL SYSTEMS	27 41 28 – 12
		CATV/SATV DISTRIBUTION SYSTEMS	27 41 51 - 10
		PUBLIC ADDRESS SYSTEM	27 51 16 – 6
		INTERCOMMUNICATION SYSTEM	27 51 23 - 7
		DISTRIBUTED ANTENNA SYSTEMS	27 53 19 – 5
DIVISION 28 – ELECTRONIC SAFETY AND SECURITY			
		COMMON WORK RESULTS FOR ELECTRONIC SAFETY AND SECURITY	28 05 00 - 7
		ACCESS CONTROL SYSTEM	28 13 00 - 11
		VIDEO SURVEILLANCE SYSTEM	28 23 00 - 11
DIVISION 31 – CIVIL			
		SITE PREPARATION ●	31 00 00 – 5
		EARTHWORK ●	31 20 00 – 4
		EROSION AND SEDIMENT CONTROL ●	31 25 00 – 2
DIVISION 32 – LANDSCAPE			
		ASPHALT PAVING ●	32 12 16 - 4
		CONCRETE PAVING ●	32 13 13 - 7
		SECURITY FENCING	32 31 00 - 5
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Exhibit C:

Firestone Police Department and Municipal Courts

Civil and Site Package

Enumeration of Construction Documents

Document:	DWG #	Description:	# of Pages
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		LANDSCAPE MAINTENANCE	32 90 10 - 10
		SOIL PREPARATION	32 91 10 - 6
		SEEDING	32 92 19 - 6
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		DIVISION 33 – UTILITIES	
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Phase 2 Project Drawings dated 06/18/18:

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G0.01 PROJECT INFORMATION & SHEET INDEX
G0.02 GENERAL PROJECT NOTES
G0.03 GENERAL PROJECT NOTES
G0.05 CODE ANALYSIS
G0.06 LIFE SAFETY SITE PLAN
G0.07 LIFE SAFETY FLOOR PLAN
G0.08 PROJECT SITE PLAN NOTES
G1.11 ADA GUIDELINES & DETAILS
G1.12 ADA GUIDELINES & DETAILS
G1.13 ADA GUIDELINES & DETAILS
G1.14 ADA GUIDELINES & DETAILS

CIVIL

C1.01 COVER SHEET
C1.02 NOTES, ABBREVIATIONS, & LEGEND
C1.03 GEOMETRIC CONTROL PLAN

Exhibit C:

Firestone Police Department and Municipal Courts

Civil and Site Package

Enumeration of Construction Documents

Document:	DWG #	Description:	# of Pages
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C1.04	INITIAL SWMP		
C1.05	INTERIM SWMP		
C1.06	FINAL SWMP		
C1.07	SWMP DETAILS		
C1.08	SWMP DETAILS		
C1.09	SWMP DETAILS		
C2.01	PARK AVENUE PLAN AND PROFILE		
C2.02	GRADING PLAN		
C2.03	GRADING PLAN		
C2.04	GRADING PLAN		
C2.05	GRADING PLAN		
C2.06	ROADWAY DETAILS		
C2.07	SITE DETAILS		
C3.01	OVERALL UTILITY PLAN		
C3.02	STORM SEWER PLAN AND PROFILE		
C3.03	STORM SEWER PLAN AND PROFILE		
C3.04	STORM SEWER PLAN AND PROFILE		
C3.05	UTILITY PLAN		
C3.06	UTILITY PLAN		
C3.07	UTILITY DETAILS		
C3.08	UTILITY DETAILS		
C4.01	PAVEMENT PLAN		
C5.01	SIGNAGE AND STRIPING PLAN		
C5.02	SIGNAGE AND STRIPING PLAN		
C6.01	OFFSITE SANITARY SEWER COVER SHEET		
C6.02	PARK AVENUE SANITARY SEWER PLAN AND PROFILE		
C6.03	SANITARY SEWER DETAILS		

IRRIGATION

L1.00	NOTES AND SCHEDULE		
L2.00	NOTES AND SCHEDULE		
L3.00	LANDSCAPE PLAN		
L4.00	LANDSCAPE PLAN		
L5.00	LANDSCAPE PLAN		
L6.00	LANDSCAPE PLAN		
L7.00	LANDSCAPE DETAILS		
L8.00	LANDSCAPE DETAILS		
I1.00	NOTES AND SCHEDULE		
I2.00	IRRIGATION PLAN		
I3.00	IRRIGATION PLAN		
I4.00	IRRIGATION PLAN		
I5.00	IRRIGATION PLAN		
I6.00	IRRIGATION DETAILS		

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Firestone Police Department and Municipal Courts

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I7.00		IRRIGATION DETAILS	
I8.00		IRRIGATION DETAILS	

ARCHITECTURAL

A0.01		ARCHITECTURAL ABBREVIATIONS & SYMBOLS	
A0.02		EXTERIOR FLOOR, GLASS, ROOF + SOFFIT ASSEMBLIES	
A0.03		EXTERIOR WALL ASSEMBLIES	
A0.04		PARTITION SCHEDULE	
A0.05A		TYPICAL PARTITION DETAILS	
A0.05B		TYPICAL PARTITION DETAILS	
A0.05C		TYPICAL PARTITION DETAILS	
A0.06		DOOR SCHEDULE	
A0.07		DOOR SCHEDULE & DOOR TYPES	
A0.08A		TYPICAL DOOR & FRAME DETAILS	
A0.08B		TYPICAL DOOR & FRAME DETAILS	
A0.08C		TYPICAL DOOR & FRAME DETAILS	
A0.09		MATERIALS LEGEND	
A0.11		FINISH SCHEDULE	
A0.12A		EQUIPMENT SCHEDULES	
A0.12B		EQUIPMENT SCHEDULES	
A0.13		ACCESSORIES AND MOUNTING HEIGHTS	
A0.14		WINDOW SCHEDULE	
A0.15		WINDOW SCHEDULE	
A0.16		CASEWORK SCHEDULE	
A1.01		PROJECT SITE PLAN	
A1.11		ENLARGED SITE DETAILS - TRASH ENCLOSURE	
A1.12		ENLARGED SITE DETAILS - ELECTRICAL YARD	
A1.13		ENLARGED SITE DETAILS - CARPORT	
A3.01		OVERALL FLOOR PLAN	
A3.04A		ENLARGED FLOOR PLAN - AREA A	
A3.04B		ENLARGED FLOOR PLAN - AREA B	
A3.04C		ENLARGED FLOOR PLAN - AREA C	
A3.11		OVERALL ROOF PLAN	
A3.14A		ENLARGED ROOF PLAN - AREA A	
A3.14B		ENLARGED ROOF PLAN - AREA B	
A3.14C		ENLARGED ROOF PLAN - AREA C	
A3.21		ENLARGED PLAN, RCP, ELEVATIONS - PUBLIC VESTIBULE	
A3.22		ENLARGED PLAN, RCP, ELEVATIONS - POLICE VESTIBULE	
A3.23		ENLARGED FLOOR PLAN - RECEPTION, PUBLIC LOBBY	
A3.24		ENLARGED FLOOR PLAN - PUBLIC RESTROOMS	
A3.25		ENLARGED FLOOR PLAN - FITNESS, LOCKER ROOMS, WELLNESS ROOMS	
A3.26		ENLARGED FLOOR PLAN - POLICE RESTROOMS	
A3.27		ENLARGED FLOOR PLAN - ARMORY, ID LAB, EVIDENCE	

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A3.28		ENLARGED FLOOR PLAN - DETENTION	
A3.29		ENLARGED FLOOR PLAN - COURTROOM	
A4.01		OVERALL RCP	
A4.04A		ENLARGED RCP - AREA A	
A4.04B		ENLARGED RCP - AREA B	
A4.04C		ENLARGED RCP - AREA C	
A4.11		ENLARGED RCP - LOBBY	
A4.12		ENLARGED RCP - COURT/BOARDROOM	
A4.13		ENLARGED REFLECTED CEILING PLAN - PUBLIC, CHIEF RESTROOMS	
A4.14		ENLARGED REFLECTED CEILING PLAN - POLICE LOCKER ROOMS, RESTROOMS	
A5.01		OVERALL EXTERIOR ELEVATIONS - 1/16"	
A5.11		OVERALL EXTERIOR ELEVATIONS - 1/8"	
A5.12		OVERALL EXTERIOR ELEVATIONS - 1/8"	
A5.13		OVERALL EXTERIOR ELEVATIONS - 1/8"	
A5.21		ENLARGED EXTERIOR ELEVATIONS	
A5.31		OVERALL EXTERIOR 3D AXONOMETRIC VIEWS	
A5.32		OVERALL EXTERIOR 3D AXONOMETRIC VIEWS	
A6.01		OVERALL BUILDING SECTIONS - 1/16"	
A6.02		OVERALL BUILDING SECTIONS - 1/16"	
A6.11		OVERALL BUILDING SECTIONS - 1/8" (SPLIT)	
A6.12		OVERALL BUILDING SECTIONS - 1/8" (SPLIT)	
A6.13		OVERALL BUILDING SECTIONS - 1/8"	
A6.14		OVERALL BUILDING SECTIONS - 1/8"	
A6.21		WALL SECTIONS	
A6.22		WALL SECTIONS	
A6.23		WALL SECTIONS	
A6.24		WALL SECTIONS	
A6.25		WALL SECTIONS	
A6.26		WALL SECTIONS	
A6.27		WALL SECTIONS	
A6.28		WALL SECTIONS	
A6.29		WALL SECTIONS	
A6.31		EXTERIOR PLAN DETAILS	
A6.32		EXTERIOR PLAN DETAILS	
A6.33		EXTERIOR PLAN DETAILS	
A6.34		EXTERIOR PLAN DETAILS - ROOF MONITOR, MECH SCREEN	
A6.41		EXTERIOR SECTION DETAILS	
A6.42		EXTERIOR SECTION DETAILS	
A6.43		EXTERIOR SECTION DETAILS	
A6.44		EXTERIOR SECTION DETAILS	
A6.45		EXTERIOR SECTION DETAILS	
A6.46		EXTERIOR SECTION DETAILS	
A6.47		EXTERIOR SECTION DETAILS	

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A6.48		EXTERIOR SECTION DETAILS - ROOF	
A7.01		OVERALL FURNITURE + EQUIPMENT PLAN	
A7.04A		ENLARGED FURNITURE + EQUIPMENT PLAN - AREA A	
A7.04B		ENLARGED FURNITURE + EQUIPMENT PLAN - AREA B	
A7.04C		ENLARGED FURNITURE + EQUIPMENT PLAN - AREA C	
A7.11		OVERALL FINISH FLOOR PLAN	
A7.21		ENLARGED FURNITURE + EQUIPMENT PLAN - LOBBY	
A7.22A		ENLARGED FURNITURE + EQUIPMENT PLAN - COURT SESSION	
A7.22B		ENLARGED FURNITURE + EQUIPMENT PLAN - BOARD ROOM	
A7.22C		ENLARGED FURNITURE + EQUIPMENT PLAN - JURY TRIAL	
A7.23		ENLARGED FURNITURE + EQUIPMENT PLAN - ADMINISTRATION	
A7.31		INTERIOR ELEVATIONS	
A7.32		INTERIOR ELEVATIONS	
A7.33		INTERIOR ELEVATIONS	
A7.34		INTERIOR ELEVATIONS	
A7.35		INTERIOR ELEVATIONS	
A7.36		INTERIOR ELEVATIONS	
A7.37		INTERIOR ELEVATIONS	
A7.41		INTERIOR DETAILS - TYP MATERIAL TRANSITIONS	
A7.51		INTERIOR SECTION DETAILS	

STRUCTURAL

S0.01		GENERAL NOTES	
S0.02		GENERAL NOTES	
S0.03		GENERAL NOTES/LOAD KEYS	
S0.04		TYPICAL DETAILS	
S0.05		TYPICAL DETAILS	
S0.06		TYPICAL DETAILS	
S0.07		TYPICAL DETAILS	
S0.08		TYPICAL DETAILS	
S3.00		OVERALL GRID PLAN	
S3.01A		LEVEL 1 PLAN - AREA A	
S3.01B		LEVEL 1 PLAN - AREA B	
S3.01C		LEVEL 1 PLAN - AREA C	
S3.02A		ROOF PLAN - AREA A	
S3.02B		ROOF PLAN - AREA B	
S3.02C		ROOF PLAN - AREA C	
S5.01		ELEVATIONS	
S5.02		ELEVATIONS	
S6.11		DETAILS	
S6.12		DETAILS	
S6.13		DETAILS	
S6.14		DETAILS	

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S6.15	DETAILS		
S6.16	DETAILS		
S6.17	DETAILS		
S6.18	DETAILS		
S7.11	SCHEDULES		

MECHANICAL

M0.01	HVAC SCHEDULES		
M0.02	HVAC SCHEDULES		
M0.03	HVAC DETAILS		
M0.04	HVAC DETAILS		
M0.05	HVAC DETAILS		
M0.06	HEATING & CHILLED WATER PLANT PIPING & CONTROL SCHEMATICS		
M0.07	AHU-1 AND VAV BOX PIPING AND CONTROL SCHEMATIC		
M0.08	AHU-2 PIPING AND CONTROL SCHEMATIC		
M0.09	OUTSIDE AIR CALCULATIONS		
M0.10	COMCHECK		
M3.01	OVERALL HVAC FLOOR PLAN		
M3.02	OVERALL HVAC ROOF PLAN		
M3.05A	ENLARGED HVAC SHEET METAL PLAN - AREA A		
M3.05B	ENLARGED HVAC SHEET METAL PLAN - AREA B		
M3.05C	ENLARGED HVAC SHEET METAL PLAN - AREA C		
M3.06A	ENLARGED HVAC PIPING PLAN - AREA A		
M3.06B	ENLARGED HVAC PIPING PLAN - AREA B		
M3.06C	ENLARGED HVAC PIPING PLAN - AREA C		
M3.10	ENLARGED HVAC BOILER ROOM PLAN		
M4.01	HVAC SECTIONS		
M4.02	HVAC SECTIONS		

ELECTRICAL

E0.1	ELECTRICAL LEGEND & SPECIFICATION		
E2.1	POWER PLAN - WEST		
E2.2	POWER PLAN - EAST		
E2.3	MECHANICAL ELECTRICAL PLAN - WEST		
E2.4	MECHANICAL ELECTRICAL PLAN - EAST		
E3.1	LIGHTING PLAN - WEST		
E3.2	LIGHTING PLAN - EAST		
E3.3	ELECTRICAL PLAN - MEMORIAL GARDEN		
E3.4	LUMINAIRE SCHEDULES COMCHECK REPORTS		
E3.5	LIGHTING CONTROLS RISERS (TYPICALS)		
E5.1	ELECTRICAL ONE LINE DIAGRAM, FIRE ALARM ONE LINE, SCHEDULES, & GENERAL NOTES		

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E5.2 PANEL SCHEDULES

PLUMBING

FP3.01 FIRE PROTECTION PLAN

P0.1 PLUMBING SCHEDULES

P0.2 PLUMBING DETAILS

P3.01 PLUMBING FLOOR PLAN - OVERALL

P3.02 PLUMBING ROOF PLAN

P4.01 PLUMBING FLOOR PLAN - AREA A

P4.02 PLUMBING FLOOR PLAN - AREA B

P4.03 PLUMBING FLOOR PLAN - AREA C

P5.01 PLUMBING FLOOR PLAN - ADMIN TOILETS

P5.02 PLUMBING FLOOR PLAN - WOMEN'S LOCKER ROOM

P5.03 PLUMBING FLOOR PLAN - MEN'S LOCKER ROOM

P5.04 PLUMBING FLOOR PLANS - BOILER ROOM

P5.05 PLUMBING FLOOR PLANS & DETAILS

AV

T-000 TECHNOLOGY LEGEND AND INDEX

T-001 TECHNOLOGY LEGEND NOTES AND RISER

T-002 TECHNOLOGY DETAILS

T-003 TECHNOLOGY DETAILS AND RESPONSIBILITY MATRIX

T-110 TECHNOLOGY FLOOR PLAN - OVERALL

T-111 TECHNOLOGY FLOOR PLAN - AREA A

T-112 TECHNOLOGY FLOOR PLAN - AREA B

T-113 TECHNOLOGY FLOOR PLAN - AREA C

T-120 TECHNOLOGY ROOF PLAN – OVERALL

T-401 TECHNOLOGY MDF

T-402 TECHNOLOGY IDF

Phase 2 answers to RFI's released by Roth Sheppard Architects:

RFI #1- Answered by RSA on 6/29/2018

RFI #2- Answered by RSA on 7/2/2018

RFI #3- Answered by RSA on 7/13/2018

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- Previously issued with the “Phase 1 – Civil & Site Package”

AGENDA INFORMATION MEMORANDUM

FIRESTONE TOWN BOARD OF TRUSTEES



AIM#: 8.e.

Discussion/Action

Meeting Date: August 22, 2018

Initiated By: Jennifer Weinberger

Dept: Administration

AGENDA TITLE

Resolution 18-32: Approval of the First Amendment to the THK Contract - Parks Planning

SUMMARY

This is a first amendment to the THK Associates contract for professional services - Parks Planning. The amendment and the resolution are to increase the not-to-exceed amount from \$30,000 to \$60,000 for 2018. Currently THK Associates have spent approximately \$27,000 of the original \$30,000 budget. This contract is for park planning designated by the Board of Trustees.

HISTORY AND PREVIOUS BOARD ACTION

The original contract was approved by the Board of Trustees on May 23, 2018.

RECOMMENDATION

Staff recommends approval of the first amendment to the THK Parks Planning contract.

"I MOVE TO APPROVE RESOLUTION 18-32, A RESOLUTION APPROVING THE FIRST AMENDMENT OF THE INDEPENDENT CONTRACTOR AGREEMENT BY AND BETWEEN THE TOWN OF FIRESTONE AND THK ASSOCIATES, INC. FOR PROFESSIONAL CONSULTING SERVICES NOT TO EXCEED \$60,000"

ALTERNATIVES

The Board can give staff direction.

ATTACHMENTS

1. First Amendment to THK Associates Professional Consulting Services Contract
2. Reso Approving First Amendment to THK Associates Inc. Contract

FINANCIAL CONSIDERATIONS

This will be paid out of the same fund in the CIP for Parks.

**FIRST AMENDMENT TO INDEPENDENT CONTRACTOR AGREEMENT BY AND
BETWEEN THE TOWN OF FIRESTONE
AND THK ASSOCIATES, INC. FOR PROFESSIONAL CONSULTING SERVICES**

THIS FIRST AMENDMENT TO INDEPENDENT CONTRACTOR AGREEMENT is made and entered into this 22 day of August, 2018, by and between the **TOWN OF FIRESTONE**, a Colorado municipal corporation, hereinafter referred to as the “Town”, and **THK ASSOCIATES, INC.**, a Colorado corporation, hereinafter referred to as the “Contractor,” with reference to that certain Independent Contractor Agreement between the Town and Contractor executed by the Town on May 23, 2018, and hereinafter referred to as the “Original Agreement.”

WHEREAS, the Town and Contractor desire to amend Section 4 of the Original Agreement with respect to the total not to exceed price of the Contractor’s services;

NOW, THEREFORE, for good and valuable consideration, the Parties agree as follows:

1. Section 4.1 of the Original Agreement is hereby amended to read as follows (words added are underlined; words deleted are ~~stricken through~~):

4.1 The Town shall pay the Consultant for Services requested and rendered under this Agreement at the hourly rates set forth in Exhibit “A” attached hereto and incorporated herein by this reference. The Town shall pay mileage and other reimbursable expenses (such as meals, parking, travel expenses, necessary memberships, etc.) which are deemed necessary for performance of the services and which are pre-approved by the Town Planner. The total cost of the Contractor’s services ~~total cost~~ shall not exceed \$60,000 ~~a total of \$30,000~~. The foregoing amounts of compensation shall be inclusive of all costs of whatsoever nature associated with the Consultant’s efforts, including but not limited to salaries, benefits, overhead, administration, profits, expenses, and outside consultant fees. The Scope of Services and payment therefor shall only be changed by a properly authorized amendment to this Agreement. No Town employee has the authority to bind the Town with regard to any payment for any services which exceeds the amount payable under the terms of this Agreement.

2. The Original Agreement, as herein amended by this First Amendment, is hereby ratified and confirmed and remains in full force and effect in accordance with its terms.

IN WITNESS WHEREOF, the Parties have executed this First Amendment to Independent Contractor Agreement effective as of the day and year first above set forth.

TOWN OF FIRESTONE,
a Colorado Municipal Corporation

By: _____
Bobbi Sindelar, Mayor

Attest: _____
Leah Vanarsdall, Town Clerk

CONTRACTOR:
THK ASSOCIATES, INC.
a Colorado Corporation

By: _____
Title: _____

RESOLUTION NO. 18-32

A RESOLUTION APPROVING A FIRST AMENDMENT TO INDEPENDENT CONTRACTOR AGREEMENT BY AND BETWEEN THE TOWN OF FIRESTONE AND THK ASSOCIATES, INC. FOR PROFESSIONAL CONSULTING SERVICES

WHEREAS, the Town and THK Associates, Inc. previously entered into that certain Independent Contractor Agreement for Professional Consulting Services, which was approved by the Town on May 23, 2018 (the “Original Agreement”); and

WHEREAS, the parties desire to amend the Original Agreement with respect to the total not to exceed price of the Contractor’s services; and

WHEREAS, the Board of Trustees has determined that the First Amendment is in the best interests of the Town and its citizens and desires to enter into such contract and related documents;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF FIRESTONE, COLORADO:

Section 1. The First Amendment to Independent Contractor Agreement by and between the Town of Firestone and THK Associates, Inc. for Professional Consulting Services (the “First Amendment”) is hereby approved in essentially the same form as the copy of such First Amendment accompanying this resolution.

Section 2. The Mayor is hereby authorized to execute the First Amendment, except that the Mayor is hereby further granted the authority to negotiate and approve such revisions to said First Amendment as the Mayor determines are necessary or desirable for the protection of the Town, so long as the essential terms and conditions of the First Amendment are not altered.

INTRODUCED, ADOPTED AND RESOLVED THIS 22 DAY OF AUGUST, 2018.

TOWN OF FIRESTONE

Bobbi Sindelar, Mayor

ATTEST:

Leah Vanarsdall, Town Clerk

AGENDA INFORMATION MEMORANDUM

FIRESTONE TOWN BOARD OF TRUSTEES



AIM#: 8.f.

Discussion/Action

Meeting Date: August 22, 2018

Initiated By: AJ Krieger

Dept: Administration

AGENDA TITLE

An Agreement Between the Town of Firestone and Arrakeen Resources LTD CO for Consulting Services

SUMMARY

The Town desires to enter into an agreement with Arrakeen Resources LTD CO, a Consulting firm that will assist the Town on oil and gas permitting and contracts. The scope of work includes:

- Consult with the Town during negotiation of Kugel surface use agreement
- Review and provide comments for Kugel and Bighorn special use permit applications
- Consult with Town for suitable BMP's (Best Management Practices)

HISTORY AND PREVIOUS BOARD ACTION

RECOMMENDATION

Staff recommends the approval of the agreement between the Town of Firestone and Arrakeen Resources LTD CO.

"I MOVE TO APPROVE THE AGREEMENT BETWEEN THE TOWN OF FIRESTONE AND ARRKEEN RESOURCES LTD CO FOR CONSULTING SERVICES."

ALTERNATIVES

The Board can provide alternative direction to staff.

ATTACHMENTS

1. Arrakeen Resources LTD CO Consulting Agreement

FINANCIAL CONSIDERATIONS

The contract will be funded out of the general fund, where money was allocated for general consulting contracts should they arise during the year and be needed.

This contract is for a not-to-exceed amount of \$20,000, and expires on December 31, 2018.

**AN AGREEMENT BY AND BETWEEN THE TOWN OF FIRESTONE
AND ARRAKEEN RESOURCE LTD CO
FOR CONSULTING SERVICES**

1.0 PARTIES

The parties to this Agreement are the **Town of Firestone**, a Colorado municipal corporation, hereinafter referred to as the "Town", and ARRAKEEN RESOURCE LTD CO, a CONSULTING FIRM, hereinafter referred to as the "Consultant".

2.0 RECITALS AND PURPOSE

- 2.1** The Town desires to engage the Consultant for the purpose of providing COUNSEL ON OIL AND GAS PERMITTING AND CONTRACTS as further set forth in the Consultant's Scope of Services (which services are hereinafter referred to as the "Services").
- 2.2** The Consultant represents that it has the special expertise, qualifications and background necessary to complete the Services.

3.0 SCOPE OF SERVICES

The Consultant agrees to provide the Town with the specific Services and to perform the specific tasks, duties and responsibilities set forth in Scope of Services attached hereto as Exhibit "A" and incorporated herein by reference.

4.0 COMPENSATION

- 4.1** The Town shall pay the Consultant for services under this agreement a total not to exceed, twenty thousand dollars (\$20,000) set forth in Exhibit "B" attached hereto and incorporated herein by this reference. The Town shall pay mileage and other reimbursable expenses (such as meals, parking, travel expenses, necessary memberships, etc.) which are deemed necessary for performance of the services and which are pre-approved by the Interim Town Manager. The foregoing amounts of compensation shall be inclusive of all costs of whatsoever nature associated with the Consultant's efforts, including but not limited to salaries, benefits, overhead, administration, profits, expenses, and outside consultant fees. The Scope of Services and payment therefor shall only be changed by a properly authorized amendment to this Agreement. No Town employee has the authority to bind the Town with regard to any payment for any services which exceeds the amount payable under the terms of this Agreement.
- 4.2** The Consultant shall submit monthly an invoice to the Town for Services rendered and a detailed expense report for pre-approved, reimbursable expenses incurred during the previous month. The invoice shall document the Services provided during the preceding month, identifying by work category and subcategory the work and tasks performed and such other information as may be required by the Town. The Consultant shall provide such additional

backup documentation as may be required by the Town. The Town shall pay the invoice within thirty (30) days of receipt unless the Services or the documentation therefor are unsatisfactory. Payments made after thirty (30) days may be assessed an interest charge of one percent (1%) per month unless the delay in payment resulted from unsatisfactory work or documentation therefor.

5.0 PROJECT REPRESENTATION

5.1 The Town designates Arthur J. Krieger as the responsible Town staff to provide direction to the Consultant during the conduct of the Services. The Consultant shall comply with the directions given by Arthur J. Krieger and such person's designees.

5.2 The Consultant designates Chad E. Taylor as its project manager and as the principal in charge who shall be providing the Services under this Agreement. Should any of the representatives be replaced, particularly Chad E. Taylor, and such replacement require the Town or the Consultant to undertake additional reevaluations, coordination, orientations, etc., the Consultant shall be fully responsible for all such additional costs and services.

6.0 TERM

The term of this Agreement shall be August 22, 2018 to December 31, 2018, unless sooner terminated pursuant to Section 13, below. The Consultant's services under this Agreement shall commence upon execution of this Agreement by the Town and shall progress so that the Services are completed in a timely fashion consistent with the Town's requirements. Nothing in this Agreement is intended or shall be deemed or construed as creating any multiple-fiscal year direct or indirect debt or financial obligation on the part of the Town within the meaning of Colorado Constitution Article X, Section 20 or any other constitutional or statutory provision. All financial obligations of the Town under this Agreement are subject to annual budgeting and appropriation by the Firestone Board of Trustees, in its sole discretion.

7.0 INSURANCE

7.1 The Consultant agrees to procure and maintain, at its own cost, the policies of insurance set forth in Subsections 7.1.1 through 7.1.4. The Consultant shall not be relieved of any liability, claims, demands, or other obligations assumed pursuant to this Agreement by reason of its failure to procure or maintain insurance, or by reason of its failure to procure or maintain insurance in sufficient amounts, durations, or types. The coverages required below shall be procured and maintained with forms and insurers acceptable to the Town. All coverages shall be continuously maintained from the date of commencement of services hereunder. The required coverages are:

7.1.1 Workers' Compensation insurance as required by the Labor Code of the State of Colorado and Employers Liability Insurance. Evidence of qualified self-insured status may be substituted.

- 7.1.2 General Liability insurance with minimum combined single limits of ONE MILLION DOLLARS (\$1,000,000) each occurrence and ONE MILLION DOLLARS (\$1,000,000) aggregate. The policy shall include the Town of Firestone, its officers and its employees, as additional insureds, with primary coverage as respects the Town of Firestone, its officers and its employees, and shall contain a severability of interests provision.
- 7.1.3 Comprehensive Automobile Liability insurance with minimum combined single limits for bodily injury and property damage of not less than THREE HUNDRED AND FIFTY THOUSAND DOLLARS (\$350,000) per person in any one occurrence and ONE MILLION DOLLARS (\$1,000,000) for two or more persons in any one occurrence, and auto property damage insurance of at least FIFTY THOUSAND DOLLARS (\$50,000) per occurrence, with respect to each of Consultant's owned, hired or non-owned vehicles assigned to or used in performance of the services. The policy shall contain a severability of interests provision. If the Consultant has no owned automobiles, the requirements of this paragraph shall be met by each employee of the Consultant providing services to the Town of Firestone under this contract.
- 7.1.4 Professional Liability coverage with minimum combined single limits of TWO MILLION DOLLARS (\$2,000,000) each occurrence and TWO MILLION DOLLARS (\$2,000,000) aggregate.
- 7.2 The Consultant's general liability insurance and automobile liability shall be endorsed to include the Town, and its elected and appointed officers and employees, as additional insureds, unless the Town in its sole discretion waives such requirement. Every policy required above shall be primary insurance, and any insurance carried by the Town, its officers, or its employees, shall be excess and not contributory insurance to that provided by the Consultant. Such policies shall contain a severability of interests provision. The Consultant shall be solely responsible for any deductible losses under each of the policies required above.
- 7.3 Certificates of insurance shall be provided by the Consultant as evidence that policies providing the required coverages, conditions, and minimum limits are in full force and effect, and shall be subject to review and approval by the Town. No required coverage shall be cancelled, terminated or materially changed until at least 30 days prior written notice has been given to the Town. The Town reserves the right to request and receive a certified copy of any policy and any endorsement thereto.
- 7.4 Failure on the part of the Consultant to procure or maintain policies providing the required coverages, conditions, and minimum limits shall constitute a material breach of contract upon which the Town may immediately terminate the contract, or at its discretion may procure or renew any such policy or any extended reporting period thereto and may pay any and all premiums in connection therewith, and all monies so paid by the Town shall be repaid by Consultant to the Town upon demand, or the Town may offset the cost of the premiums against any monies due to Consultant from the Town.

7.5 The parties understand and agree that the Town is relying on, and does not waive or intend to waive by any provision of this contract, the monetary limitations (presently \$350,000 per person and \$990,000 per occurrence) or any other rights, immunities, and protections provided by the Colorado Governmental Immunity Act, § 24-10-101 et seq., 10 C.R.S., as from time to time amended, or otherwise available to the Town, its officers, or its employees.

8.0 INDEMNIFICATION

To the fullest extent permitted by law, the Consultant agrees to indemnify and hold harmless the Town, and its elected and appointed officers and its employees, from and against all liability, claims, and demands, on account of any injury, loss, or damage, which arise out of or are connected with the services hereunder, if such injury, loss, or damage is caused by the negligent act, omission, or other fault of the Consultant or any subcontractor of the Consultant, or any officer, employee, or agent of the Consultant or any subcontractor, or any other person for whom Consultant is responsible. The Consultant shall investigate, handle, respond to, and provide defense for and defend against any such liability, claims, and demands. The Consultant shall further bear all other costs and expenses incurred by the Town or Consultant and related to any such liability, claims and demands, including but not limited to court costs, expert witness fees and attorneys' fees if the court determines that these incurred costs and expenses are related to such negligent acts, errors, and omissions or other fault of the Consultant. The Town shall be entitled to its costs and attorneys' fees incurred in any action to enforce the provisions of this Section 8.0. The Consultant's indemnification obligation shall not be construed to extend to any injury, loss, or damage which is caused by the act, omission, or other fault of the Town.

9.0 QUALITY OF WORK

Consultant's professional services shall be in accordance with the prevailing standard of practice normally exercised in the performance of services of a similar nature in the Denver metropolitan area.

10.0 INDEPENDENT CONTRACTOR

Consultant and any persons employed by Consultant for the performance of work hereunder shall be independent contractors and not agents of the Town. Any provisions in this Agreement that may appear to give the Town the right to direct Consultant as to details of doing work or to exercise a measure of control over the work mean that Consultant shall follow the direction of the Town as to end results of the work only. **As an independent contractor, Consultant is not entitled to workers' compensation benefits except as may be provided by the independent contractor nor to unemployment insurance benefits unless unemployment compensation coverage is provided by the independent contractor or some other entity. The Consultant is obligated to pay all federal and state income tax on any moneys earned or paid pursuant to this contract.**

11.0 ASSIGNMENT

Consultant shall not assign or delegate this Agreement or any portion thereof, or any monies due to or become due hereunder without the Town's prior written consent.

12.0 DEFAULT

Each and every term and condition hereof shall be deemed to be a material element of this Agreement. In the event either party should fail or refuse to perform according to the terms of this Agreement, such party may be declared in default.

13.0 TERMINATION

13.1 This Agreement may be terminated by either party for material breach or default of this Agreement by the other party not caused by any action or omission of the other party by giving the other party written notice at least thirty (30) days in advance of the termination date. Termination pursuant to this subsection shall not prevent either party from exercising any other legal remedies which may be available to it.

13.2 In addition to the foregoing, this Agreement may be terminated by the Town for its convenience and without cause of any nature by giving written notice at least fifteen (15) days in advance of the termination date. In the event of such termination, the Consultant will be paid for the reasonable value of the services rendered to the date of termination, not to exceed a pro-rated daily rate, for the services rendered to the date of termination, and upon such payment, all obligations of the Town to the Consultant under this Agreement will cease. Termination pursuant to this Subsection shall not prevent either party from exercising any other legal remedies which may be available to it.

14.0 INSPECTION AND AUDIT

The Town and its duly authorized representatives shall have access to any books, documents, papers, and records of the Consultant that are related to this Agreement for the purpose of making audits, examinations, excerpts, and transcriptions.

15.0 DOCUMENTS

All computer input and output, analyses, plans, documents, photographic images, tests, maps, surveys, electronic files and written material of any kind generated in the performance of this Agreement or developed for the Town in performance of the Services are and shall remain the sole and exclusive property of the Town. All such materials shall be promptly provided to the Town upon request therefor and at the time of termination of this Agreement, without further charge or expense to the Town. Consultant shall not provide copies of any such material to any other party without the prior written consent of the Town.

16.0 ENFORCEMENT

- 16.1** In the event that suit is brought upon this Agreement to enforce its terms, the prevailing party shall be entitled to its reasonable attorneys' fees and related court costs.
- 16.2** Colorado law shall apply to the construction and enforcement of this Agreement. The parties agree to the jurisdiction and venue of the courts of Weld County in connection with any dispute arising out of or in any matter connected with this Agreement.

17.0 COMPLIANCE WITH LAWS; WORK BY ILLEGAL ALIENS PROHIBITED

- 17.1** Consultant shall be solely responsible for compliance with all applicable federal, state, and local laws, including the ordinances, resolutions, rules, and regulations of the Town; for payment of all applicable taxes; and obtaining and keeping in force all applicable permits and approvals.
- 17.2** Exhibit B, the "Town of Firestone Public Services Contract Addendum-Prohibition Against Employing Illegal Aliens", is attached hereto and incorporated herein by reference. There is also attached hereto a copy of Consultant's Pre-Contract Certification which Consultant has executed and delivered to the Town prior to Consultant's execution of this Agreement.

18.0 INTEGRATION AND AMENDMENT

This Agreement represents the entire Agreement between the parties and there are no oral or collateral agreements or understandings. This Agreement may be amended only by an instrument in writing signed by the parties.

19.0 NOTICES

All notices required or permitted under this Agreement shall be in writing and shall be given by hand delivery, by United States first class mail, postage prepaid, registered or certified, return receipt requested, by national overnight carrier, or by facsimile transmission, addressed to the party for whom it is intended at the following address:

If to the Town:

Town of Firestone
Attn: Interim Town Manager
151 Grant Ave.
Firestone, Colorado 80520
Telephone: (303) 833-3291
Fax: (303) 833-4863

If to the Consultant:

Arrakeen Resource LTD CO
10428 Christopher Drive
Conifer, CO 80433
Tax ID: 27-3281452

Any such notice or other communication shall be effective when received as indicated on the delivery receipt, if by hand delivery or overnight carrier; on the United States mail return receipt, if by United States mail; or on facsimile transmission receipt. Either party may by similar notice given, change the address to which future notices or other communications shall be sent.

In witness whereof, the parties have executed this Agreement to be effective as of the day and year of signed by the Town.

TOWN OF FIRESTONE,
a Colorado Municipal Corporation

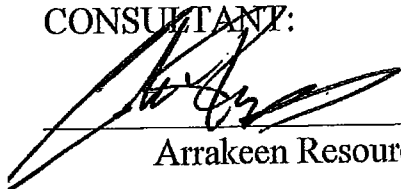
By:

Bobbi Sindelar, Mayor

Attest:

Leah Vanarsdall, Town Clerk

CONSULTANT:


Arrakeen Resource LTD CO

By: Chad E. Taylor

Title: Owner

Exhibit A - Scope of Services

The Scope of work that will be provided under the terms of this contract between Arrakeen Resources LTD CO, will be at a rate not-to-exceed \$20,000 through December 31, 2018. The work provided will be:

- Consult with the Town during negotiation of Kugel surface use agreement
- Review and provide comments for Kugel and Bighorn special use permit applications
- Consult with Town for suitable BMP's (Best Management Practices)
- Consult with the Town regarding general oil & gas matters

Exhibit B

Town of Firestone Public Services Contract Addendum Prohibition Against Employing Illegal Aliens

Prohibition Against Employing Illegal Aliens. Contractor shall not knowingly employ or contract with an illegal alien to perform work under this contract. Contractor shall not enter into a contract with a subcontractor that fails to certify to the Contractor that the subcontractor shall not knowingly employ or contract with an illegal alien to perform work under this contract.

Contractor will participate in either the E-verify program or the Department program, as defined in C.R.S. § 8-17.5-101(3.3) and 8-17.5-101(3.7), respectively, in order to confirm the employment eligibility of all employees who are newly hired for employment to perform work under the public contract for services. Contractor is prohibited from using the E-verify program or the Department program procedures to undertake pre-employment screening of job applicants while this contract is being performed.

If Contractor obtains actual knowledge that a subcontractor performing work under this contract for services knowingly employs or contracts with an illegal alien, Contractor shall:

- a. Notify the subcontractor and the Town within three days that the Contractor has actual knowledge that the subcontractor is employing or contracting with an illegal alien; and
- b. Terminate the subcontract with the subcontractor if within three days of receiving the notice required pursuant to this paragraph the subcontractor does not stop employing or contracting with the illegal alien; except that the Contractor shall not terminate the contract with the subcontractor if during such three days the subcontractor provides information to establish that the subcontractor has not knowingly employed or contracted with an illegal alien.

Contractor shall comply with any reasonable request by the Department of Labor and Employment made in the course of an investigation that the Department is undertaking pursuant to the authority established in C.R.S. § 8-17.5-102(5).

If Contractor violates a provision of this Contract required pursuant to C.R.S. § 8-17.5-102, Town may terminate the contract for breach of contract. If the contract is so terminated, the Contractor shall be liable for actual and consequential damages to the Town.

Pre-Contract Certification in Compliance with C.R.S. Section 8-17.5-102(1)

The undersigned hereby certifies as follows:

That at the time of providing this certification, the undersigned does not knowingly employ or contract with an illegal alien; and that the undersigned will participate in the E-Verify program or the Department program, as defined in C.R.S. § § 8-17.5-101(3.3) and 8-17.5-101(3.7), respectively, in order to confirm the employment eligibility of all employees who are newly hired for employment to perform under the public contract for services.

Proposer:

By: Chad E. Taylor

Title: Owner

Date

AGENDA INFORMATION MEMORANDUM

FIRESTONE TOWN BOARD OF TRUSTEES



AIM#: 8.g.

Discussion/Action

Meeting Date: August 22, 2018

Initiated By: Theo Abkes

Dept: Public Works/ Parks & Rec

AGENDA TITLE

Pavement Condition Survey

SUMMARY

Pavement condition should be done every four to five years. IMS will be in Colo. In late Oct. to early Nov. doing surveys in other municipalities.

HISTORY AND PREVIOUS BOARD ACTION

Firestone town board approved this four years ago.

RECOMMENDATION

Staff recommends approving the contract with IMS in the amount of \$48,623.00

ALTERNATIVES

Wait another year to do the survey

ATTACHMENTS

1. 8g - Firestone CO 2014 Report
2. 8g - Firestone Quote 2018_rev3

FINANCIAL CONSIDERATIONS

By doing this survey Firestone can better determine the condition of the roads & put together a plan for road preservation.

Town of Firestone, CO

Pavement Management Analysis Report

October 2014

Town of Firestone
Attn.: Theo Abkes, Director of Public Works
P.O. Box 100
Firestone, CO 80520



IMS Infrastructure Management Services
1820 West Drake Drive, Suite 108, Tempe, AZ 85283
Phone: (480) 839-4347, Fax: (480) 839-4348
www.ims-rst.com

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APPENDED REPORTS

Following Page 33

Appendix A	Street Inventory and Condition Summary
Appendix B	\$640KRehabilitation Program by Segment

Abbreviation or Acronym	Definition
\$k	Dollars in thousands (\$,000)
\$M	Dollars in millions
%SP	Percent Spreadability - component of deflection analysis
AC	Asphalt Concrete - asphalt streets, flexible pavements, also known as ACP
ACP	Asphalt Concrete Pavement - asphalt streets, flexible pavements, also known as AC
ART	Arterial roadway functional classification
ASTM	American Society of Testing Methods
Avg	Average
BCI	Base Curvature Index - component of deflection analysis
Brk	Break
CAL	Coarse Aggregate Loss
CDV	Corrected Deduct Value - part of the ASTM D6433 PCI calculation
COL	Collector roadway functional classification
Crk	Crack
DefICON	Deflection Condition - structural load analysis based on traffic loading and deflection
DMD	Dynamic Maximum Deflection - temperature corrected deflection
Dvdd Slab	Divided Slab
DynaCON	Dynamic Condition - structural layer analysis
ft or FT	Foot
ft2 or FT2	Square foot
FunCL	Functional Classification
FWD	Falling weight deflectometer
GCI	Gravel Condition Index
GFP	Good - Fair - Poor
GIS	Geographic Information System
GISID	GIS segment identification number
H&V	Horizontal and Vertical
IRI	International Roughness Index
Jt	Joint
L&T	Longitudinal and Transverse
LAD	Load associated distress
LOC	Local roadway functional classification - same as RES
LOG	Lip of Gutter
m	metre or meter
M	Moderate
m2	square metre or square meter
MART	Major arterial roadway functional classification
Max	Maximum
MaxDV	Maximum Deduct Value
MCOL	Major collector roadway functional classification
mi or Mi	Mile
Min	Minimum
MnART	Minor arterial roadway functional classification
MnCOL	Minor collector roadway functional classification
MOD	Moderate
NLAD	Non-load associated distress
OCI	Overall condition index, also known as PCI
Olay	Overlay
PART	Primary arterial roadway functional classification
Pavetype	Pavement Type
PCC	Portland Cement Concrete - concrete streets
PCI	Pavement Condition Index - generic term for OCI
R&R	Remove and replace
RART	Rural arterial roadway functional classification
Recon	Reconstruction
Rehab	Rehabilitation
RES	Local roadway functional classification - same as LOC
RI or RCI	Roughness Index
S	Strong
SART	Secondary arterial roadway functional classification
SCI	Surface Curvature Index - component of deflection analysis
SDI	Surface Distress Index
SI	Structural Index
STA	Station or chainage
Surf Trtmt	Surface Treatment
TDV	Total Deduct Value
W	Weak

1.0 PROJECT DESCRIPTION

1.1 PRINCIPLES OF PAVEMENT MANAGEMENT

Nationwide, billions of dollars have been invested in roadway networks by municipal, state and federal governments. Locally, the Town of Firestone has just over 25 miles of major roadways (arterials and collectors) and over 30 miles of local roadways, encompassing over 11.6 million square feet of asphalt and concrete surfacing. At an average replacement cost for a typical major roadway approaching \$859K per mile – not including the value of the land, the Town has over \$51 million invested in its paved roadway network.

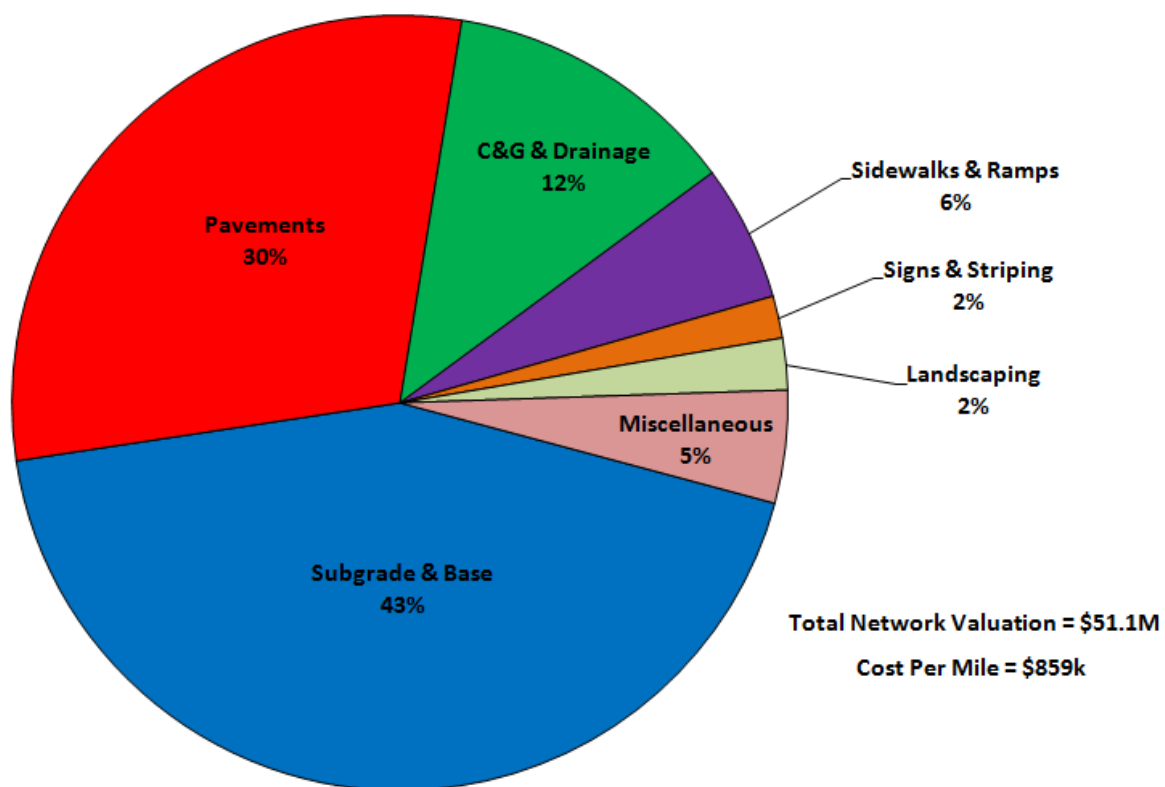


Figure 1 – Replacement Value of the Town of Firestone Paved Roadway Network

Preservation of existing roads and street systems has become a major activity for all levels of government. There is a shortage of funds to maintain street systems at the state and local government levels. Funds that have been designated for pavements must therefore be used as effectively as possible. One proven method to obtain maximum value of available funds is through the use of a pavement management system.

Pavement management is the process of planning, budgeting, funding, designing, constructing, monitoring, evaluating, maintaining, and rehabilitating the pavement network to provide maximum benefits with available funds.

A pavement management system is a set of tools or methods that assist decision makers in finding optimum strategies for providing and maintaining pavements in a serviceable condition over a given time period.

As shown in Figure 2, streets that are repaired when they are in a good condition will cost less over their lifetime than streets that are allowed to deteriorate to a poor condition. Without an adequate routine pavement maintenance program, streets require more frequent reconstruction, thereby costing millions of extra dollars. Over time, pavement quality drops until the pavement condition becomes unacceptable. For each street, the shape of the curve, and hence rate of deterioration, is dependent on many factors – foremost of which are the strength of the roadway structure and traffic loading. The key to a successful pavement management program is to develop a reasonably accurate performance model of the roadway, and then identify the optimal timing and rehabilitation strategy. The resultant benefit of this exercise is realized by the long term cost savings and increase in pavement quality over time. As illustrated in Figure 2, pavements typically deteriorate rapidly once they hit a specific threshold. A \$1 investment after 40% lifespan is much more effective than deferring maintenance until heavier overlays or reconstruction is required just a few years later.

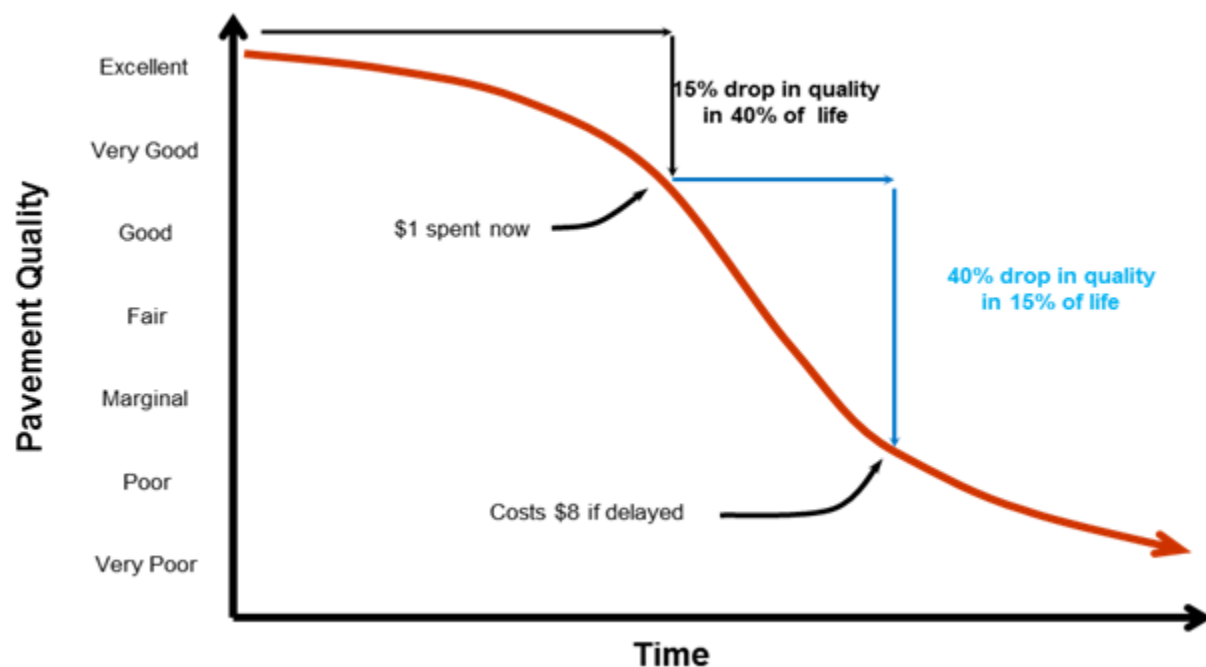


Figure 2 – Pavement Deterioration and Life Cycle Costs

Once implemented, an effective pavement information management system can assist agencies in developing long-term rehabilitation programs and budgets. The key is to develop policies and practices that delay the inevitable total reconstruction for as long as practical yet still remain within the target zone for cost effective rehabilitation. That is, as each roadway approaches the steep part of its deterioration curve, apply a remedy that extends the pavement life, at a minimum cost, thereby avoiding costly heavy overlays and reconstruction.

Thus, the goal of a pavement management system is to identify the optimal level of funding, timing, and renewal strategy that agencies should adopt to keep their roadway network at a satisfactory level of service. Figure 3 illustrates the concept of extending pavement life through the application of timely rehabilitations.

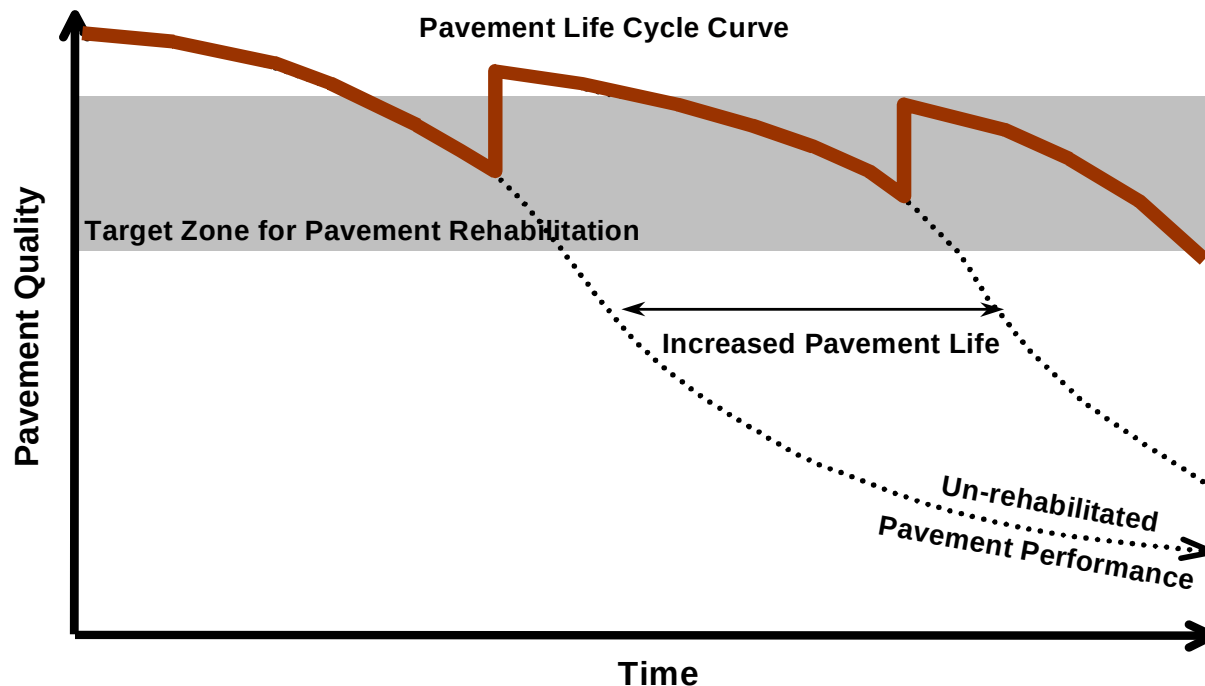


Figure 3 – Pavement Life Cycle Curve

Ideally, the lower limit of the target zone shown in Figure 3 would have a minimum value in the 60 to 70 range – that is to keep as many streets as possible requiring a thin overlay or less. The upper limit would tend to fall close to the higher end of the very good category – that is a pavement condition score approaching 85. Other functions of a pavement management system include assessing the effectiveness of maintenance activities, new technologies, and storing historical data and images.

For Firestone, a prioritization methodology based on pavement condition, pavement materials, condition and strength rating was used to analyze the network condition and develop the proposed 5 year rehabilitation plan.

The analysis methodologies and data collection technologies were based on the latest version of *ASTM D6433 Standard Practice for Roads and Parking Lots Pavement Condition Index Surveys* for assessment of pavement surface condition and the International Roughness Index (IRI) for quantification of pavement roughness on all town streets. Pavement strength was assessed using a Dynaflect device (non-destructive testing). These measurements of pavement quality are combined to form an overall 0 to 100 Pavement Condition Index (PCI), with 100 being the best.

1.2 THE PAVEMENT MANAGEMENT PROCESS

The actual pavement management process involves three unique, but important steps, and is presented graphically in Figure 4. Each activity builds on the previous, until the end result is a prioritized paving and rehabilitation program.

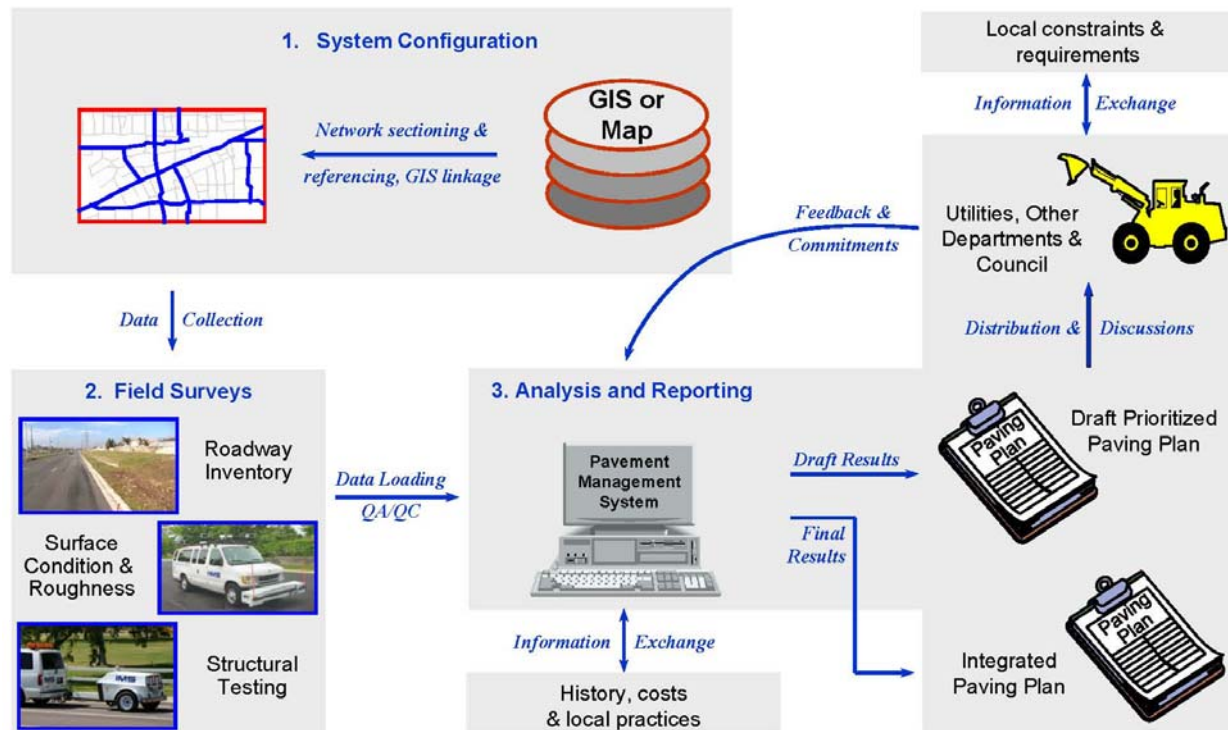


Figure 4 - The Pavement Management Process

Highlights of the pavement management process include:

- 1. System Configuration** – This step involves identifying all roadways in the Town’s network, assigning them a unique identifier, listing their physical characteristics (length, width, etc.) and demographic attributes (pavement type, traffic, functional classification), and linking the network to the Town’s GIS map.
- 2. Field Surveys** – Following a set of pre-defined assessment protocols matching the pavement management software (ASTM D6433), a specialized piece of survey equipment - referred to as a Laser Road Surface Tester (Laser RST, pictured on page 6), is used to collect observations on the condition of the pavement surface, as well as collect digital imagery and spatial coordinate information. The Laser RST surveys each street from end-to-end in a single pass, with arterial and collector roadways completed in two passes. In addition, a Dynaflect device was used to test the structural adequacy of roads.

Key pavement condition data elements collected by the Laser RST include:

- **Roughness Index** – Roughness is measured following the industry standard “International Roughness Index” (IRI). It is an open-ended score that measures the number of bumps

per mile and reports the value as millimeters/meter. The IRI value is converted to a 0 to 100 score and reported as the Roughness Index (RI) as follows:

$RI = (10.5 - 3.25 \times \ln(IRI)) \times 10$, where $\ln(IRI)$ is the natural logarithm of IRI.

In common terms, a newer street would have a Roughness Index above 85, while one due for an overlay would be in the range 40 to 75. Failed streets typically have roughness values below 40.

- Surface Distress Index – The Laser RST collects surface distress observations based on the extent and severity of distresses encountered along the length of the roadway following ASTM D6433 protocols for asphalt and concrete pavements. The surface distress condition (cracking, potholes, raveling and the like) is considered by the traveling public to be the most important aspect in assessing the overall pavement condition.

Presented on a 0 to 100 scale, the Surface Distress Index (SDI) is an aggregation of the observed pavement defects. Within the SDI, not all distresses are weighted equally. Certain load associated distresses (caused by traffic loading), such as rutting or alligator cracking on asphalt streets, or divided slab on concrete streets, have a much higher impact on the surface distress index than non-load associated distresses such as raveling or patching. Even at low extents and moderate severity – less than 10% of the total area - load associated distresses can drop the SDI considerably. ASTM D6433 also has algorithms within it to correct for multiple or overlapping distresses within a segment.

For this project, extent and severity observations were collected, processed and loaded into the pavement management system for the following distresses (listed in order from greatest to lowest impact). Within the software the distresses are presented as a 0 to 10 rating for review and reporting:

Alligator Cracking – is quantified by the severity of the failure and number of square feet. Similar to rutting, alligator cracking, even at low extents can have a large impact on the condition score as this distress represents a failure of the underlying base materials.

Wheel Path Rutting – starting at a minimum depth of ¼ inch, wheel path ruts are quantified by their depth and the number of square feet encountered. Even low densities of rutting can have a large impact on the final condition score.

Longitudinal, Transverse, Block (Map) and Edge Cracks – are quantified by their length and width. Multiple longitudinal cracks that intertwine are the start of alligator cracking.

Patching – Patching is quantified by the extent and quality of patches. When the majority of a roadway surface is covered by a patch – such as a large utility replacement, the rating of the patch is minimized. All potholes are rated as patches.

Distortions – all uneven pavement surfaces such as depressions, bumps, sags, swells, heaves and corrugations are included as distortions and are quantified by the severity and extent of the affected area.

Raveling – raveling is the loss of fine aggregate materials on the pavement surface and is measured by the severity and number of square feet affected.

Bleeding – is the presence of free asphalt on the roadway surface caused by too much asphalt in the pavement or insufficient voids in the matrix. The result is a pavement surface with low skid resistance and is measured by the amount and severity of the area.

Similar distresses were collected for concrete streets including divided slab, corner breaks, joint spalling, faulting, polished aggregate and scaling.

- Structural Index - The entire network of streets was also tested for structural adequacy using a Dynaflect device. The field data is then compared to what loads the road is expected to carry as well as used to develop a layer analysis to evaluate if the base materials and pavement structure are working as a single unit. The final result is a single 0 to 100 index value. Scores above a 75 indicate the pavement is structurally adequate, between a 45 and 75 indicate additional structure is required, while those below a 45 generally require replacement. On streets where no deflection testing was completed, the relationship between the final pavement condition score and amount of load associated distresses is used.

3. **Analysis and Reporting** – following the field surveys, the condition data is assembled to create a single score representing the overall condition of the pavement. The Pavement Condition Index (PCI) is calculated as follows:

$$\text{PCI} = 25\% \text{ Roughness Index} + 50\% \text{ Surface Distress Index} + 25\% \text{ Structural Index}$$

Analysis was completed using Firestone specific rehabilitation strategies, unit rates, priorities and pavement performance curves.



Laser Road Surface Tester (Laser RST)

1.3 UNDERSTANDING THE PAVEMENT CONDITION INDEX SCORE

The following illustration compares Pavement Condition Index (PCI) to commonly used descriptive terms. The divisions between the terms are not fixed, but are meant to reflect common perceptions of condition.

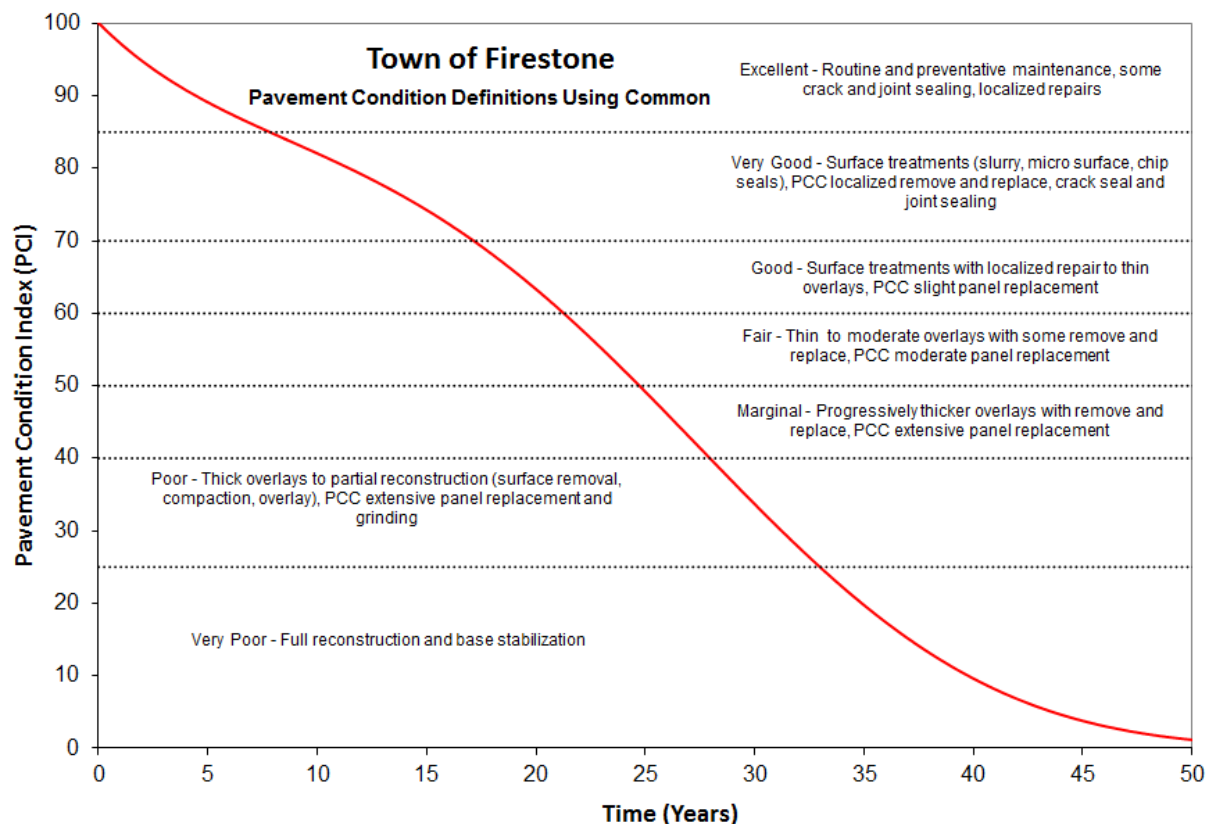


Figure 5 – Understanding the Pavement Condition Index (PCI) Score

The general idea of what these condition levels mean with respect to remaining life and typical rehabilitation actions is included in the following table:

PCI Range	Description	Relative Remaining Life	Definition
85 – 100	Excellent	15 to 25 Years	Like new condition – little to no maintenance required when new, routine maintenance such as crack and joint sealing.
70 – 85	Very Good	12 to 20 Years	Routine maintenance such as patching, crack sealing with surface treatments such as seal coats or slurries.
60 – 70	Good	10 to 15 Years	Heavier surface treatments and thin overlays. Localized panel replacements.
40 – 60	Fair to Marginal	7 to 12 Years	Heavy surface based inlays or overlays with localized repairs. Moderate to extensive panel replacements.
25 – 40	Poor	5 to 10 Years	Sections will require very thick overlays, surface replacement, base reconstruction and possible subgrade stabilization.
0 – 25	Very Poor	0 to 5 Years	High percentage of full reconstruction.

The images presented below provide a sampling of the Firestone streets that fall into the various condition categories with a discussion of potential rehabilitation strategies.

Very Poor (PCI = 0 to 25) – Complete Reconstruction



Ridge Rd. (Littleton, CO, PCI = 21) – As no road segments were determined to be very poor in Firestone, an example of a very poor street in Littleton, CO is shown above. Rated as very poor, this street displays extensive base failure as evidenced by the severe amount of fatigue (alligator) cracking and wheel path rutting. A mill and overlay on this street would not be suitable as the base has failed and would not meet an extended service life of at least 15 years.

Deferral of reconstruction of streets rated as very poor will not cause a substantial decrease in pavement quality as the streets have passed the opportunity for overlay based strategies. Due to the high cost of reconstruction, very poor streets are often deferred until full funding is available in favor of completing more streets that can be rehabilitated at lower costs, resulting in a greater net benefit to the town. This strategy however must be sensitive to citizen complaints forcing the street to be selected earlier. In addition, this type of street can pose a safety hazard for motorists, since severe potholes and distortions may develop. It is important to consistently monitor these streets and check for potholes or other structural deficiencies until the street is rebuilt.

Poor (PCI = 25 to 40) – Last Opportunity for Surface Base Rehabilitation



1st Street Buchanan Ave. to Monmouth Ave. (GISID 5, PCI = 34) – Rated as Poor, this segment still has some remaining life before it becomes a critical reconstruction need. On this street, the base is starting to fail extensively and will continue to spread across the full width of the pavement. Some of the distresses present in this segment include linear & transverse cracking, alligator cracking, and rutting. However, if these areas were dug out and repaired, a mill and overlay would greatly extend the life of this roadway as the curb lines are in good condition and the base in reasonable condition.

On arterial roadways, poor streets require full reconstruction – that is removal of the pavement surface and base down to the subgrade and rebuilding from there. On local roadways, they require removal of the pavement surface through grinding or excavation, base repairs, restoration of the curb line and drainage, and then placement of a new surface.

In general, the service life of poor streets is such that if deferred for too long, it would require a more costly reconstruction. Streets rated as poor are typically selected first for rehabilitation as they provide the greatest cost benefit to the Town – that is the greatest increase in life per rehabilitation dollar spent.

Marginal (PCI = 40 to 50) – Progressively Thicker Overlays, Often with Extensive Patching



1st Street from Jackson Dr. to Wooster Ave. (GISID 9 , PCI = 43) – Marginal streets have distresses that tend to be localized and moderate in nature – that is they do not extend the full length of the segment and can be readily dug out and repaired. This street segment highlights this characteristic as the failed area does not quite extend the full length or width of the roadway and is still serviceable. However, it also highlights the relationship between base and pavement quality. Placing an overlay on this street without repairing the base would not achieve a full 15 year life as the failure would continue to occur over time.

Similar to streets rated as poor, marginal streets that display high amounts of load associated distresses are selected as a priority for rehabilitation as they provide the greatest cost benefit to the Town – that is the greatest increase in life per rehabilitation dollar spent. If left untreated, marginal streets, with high amounts of load associated distresses would deteriorate to become partial reconstruction candidates. Marginal streets that are failing due to materials issues or non-load associated failures may become suitable candidates for thick overlays if deferred without a significant cost increase.

Fair (PCI = 50 to 60) – Thin to Moderate Overlays



Wooster Ave. from 1st Street to 2nd Street (GISID 567, PCI = 57) – rated in the Fair category, requiring thin to moderate overlays for asphalt and slab replacements for concrete when they enter their need year (generally within 2-3 points of the lower PCI in the defined range). Several distresses are present, but tend to be more localized and moderate in severity, and non-load related (primarily transverse shrinkage cracks). Asphalt streets rated as fair tend to receive a lower priority when developing a rehabilitation program. The reason for this is the cost to complete an overlay now would be on the order of \$11 to \$19/yd² depending on the functional classification. If deferred, the rehabilitation cost would only increase by about \$3 to \$6/yd² in about 5 to 10 years. Thus, the cost of deferral is low when compared to deferring a thick overlay to a reconstruction with a two to threefold increase in cost. Rehabilitation of concrete roads has limited options as it is difficult to complete surface based overlays. Rehabilitation strategies tend to focus on removal and replacement of whole or partial slabs and surface grinding to restore the longitudinal profile of the roadway.

Good (PCI = 60 to 70) – Surface Treatments to Thin Overlays



Ruby Ave. from Cascade St. to Bluegrass St. (GISID 430, PCI = 68) – rated as Good, it displays small amounts of distresses that can easily be removed, replaced, and covered to restore the visual appearance of the roadway.

Streets rated as good are ideal candidates for thinner surface based rehabilitations and local repairs. Depending on the amount of localized failures, a thin edge mill and overlay, or possibly a surface treatment, would be a suitable rehabilitation strategy for streets rated as good. Streets that fall in the high 60 – low 70 PCI range provide the greatest opportunity for extending pavement life at the lowest possible cost, thus applying the principals of the perpetual life cycle approach to pavement maintenance.

Additional cost benefits of early intervention include:

- *Less use of non-renewable resources through thinner rehabilitation strategies.*
- *Less build-up of crown for the first and possibly second rehabilitation cycle.*
- *Less intrusive rehabilitation and easier to maintain access during construction.*
- *Easier to maintain existing drainage patterns*

Very Good (PCI = 70 to 85) – Surface Treatments and Routine Maintenance



McClure Ave. from Farmdale St. to Forest St. (GISID 387, PCI =79) – rated as Very Good, displaying minor amounts of cracking that are localized and in good condition (this is about the worst part of the street). The ride is smooth, the surface is non-weathered, and the base is still strong.

Streets rated as very good generally need lightweight surface based treatments such as surface seals, slurries, chip seals or micro surfacing. Routine maintenance such as crack sealing and localized repairs often precede surface treatments. The concept is to keep the cracks as waterproof as possible through crack sealing and the application of a surface treatment. By keeping water out of the base layers, the pavement life is extended without the need for thicker rehabilitations such as overlays or reconstruction. Surface treatments also tend to increase surface friction and visual appearance of the pavement surface but do not add structure or increase smoothness. Surface treatments may include:

- Double or single application of slurry seals (slurries are a sand and asphalt cement mix).
- Micro surfacing – asphalt cement and up to 3/8 sand aggregate.
- Chip seals and Cape seals (Chip seal followed by a slurry)

Excellent (PCI = 85 to 100)



Sage Ave. from Devonshire St. to Dogwood St. (GISID 334, PCI = 87) - rated as *Excellent*, displaying little to no surface distresses. The ride is smooth and the surface is non-weathered and the base is still strong. In a couple of years, this street segment would be an ideal candidate for routine maintenance activities such as crack sealing.

2.0 ROADWAY NETWORK CONDITION AND FINDINGS

2.1 ROADWAY NETWORK SIZE

The paved roadway network consists of three functional classes, covering approximately 60 miles of pavement. The average pavement condition index (PCI) of the roadway network (asphalt and concrete) is 71. The network has two pavement types: asphalt and concrete, with asphalt being predominant. The following table and figure summarize the functional class splits within the system.

	Pavetype	Network	ART	COL	LOC
Segment (Block) Count	All Streets	608	120	109	379
	Asphalt	600	113	109	378
	Concrete	8	7	0	1
Length (mi)	All Streets	59.6	18.6	7.7	33.3
	Asphalt	58.8	17.9	7.7	33.2
	Concrete	0.7	0.7	0.0	0.1
Area (Ft2)	All Streets	11,589,892	3,908,898	1,497,220	6,183,774
	Asphalt	11,348,535	3,681,028	1,497,220	6,170,287
	Concrete	241,357	227,871	0	13,487

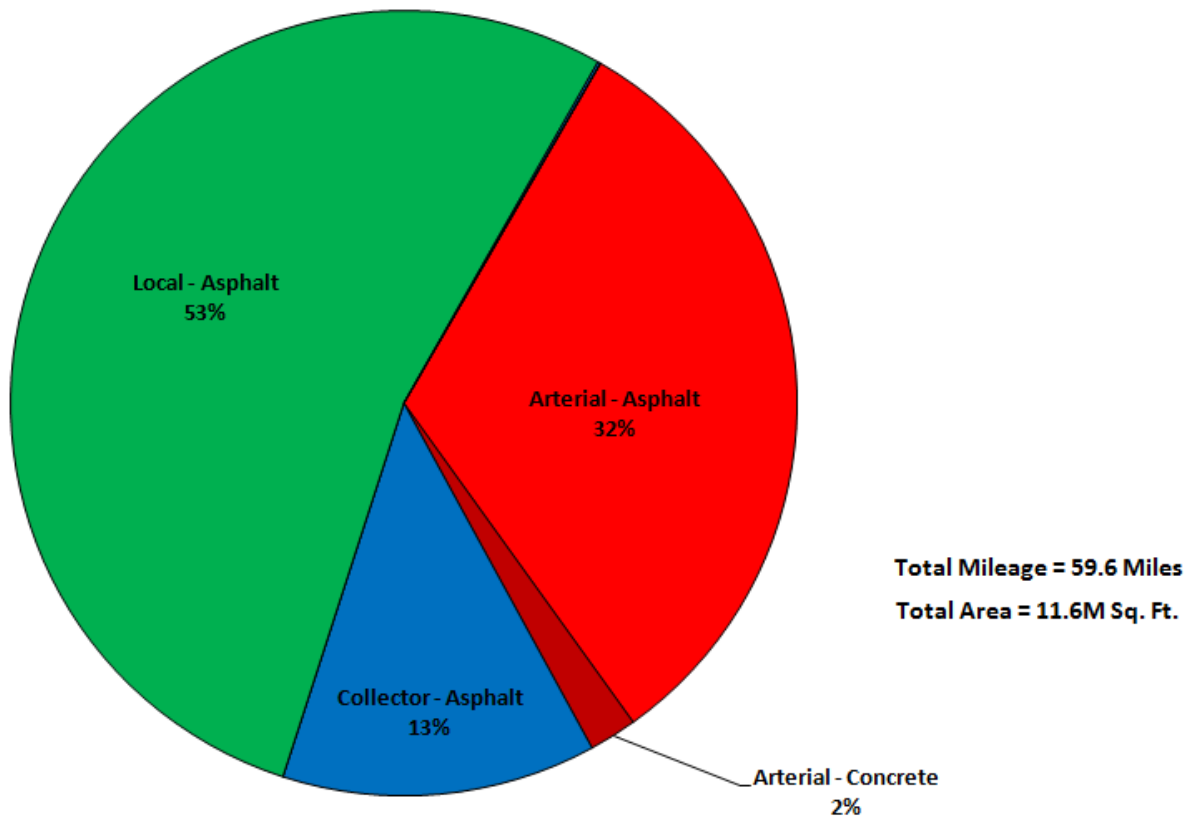


Figure 6 – Network Split by Functional Classification and Pavement Type

2.2 NETWORK PRESENT CONDITION

Figure 7 presented below shows distribution of pavement condition for the roadway network in the Town of Firestone on a 0 to 100 scale, 0 being worst and 100 being best condition. The average PCI for the network at the time of survey was 71, and is currently 70. While direct comparisons to other agencies is difficult due to variances in ratings systems, overall, Firestone is slightly above the average of agencies recently surveyed by IMS which typically fall in the 60 to 65 range.

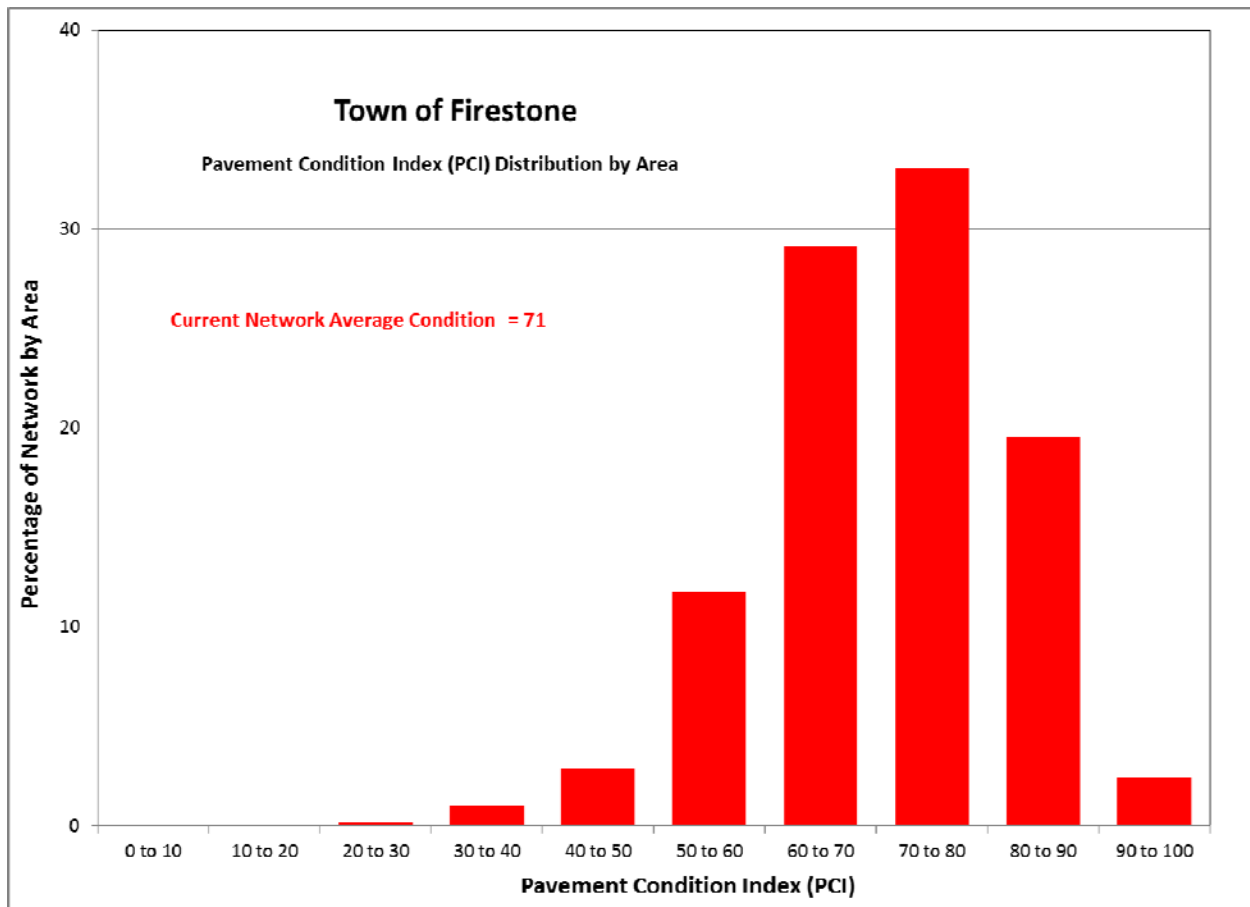


Figure 7 –Roadway Network Present Status

The current PCI distribution exhibits a moderately aged network that has been subject to a relatively effective crack sealing and patching program. However, many streets are approaching the end of their effective service life. Thus, while the network average PCI falls slightly above the typical range of similar cities, the amount of streets ready to fall into the reconstruct category over the next several years is a concern. However, it is good to note that there is a healthy amount of street with condition rating above 80, and the shape of the PCI distribution displays characteristics of a standard bell curve, so it gives the network a relatively good balance. Normal distributions generally reach their peak in the range of 60 to 70, and tend to taper off to the left.

The following graph (Figure 8) plots the same pavement condition information, but instead of using the actual Pavement Condition Index (PCI) value, descriptive terms are used to classify the roadways. From the chart, 12% of the network can be considered in excellent condition with a PCI score greater than 85.

These streets are in like new condition and require only routine maintenance. Nationwide, the amount of roadways falling into the excellent category is about 15%, so this value is slightly below the average.

Thirty-three percent (43%) of the network falls into the very good classification. These are roads that benefit most from preventative maintenance techniques such as microsurfacing, slurry seals and localized repairs. If left untreated, these roadways will drop in quality to become heavy surface treatment or overlay candidates.

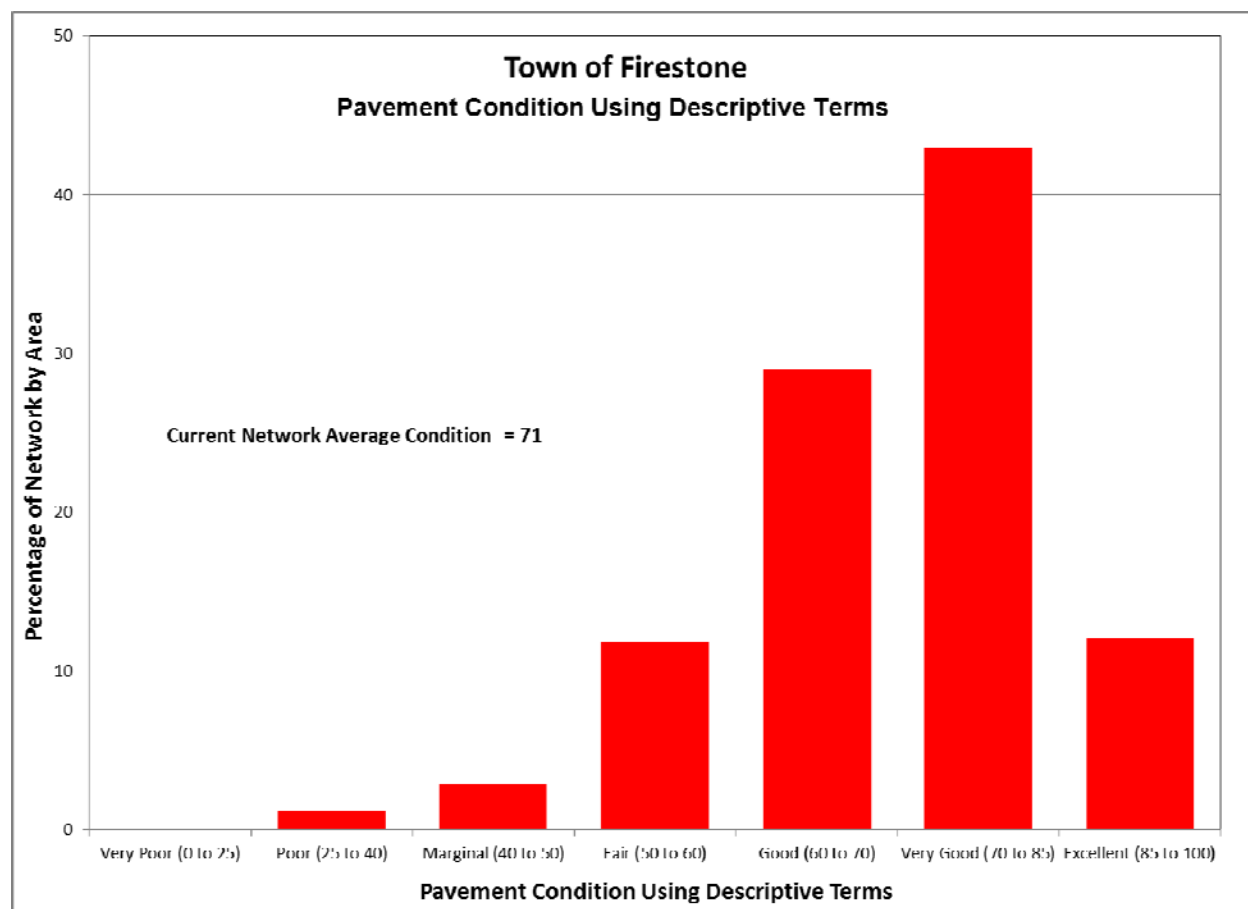


Figure 8 – Roadway Network Present Status Using Descriptive Terms

Thirty percent (29%) of the streets are rated as good – and are candidates for lighter surface based rehabilitations such as heavy microsurfacing or thin overlays. Sixteen percent (15%) of the network can be considered in fair to marginal condition, representing candidates for progressively thicker overlay based rehabilitation or panel replacements. If left untreated, they will decline rapidly into reconstruction candidates. The remaining 1% percent of the network (backlog) is rated as “poor” or “very poor”, meaning these roadways have failed or are past their optimal due point for overlay or surface based rehabilitation and may require progressively heavier or thicker forms of rehabilitation (such as surface reconstruction or deep patch and paving) or total reconstruction.

Overall, the Town of Firestone has a solid network foundation. The majority of the network falls under the Very Good category, while the amount of Poor and Very Poor streets are minimal. Both of these performance measurements indicate a healthy pavement network.

2.3 STRUCTURAL AND LOAD ASSOCIATED DISTRESS ANALYSIS (ASPHALT ONLY)

Structural testing and analysis was completed on the roadway network using a Dynaflect device.

Dynaflects apply a known load to the pavement and measures the pavement response to the load through a series of geophones. From these results, the structural integrity of the roadway segment may be assessed. The purpose of the structural analysis is threefold, namely:

1. The results are used to identify and report sections with inadequate structural capacity by completing a layer analysis of the subgrade, base and pavement layers.
2. The structural index provides input into which performance curve each segment is to use - performance curves are used to predict pavement deterioration over time.
3. Assists in rehabilitation selection by constraining inadequate pavement sections from receiving too light of a rehab.

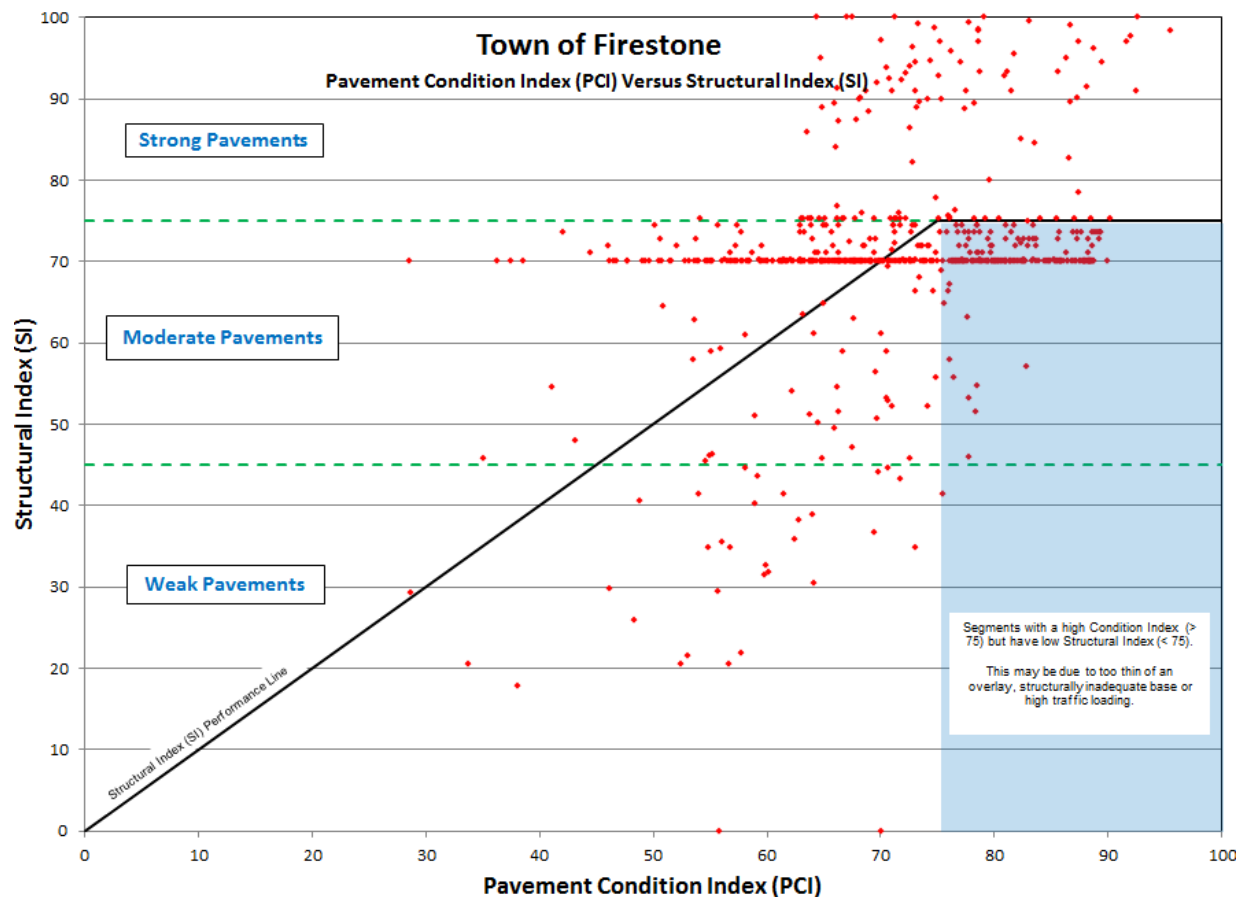


Figure 9 – Structural Adequacy of the Arterial and Collector Roadway Network

Figure 9 presents the structural adequacy of the arterial and collector roadway network against its average pavement condition, with each marker representing one segment of roadway. The diagonal black line in the plot provides an indication of roadway segments that are performing above structural expectations and those that do not provide full structural benefits over the life of the pavement.

Areas of concern are the street segments falling within the shaded blue box. These represent street segments that have a high pavement condition score (greater than 75), yet exhibit low structural characteristics (weak to moderate pavement strengths). When an overlay is to be applied, project level testing and design should be completed to ensure their structural integrity is restored.

The horizontal green dashed lines highlight the Structural Index ranges used as selection criteria during the budget analysis. The structural adequacy of a road is expressed as a 0 to 100 score with several key ranges: roadways with a Structural Index greater than 75 are deemed to be structurally adequate for the loading and may be treated with lightweight surface treatments or thin overlays; those between 45 and 75 typically reflect roads that require additional pavement thickness; and scores below 45 typically require reconstruction and/or increased base and pavement thickness. It should be noted that two segments can have similar PCI values yet have differing subgrade ratings based on their testing results. Once they enter the rehabilitation planning, the Structural Index value would also ensure a thicker overlay or additional localized repairs are applied to the street segment with the lower SI score.

2.4 NETWORK SUMMARY BY FUNCTIONAL CLASSIFICATION

The following table presents the condition scores by pavement type and functional class at the time of the survey. Also included are the surface distress and roughness indices.

Network Summary by Functional Class

	Pavetype	Network	ART	COL	LOC
Segment (Block) Count	All Streets	608	120	109	379
	Asphalt	600	113	109	378
	Concrete	8	7	0	1
Length (mi)	All Streets	59.6	18.6	7.7	33.3
	Asphalt	58.8	17.9	7.7	33.2
	Concrete	0.7	0.7	0.0	0.1
Pavement Condition Index (PCI)	All Streets	71	71	70	71
	Asphalt	71	69	70	71
	Concrete	91	92	0	76
Surface Distress Index (SDI)	All Streets	70	62	73	74
Roughness Index (RI)	All Streets	72	81	68	67
Structural Index (SI)	All Streets	72	78	65	70

2.5 RECONSTRUCTION BACKLOG

Backlog roadways are those that have dropped sufficiently in quality to the point where surface based rehabilitation efforts would no longer prove to be cost efficient. These roadways are rated poor or very poor and will require either partial or total reconstruction. Backlog is expressed as the percentage of roads requiring reconstruction as compared to the network totals.

The concept of Pavement Condition Index (PCI) score and backlog must be fully understood in order to develop an effective pavement management program. The PCI score indicates the overall pavement condition and represents the amount of equity in the system; it is the value most commonly considered

when gauging the overall quality of a roadway network. It may also be used to define a desired level of service - that is, an agency may wish to develop a pavement management program such that in five years the overall network score meets a set minimum value. It is the backlog, however, that defines the amount of work an agency is facing and is willing to accept in the future. Furthermore, it is the combination of the two that presents the true picture of the condition of a roadway network, and conversely defines improvement goals.

With the Town of Firestone's average PCI at 71 (now 70) and the reconstruction backlog as low as 1%, the Town's short-term objectives need to focus on not letting this backlog percentage increase. The current rehabilitation program should focus on the pavement network to arrest any potential PCI slide, followed by an aggressive preventative maintenance program focused on lighter weight rehabilitations.

Generally, a backlog of 10% to 15% of the overall network is considered manageable from a funding point of view. Backlogs approaching 20% and above tend to become unmanageable unless aggressively checked through larger rehabilitation programs. For cities such as Firestone with an impressive backlog, it is important that this value be adequately maintained. It is far more costly to let the backlog amount increase further and then attempt to reduce it later than to maintain its current state.

3.0 REHABILITATION PLAN AND BUDGET DEVELOPMENT

3.1 KEY ANALYSIS SET POINTS

Pavement management systems (PMS) require user inputs in order to complete its condition forecasting and prioritization. The existing PMS operating parameters were reviewed in order to develop an efficient program that is tailored to the Town's needs. Some of the highlights include:

- The pavement performance curves that are used to predict future pavement condition reflect the recent work done on the system through the introduction of strength rating – as streets are upgraded, the ratio of pavement condition to load associated distresses improves and the street performs better for longer periods of time. Asphalt streets are classified as weak, moderate or strong, and then assigned the appropriate pavement performance curve to use in the analysis. The concept of load associated distresses does not apply to concrete streets.
- The shape of performance curves reflect the concept of deferred maintenance and salvage life. Instead of dropping to an absolute PCI value of 0 after 40 years of service, the curves are designed to become asymptotic to the age axis and have a whole life of approximately 50 to 75 years depending on pavement type. This indicates the concept that once a street deteriorates past a specific threshold – about a PCI of 20, age becomes less important in rehab selection.
- Priority ranking – the Lucity application utilizes the concept of Priority Weighting Factor (PWF) for rehab candidate selection. It is designed to capture as many segments in the need year based on the incremental cost of deferral.

Pavement Performance Curves

The basic shape of the asphalt performance curves follows traditional sigmoidal deterioration models such as those contained in MicroPAVER and other commonly used pavement management applications. The curves are constructed such that a typical overlay following new pavement construction does not occur until 20 to 30 years have passed, and full reconstruction does not occur until 40 to 60 years have passed or the street has a PCI below 10. Each street is assigned a curve based on its pavement type, functional classification, and pavement strength as determined in Section 2. The curves assume an ultimate life between 75 and 100 years and are designed to be asymptotic to the X-axis (Time) to reflect the salvage value of the pavement once it has reached the end of its service life with a PCI less than 10.

It is important to recognize that even though all streets fall into specific rating categories (as highlighted by the horizontal black dotted lines in Figure 11) and their respective rehabilitation strategies, it is not until a street falls to within a few points of the lower end of the range that it will become a critical need selected for rehabilitation.

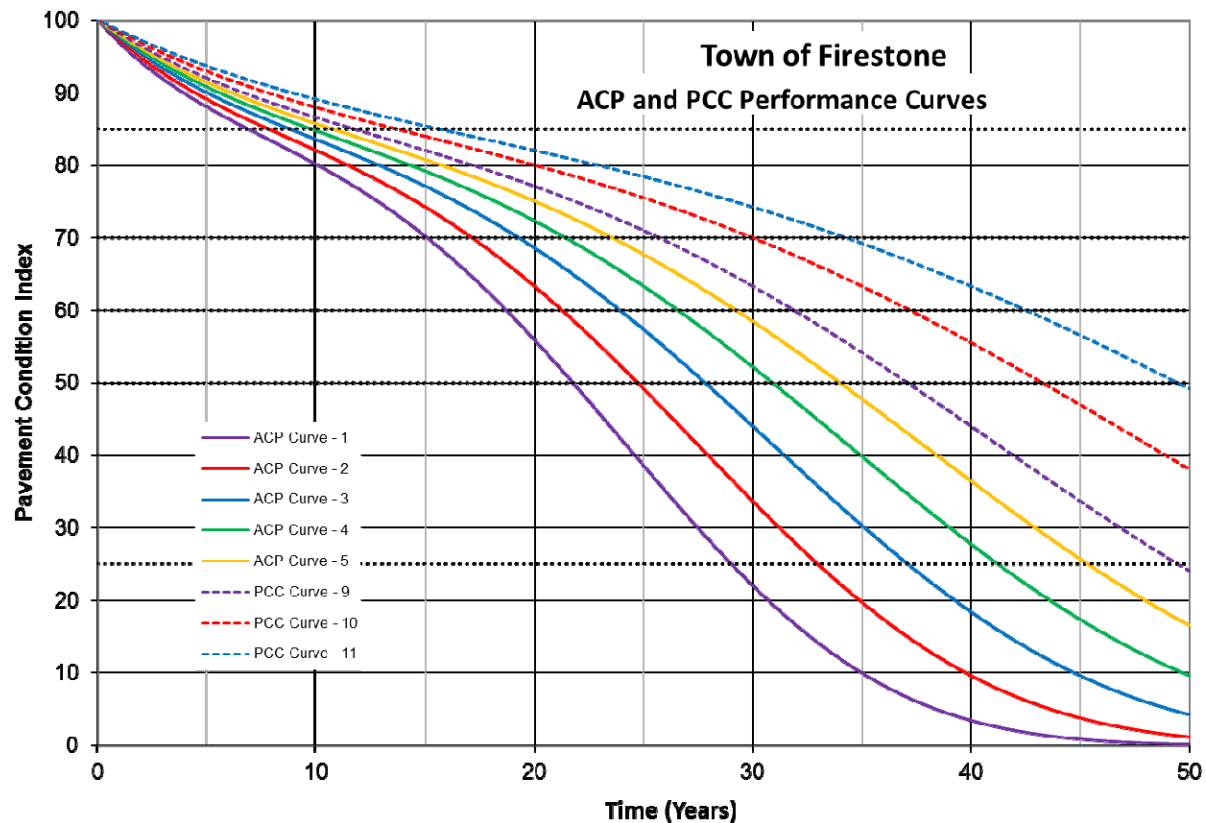


Figure 11 – Asphalt (ACP) and Concrete (PCC) Performance Curves

Rehabilitation Strategies and Unit Rates

The rehab strategies and unit rates used in the pavement analysis can be found in the table below. Some important parameters include:

- **Rehab Activity** – the assigned name to each rehabilitation strategy. The term “RR” refers to remove and replace – that is, structural patching. When this term is present, additional funds have been assigned to the strategy to allow for an increased amount of preparation work and patching. The relative terms of thin, moderate and thick are used to describe the overlay thickness. This is to facilitate consistency in the naming convention, but does not imply the same material thickness has to be used for each functional classification.
- **Unit Rates** – the rehab costs are presented on a per square yard basis for each pavement type, functional class, and rehab activity combination. The rates were developed using typical national averages for similar activities and adjusted for Firestone’s location and unique conditions. Rates include a 20% burden for miscellaneous activities (such as striping removal or loop detector replacement), traffic control and engineering inspection. No money has been set aside for contingency, ADA compliance or Town overheads.
- **Min PCI, Critical PCI, Max PCI, Min & Max Structural, PCI Reset** - defines the Pavement Condition Index (PCI) range applicable to the rehab selection, as well as the Structural Index range.

The Critical PCI defines when a segment is in its need year and is deemed to be critical, otherwise if deferred, the street declines in PCI past the point which the rehabilitation is no longer appropriate. PCI Reset is the applied Post-Rehab PCI.

Pavetype	Rehab Code	Rehab Activity	Min PCI	B/P PCI	Max PCI	ART Unit Rate (\$/yd2)	COL Unit Rate (\$/yd2)	LOC Unit Rate (\$/yd2)	Contingency (%)	Traffic Control (%)	Administration (%)	Eng & Inspctn (%)	Reset PCI
	0	Do Nothing				0.00	0.00	0.00	0.0	0.0	0.0	0.0	100
Asphalt	10	Slurry Seal	80	82	85	2.51	2.09	1.90	5.0	5.0	0.0	10.0	88
Asphalt	20	Surface Treatment	70	72	80	3.70	3.09	2.80	5.0	5.0	0.0	10.0	90
Asphalt	23	Surface Treatment + RR	70	72	80	3.95	3.34	3.05	5.0	5.0	0.0	10.0	90
Asphalt	26	Surface Treatment + RR	60	62	70	3.95	3.34	3.05	5.0	5.0	0.0	10.0	90
Asphalt	30	Thin Overlay (1.5 - 2.0)	60	62	70	18.52	15.44	14.00	5.0	5.0	0.0	10.0	92
Asphalt	33	Thin Overlay + RR	60	62	70	19.27	16.19	14.75	5.0	5.0	0.0	10.0	92
Asphalt	36	Thin Overlay + RR	50	53	60	19.27	16.19	14.75	5.0	5.0	0.0	10.0	92
Asphalt	40	Moderate Overlay (1.5 - 3.0)	50	53	60	22.15	18.47	16.75	5.0	5.0	0.0	10.0	94
Asphalt	43	Moderate Overlay + RR	50	53	60	23.15	19.47	17.75	5.0	5.0	0.0	10.0	94
Asphalt	46	Moderate Overlay + RR	40	43	50	23.15	19.47	17.75	5.0	5.0	0.0	10.0	94
Asphalt	50	Thick Overlay (> 2.0 - 3.0)	40	43	50	27.77	23.15	21.00	5.0	5.0	0.0	10.0	96
Asphalt	53	Thick Overlay + RR	40	43	50	29.02	24.40	22.25	5.0	5.0	0.0	10.0	96
Asphalt	56	Thick Overlay + RR	25	30	40	29.02	24.40	22.25	5.0	5.0	0.0	10.0	96
Asphalt	60	Surface Reconstruction	25	30	40	56.27	42.83	37.00	5.0	5.0	0.0	10.0	98
Asphalt	70	Full Recon / Surface Recon	0	15	25	68.44	52.09	45.00	5.0	5.0	0.0	10.0	100
Concrete	510	PCC Joint & Crack Sealing	80	82	85	1.00	1.00	0.90	5.0	5.0	0.0	10.0	88
Concrete	520	PCC Localized Rehab	70	72	80	2.40	2.20	2.00	5.0	5.0	0.0	10.0	90
Concrete	530	PCC Slight Pnl Rplcmnt	60	62	70	11.50	10.50	9.50	5.0	5.0	0.0	10.0	92
Concrete	540	PCC Moderate Pnl Rplcmnt	50	53	60	14.75	13.50	12.25	5.0	5.0	0.0	10.0	94
Concrete	550	PCC Extensive Pnl Rplcmnt	40	43	50	28.00	25.50	23.00	5.0	5.0	0.0	10.0	96
Concrete	560	Partial PCC Recon	25	28	40	98.50	100.50	91.50	5.0	5.0	0.0	10.0	98
Concrete	570	Full PCC Reconstruction	0	15	25	147.00	134.00	122.00	5.0	5.0	0.0	10.0	100

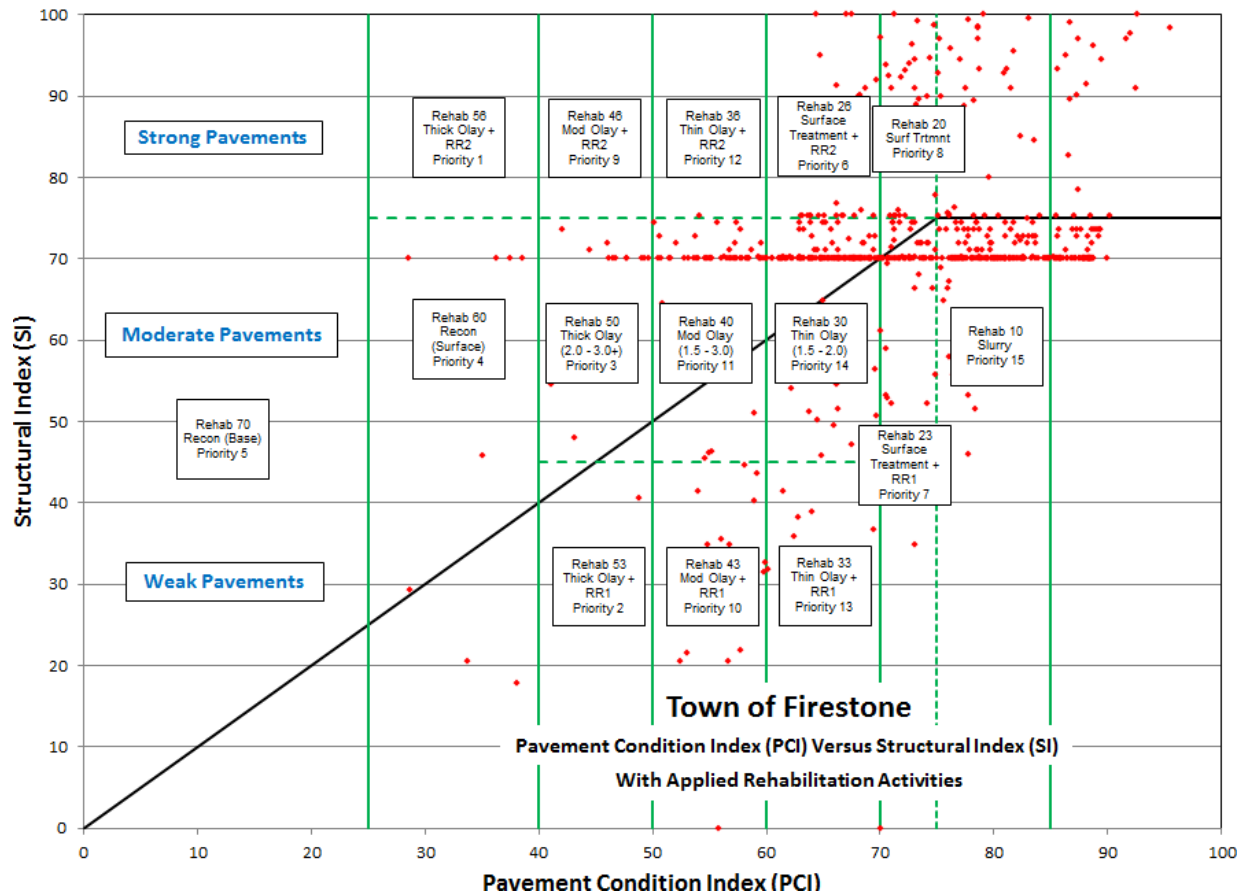


Figure 12 – Asphalt (ACP) Rehabilitation Strategies

Figure 12 graphically presents the application of pavement rehabilitations for asphalt streets by PCI and Structural Index of the roadway network. The Rehab number are simply a placeholder to separate one rehabilitation from another (for example Rehab 43 is a Moderate Overlay with RR).

Priority Weighting Factor (PWF)

The town's pavement management program incorporates a user defined value, referred to as the Priority Weighting Factor (PWF), to prioritize the street segments for rehabilitation selection. The rehab selection order is not worst first, but rather designed to capture as many segments in the need year based on the incremental cost of deferral. Coupled with the rehabilitation sequence, the priority weighting factor defines the order in which streets are selected for rehabilitation. The streets are lined up in order of priority then the software applies the various rehabilitation strategies in order of sequence starting with the critical roadways, followed by none-critical roadways pending available funding. The effect of these two settings is to develop the most cost effective rehabilitation plan that maximizes pavement life before applying rehabilitation. Applied at the project or supersegment level, $\text{Priority} = (100 - \text{PCI}) \times \text{PWF}$ and has a scale ranging from 0 to 10, and is initially calculated for all projects.

The priority weighting factor for Firestone is threefold in nature. The assigned PWF follows functional classification (the more important the street, the higher PWF), followed by strength. Weak streets are assigned a slightly higher PWF over moderate and strong as they deteriorate at a higher rate. The following table illustrates the PWF values assigned to each segment based on functional class and pavement type:

FunCL	Asphalt Weak	Asphalt Moderate	Asphalt Strong	Concrete Weak	Concrete Moderate	Concrete Strong
Arterial	100	95	90	90	85	80
Collector	90	85	80	80	75	70
Local	75	70	65	65	60	55

3.2 FIX ALL AND ANNUAL ESTIMATES

Three different approaches may be taken to identify and confirm the amount of funds the Town needs to set aside each year to maintain the roadway network at its current condition. All three are completed externally to the pavement management system and are simply used to validate the final results.

Option 1 – Estimated Life Cycle Cost Based on Network Value

A ballpark value for the annual street maintenance budget may be quickly determined by taking the total value of Firestone's roadway network, estimated at \$51M, and dividing that by the ultimate life of a roadway – assumed to be 75 to 100 years for asphalt and concrete respectively (please note, the 75 to 100 year lifespan of the roadway is the theoretical life of the road from construction, until the point at which there is nothing left but the right of way, it is not simply the lifespan of the pavement surface). By this method, the annual budget is estimated at \$680K.

Pavement Type	Pavement Value (\$)	Ultimate Life Span (yrs)	Life Cycle Annual Cost (\$/yr)
Asphalt Network	48,399,000	75	650,000
Concrete Network	2,796,000	100	30,000
All Streets	51,195,000		680,000

Option 2 – Estimated Life Cycle Cost Based on Current Condition

A second method to validate the annual budget is to identify the average network PCI and associated rehabilitation requirements, and then estimate the number of miles required to be rehabilitated each year based on a typical life cycle for that rehabilitation activity. For Firestone, the average PCI for asphalt roads is 71 and 91 for concrete roads, placing Firestone in the surface treatment and routine maintenance range. At an average cost of \$2.40/yd² for surface treatment, and \$0.30/yd² for localized

rehab on concrete streets, the Town needs to spend approximately \$290K/year to maintain the current condition average.

Pavement Type	Pavement Condition Index (PCI)	Typical Rehab Based on Condition	Blended Rehab Unit Rate (\$/yd2)	Average Rehab Life Cycle (yrs)	Miles To Do Each Year (mi)	Cost Per Mile (\$/mi)	Life Cycle Annual Cost (\$/yr)
Asphalt Network	71	Surface Treatment	2.4	10	5.9	50,000	290,000
Concrete Network	91	Routine Maintenance	0.30	2	0.4	10,000	0
All Streets							290,000

Option 3 - Estimated Life Cycle Cost Based on Network Deficiency

The third methodology to confirm the required amount of annual funding is to identify the current network deficiency, that is the amount required to rehabilitate all streets in the network assuming unlimited funding, and then divide by the typical life cycle of each rehabilitation activity. This is referred to as the Fix All Estimate and Life Cycle Cost. The rehab strategies listed in the table are generic in nature and not necessarily the final set that was applied to Firestone. For Firestone, the Fix All Estimate for the network deficiency is approximately \$9 million and the Life Cycle Cost is \$571K/year, broken down as follows:

Asphalt Deficiency	Total Cost (\$)	% of Total	ART	COL	LOC	Life Cycle (years)	Life Cycle Cost (\$)
Reconstruction (Base)	0	0.0	0	0	0	50	0
Reconstruction (Surface)	665,300	7.5	0	256,000	409,300	35	19,000
Thick Overlay	674,500	7.6	379,700	24,300	270,500	25	27,000
Moderate Overlay	2,204,700	24.8	979,500	324,500	900,700	20	110,000
Thin Overlay	4,144,900	46.6	1,444,900	601,500	2,098,500	20	207,000
Surface Treatment	486,400	5.5	263,500	56,000	166,900	10	49,000
Slurry Seal	692,200	7.8	203,900	85,200	403,100	5	138,000
Routine Maintenance	33,400	0.4	7,100	3,800	22,500	2	17,000
Total Asphalt Network:	8,901,400	100	3,278,600	1,351,300	4,271,500		567,000
Concrete Deficiency	Total Cost (\$)	% of Total	ART	COL	LOC	Life Cycle (years)	Life Cycle Cost (\$)
PCC Reconstruction	0	0.0	0	0	0	75	0
PCC Partial Recon	0	0.0	0	0	0	50	0
Extensive Pnl Rplcmnt	0	0.0	0	0	0	25	0
Moderate Pnl Rplcmnt	0	0.0	0	0	0	20	0
Slight Pnl Rplcmnt	0	0.0	0	0	0	20	0
Localized Rehab	0	0.0	0	0	0	10	0
Crack Sealing	3,700	38.1	3,000	0	700	5	1,000
Routine Maintenance	6,000	61.9	6,000	0	0	2	3,000
Total Concrete Network:	9,700	100	9,000	0	700		4,000
Total Network :	8,911,100		3,287,600	1,351,300	4,272,200		571,000

3.3 NETWORK BUDGET ANALYSIS MODELS

An analysis containing a total of 3 budget runs (\$200K, \$640K, and \$1M per year) plus Unlimited and Do Nothing options was prepared for the Town of Firestone. The analysis results are summarized below:

- **Unlimited** - The Unlimited (or Fix All) budget assumes each street is rehabilitated with unlimited funds available. The idea is to identify the upper limit of spending the Town would require without any constraints on budgets. For Firestone, the unlimited budget is approximately \$9 million over 5 years and increases the network PCI to a maximum of 91 tapering off to an 88 within 5 years.
- **Do Nothing** - This option identifies the effect of spending no capital for 5 years. After 5 years, the Do Nothing option results in a PCI drop from a 71 to a 61.
- **\$200K through \$1M** - Identifies the resultant network PCI at various funding levels. The \$640K analysis represents the steady state budget.

The results of the analysis are summarized in Figure 13 below. The X axis highlights the annual budget, while the Y axis plots the 5 Year Post Rehab PCI value. The diagonal blue line is the analysis results. As can be seen from the plot, a budget of \$640K per year would maintain the network at its current PCI of 70.

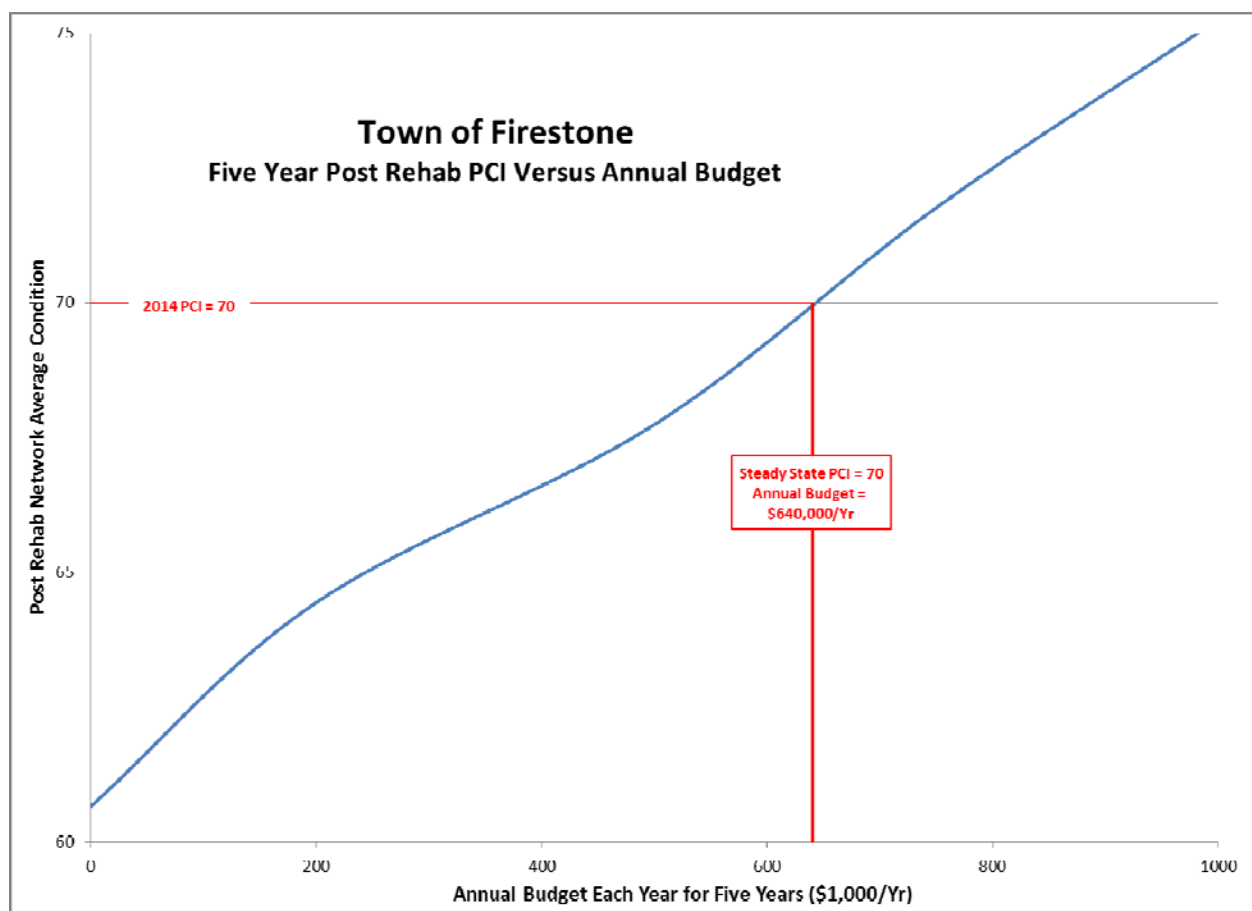


Figure 13 – 5 Year Network PCI Analysis Results

Figure 14 below presents the same analysis results on an annual basis. This shows that if the budget falls below \$640K per year, over time, the overall condition of the roads will deteriorate as the backlog increases.

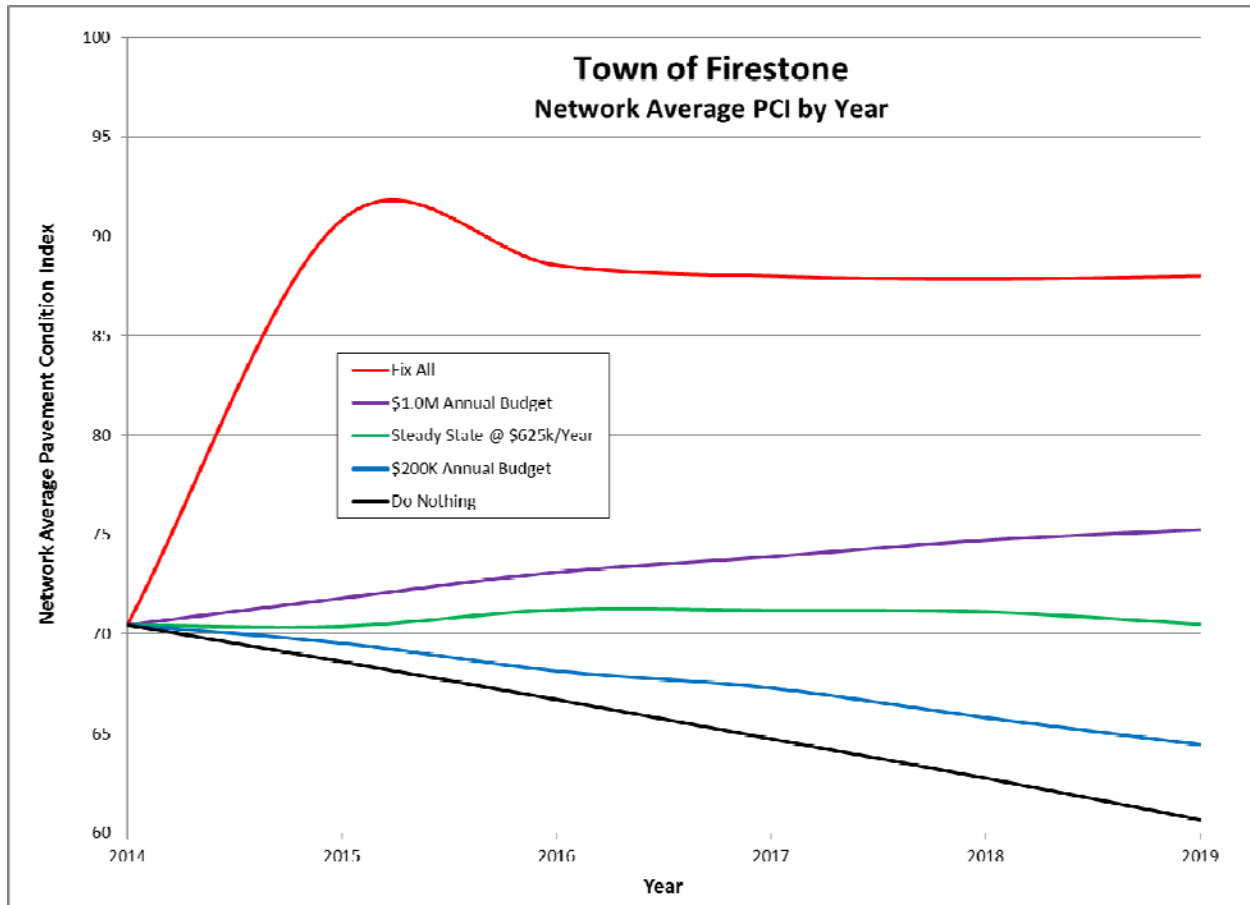


Figure 14 – 5 Year Annual PCI

3.4 FIRESTONE COMPARISON TO OTHER AGENCIES

The following table presents the steady state versus actual funding levels of various agencies that use similar reporting and analysis software. The list is by no means representing all agencies that use a pavement management system, but rather is a sampling of what other agencies are doing.

Network Funding Comparison									
Agency	State	Year	Mileage (mi)	PCI	Backlog	Steady State Budget (\$M/yr)	Steady State Rate (\$/mi)	Actual Funding (\$M/yr)	Comments
Agency CB	CA	2010	334	81	2%	\$3.40	\$10,000	\$3.40	Fully funded
Agency FW	WA	2011	231	79	4%	\$2.25	\$10,000	\$2.25	Fully funded, well structured
Agency E	TX	2014	128	77	2%	\$0.80	\$6,000	\$0.80	Slightly underfunded, excellent backlog
Agency MF	OR	2013	270	77	3%	\$3.00	\$11,000	\$2.25	Slightly underfunded, very low backlog
Agency L	NE	2012	338	77	9%	\$5.25	\$16,000	\$5.00	Slightly underfunded, majors only
Agency K	TX	2010	189	76	9%	\$1.50	\$8,000	\$1.50	Fully funded
Agency B	SD	2014	40	76	4%	\$0.35	\$9,000	\$0.35	Excellent Backlog
Agency CG	AZ	2010	310	76	4%	\$3.00	\$10,000	\$2.00	Underfunded
Agency ST	WA	2011	80	76	4%	\$0.90	\$11,000	\$2.25	Fully funded, well structured
Agency LM	CA	2010	141	76	12%	\$2.40	\$17,000	\$2.00	Slightly underfunded
Agency GI	NE	2013	284	74	1%	\$2.50	\$9,000	\$3.00	Fully funded
Agency FS	CO	2014	60	71	1%	\$0.64	\$11,000	\$0.20	Underfunded, but solid backlog and PCI
Agency FT	CA	2013	497	73	7%	\$6.50	\$13,000	\$6.50	Fully funded, well structured
Agency F	ND	2012	438	72	9%	\$6.00	\$14,000	\$4.00	Underfunded
Agency SS	GA	2012	311	72	10%	\$4.75	\$15,000	\$3.20	Underfunded, does not do surface treatments
Agency GD	AZ	2009	718	71	4%	\$15.00	\$21,000	\$2.00	Underfunded and struggling
Agency H	KS	2010	120	70	4%	\$0.85	\$7,000	\$0.50	Underfunded
Agency DW	GA	2009	147	69	14%	\$2.75	\$19,000	\$2.75	Fully funded
Agency SV	WA	2013	439	68	9%	\$7.25	\$17,000	\$2.00	Underfunded, but solid backlog
Agency Y	CA	2011	200	68	5%	\$1.60	\$8,000	\$1.00	Underfunded, decreasing PCI
Agency CY	WY	2010	332	68	4%	\$2.50	\$8,000	\$2.50	Fully funded
Agency TC	TX	2010	1270	68	7%	\$11.00	\$9,000	\$8.00	Underfunded
Agency LV	WA	2011	138	68	7%	\$2.80	\$20,000	\$0.55	Underfunded - looking for alternate funding
Agency DL	CA	2010	578	68	14%	\$18.50	\$32,000	\$8.50	Very high unit rates for providing a high LOS
Agency LA	NM	2010	106	67	11%	\$1.50	\$14,000	\$1.50	Fully funded and working to increase PCI
Agency WF	TX	2012	170	66	15%	\$1.40	\$8,000	\$0.66	Underfunded
Agency C	CA	2011	56	66	12%	\$1.10	\$20,000	\$1.10	Fully funded
Agency L	CO	2014	160	66	15%	\$2.30	\$14,000	\$2.30	Backlog a concern
Agency BV	OK	2012	152	65	11%	\$1.25	\$8,000	\$1.25	Fully funded and working to increase PCI
Agency KW	FL	2012	65	65	7%	\$0.75	\$12,000	\$0.75	Fully funded
Agency C	CO	2012	443	64	12%	\$6.00	\$14,000	\$5.00	Slightly underfunded
Agency LC	NM	2012	455	63	17%	\$5.60	\$12,000	\$3.00	Underfunded and concerned about backlog
Agency D	TX	2010	436	61	16%	\$10.00	\$23,000	\$3.20	Extremely underfunded and passing a bond
Agency V	CA	2012	472	60	14%	\$7.50	\$16,000	\$2.50	Underfunded and concerned about backlog
Agency LB	CA	2014	786	60	20%	\$26.50	\$34,000	\$17.50	Severely Underfunded
Agency LC	PA	2012	102	59	15%	\$1.00	\$10,000	\$0.75	Underfunded
Average:						\$15,000			

In comparison to other agencies, Firestone's steady state budget requirement of approximately \$11,000/mile is slightly below the national average of \$15,000. This is consistent with its PCI score being in the low 70's. However, this does not account for the backlog, which would increase at the steady state budget. In order for the backlog to remain steady at current levels, the budget needs to be higher than \$640K a year.

3.5 NETWORK RECOMMENDATIONS AND COMMENTS

The following recommendations are presented to the Town of Firestone as an output from the pavement analysis, and must be read in conjunction with the attached reports.

1. The Town should adopt a policy statement identifying the desired level of service and acceptable amount of backlog. We suggest a target that maintains the current network profile at or above a PCI of 70 for 5 years, while keeping the backlog well below 10% (anything below 5% is difficult to achieve – so a slight increase is not a worry).

An annual budget of at least \$640k is required to achieve this goal. The average network PCI would hold steady at and the backlog would remain below 5%. The total 5 year cost of this alternative is \$3.2M.

2. The full suite of proposed rehabilitation strategies and unit rates should be reviewed annually as these can have considerable effects on the final program.
3. All unit rates include a 20% burden in addition to their actual construction cost to cover traffic control, miscellaneous activities, and inspection. The unit rates have no funding for ADA compliance as these are assumed to be funded separately.
4. All costs are in constant 2014 dollars. No allowances have been made for inflation or fluctuations in rehabilitation costs.
5. No allowance has been made for network growth or conversion of gravel roadways to pavement. As the Town expands or increases the amount of paved roads, increased budgets will be required.
6. No allowance has been made for routine maintenance activities such as asphalt crack sealing, sweeping, striping or patching within the budget runs and analysis. These costs are assumed to be outside the pavement management costs.
7. The Town should resurvey their streets every few years to update the condition data and rehabilitation program.

Appendix A

Street Inventory and Condition Summary

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Pavement Condition Summary								
												Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)
381	172165	1000	10	1ST ST	MC CLURE AV	FLORENCE AV	Collector	ACP	40	329	1,462	71	70	72	71	7/1/2014	Moderate	Very Good	13	16
618	171794	1000	20	1ST ST	FLORENCE AV	BERWICK AV	Collector	ACP	40	326	1,448	69	80	97	79	7/1/2014	Strong	Very Good	12	19
2	171795	1000	30	1ST ST	BERWICK AV	VENICE AV	Collector	ACP	40	159	706	75	83	52	71	7/1/2014	Moderate	Very Good	0	25
3	171796	1000	40	1ST ST	VENICE AV	GRANVILLE AV	Collector	ACP	40	172	765	70	67	93	75	7/1/2014	Strong	Very Good	13	17
4	171797	1000	50	1ST ST	GRANVILLE AV	BUCHANAN AV	Collector	ACP	40	315	1,399	68	72	33	60	7/1/2014	Weak	Fair	12	20
5	171798	1000	60	1ST ST	BUCHANAN AV	MONMOUTH AV	Collector	ACP	40	347	1,543	31	52	21	34	7/1/2014	Weak	Poor	45	24
6	171799	1000	70	1ST ST	MONMOUTH AV	JACKSON DR	Collector	ACP	40	93	413	21	53	46	35	7/1/2014	Moderate	Poor	54	25
7	171800	1000	80	1ST ST	JACKSON DR	JACKSON AV	Collector	ACP	40	219	971	15	56	29	29	7/1/2014	Weak	Poor	56	29
8	171801	1000	90	1ST ST	JACKSON AV	JACKSON DR	Collector	ACP	40	39	173	28	53	55	41	7/1/2014	Moderate	Marginal	42	30
9	171802	1000	100	1ST ST	JACKSON DR	WOOSTER AV	Collector	ACP	40	283	1,259	34	57	48	43	7/1/2014	Moderate	Marginal	35	31
586	173890	1000	110	1ST ST	WOOSTER AV	W WOOSTER AV	Collector	ACP	40	108	481	56	44	58	54	7/1/2014	Moderate	Fair	28	16
10	171803	1000	120	1ST ST	W WOOSTER AV	GRANT AV	Collector	ACP	40	267	1,185	37	64	65	51	7/1/2014	Moderate	Fair	49	13
11	171804	1000	130	1ST ST	GRANT AV	END	Collector	ACP	40	1,725	7,668	60	75	65	65	7/1/2014	Moderate	Good	18	22
12	171805	1100	10	2ND ST	MC CLURE AV	FLORENCE AV	Local	ACP	37	341	1,403	47	56	70	55	7/1/2014	Moderate	Fair	28	24
13	171806	1100	20	2ND ST	FLORENCE AV	BERWICK AV	Local	ACP	37	332	1,364	61	53	70	61	7/1/2014	Moderate	Good	21	18
14	171807	1100	30	2ND ST	BERWICK AV	GRANVILLE AV	Local	ACP	37	327	1,343	75	60	75	71	7/1/2014	Strong	Very Good	15	10
15	171808	1100	40	2ND ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	37	311	1,277	55	67	75	63	7/1/2014	Strong	Good	24	21
16	171809	1100	50	2ND ST	BUCHANAN AV	MONMOUTH AV	Local	ACP	37	346	1,423	51	61	70	58	7/1/2014	Moderate	Fair	29	20
17	171810	1100	60	2ND ST	MONMOUTH AV	JACKSON AV	Local	ACP	35	320	1,245	41	61	70	53	7/1/2014	Moderate	Fair	47	12
18	171811	1100	70	2ND ST	JACKSON AV	WOOSTER AV	Local	ACP	35	341	1,327	56	50	70	58	7/1/2014	Moderate	Fair	30	14
19	171812	1100	80	2ND ST	WOOSTER AV	GRANT AV	Local	ACP	35	343	1,334	37	44	70	47	7/1/2014	Moderate	Marginal	37	26
20	171813	1200	10	3RD ST	MC CLURE AV	FLORENCE AV	Local	ACP	35	335	1,304	59	37	70	56	7/1/2014	Moderate	Fair	27	14
21	171814	1200	20	3RD ST	FLORENCE AV	BERWICK AV	Local	ACP	35	333	1,295	53	62	70	60	7/1/2014	Moderate	Fair	19	28
22	171815	1200	30	3RD ST	BERWICK AV	GRANVILLE AV	Local	ACP	35	329	1,279	62	62	74	65	7/1/2014	Moderate	Good	18	20
23	171816	1200	40	3RD ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	35	307	1,193	50	33	70	51	7/1/2014	Moderate	Fair	23	27
619	171817	1200	50	3RD ST	BUCHANAN AV	MONMOUTH AV	Local	ACP	35	347	1,349	58	51	72	60	7/1/2014	Moderate	Fair	13	30
24	171818	1200	60	3RD ST	MONMOUTH AV	JACKSON AV	Local	ACP	35	329	1,278	66	56	71	65	7/1/2014	Moderate	Good	13	21
25	171819	1200	70	3RD ST	JACKSON AV	WOOSTER AV	Local	ACP	35	344	1,337	66	60	72	66	7/1/2014	Moderate	Good	14	20
26	171820	1200	80	3RD ST	WOOSTER AV	GRANT AV	Local	ACP	35	328	1,277	48	62	70	57	7/1/2014	Moderate	Fair	32	20
27	171821	1300	10	4TH ST	MC CLURE AV	FLORENCE AV	Local	ACP	40	334	1,486	70	77	100	79	7/1/2014	Strong	Very Good	14	17
28	171822	1300	20	4TH ST	FLORENCE AV	BERWICK AV	Local	ACP	40	334	1,484	66	73	70	69	7/1/2014	Moderate	Good	12	21
29	171823	1300	30	4TH ST	BERWICK AV	GRANVILLE AV	Local	ACP	40	324	1,442	72	74	74	73	7/1/2014	Moderate	Very Good	12	16
30	171824	1300	40	4TH ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	40	316	1,406	85	69	74	78	7/1/2014	Moderate	Very Good	0	15
31	171825	1300	50	4TH ST	BUCHANAN AV	MONMOUTH AV	Local	ACP	40	348	1,546	86	75	75	80	7/1/2014	Strong	Very Good	0	14
32	171826	1300	60	4TH ST	MONMOUTH AV	JACKSON AV	Local	ACP	40	322	1,432	89	70	70	80	7/1/2014	Moderate	Very Good	0	11
33	171827	1300	70	4TH ST	JACKSON AV	WOOSTER AV	Local	ACP	40	341	1,515	55	54	70	58	7/1/2014	Moderate	Fair	23	23
34	171828	1300	80	4TH ST	WOOSTER AV	GRANT AV	Local	ACP	40	325	1,444	55	48	70	57	7/1/2014	Moderate	Fair	28	17
35	171829	1400	10	5TH ST	MC CLURE AV	ADAMS WY	Local	ACP	37	381	1,565	21	43	70	39	7/1/2014	Moderate	Poor	77	3
332	173240	1400	20	5TH ST	ADAMS WY	BERWICK AV	Local	ACP	37	288	1,185	44	44	70	51	7/1/2014	Moderate	Fair	30	26
36	171830	1400	30	5TH ST	BERWICK AV	GRANVILLE AV	Local	ACP	37	266	1,092	91	73	70	81	7/1/2014	Moderate	Very Good	0	9
37	171831	1400	40	5TH ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	37	405	1,666	79	60	70	72	7/1/2014	Moderate	Very Good	14	7
38	171832	1400	50	5TH ST	BUCHANAN AV	JACKSON AV	Local	ACP	37	778	3,196	72	51	70	66	7/1/2014	Moderate	Good	12	16

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
381	172165	1000	10	1ST ST	MC CLURE AV	FLORENCE AV	Collector	ACP	40	329	1,462	1000	5	1,300	5,779	70	Moderate	Collector	ACP
618	171794	1000	20	1ST ST	FLORENCE AV	BERWICK AV	Collector	ACP	40	326	1,448	1000	5	1,300	5,779	70	Moderate	Collector	ACP
2	171795	1000	30	1ST ST	BERWICK AV	VENICE AV	Collector	ACP	40	159	706	1000	5	1,300	5,779	70	Moderate	Collector	ACP
3	171796	1000	40	1ST ST	VENICE AV	GRANVILLE AV	Collector	ACP	40	172	765	1000	5	1,300	5,779	70	Moderate	Collector	ACP
4	171797	1000	50	1ST ST	GRANVILLE AV	BUCHANAN AV	Collector	ACP	40	315	1,399	1000	5	1,300	5,779	70	Moderate	Collector	ACP
5	171798	1000	60	1ST ST	BUCHANAN AV	MONMOUTH AV	Collector	ACP	40	347	1,543	1010	7	1,356	6,026	39	Moderate	Collector	ACP
6	171799	1000	70	1ST ST	MONMOUTH AV	JACKSON DR	Collector	ACP	40	93	413	1010	7	1,356	6,026	39	Moderate	Collector	ACP
7	171800	1000	80	1ST ST	JACKSON DR	JACKSON AV	Collector	ACP	40	219	971	1010	7	1,356	6,026	39	Moderate	Collector	ACP
8	171801	1000	90	1ST ST	JACKSON AV	JACKSON DR	Collector	ACP	40	39	173	1010	7	1,356	6,026	39	Moderate	Collector	ACP
9	171802	1000	100	1ST ST	JACKSON DR	WOOSTER AV	Collector	ACP	40	283	1,259	1010	7	1,356	6,026	39	Moderate	Collector	ACP
586	173890	1000	110	1ST ST	WOOSTER AV	W WOOSTER AV	Collector	ACP	40	108	481	1010	7	1,356	6,026	39	Moderate	Collector	ACP
10	171803	1000	120	1ST ST	W WOOSTER AV	GRANT AV	Collector	ACP	40	267	1,185	1010	7	1,356	6,026	39	Moderate	Collector	ACP
11	171804	1000	130	1ST ST	GRANT AV	END	Collector	ACP	40	1,725	7,668	1020	1	1,725	7,668	64	Moderate	Collector	ACP
12	171805	1100	10	2ND ST	MC CLURE AV	FLORENCE AV	Local	ACP	37	341	1,403	1030	4	1,310	5,387	62	Moderate	Local	ACP
13	171806	1100	20	2ND ST	FLORENCE AV	BERWICK AV	Local	ACP	37	332	1,364	1030	4	1,310	5,387	62	Moderate	Local	ACP
14	171807	1100	30	2ND ST	BERWICK AV	GRANVILLE AV	Local	ACP	37	327	1,343	1030	4	1,310	5,387	62	Moderate	Local	ACP
15	171808	1100	40	2ND ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	37	311	1,277	1030	4	1,310	5,387	62	Moderate	Local	ACP
16	171809	1100	50	2ND ST	BUCHANAN AV	MONMOUTH AV	Local	ACP	37	346	1,423	1040	4	1,351	5,330	53	Moderate	Local	ACP
17	171810	1100	60	2ND ST	MONMOUTH AV	JACKSON AV	Local	ACP	35	320	1,245	1040	4	1,351	5,330	53	Moderate	Local	ACP
18	171811	1100	70	2ND ST	JACKSON AV	WOOSTER AV	Local	ACP	35	341	1,327	1040	4	1,351	5,330	53	Moderate	Local	ACP
19	171812	1100	80	2ND ST	WOOSTER AV	GRANT AV	Local	ACP	35	343	1,334	1040	4	1,351	5,330	53	Moderate	Local	ACP
20	171813	1200	10	3RD ST	MC CLURE AV	FLORENCE AV	Local	ACP	35	335	1,304	1050	4	1,304	5,072	57	Moderate	Local	ACP
21	171814	1200	20	3RD ST	FLORENCE AV	BERWICK AV	Local	ACP	35	333	1,295	1050	4	1,304	5,072	57	Moderate	Local	ACP
22	171815	1200	30	3RD ST	BERWICK AV	GRANVILLE AV	Local	ACP	35	329	1,279	1050	4	1,304	5,072	57	Moderate	Local	ACP
23	171816	1200	40	3RD ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	35	307	1,193	1050	4	1,304	5,072	57	Moderate	Local	ACP
619	171817	1200	50	3RD ST	BUCHANAN AV	MONMOUTH AV	Local	ACP	35	347	1,349	1060	4	1,347	5,240	61	Moderate	Local	ACP
24	171818	1200	60	3RD ST	MONMOUTH AV	JACKSON AV	Local	ACP	35	329	1,278	1060	4	1,347	5,240	61	Moderate	Local	ACP
25	171819	1200	70	3RD ST	JACKSON AV	WOOSTER AV	Local	ACP	35	344	1,337	1060	4	1,347	5,240	61	Moderate	Local	ACP
26	171820	1200	80	3RD ST	WOOSTER AV	GRANT AV	Local	ACP	35	328	1,277	1060	4	1,347	5,240	61	Moderate	Local	ACP
27	171821	1300	10	4TH ST	MC CLURE AV	FLORENCE AV	Local	ACP	40	334	1,486	1070	6	1,979	8,797	76	Moderate	Local	ACP
28	171822	1300	20	4TH ST	FLORENCE AV	BERWICK AV	Local	ACP	40	334	1,484	1070	6	1,979	8,797	76	Moderate	Local	ACP
29	171823	1300	30	4TH ST	BERWICK AV	GRANVILLE AV	Local	ACP	40	324	1,442	1070	6	1,979	8,797	76	Moderate	Local	ACP
30	171824	1300	40	4TH ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	40	316	1,406	1070	6	1,979	8,797	76	Moderate	Local	ACP
31	171825	1300	50	4TH ST	BUCHANAN AV	MONMOUTH AV	Local	ACP	40	348	1,546	1070	6	1,979	8,797	76	Moderate	Local	ACP
32	171826	1300	60	4TH ST	MONMOUTH AV	JACKSON AV	Local	ACP	40	322	1,432	1070	6	1,979	8,797	76	Moderate	Local	ACP
33	171827	1300	70	4TH ST	JACKSON AV	WOOSTER AV	Local	ACP	40	341	1,515	1080	2	666	2,958	57	Moderate	Local	ACP
34	171828	1300	80	4TH ST	WOOSTER AV	GRANT AV	Local	ACP	40	325	1,444	1080	2	666	2,958	57	Moderate	Local	ACP
35	171829	1400	10	5TH ST	MC CLURE AV	ADAMS WY	Local	ACP	37	381	1,565	1090	2	669	2,750	43	Moderate	Local	ACP
332	173240	1400	20	5TH ST	ADAMS WY	BERWICK AV	Local	ACP	37	288	1,185	1090	2	669	2,750	43	Moderate	Local	ACP
36	171830	1400	30	5TH ST	BERWICK AV	GRANVILLE AV	Local	ACP	37	266	1,092	1100	3	1,448	5,954	70	Moderate	Local	ACP
37	171831	1400	40	5TH ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	37	405	1,666	1100	3	1,448	5,954	70	Moderate	Local	ACP
38	171832	1400	50	5TH ST	BUCHANAN AV	JACKSON AV	Local	ACP	37	778	3,196	1100	3	1,448	5,954	70	Moderate	Local	ACP

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
381	172165	1000	10	1ST ST	MC CLURE AV	FLORENCE AV	Collector	ACP	40	329	1,462	10.0	8.3	8.7	10.0	10.0	10.0	10.0	9.6	10.0
618	171794	1000	20	1ST ST	FLORENCE AV	BERWICK AV	Collector	ACP	40	326	1,448	10.0	7.8	8.8	10.0	10.0	10.0	10.0	9.7	10.0
2	171795	1000	30	1ST ST	BERWICK AV	VENICE AV	Collector	ACP	40	159	706	10.0	7.1	10.0	10.0	10.0	10.0	10.0	9.7	10.0
3	171796	1000	40	1ST ST	VENICE AV	GRANVILLE AV	Collector	ACP	40	172	765	10.0	8.2	8.7	10.0	10.0	10.0	10.0	9.6	10.0
4	171797	1000	50	1ST ST	GRANVILLE AV	BUCHANAN AV	Collector	ACP	40	315	1,399	10.0	7.7	8.8	10.0	10.0	10.0	10.0	9.7	10.0
5	171798	1000	60	1ST ST	BUCHANAN AV	MONMOUTH AV	Collector	ACP	40	347	1,543	10.0	7.3	6.1	10.0	10.0	10.0	10.0	9.6	9.2
6	171799	1000	70	1ST ST	MONMOUTH AV	JACKSON DR	Collector	ACP	40	93	413	10.0	7.1	4.6	10.0	10.0	10.0	10.0	9.6	10.0
7	171800	1000	80	1ST ST	JACKSON DR	JACKSON AV	Collector	ACP	40	219	971	7.8	6.6	6.5	10.0	10.0	10.0	10.0	9.7	10.0
8	171801	1000	90	1ST ST	JACKSON AV	JACKSON DR	Collector	ACP	40	39	173	10.0	6.5	5.8	10.0	10.0	10.0	10.0	9.7	10.0
9	171802	1000	100	1ST ST	JACKSON DR	WOOSTER AV	Collector	ACP	40	283	1,259	10.0	6.3	7.1	10.0	10.0	10.0	10.0	9.7	9.2
586	173890	1000	110	1ST ST	WOOSTER AV	W WOOSTER AV	Collector	ACP	40	108	481	10.0	8.4	7.6	10.0	10.0	10.0	10.0	9.5	9.5
10	171803	1000	120	1ST ST	W WOOSTER AV	GRANT AV	Collector	ACP	40	267	1,185	10.0	8.6	5.3	10.0	10.0	10.0	10.0	9.7	9.7
11	171804	1000	130	1ST ST	GRANT AV	END	Collector	ACP	40	1,725	7,668	10.0	7.4	8.4	10.0	10.0	10.0	10.0	9.7	9.8
12	171805	1100	10	2ND ST	MC CLURE AV	FLORENCE AV	Local	ACP	37	341	1,403	10.0	7.2	7.2	10.0	10.0	10.0	10.0	9.7	10.0
13	171806	1100	20	2ND ST	FLORENCE AV	BERWICK AV	Local	ACP	37	332	1,364	8.9	8.0	8.9	10.0	10.0	10.0	10.0	9.7	10.0
14	171807	1100	30	2ND ST	BERWICK AV	GRANVILLE AV	Local	ACP	37	327	1,343	8.6	9.1	10.0	10.0	10.0	9.8	10.0	9.6	10.0
15	171808	1100	40	2ND ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	37	311	1,277	8.6	8.6	9.1	10.0	10.0	9.9	10.0	8.2	10.0
16	171809	1100	50	2ND ST	BUCHANAN AV	MONMOUTH AV	Local	ACP	37	346	1,423	10.0	7.8	7.6	10.0	10.0	9.3	10.0	9.6	9.9
17	171810	1100	60	2ND ST	MONMOUTH AV	JACKSON AV	Local	ACP	35	320	1,245	8.7	8.7	8.4	10.0	10.0	10.0	10.0	9.7	7.6
18	171811	1100	70	2ND ST	JACKSON AV	WOOSTER AV	Local	ACP	35	341	1,327	10.0	8.5	8.7	10.0	10.0	10.0	10.0	9.7	7.9
19	171812	1100	80	2ND ST	WOOSTER AV	GRANT AV	Local	ACP	35	343	1,334	9.7	6.9	6.6	10.0	10.0	10.0	10.0	9.6	10.0
20	171813	1200	10	3RD ST	MC CLURE AV	FLORENCE AV	Local	ACP	35	335	1,304	10.0	8.5	7.7	10.0	10.0	10.0	10.0	9.5	9.6
21	171814	1200	20	3RD ST	FLORENCE AV	BERWICK AV	Local	ACP	35	333	1,295	10.0	6.7	8.1	10.0	10.0	10.0	10.0	9.7	10.0
22	171815	1200	30	3RD ST	BERWICK AV	GRANVILLE AV	Local	ACP	35	329	1,279	10.0	7.6	9.0	10.0	10.0	9.6	10.0	9.7	9.3
23	171816	1200	40	3RD ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	35	307	1,193	8.9	6.8	9.0	10.0	10.0	9.7	10.0	9.7	10.0
619	171817	1200	50	3RD ST	BUCHANAN AV	MONMOUTH AV	Local	ACP	35	347	1,349	10.0	6.5	8.8	10.0	10.0	9.9	10.0	9.6	10.0
24	171818	1200	60	3RD ST	MONMOUTH AV	JACKSON AV	Local	ACP	35	329	1,278	10.0	7.6	8.9	10.0	10.0	9.7	10.0	9.7	10.0
25	171819	1200	70	3RD ST	JACKSON AV	WOOSTER AV	Local	ACP	35	344	1,337	10.0	7.7	8.6	10.0	10.0	10.0	10.0	9.6	10.0
26	171820	1200	80	3RD ST	WOOSTER AV	GRANT AV	Local	ACP	35	328	1,277	10.0	8.3	6.8	10.0	10.0	10.0	10.0	8.9	10.0
27	171821	1300	10	4TH ST	MC CLURE AV	FLORENCE AV	Local	ACP	40	334	1,486	10.0	8.1	8.7	10.0	10.0	10.0	10.0	9.7	9.9
28	171822	1300	20	4TH ST	FLORENCE AV	BERWICK AV	Local	ACP	40	334	1,484	10.0	7.5	8.8	10.0	10.0	10.0	10.0	9.7	10.0
29	171823	1300	30	4TH ST	BERWICK AV	GRANVILLE AV	Local	ACP	40	324	1,442	10.0	8.2	8.8	10.0	10.0	10.0	10.0	9.7	10.0
30	171824	1300	40	4TH ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	40	316	1,406	10.0	8.4	10.0	10.0	10.0	10.0	10.0	9.6	10.0
31	171825	1300	50	4TH ST	BUCHANAN AV	MONMOUTH AV	Local	ACP	40	348	1,546	10.0	8.4	10.0	10.0	10.0	10.0	10.0	9.7	10.0
32	171826	1300	60	4TH ST	MONMOUTH AV	JACKSON AV	Local	ACP	40	322	1,432	10.0	8.9	10.0	10.0	10.0	10.0	10.0	9.7	10.0
33	171827	1300	70	4TH ST	JACKSON AV	WOOSTER AV	Local	ACP	40	341	1,515	8.7	7.4	9.0	10.0	10.0	10.0	10.0	9.7	10.0
34	171828	1300	80	4TH ST	WOOSTER AV	GRANT AV	Local	ACP	40	325	1,444	8.4	8.2	8.7	10.0	10.0	10.0	10.0	9.6	10.0
35	171829	1400	10	5TH ST	MC CLURE AV	ADAMS WY	Local	ACP	37	381	1,565	8.8	10.0	4.6	10.0	10.0	10.0	10.0	9.6	8.7
332	173240	1400	20	5TH ST	ADAMS WY	BERWICK AV	Local	ACP	37	288	1,185	10.0	7.0	7.0	10.0	10.0	10.0	10.0	9.6	10.0
36	171830	1400	30	5TH ST	BERWICK AV	GRANVILLE AV	Local	ACP	37	266	1,092	10.0	9.1	10.0	10.0	10.0	10.0	10.0	9.6	10.0
37	171831	1400	40	5TH ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	37	405	1,666	8.9	9.4	10.0	10.0	10.0	9.5	10.0	9.6	10.0
38	171832	1400	50	5TH ST	BUCHANAN AV	JACKSON AV	Local	ACP	37	778	3,196	10.0	8.2	8.8	10.0	10.0	10.0	10.0	9.6	10.0

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)
386	172171	1500	10	ADAMS WY	MC CLURE AV	5TH ST	Local	ACP	37	695	2,857	62	45	70	59	7/1/2014	Moderate	Fair	21	18
39	171837	1600	10	AUDREY ST	SANDY RIDGE AV	CDS	Local	ACP	42	185	865	85	66	70	77	7/1/2014	Moderate	Very Good	7	8
626	171839	1700	10	AUTUMN ST	SILVERLEAF AV	CDS	Local	ACP	44	142	696	91	73	70	81	7/1/2014	Moderate	Very Good	0	9
40	171846	1800	10	BAILEY ST	CDS	MONARCH DR	Local	ACP	44	180	880	89	70	70	79	7/1/2014	Moderate	Very Good	1	11
42	171856	1900	10	BALD EAGLE ST	SANDY RIDGE AV	SILVERLEAF AV	Local	ACP	33	263	966	89	70	70	79	7/1/2014	Moderate	Very Good	0	11
43	171857	1900	20	BALD EAGLE ST	SILVERLEAF AV	MONARCH DR	Local	ACP	33	422	1,549	70	61	70	68	7/1/2014	Moderate	Good	13	17
44	171859	2000	10	BARRON ST	SANDY RIDGE AV	SILVERLEAF AV	Local	ACP	33	273	1,000	65	70	70	68	7/1/2014	Moderate	Good	12	23
45	171860	2000	20	BARRON ST	SILVERLEAF AV	CDS	Local	ACP	44	183	894	62	62	70	64	7/1/2014	Moderate	Good	15	23
46	171861	2100	10	BEDFORD ST	MONARCH DR	CDS	Local	ACP	44	182	889	69	65	70	68	7/1/2014	Moderate	Good	13	18
47	171863	2200	10	BELMONT ST	CDS	SANDY RIDGE AV	Local	ACP	43	152	725	61	39	70	58	7/1/2014	Moderate	Fair	17	22
48	171865	2300	10	BERWICK AV	1ST ST	2ND ST	Local	ACP	40	559	2,486	52	53	71	57	7/1/2014	Moderate	Fair	32	17
49	171866	2300	20	BERWICK AV	2ND ST	3RD ST	Local	ACP	40	549	2,442	37	56	73	51	7/1/2014	Moderate	Fair	33	30
50	171867	2300	30	BERWICK AV	3RD ST	4TH ST	Local	ACP	40	571	2,538	61	60	70	63	7/1/2014	Moderate	Good	16	23
51	171868	2300	40	BERWICK AV	4TH ST	GRANVILLE CI	Local	ACP	36	396	1,583	50	60	70	57	7/1/2014	Moderate	Fair	35	15
52	171869	2300	50	BERWICK AV	GRANVILLE CI	5TH ST	Local	ACP	36	240	962	59	46	71	59	7/1/2014	Moderate	Fair	21	20
53	171870	2300	60	BERWICK AV	5TH ST	FLORENCE AV	Local	ACP	36	570	2,282	85	66	70	76	7/1/2014	Moderate	Very Good	0	15
578	172544	2300	70	BERWICK AV	FLORENCE AV	FARMDALE ST	Local	ACP	32	515	1,829	78	58	46	65	7/1/2014	Moderate	Good	14	8
54	171871	2300	80	BERWICK AV	EAST END	FOREST ST	Local	ACP	32	161	571	97	88	70	88	7/1/2014	Moderate	Excellent	0	3
55	171872	2400	10	BIRCH ST	CITY LIMITS	WIDCH	Arterial	ACP	32	687	2,441	82	79	43	72	7/1/2014	Weak	Very Good	5	13
56	171873	2400	20	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	32	264	939	60	71	22	53	7/1/2014	Weak	Fair	29	11
57	171874	2400	30	BIRCH ST	WIDTH OF SURFACE CHANGE	ROSEWOOD AV	Arterial	ACP	45	537	2,687	54	61	26	48	7/1/2014	Weak	Marginal	30	16
58	171875	2400	40	BIRCH ST	ROSEWOOD AV	WIDCH	Arterial	ACP	45	264	1,320	48	59	30	46	7/1/2014	Weak	Marginal	29	24
630	171876	2400	50	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	38	211	892	55	78	36	56	7/1/2014	Weak	Fair	24	20
59	171877	2400	60	BIRCH ST	WIDTH OF SURFACE CHANGE	SABLE AV	Arterial	ACP	32	728	2,587	85	71	37	69	7/1/2014	Weak	Good	0	15
60	171878	2400	70	BIRCH ST	SABLE AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	32	286	1,018	86	67	80	80	7/1/2014	Strong	Very Good	6	9
61	171879	2400	80	BIRCH ST	WIDTH OF SURFACE CHANGE	SANDY RIDGE AV	Arterial	ACP	38	317	1,337	91	84	46	78	7/1/2014	Moderate	Very Good	0	9
62	171880	2400	90	BIRCH ST	SANDY RIDGE AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	44	158	775	89	84	52	78	7/1/2014	Moderate	Very Good	0	11
63	171881	2400	100	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDTH OF SURFACE CHANGE	Arterial	ACP	44	581	2,840	70	83	47	68	7/1/2014	Moderate	Good	13	17
64	171882	2400	110	BIRCH ST	WIDTH OF SURFACE CHANGE	NEIGHBORS PY	Arterial	ACP	56	290	1,804	67	85	61	70	7/1/2014	Moderate	Very Good	12	21
617	171883	2400	120	BIRCH ST	NEIGHBORS PY	WIDTH OF SURFACE CHANGE	Arterial	ACP	42	264	1,232	74	90	66	76	7/1/2014	Moderate	Very Good	11	15
65	171884	2400	130	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDTH OF SURFACE CHANGE	Arterial	ACP	34	317	1,197	59	67	51	59	7/1/2014	Moderate	Fair	19	23
66	171885	2400	140	BIRCH ST	WIDTH OF SURFACE CHANGE	EAGLE CREST BD	Arterial	ACP	32	1,312	4,665	73	82	53	70	7/1/2014	Moderate	Very Good	10	17
67	171886	2400	150	BIRCH ST	EAGLE CREST BD	WIDTH OF SURFACE CHANGE	Arterial	ACP	40	351	1,559	66	81	52	66	7/1/2014	Moderate	Good	10	24
68	171887	2400	160	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDTH OF SURFACE CHANGE	Arterial	ACP	32	106	376	84	89	53	78	7/1/2014	Moderate	Very Good	3	12
69	171888	2400	170	BIRCH ST	WIDTH OF SURFACE CHANGE	TOWNSEND AV	Arterial	ACP	32	402	1,430	77	68	56	70	7/1/2014	Moderate	Good	0	23
70	171889	2400	180	BIRCH ST	TOWNSEND AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	32	391	1,391	85	90	55	78	7/1/2014	Moderate	Very Good	0	15
71	171891	2400	190	BIRCH ST	WIDTH OF SURFACE CHANGE	FIRESTONE BD	Arterial	ACP	50	529	2,938	81	64	66	73	7/1/2014	Moderate	Very Good	0	19
72	171892	2500	10	BLUEGRASS ST	RUBY AV	RUSTIC AV	Local	ACP	33	805	2,952	78	60	70	71	7/1/2014	Moderate	Very Good	10	12
75	171893	2500	20	BLUEGRASS ST	RUSTIC AV	CUL DE SAC	Local	ACP	39	153	663	79	60	70	72	7/1/2014	Moderate	Very Good	11	10
78	171896	2600	10	BLUEGRASS ST	NEIGHBORS PY	BRIARWOOD ST	Local	ACP	33	268	984	94	83	70	85	7/1/2014	Moderate	Excellent	3	3
76	171894	2600	20	BLUEGRASS ST	BRIARWOOD ST	BOUNTIFUL ST	Local	ACP	33	236	865	96	86	74	88	7/1/2014	Moderate	Excellent	0	5
77	171895	2600	30	BLUEGRASS ST	BOUNTIFUL ST	NEIGHBORS PY	Local	ACP	33	583	2,139	95	85	71	86	7/1/2014	Moderate	Excellent	0	5

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (Yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
386	172171	1500	10	ADAMS WY	MC CLURE AV	5TH ST	Local	ACP	37	695	2,857	1110	1	695	2,857	59	Moderate	Local	ACP
39	171837	1600	10	AUDREY ST	SANDY RIDGE AV	CDS	Local	ACP	42	185	865	1120	1	185	865	76	Moderate	Local	ACP
626	171839	1700	10	AUTUMN ST	SILVERLEAF AV	CDS	Local	ACP	44	142	696	1130	1	142	696	81	Moderate	Local	ACP
40	171846	1800	10	BAILEY ST	CDS	MONARCH DR	Local	ACP	44	180	880	1140	1	180	880	79	Moderate	Local	ACP
42	171856	1900	10	BALD EAGLE ST	SANDY RIDGE AV	SILVERLEAF AV	Local	ACP	33	263	966	1150	2	686	2,515	72	Moderate	Local	ACP
43	171857	1900	20	BALD EAGLE ST	SILVERLEAF AV	MONARCH DR	Local	ACP	33	422	1,549	1150	2	686	2,515	72	Moderate	Local	ACP
44	171859	2000	10	BARRON ST	SANDY RIDGE AV	SILVERLEAF AV	Local	ACP	33	273	1,000	1160	2	456	1,894	65	Moderate	Local	ACP
45	171860	2000	20	BARRON ST	SILVERLEAF AV	CDS	Local	ACP	44	183	894	1160	2	456	1,894	65	Moderate	Local	ACP
46	171861	2100	10	BEDFORD ST	MONARCH DR	CDS	Local	ACP	44	182	889	1170	1	182	889	68	Moderate	Local	ACP
47	171863	2200	10	BELMONT ST	CDS	SANDY RIDGE AV	Local	ACP	43	152	725	1180	1	152	725	57	Moderate	Local	ACP
48	171865	2300	10	BERWICK AV	1ST ST	2ND ST	Local	ACP	40	559	2,486	1190	3	1,680	7,467	56	Moderate	Local	ACP
49	171866	2300	20	BERWICK AV	2ND ST	3RD ST	Local	ACP	40	549	2,442	1190	3	1,680	7,467	56	Moderate	Local	ACP
50	171867	2300	30	BERWICK AV	3RD ST	4TH ST	Local	ACP	40	571	2,538	1190	3	1,680	7,467	56	Moderate	Local	ACP
51	171868	2300	40	BERWICK AV	4TH ST	GRANVILLE CI	Local	ACP	36	396	1,583	1200	2	636	2,545	57	Moderate	Local	ACP
52	171869	2300	50	BERWICK AV	GRANVILLE CI	5TH ST	Local	ACP	36	240	962	1200	2	636	2,545	57	Moderate	Local	ACP
53	171870	2300	60	BERWICK AV	5TH ST	FLORENCE AV	Local	ACP	36	570	2,282	1210	3	1,246	4,683	73	Moderate	Local	ACP
578	172544	2300	70	BERWICK AV	FLORENCE AV	FARMDALE ST	Local	ACP	32	515	1,829	1210	3	1,246	4,683	73	Moderate	Local	ACP
54	171871	2300	80	BERWICK AV	EAST END	FOREST ST	Local	ACP	32	161	571	1210	3	1,246	4,683	73	Moderate	Local	ACP
55	171872	2400	10	BIRCH ST	CITY LIMITS	WIDCH	Arterial	ACP	32	687	2,441	1220	3	1,488	6,067	58	Weak	Arterial	ACP
56	171873	2400	20	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	32	264	939	1220	3	1,488	6,067	58	Weak	Arterial	ACP
57	171874	2400	30	BIRCH ST	WIDTH OF SURFACE CHANGE	ROSEWOOD AV	Arterial	ACP	45	537	2,687	1220	3	1,488	6,067	58	Weak	Arterial	ACP
58	171875	2400	40	BIRCH ST	ROSEWOOD AV	WIDCH	Arterial	ACP	45	264	1,320	1230	3	1,203	4,799	60	Weak	Arterial	ACP
630	171876	2400	50	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	38	211	892	1230	3	1,203	4,799	60	Weak	Arterial	ACP
59	171877	2400	60	BIRCH ST	WIDTH OF SURFACE CHANGE	SABLE AV	Arterial	ACP	32	728	2,587	1230	3	1,203	4,799	60	Weak	Arterial	ACP
60	171878	2400	70	BIRCH ST	SABLE AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	32	286	1,018	1240	5	1,632	7,774	72	Moderate	Arterial	ACP
61	171879	2400	80	BIRCH ST	WIDTH OF SURFACE CHANGE	SANDY RIDGE AV	Arterial	ACP	38	317	1,337	1240	5	1,632	7,774	72	Moderate	Arterial	ACP
62	171880	2400	90	BIRCH ST	SANDY RIDGE AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	44	158	775	1240	5	1,632	7,774	72	Moderate	Arterial	ACP
63	171881	2400	100	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDTH OF SURFACE CHANGE	Arterial	ACP	44	581	2,840	1240	5	1,632	7,774	72	Moderate	Arterial	ACP
64	171882	2400	110	BIRCH ST	WIDTH OF SURFACE CHANGE	NEIGHBORS PY	Arterial	ACP	56	290	1,804	1240	5	1,632	7,774	72	Moderate	Arterial	ACP
617	171883	2400	120	BIRCH ST	NEIGHBORS PY	WIDTH OF SURFACE CHANGE	Arterial	ACP	42	264	1,232	1250	3	1,893	7,095	69	Moderate	Arterial	ACP
65	171884	2400	130	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDTH OF SURFACE CHANGE	Arterial	ACP	34	317	1,197	1250	3	1,893	7,095	69	Moderate	Arterial	ACP
66	171885	2400	140	BIRCH ST	WIDTH OF SURFACE CHANGE	EAGLE CREST BD	Arterial	ACP	32	1,312	4,665	1250	3	1,893	7,095	69	Moderate	Arterial	ACP
67	171886	2400	150	BIRCH ST	EAGLE CREST BD	WIDTH OF SURFACE CHANGE	Arterial	ACP	40	351	1,559	1260	5	1,779	7,694	72	Moderate	Arterial	ACP
68	171887	2400	160	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDTH OF SURFACE CHANGE	Arterial	ACP	32	106	376	1260	5	1,779	7,694	72	Moderate	Arterial	ACP
69	171888	2400	170	BIRCH ST	WIDTH OF SURFACE CHANGE	TOWNSEND AV	Arterial	ACP	32	402	1,430	1260	5	1,779	7,694	72	Moderate	Arterial	ACP
70	171889	2400	180	BIRCH ST	TOWNSEND AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	32	391	1,391	1260	5	1,779	7,694	72	Moderate	Arterial	ACP
71	171891	2400	190	BIRCH ST	WIDTH OF SURFACE CHANGE	FIRESTONE BD	Arterial	ACP	50	529	2,938	1260	5	1,779	7,694	72	Moderate	Arterial	ACP
72	171892	2500	10	BLUEGRASS ST	RUBY AV	RUSTIC AV	Local	ACP	33	805	2,952	1270	2	958	3,615	71	Moderate	Local	ACP
75	171893	2500	20	BLUEGRASS ST	RUSTIC AV	CUL DE SAC	Local	ACP	39	153	663	1270	2	958	3,615	71	Moderate	Local	ACP
78	171896	2600	10	BLUEGRASS ST	NEIGHBORS PY	BRIARWOOD ST	Local	ACP	33	268	984	1280	5	1,799	6,598	85	Moderate	Local	ACP
76	171894	2600	20	BLUEGRASS ST	BRIARWOOD ST	BOUNTIFUL ST	Local	ACP	33	236	865	1280	5	1,799	6,598	85	Moderate	Local	ACP
77	171895	2600	30	BLUEGRASS ST	BOUNTIFUL ST	NEIGHBORS PY	Local	ACP	33	583	2,139	1280	5	1,799	6,598	85	Moderate	Local	ACP

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
386	172171	1500	10	ADAMS WY	MC CLURE AV	5TH ST	Local	ACP	37	695	2,857	9.1	8.0	9.0	10.0	10.0	9.9	10.0	9.7	9.9
39	171837	1600	10	AUDREY ST	SANDY RIDGE AV	CDS	Local	ACP	42	185	865	10.0	9.2	10.0	10.0	10.0	10.0	10.0	9.6	9.2
626	171839	1700	10	AUTUMN ST	SILVERLEAF AV	CDS	Local	ACP	44	142	696	10.0	9.2	10.0	10.0	10.0	10.0	10.0	9.6	10.0
40	171846	1800	10	BAILEY ST	CDS	MONARCH DR	Local	ACP	44	180	880	10.0	9.0	10.0	10.0	10.0	10.0	10.0	9.5	9.9
42	171856	1900	10	BALD EAGLE ST	SANDY RIDGE AV	SILVERLEAF AV	Local	ACP	33	263	966	10.0	9.0	10.0	10.0	10.0	10.0	10.0	9.5	10.0
43	171857	1900	20	BALD EAGLE ST	SILVERLEAF AV	MONARCH DR	Local	ACP	33	422	1,549	10.0	8.1	8.7	10.0	10.0	10.0	10.0	9.6	10.0
44	171859	2000	10	BARRON ST	SANDY RIDGE AV	SILVERLEAF AV	Local	ACP	33	273	1,000	10.0	7.3	8.8	10.0	10.0	10.0	10.0	9.7	10.0
45	171860	2000	20	BARRON ST	SILVERLEAF AV	CDS	Local	ACP	44	183	894	10.0	7.4	8.5	10.0	10.0	10.0	10.0	9.7	10.0
46	171861	2100	10	BEDFORD ST	MONARCH DR	CDS	Local	ACP	44	182	889	10.0	8.0	8.7	10.0	10.0	10.0	10.0	9.7	10.0
47	171863	2200	10	BELMONT ST	CDS	SANDY RIDGE AV	Local	ACP	43	152	725	10.0	7.5	8.8	10.0	10.0	9.4	10.0	9.7	10.0
48	171865	2300	10	BERWICK AV	1ST ST	2ND ST	Local	ACP	40	559	2,486	10.0	8.6	7.8	10.0	10.0	10.0	10.0	8.9	8.8
49	171866	2300	20	BERWICK AV	2ND ST	3RD ST	Local	ACP	40	549	2,442	10.0	6.5	7.5	10.0	10.0	10.0	10.0	9.7	8.9
50	171867	2300	30	BERWICK AV	3RD ST	4TH ST	Local	ACP	40	571	2,538	10.0	7.4	8.4	10.0	10.0	10.0	10.0	9.6	10.0
51	171868	2300	40	BERWICK AV	4TH ST	GRANVILLE CI	Local	ACP	36	396	1,583	7.6	8.3	9.0	10.0	10.0	9.7	10.0	9.7	10.0
52	171869	2300	50	BERWICK AV	GRANVILLE CI	5TH ST	Local	ACP	36	240	962	9.2	7.7	8.7	10.0	10.0	10.0	10.0	9.6	10.0
53	171870	2300	60	BERWICK AV	5TH ST	FLORENCE AV	Local	ACP	36	570	2,282	10.0	8.4	10.0	10.0	10.0	10.0	10.0	9.6	10.0
578	172544	2300	70	BERWICK AV	FLORENCE AV	FARMDALE ST	Local	ACP	32	515	1,829	10.0	9.3	9.1	10.0	10.0	9.5	10.0	9.6	9.8
54	171871	2300	80	BERWICK AV	EAST END	FOREST ST	Local	ACP	32	161	571	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.5	10.0
55	171872	2400	10	BIRCH ST	CITY LIMITS	WIDCH	Arterial	ACP	32	687	2,441	10.0	8.6	10.0	10.0	10.0	9.3	10.0	9.7	10.0
56	171873	2400	20	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	32	264	939	8.3	8.8	9.1	10.0	10.0	9.4	10.0	9.8	10.0
57	171874	2400	30	BIRCH ST	WIDTH OF SURFACE CHANGE	ROSEWOOD AV	Arterial	ACP	45	537	2,687	8.0	8.2	9.1	10.0	10.0	9.9	9.9	9.7	9.8
58	171875	2400	40	BIRCH ST	ROSEWOOD AV	WIDCH	Arterial	ACP	45	264	1,320	8.8	7.4	9.1	10.0	10.0	10.0	9.7	9.7	8.9
630	171876	2400	50	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	38	211	892	8.7	7.6	9.0	10.0	10.0	10.0	10.0	9.8	9.6
59	171877	2400	60	BIRCH ST	WIDTH OF SURFACE CHANGE	SABLE AV	Arterial	ACP	32	728	2,587	10.0	8.4	10.0	10.0	10.0	10.0	10.0	9.6	10.0
60	171878	2400	70	BIRCH ST	SABLE AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	32	286	1,018	9.7	9.5	10.0	10.0	10.0	9.6	9.3	9.7	10.0
61	171879	2400	80	BIRCH ST	WIDTH OF SURFACE CHANGE	SANDY RIDGE AV	Arterial	ACP	38	317	1,337	10.0	9.4	10.0	10.0	10.0	10.0	9.4	9.6	10.0
62	171880	2400	90	BIRCH ST	SANDY RIDGE AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	44	158	775	10.0	9.3	10.0	10.0	10.0	10.0	9.2	9.7	10.0
63	171881	2400	100	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDTH OF SURFACE CHANGE	Arterial	ACP	44	581	2,840	10.0	9.0	10.0	10.0	10.0	10.0	8.4	9.7	8.4
64	171882	2400	110	BIRCH ST	WIDTH OF SURFACE CHANGE	NEIGHBORS PY	Arterial	ACP	56	290	1,804	10.0	8.4	8.8	10.0	10.0	10.0	8.6	9.8	10.0
617	171883	2400	120	BIRCH ST	NEIGHBORS PY	WIDTH OF SURFACE CHANGE	Arterial	ACP	42	264	1,232	10.0	8.5	8.9	10.0	10.0	10.0	9.3	10.0	10.0
65	171884	2400	130	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDTH OF SURFACE CHANGE	Arterial	ACP	34	317	1,197	10.0	7.7	9.1	10.0	10.0	9.7	9.4	9.7	9.1
66	171885	2400	140	BIRCH ST	WIDTH OF SURFACE CHANGE	EAGLE CREST BD	Arterial	ACP	32	1,312	4,665	9.7	8.5	10.0	10.0	10.0	9.3	9.2	9.8	9.6
67	171886	2400	150	BIRCH ST	EAGLE CREST BD	WIDTH OF SURFACE CHANGE	Arterial	ACP	40	351	1,559	9.1	7.2	10.0	10.0	10.0	10.0	10.0	9.7	9.8
68	171887	2400	160	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDTH OF SURFACE CHANGE	Arterial	ACP	32	106	376	10.0	8.5	10.0	10.0	10.0	10.0	10.0	10.0	9.6
69	171888	2400	170	BIRCH ST	WIDTH OF SURFACE CHANGE	TOWNSEND AV	Arterial	ACP	32	402	1,430	10.0	7.3	10.0	10.0	10.0	10.0	10.0	9.7	10.0
70	171889	2400	180	BIRCH ST	TOWNSEND AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	32	391	1,391	10.0	8.3	10.0	10.0	9.6	10.0	10.0	10.0	10.0
71	171891	2400	190	BIRCH ST	WIDTH OF SURFACE CHANGE	FIRESTONE BD	Arterial	ACP	50	529	2,938	10.0	7.9	10.0	10.0	10.0	10.0	10.0	9.6	10.0
72	171892	2500	10	BLUEGRASS ST	RUBY AV	RUSTIC AV	Local	ACP	33	805	2,952	9.2	8.7	10.0	10.0	10.0	10.0	10.0	9.7	9.6
75	171893	2500	20	BLUEGRASS ST	RUSTIC AV	CUL DE SAC	Local	ACP	39	153	663	10.0	9.0	10.0	10.0	10.0	8.4	10.0	9.7	10.0
78	171896	2600	10	BLUEGRASS ST	NEIGHBORS PY	BRIARWOOD ST	Local	ACP	33	268	984	10.0	10.0	10.0	10.0	10.0	9.5	10.0	9.5	10.0
76	171894	2600	20	BLUEGRASS ST	BRIARWOOD ST	BOUNTIFUL ST	Local	ACP	33	236	865	10.0	9.7	10.0	10.0	10.0	10.0	10.0	9.6	10.0
77	171895	2600	30	BLUEGRASS ST	BOUNTIFUL ST	NEIGHBORS PY	Local	ACP	33	583	2,139	10.0	9.6	10.0	10.0	10.0	10.0	10.0	9.6	10.0

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)
79	171897	2600	40	BLUEGRASS ST	NEIGHBORS PY	SPARROW AV	Local	ACP	33	416	1,525	93	81	75	86	7/1/2014	Strong	Excellent	0	7
80	171898	2600	50	BLUEGRASS ST	SPARROW AV	CUL DE SAC	Local	ACP	33	296	1,085	92	78	73	84	7/1/2014	Moderate	Very Good	1	6
81	171899	2700	10	BOOTH DR	COLORADO BD	SCENIC AV	Collector	ACP	33	200	733	74	55	70	68	7/1/2014	Moderate	Good	16	10
579	172545	2700	20	BOOTH DR	SCENIC AV	COAL RIDGE ST	Collector	ACP	33	254	932	87	68	70	78	7/1/2014	Moderate	Very Good	0	14
82	171900	2700	30	BOOTH DR	COAL RIDGE ST	COAL MINE ST	Collector	ACP	33	151	555	92	76	70	82	7/1/2014	Moderate	Very Good	0	8
83	171901	2700	40	BOOTH DR	COAL MINE ST	SILVERLEAF AV	Collector	ACP	33	244	894	85	72	70	78	7/1/2014	Moderate	Very Good	0	15
84	171902	2700	50	BOOTH DR	SILVERLEAF AV	SPARROW AV	Collector	ACP	33	422	1,549	94	81	70	85	7/1/2014	Moderate	Very Good	0	7
85	171903	2700	60	BOOTH DR	SPARROW AV	STAGECOACH AV	Collector	ACP	33	269	988	94	83	79	87	7/1/2014	Strong	Excellent	0	6
86	171904	2700	70	BOOTH DR	STAGECOACH AV	SUMMERSET AV	Collector	ACP	33	251	921	94	84	70	86	7/1/2014	Moderate	Excellent	0	6
87	171905	2700	80	BOOTH DR	SUMMERSET AV	SUNBURST AV	Collector	ACP	33	288	1,055	97	88	71	88	7/1/2014	Moderate	Excellent	0	3
88	171906	2700	90	BOOTH DR	SUNBURST AV	COAL MINE ST	Collector	ACP	33	226	828	94	83	70	85	7/1/2014	Moderate	Excellent	0	6
89	171907	2700	100	BOOTH DR	COAL MINE ST	STAGECOACH AV	Collector	ACP	33	369	1,352	93	78	70	83	7/1/2014	Moderate	Very Good	1	7
624	171908	2700	110	BOOTH DR	STAGECOACH AV	COLORADO BD	Collector	ACP	33	214	786	90	70	70	80	7/1/2014	Moderate	Very Good	0	11
90	171909	2700	120	BOOTH DR	COLORADO BD	END	Collector	ACP	33	1,096	4,017	72	54	70	67	7/1/2014	Moderate	Good	12	16
597	171910	2800	10	BOUNTIFUL ST	REMINGTON AV	CUL DE SAC	Local	ACP	37	228	937	80	67	70	74	7/1/2014	Moderate	Very Good	17	3
91	171911	2900	10	BOUNTIFUL ST	RUSTIC AV	CUL DE SAC	Local	ACP	39	153	663	92	76	70	82	7/1/2014	Moderate	Very Good	0	8
92	171912	3000	10	BOUNTIFUL ST	CDS	BLUEGRASS ST	Local	ACP	37	208	854	86	67	70	77	7/1/2014	Moderate	Very Good	12	2
93	171913	3100	10	BOUNTIFUL ST	NEIGHBORS PY	SPARROW AV	Local	ACP	33	439	1,611	95	84	75	87	7/1/2014	Strong	Excellent	0	5
94	171914	3100	20	BOUNTIFUL ST	SPARROW AV	CUL DE SAC	Local	ACP	33	448	1,642	94	82	70	85	7/1/2014	Moderate	Very Good	0	6
95	171915	3200	10	BOWERSOX PKW	ROSEWOOD AVE	BRAMWOOD ST	Collector	ACP	33	566	2,075	63	70	70	67	7/1/2014	Moderate	Good	12	25
96	171916	3200	20	BOWERSOX PKW	BRAMWOOD ST	BUFFALO ST	Collector	ACP	33	407	1,491	73	80	70	74	7/1/2014	Moderate	Very Good	12	15
97	171917	3200	30	BOWERSOX PKW	BUFFALO ST	REMINGTON AV	Collector	ACP	33	565	2,072	77	70	72	74	7/1/2014	Moderate	Very Good	0	23
98	171918	3200	40	BOWERSOX PKW	REMINGTON AV	ROSEWOOD AV	Collector	ACP	33	346	1,269	80	70	74	76	7/1/2014	Moderate	Very Good	0	20
628	171919	3200	50	BOWERSOX PKW	ROSEWOOD AV	CASCADE ST	Collector	ACP	33	593	2,175	77	74	75	76	7/1/2014	Strong	Very Good	1	22
99	171920	3300	10	BRADBURY ST	CDS	RUSTIC AV	Local	ACP	38	247	1,042	84	66	70	76	7/1/2014	Moderate	Very Good	0	16
100	171921	3400	10	BRADBURY ST	CDS	NEIGHBORS PY	Local	ACP	42	156	729	98	89	74	89	7/1/2014	Moderate	Excellent	0	2
101	171922	3500	10	BRAMWOOD ST	BOWERSOX PY	CUL DE SAC	Local	ACP	33	386	1,416	90	70	70	80	7/1/2014	Moderate	Very Good	0	11
102	171923	3600	10	BRIARWOOD ST	CDS	SANDY RIDGE AV	Local	ACP	43	109	519	84	65	74	77	7/1/2014	Moderate	Very Good	13	3
103	171924	3600	20	BRIARWOOD ST	SANDY RIDGE AV	BLUEGRASS ST	Local	ACP	33	855	3,134	96	87	70	88	7/1/2014	Moderate	Excellent	1	3
625	171925	3700	10	BUCHANAN AV	1ST ST	2ND ST	Local	ACP	40	562	2,498	51	48	70	55	7/1/2014	Moderate	Fair	43	6
104	171926	3700	20	BUCHANAN AV	2ND ST	3RD ST	Local	ACP	40	545	2,420	59	58	70	61	7/1/2014	Moderate	Good	16	25
105	171927	3700	30	BUCHANAN AV	3RD ST	4TH ST	Local	ACP	40	580	2,580	46	53	70	54	7/1/2014	Moderate	Fair	16	38
106	171928	3700	40	BUCHANAN AV	4TH ST	HART ST	Local	ACP	40	270	1,200	96	87	70	88	7/1/2014	Moderate	Excellent	1	3
107	171929	3700	50	BUCHANAN AV	HART ST	5TH ST	Local	ACP	40	390	1,734	89	70	72	80	7/1/2014	Moderate	Very Good	0	11
108	171930	3700	60	BUCHANAN AV	5TH ST	END	Local	ACP	35	126	488	91	74	70	82	7/1/2014	Moderate	Very Good	0	9
109	171931	3800	10	BUFFALO ST	REMINGTON AV	ROADRUNNER AV	Local	ACP	33	289	1,061	98	89	70	88	7/1/2014	Moderate	Excellent	0	3
110	171932	3800	20	BUFFALO ST	ROADRUNNER AV	BOWERSOX PY	Local	ACP	33	457	1,675	96	86	70	87	7/1/2014	Moderate	Excellent	0	4
600	171933	3900	10	BUFFALO ST	CASCADE ST	RUBY AV	Collector	ACP	33	807	2,959	84	71	70	77	7/1/2014	Moderate	Very Good	0	16
111	171934	3900	20	BUFFALO ST	RUBY AV	RUSTIC AV	Collector	ACP	33	445	1,631	85	67	74	77	7/1/2014	Moderate	Very Good	0	16
112	171935	3900	30	BUFFALO ST	RUSTIC AV	SABLE AV	Collector	ACP	33	227	832	69	44	74	64	7/1/2014	Moderate	Good	11	20
113	171936	3900	40	BUFFALO ST	SABLE AV	SANDY RIDGE AV	Collector	ACP	33	353	1,293	89	70	71	80	7/1/2014	Moderate	Very Good	5	6
114	171937	3900	50	BUFFALO ST	SANDY RIDGE AV	NEIGHBORS PY	Collector	ACP	33	343	1,257	98	89	73	89	7/1/2014	Moderate	Excellent	0	2

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
79	171897	2600	40	BLUEGRASS ST	NEIGHBORS PY	SPARROW AV	Local	ACP	33	416	1,525	1280	5	1,799	6,598	85	Moderate	Local	ACP
80	171898	2600	50	BLUEGRASS ST	SPARROW AV	CUL DE SAC	Local	ACP	33	296	1,085	1280	5	1,799	6,598	85	Moderate	Local	ACP
81	171899	2700	10	BOOTH DR	COLORADO BD	SCENIC AV	Collector	ACP	33	200	733	1290	6	1,541	5,652	80	Moderate	Collector	ACP
579	172545	2700	20	BOOTH DR	SCENIC AV	COAL RIDGE ST	Collector	ACP	33	254	932	1290	6	1,541	5,652	80	Moderate	Collector	ACP
82	171900	2700	30	BOOTH DR	COAL RIDGE ST	COAL MINE ST	Collector	ACP	33	151	555	1290	6	1,541	5,652	80	Moderate	Collector	ACP
83	171901	2700	40	BOOTH DR	COAL MINE ST	SILVERLEAF AV	Collector	ACP	33	244	894	1290	6	1,541	5,652	80	Moderate	Collector	ACP
84	171902	2700	50	BOOTH DR	SILVERLEAF AV	SPARROW AV	Collector	ACP	33	422	1,549	1290	6	1,541	5,652	80	Moderate	Collector	ACP
85	171903	2700	60	BOOTH DR	SPARROW AV	STAGECOACH AV	Collector	ACP	33	269	988	1290	6	1,541	5,652	80	Moderate	Collector	ACP
86	171904	2700	70	BOOTH DR	STAGECOACH AV	SUMMERSET AV	Collector	ACP	33	251	921	1300	5	1,348	4,943	84	Moderate	Collector	ACP
87	171905	2700	80	BOOTH DR	SUMMERSET AV	SUNBURST AV	Collector	ACP	33	288	1,055	1300	5	1,348	4,943	84	Moderate	Collector	ACP
88	171906	2700	90	BOOTH DR	SUNBURST AV	COAL MINE ST	Collector	ACP	33	226	828	1300	5	1,348	4,943	84	Moderate	Collector	ACP
89	171907	2700	100	BOOTH DR	COAL MINE ST	STAGECOACH AV	Collector	ACP	33	369	1,352	1300	5	1,348	4,943	84	Moderate	Collector	ACP
624	171908	2700	110	BOOTH DR	STAGECOACH AV	COLORADO BD	Collector	ACP	33	214	786	1300	5	1,348	4,943	84	Moderate	Collector	ACP
90	171909	2700	120	BOOTH DR	COLORADO BD	END	Collector	ACP	33	1,096	4,017	1310	1	1,096	4,017	66	Moderate	Collector	ACP
597	171910	2800	10	BOUNTIFUL ST	REMINGTON AV	CUL DE SAC	Local	ACP	37	228	937	1320	1	228	937	74	Moderate	Local	ACP
91	171911	2900	10	BOUNTIFUL ST	RUSTIC AV	CUL DE SAC	Local	ACP	39	153	663	1330	1	153	663	82	Moderate	Local	ACP
92	171912	3000	10	BOUNTIFUL ST	CDS	BLUEGRASS ST	Local	ACP	37	208	854	1340	1	208	854	77	Moderate	Local	ACP
93	171913	3100	10	BOUNTIFUL ST	NEIGHBORS PY	SPARROW AV	Local	ACP	33	439	1,611	1350	2	887	3,253	86	Moderate	Local	ACP
94	171914	3100	20	BOUNTIFUL ST	SPARROW AV	CUL DE SAC	Local	ACP	33	448	1,642	1350	2	887	3,253	86	Moderate	Local	ACP
95	171915	3200	10	BOWERSOX PKW	ROSEWOOD AVE	BRAMWOOD ST	Collector	ACP	33	566	2,075	1360	5	2,477	9,082	73	Moderate	Collector	ACP
96	171916	3200	20	BOWERSOX PKW	BRAMWOOD ST	BUFFALO ST	Collector	ACP	33	407	1,491	1360	5	2,477	9,082	73	Moderate	Collector	ACP
97	171917	3200	30	BOWERSOX PKW	BUFFALO ST	REMINGTON AV	Collector	ACP	33	565	2,072	1360	5	2,477	9,082	73	Moderate	Collector	ACP
98	171918	3200	40	BOWERSOX PKW	REMINGTON AV	ROSEWOOD AV	Collector	ACP	33	346	1,269	1360	5	2,477	9,082	73	Moderate	Collector	ACP
628	171919	3200	50	BOWERSOX PKW	ROSEWOOD AV	CASCADE ST	Collector	ACP	33	593	2,175	1360	5	2,477	9,082	73	Moderate	Collector	ACP
99	171920	3300	10	BRADBURY ST	CDS	RUSTIC AV	Local	ACP	38	247	1,042	1370	1	247	1,042	76	Moderate	Local	ACP
100	171921	3400	10	BRADBURY ST	CDS	NEIGHBORS PY	Local	ACP	42	156	729	1380	1	156	729	89	Moderate	Local	ACP
101	171922	3500	10	BRAMWOOD ST	BOWERSOX PY	CUL DE SAC	Local	ACP	33	386	1,416	1390	1	386	1,416	79	Moderate	Local	ACP
102	171923	3600	10	BRIARWOOD ST	CDS	SANDY RIDGE AV	Local	ACP	43	109	519	1400	2	963	3,653	86	Moderate	Local	ACP
103	171924	3600	20	BRIARWOOD ST	SANDY RIDGE AV	BLUEGRASS ST	Local	ACP	33	855	3,134	1400	2	963	3,653	86	Moderate	Local	ACP
625	171925	3700	10	BUCHANAN AV	1ST ST	2ND ST	Local	ACP	40	562	2,498	1410	3	1,687	7,497	56	Moderate	Local	ACP
104	171926	3700	20	BUCHANAN AV	2ND ST	3RD ST	Local	ACP	40	545	2,420	1410	3	1,687	7,497	56	Moderate	Local	ACP
105	171927	3700	30	BUCHANAN AV	3RD ST	4TH ST	Local	ACP	40	580	2,580	1410	3	1,687	7,497	56	Moderate	Local	ACP
106	171928	3700	40	BUCHANAN AV	4TH ST	HART ST	Local	ACP	40	270	1,200	1420	3	786	3,421	82	Moderate	Local	ACP
107	171929	3700	50	BUCHANAN AV	HART ST	5TH ST	Local	ACP	40	390	1,734	1420	3	786	3,421	82	Moderate	Local	ACP
108	171930	3700	60	BUCHANAN AV	5TH ST	END	Local	ACP	35	126	488	1420	3	786	3,421	82	Moderate	Local	ACP
109	171931	3800	10	BUFFALO ST	REMINGTON AV	ROADRUNNER AV	Local	ACP	33	289	1,061	1430	2	746	2,736	87	Moderate	Local	ACP
110	171932	3800	20	BUFFALO ST	ROADRUNNER AV	BOWERSOX PY	Local	ACP	33	457	1,675	1430	2	746	2,736	87	Moderate	Local	ACP
600	171933	3900	10	BUFFALO ST	CASCADE ST	RUBY AV	Collector	ACP	33	807	2,959	1440	3	1,479	5,423	75	Moderate	Collector	ACP
111	171934	3900	20	BUFFALO ST	RUBY AV	RUSTIC AV	Collector	ACP	33	445	1,631	1440	3	1,479	5,423	75	Moderate	Collector	ACP
112	171935	3900	30	BUFFALO ST	RUSTIC AV	SABLE AV	Collector	ACP	33	227	832	1440	3	1,479	5,423	75	Moderate	Collector	ACP
113	171936	3900	40	BUFFALO ST	SABLE AV	SANDY RIDGE AV	Collector	ACP	33	353	1,293	1450	2	695	2,550	84	Moderate	Collector	ACP
114	171937	3900	50	BUFFALO ST	SANDY RIDGE AV	NEIGHBORS PY	Collector	ACP	33	343	1,257	1450	2	695	2,550	84	Moderate	Collector	ACP

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
79	171897	2600	40	BLUEGRASS ST	NEIGHBORS PY	SPARROW AV	Local	ACP	33	416	1,525	10.0	9.4	10.0	10.0	10.0	10.0	10.0	9.6	10.0
80	171898	2600	50	BLUEGRASS ST	SPARROW AV	CUL DE SAC	Local	ACP	33	296	1,085	10.0	9.5	10.0	10.0	10.0	10.0	10.0	9.6	9.8
81	171899	2700	10	BOOTH DR	COLORADO BD	SCENIC AV	Collector	ACP	33	200	733	10.0	9.0	8.4	10.0	10.0	10.0	10.0	9.6	10.0
579	172545	2700	20	BOOTH DR	SCENIC AV	COAL RIDGE ST	Collector	ACP	33	254	932	10.0	8.6	10.0	10.0	10.0	10.0	10.0	9.5	10.0
82	171900	2700	30	BOOTH DR	COAL RIDGE ST	COAL MINE ST	Collector	ACP	33	151	555	10.0	9.3	10.0	10.0	10.0	10.0	10.0	9.6	10.0
83	171901	2700	40	BOOTH DR	COAL MINE ST	SILVERLEAF AV	Collector	ACP	33	244	894	10.0	8.5	10.0	10.0	10.0	10.0	10.0	9.6	10.0
84	171902	2700	50	BOOTH DR	SILVERLEAF AV	SPARROW AV	Collector	ACP	33	422	1,549	10.0	9.5	10.0	10.0	10.0	10.0	10.0	9.6	10.0
85	171903	2700	60	BOOTH DR	SPARROW AV	STAGECOACH AV	Collector	ACP	33	269	988	10.0	9.6	10.0	10.0	10.0	10.0	10.0	9.6	10.0
86	171904	2700	70	BOOTH DR	STAGECOACH AV	SUMMERSET AV	Collector	ACP	33	251	921	10.0	9.6	10.0	10.0	10.0	10.0	10.0	9.5	10.0
87	171905	2700	80	BOOTH DR	SUMMERSET AV	SUNBURST AV	Collector	ACP	33	288	1,055	10.0	9.9	10.0	10.0	10.0	10.0	10.0	9.6	10.0
88	171906	2700	90	BOOTH DR	SUNBURST AV	COAL MINE ST	Collector	ACP	33	226	828	10.0	9.6	10.0	10.0	10.0	10.0	10.0	9.6	10.0
89	171907	2700	100	BOOTH DR	COAL MINE ST	STAGECOACH AV	Collector	ACP	33	369	1,352	10.0	9.5	10.0	10.0	10.0	9.9	10.0	9.5	10.0
624	171908	2700	110	BOOTH DR	STAGECOACH AV	COLORADO BD	Collector	ACP	33	214	786	10.0	9.1	10.0	10.0	10.0	10.0	10.0	9.4	10.0
90	171909	2700	120	BOOTH DR	COLORADO BD	END	Collector	ACP	33	1,096	4,017	9.4	8.2	10.0	10.0	10.0	10.0	10.0	9.7	9.2
597	171910	2800	10	BOUNTIFUL ST	REMINGTON AV	CUL DE SAC	Local	ACP	37	228	937	10.0	10.0	8.3	10.0	10.0	10.0	10.0	9.6	10.0
91	171911	2900	10	BOUNTIFUL ST	RUSTIC AV	CUL DE SAC	Local	ACP	39	153	663	10.0	9.3	10.0	10.0	10.0	10.0	10.0	9.5	10.0
92	171912	3000	10	BOUNTIFUL ST	CDS	BLUEGRASS ST	Local	ACP	37	208	854	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.6	8.5
93	171913	3100	10	BOUNTIFUL ST	NEIGHBORS PY	SPARROW AV	Local	ACP	33	439	1,611	10.0	9.6	10.0	10.0	10.0	10.0	10.0	9.6	10.0
94	171914	3100	20	BOUNTIFUL ST	SPARROW AV	CUL DE SAC	Local	ACP	33	448	1,642	10.0	9.5	10.0	10.0	10.0	10.0	10.0	9.6	10.0
95	171915	3200	10	BOWERSOX PKW	ROSEWOOD AVE	BRAMWOOD ST	Collector	ACP	33	566	2,075	10.0	7.1	8.8	10.0	10.0	10.0	10.0	9.7	10.0
96	171916	3200	20	BOWERSOX PKW	BRAMWOOD ST	BUFFALO ST	Collector	ACP	33	407	1,491	10.0	8.3	8.8	10.0	10.0	10.0	10.0	9.7	10.0
97	171917	3200	30	BOWERSOX PKW	BUFFALO ST	REMINGTON AV	Collector	ACP	33	565	2,072	10.0	7.4	10.0	10.0	10.0	10.0	10.0	9.6	10.0
98	171918	3200	40	BOWERSOX PKW	REMINGTON AV	ROSEWOOD AV	Collector	ACP	33	346	1,269	10.0	7.7	10.0	10.0	10.0	10.0	10.0	9.6	10.0
628	171919	3200	50	BOWERSOX PKW	ROSEWOOD AV	CASCADE ST	Collector	ACP	33	593	2,175	10.0	7.5	10.0	10.0	10.0	10.0	10.0	9.7	9.9
99	171920	3300	10	BRADBURY ST	CDS	RUSTIC AV	Local	ACP	38	247	1,042	10.0	8.3	10.0	10.0	10.0	10.0	10.0	9.6	10.0
100	171921	3400	10	BRADBURY ST	CDS	NEIGHBORS PY	Local	ACP	42	156	729	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
101	171922	3500	10	BRAMWOOD ST	BOWERSOX PY	CUL DE SAC	Local	ACP	33	386	1,416	10.0	9.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
102	171923	3600	10	BRIARWOOD ST	CDS	SANDY RIDGE AV	Local	ACP	43	109	519	8.7	9.9	10.0	10.0	10.0	10.0	10.0	9.6	10.0
103	171924	3600	20	BRIARWOOD ST	SANDY RIDGE AV	BLUEGRASS ST	Local	ACP	33	855	3,134	10.0	10.0	10.0	10.0	10.0	9.8	10.0	9.6	10.0
625	171925	3700	10	BUCHANAN AV	1ST ST	2ND ST	Local	ACP	40	562	2,498	10.0	9.5	7.5	10.0	10.0	10.0	10.0	9.6	7.7
104	171926	3700	20	BUCHANAN AV	2ND ST	3RD ST	Local	ACP	40	545	2,420	10.0	7.1	8.9	10.0	10.0	10.0	10.0	9.7	9.4
105	171927	3700	30	BUCHANAN AV	3RD ST	4TH ST	Local	ACP	40	580	2,580	10.0	5.4	8.9	10.0	10.0	10.0	10.0	9.7	9.4
106	171928	3700	40	BUCHANAN AV	4TH ST	HART ST	Local	ACP	40	270	1,200	10.0	10.0	10.0	10.0	10.0	9.8	10.0	9.5	10.0
107	171929	3700	50	BUCHANAN AV	HART ST	5TH ST	Local	ACP	40	390	1,734	10.0	8.9	10.0	10.0	10.0	10.0	10.0	9.5	10.0
108	171930	3700	60	BUCHANAN AV	5TH ST	END	Local	ACP	35	126	488	10.0	9.3	10.0	10.0	10.0	10.0	10.0	9.5	10.0
109	171931	3800	10	BUFFALO ST	REMINGTON AV	ROADRUNNER AV	Local	ACP	33	289	1,061	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
110	171932	3800	20	BUFFALO ST	ROADRUNNER AV	BOWERSOX PY	Local	ACP	33	457	1,675	10.0	9.8	10.0	10.0	10.0	10.0	10.0	9.6	10.0
600	171933	3900	10	BUFFALO ST	CASCADE ST	RUBY AV	Collector	ACP	33	807	2,959	10.0	8.3	10.0	10.0	10.0	10.0	10.0	9.6	10.0
111	171934	3900	20	BUFFALO ST	RUBY AV	RUSTIC AV	Collector	ACP	33	445	1,631	10.0	8.3	10.0	10.0	10.0	10.0	10.0	9.6	10.0
112	171935	3900	30	BUFFALO ST	RUSTIC AV	SABLE AV	Collector	ACP	33	227	832	10.0	7.7	10.0	10.0	10.0	10.0	10.0	9.6	8.6
113	171936	3900	40	BUFFALO ST	SABLE AV	SANDY RIDGE AV	Collector	ACP	33	353	1,293	10.0	9.5	10.0	10.0	10.0	9.3	10.0	9.5	10.0
114	171937	3900	50	BUFFALO ST	SANDY RIDGE AV	NEIGHBORS PY	Collector	ACP	33	343	1,257	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)
115	171938	4000	10	BUSINESS PARK CI	I-25 FRONTAGE RD	I-25 FRONTAGE RD	Local	ACP	46	1,754	8,963	93	78	83	87	7/1/2014	Strong	Excellent	4	4
116	171939	4100	10	BUTTESFIELD ST	RUSTIC AV	CUL DE SAC	Local	ACP	42	153	714	98	89	70	89	7/1/2014	Moderate	Excellent	0	2
117	171940	4200	10	BUTTESFIELD ST	CDS	SANDY RIDGE AV	Local	ACP	45	106	528	85	66	70	77	7/1/2014	Moderate	Very Good	0	15
239	172074	4400	10	CARBONDALE ST	CHERRY VALE ST	MOUNTAIN SHADOWS BD	Local	ACP	34	324	1,222	97	88	74	89	7/1/2014	Moderate	Excellent	0	3
119	171942	4500	10	CASCADE ST	RUBY AV	BOWERSOX PY	Local	ACP	33	1,051	3,854	80	82	71	79	7/1/2014	Moderate	Very Good	0	20
120	171943	4500	20	CASCADE ST	BOWERSOX PY	ROADRUNNER AV	Local	ACP	33	208	764	86	72	70	79	7/1/2014	Moderate	Very Good	0	14
608	171944	4500	30	CASCADE ST	ROADRUNNER AV	RUSTIC AV	Local	ACP	33	570	2,091	83	79	70	79	7/1/2014	Moderate	Very Good	0	17
121	171945	4500	40	CASCADE ST	RUSTIC AV	SABLE AV	Local	ACP	33	227	832	72	58	72	69	7/1/2014	Moderate	Good	12	15
122	171946	4600	10	CEDAR ST	ROADRUNNER AV	CUL DE SAC	Local	ACP	41	147	668	98	89	70	88	7/1/2014	Moderate	Excellent	0	3
123	171947	4700	10	CENTER ST	FIRESTONE BD	TRAILWAY AV	Local	ACP	44	359	1,755	95	84	57	83	7/1/2014	Moderate	Very Good	0	5
125	171949	4900	10	CHERRYVALE ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	33	263	964	74	77	75	75	7/1/2014	Strong	Very Good	12	14
602	171950	4900	20	CHERRYVALE ST	SILVERLEAF AV	BOOTH DR	Local	ACP	39	727	3,152	88	69	70	79	7/1/2014	Moderate	Very Good	0	12
126	171951	5000	10	CHERRYVALE ST	TRAILWAY AV	TWILIGHT AV	Local	ACP	33	382	1,402	97	88	70	88	7/1/2014	Moderate	Excellent	1	3
127	171952	5000	20	CHERRYVALE ST	TWILIGHT AV	END OF ROAD	Local	ACP	33	811	2,972	95	85	70	87	7/1/2014	Moderate	Excellent	0	5
128	171953	5100	10	CHERRYVALE ST	MOUNTAIN SHADOWS BD	END OF ROAD	Local	ACP	33	122	446	97	88	70	88	7/1/2014	Moderate	Excellent	0	3
129	171954	5200	10	CIMARRON ST	BOOTH DR	SUNBURST AV	Local	ACP	37	875	3,597	74	53	70	68	7/1/2014	Moderate	Good	12	15
130	171955	5300	10	CIMARRON ST	COLORADO BD	COAL MINE ST	Collector	ACP	35	658	2,560	65	71	70	68	7/1/2014	Moderate	Good	12	23
131	171956	5300	20	CIMARRON ST	COAL MINE ST	CHANGE IN OF THRU LANES	Collector	ACP	46	1,162	5,939	58	67	73	64	7/1/2014	Moderate	Good	15	26
132	171957	5300	30	CIMARRON ST	CHANGE IN OF THRU LANES	FIRESTONE BD	Collector	ACP	52	197	1,138	82	64	71	75	7/1/2014	Moderate	Very Good	0	18
133	171958	5300	40	CIMARRON ST	FIRESTONE BD	WIDTH OF SURFACE CHANGE	Collector	ACP	42	624	2,910	92	76	70	82	7/1/2014	Moderate	Very Good	0	8
134	171959	5300	50	CIMARRON ST	WIDTH OF SURFACE CHANGE	TWILIGHT AV	Collector	ACP	33	146	536	73	60	73	70	7/1/2014	Moderate	Good	12	15
135	171960	5300	60	CIMARRON ST	TWILIGHT AV	OAK MEADOWS BD	Collector	ACP	33	555	2,036	69	76	70	71	7/1/2014	Moderate	Very Good	13	18
136	171963	5400	10	COAL MINE ST	SHENANDOAH AV	BOOTH DR	Local	ACP	33	294	1,080	77	58	74	72	7/1/2014	Moderate	Very Good	4	19
137	171964	5500	10	COAL MINE ST	BOOTH DR	TENDERFOOT AV	Local	ACP	33	283	1,037	97	87	73	88	7/1/2014	Moderate	Excellent	0	4
138	171965	5500	20	COAL MINE ST	TENDERFOOT AV	THISTLE RIDGE AV	Local	ACP	33	511	1,874	91	74	73	82	7/1/2014	Moderate	Very Good	7	2
587	173891	5500	30	COAL MINE ST	THISTLE RIDGE AV	CIMARRON ST	Local	ACP	33	251	920	93	81	70	84	7/1/2014	Moderate	Very Good	0	7
139	171966	5600	10	COAL MINE ST	MOUNTAIN SHADOWS BD	CDS	Local	ACP	48	260	1,386	88	69	73	80	7/1/2014	Moderate	Very Good	0	12
627	171968	5700	10	COAL MINE ST	TWILIGHT AV	OAK MEADOWS BD	Local	ACP	33	551	2,020	70	70	70	70	7/1/2014	Moderate	Very Good	12	18
140	171967	5700	20	COAL MINE ST	OAK MEADOWS BD	CDS	Local	ACP	43	357	1,708	73	71	70	72	7/1/2014	Moderate	Very Good	10	17
141	171969	5800	10	COAL RIDGE ST	BOOTH DR	SPARROW AV	Local	ACP	33	530	1,944	62	58	70	63	7/1/2014	Moderate	Good	15	23
142	171970	5900	10	COAL RIDGE ST	TWILIGHT AV	OAK MEADOWS BD	Local	ACP	33	547	2,005	97	89	70	88	7/1/2014	Moderate	Excellent	0	3
143	171971	5900	20	COAL RIDGE ST	OAK MEADOWS BD	MOUNTAIN SHADOWS BD	Local	ACP	33	639	2,344	91	74	70	82	7/1/2014	Moderate	Very Good	0	9
144	171972	5900	30	COAL RIDGE ST	MOUNTAIN SHADOWS BD	END	Local	ACP	33	134	492	94	84	70	86	7/1/2014	Moderate	Excellent	0	6
145	171973	6000	10	COLORADO BD	PINE CONE AV	CHANGE IN OF THRU LANES	Arterial	ACP	40	475	2,113	88	82	90	87	7/1/2014	Strong	Excellent	0	12
146	171974	6000	20	COLORADO BD	CHANGE IN OF THRU LANES	WIDTH OF SURFACE CHANGE	Arterial	ACP	44	4,192	20,495	68	87	89	78	7/1/2014	Strong	Very Good	19	13
147	171975	6000	30	COLORADO BD	WIDTH OF SURFACE CHANGE	SABLE AV	Arterial	ACP	56	574	3,571	47	80	91	66	7/1/2014	Strong	Good	29	24
148	171976	6000	40	COLORADO BD	SABLE AV	WIDCH	Arterial	ACP	56	512	3,186	48	89	87	68	7/1/2014	Strong	Good	33	19
149	171977	6000	50	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	44	791	3,869	57	87	91	73	7/1/2014	Strong	Very Good	26	17
150	171978	6000	60	COLORADO BD	WIDCH	BOOTH DR	Arterial	ACP	46	517	2,644	69	98	91	82	7/1/2014	Strong	Very Good	18	14
151	171979	6000	70	COLORADO BD	BOOTH DR	WIDCH	Arterial	ACP	56	123	763	65	100	93	81	7/1/2014	Strong	Very Good	14	20
152	171980	6000	80	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	48	1,100	5,869	54	99	90	74	7/1/2014	Strong	Very Good	31	16
153	171981	6000	90	COLORADO BD	WIDCH	BOOTH DR	Arterial	ACP	63	189	1,325	49	86	91	69	7/1/2014	Strong	Good	33	18

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
115	171938	4000	10	BUSINESS PARK CI	I-25 FRONTAGE RD	I-25 FRONTAGE RD	Local	ACP	46	1,754	8,963	1460	1	1,754	8,963	86	Strong	Local	ACP
116	171939	4100	10	BUTTESFIELD ST	RUSTIC AV	CUL DE SAC	Local	ACP	42	153	714	1470	1	153	714	88	Moderate	Local	ACP
117	171940	4200	10	BUTTESFIELD ST	CDS	SANDY RIDGE AV	Local	ACP	45	106	528	1480	1	106	528	76	Moderate	Local	ACP
239	172074	4400	10	CARBONDALE ST	CHERRY VALE ST	MOUNTAIN SHADOWS BD	Local	ACP	34	324	1,222	1490	1	324	1,222	89	Moderate	Local	ACP
119	171942	4500	10	CASCADE ST	RUBY AV	BOWERSOX PY	Local	ACP	33	1,051	3,854	1500	4	2,057	7,542	77	Moderate	Local	ACP
120	171943	4500	20	CASCADE ST	BOWERSOX PY	ROADRUNNER AV	Local	ACP	33	208	764	1500	4	2,057	7,542	77	Moderate	Local	ACP
608	171944	4500	30	CASCADE ST	ROADRUNNER AV	RUSTIC AV	Local	ACP	33	570	2,091	1500	4	2,057	7,542	77	Moderate	Local	ACP
121	171945	4500	40	CASCADE ST	RUSTIC AV	SABLE AV	Local	ACP	33	227	832	1500	4	2,057	7,542	77	Moderate	Local	ACP
122	171946	4600	10	CEDAR ST	ROADRUNNER AV	CUL DE SAC	Local	ACP	41	147	668	1510	1	147	668	88	Moderate	Local	ACP
123	171947	4700	10	CENTER ST	FIRESTONE BD	TRAILWAY AV	Local	ACP	44	359	1,755	1520	1	359	1,755	82	Moderate	Local	ACP
125	171949	4900	10	CHERRYVALE ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	33	263	964	1530	2	990	4,116	78	Moderate	Local	ACP
602	171950	4900	20	CHERRYVALE ST	SILVERLEAF AV	BOOTH DR	Local	ACP	39	727	3,152	1530	2	990	4,116	78	Moderate	Local	ACP
126	171951	5000	10	CHERRYVALE ST	TRAILWAY AV	TWILIGHT AV	Local	ACP	33	382	1,402	1540	2	1,193	4,375	87	Moderate	Local	ACP
127	171952	5000	20	CHERRYVALE ST	TWILIGHT AV	END OF ROAD	Local	ACP	33	811	2,972	1540	2	1,193	4,375	87	Moderate	Local	ACP
128	171953	5100	10	CHERRYVALE ST	MOUNTAIN SHADOWS BD	END OF ROAD	Local	ACP	33	122	446	1550	1	122	446	88	Moderate	Local	ACP
129	171954	5200	10	CIMARRON ST	BOOTH DR	SUNBURST AV	Local	ACP	37	875	3,597	1560	1	875	3,597	67	Moderate	Local	ACP
130	171955	5300	10	CIMARRON ST	COLORADO BD	COAL MINE ST	Collector	ACP	35	658	2,560	1570	3	2,017	9,637	66	Moderate	Collector	ACP
131	171956	5300	20	CIMARRON ST	COAL MINE ST	CHANGE IN OF THRU LANES	Collector	ACP	46	1,162	5,939	1570	3	2,017	9,637	66	Moderate	Collector	ACP
132	171957	5300	30	CIMARRON ST	CHANGE IN OF THRU LANES	FIRESTONE BD	Collector	ACP	52	197	1,138	1570	3	2,017	9,637	66	Moderate	Collector	ACP
133	171958	5300	40	CIMARRON ST	FIRESTONE BD	WIDTH OF SURFACE CHANGE	Collector	ACP	42	624	2,910	1580	3	1,325	5,482	76	Moderate	Collector	ACP
134	171959	5300	50	CIMARRON ST	WIDTH OF SURFACE CHANGE	TWILIGHT AV	Collector	ACP	33	146	536	1580	3	1,325	5,482	76	Moderate	Collector	ACP
135	171960	5300	60	CIMARRON ST	TWILIGHT AV	OAK MEADOWS BD	Collector	ACP	33	555	2,036	1580	3	1,325	5,482	76	Moderate	Collector	ACP
136	171963	5400	10	COAL MINE ST	SHENANDOAH AV	BOOTH DR	Local	ACP	33	294	1,080	1590	1	294	1,080	71	Moderate	Local	ACP
137	171964	5500	10	COAL MINE ST	BOOTH DR	TENDERFOOT AV	Local	ACP	33	283	1,037	1600	3	1,045	3,830	84	Moderate	Local	ACP
138	171965	5500	20	COAL MINE ST	TENDERFOOT AV	THISTLE RIDGE AV	Local	ACP	33	511	1,874	1600	3	1,045	3,830	84	Moderate	Local	ACP
587	173891	5500	30	COAL MINE ST	THISTLE RIDGE AV	CIMARRON ST	Local	ACP	33	251	920	1600	3	1,045	3,830	84	Moderate	Local	ACP
139	171966	5600	10	COAL MINE ST	MOUNTAIN SHADOWS BD	CDS	Local	ACP	48	260	1,386	1610	1	260	1,386	79	Moderate	Local	ACP
627	171968	5700	10	COAL MINE ST	TWILIGHT AV	OAK MEADOWS BD	Local	ACP	33	551	2,020	1620	2	908	3,728	70	Moderate	Local	ACP
140	171967	5700	20	COAL MINE ST	OAK MEADOWS BD	CDS	Local	ACP	43	357	1,708	1620	2	908	3,728	70	Moderate	Local	ACP
141	171969	5800	10	COAL RIDGE ST	BOOTH DR	SPARROW AV	Local	ACP	33	530	1,944	1630	1	530	1,944	63	Moderate	Local	ACP
142	171970	5900	10	COAL RIDGE ST	TWILIGHT AV	OAK MEADOWS BD	Local	ACP	33	547	2,005	1640	3	1,320	4,841	85	Moderate	Local	ACP
143	171971	5900	20	COAL RIDGE ST	OAK MEADOWS BD	MOUNTAIN SHADOWS BD	Local	ACP	33	639	2,344	1640	3	1,320	4,841	85	Moderate	Local	ACP
144	171972	5900	30	COAL RIDGE ST	MOUNTAIN SHADOWS BD	END	Local	ACP	33	134	492	1640	3	1,320	4,841	85	Moderate	Local	ACP
145	171973	6000	10	COLORADO BD	PINE CONE AV	CHANGE IN OF THRU LANES	Arterial	ACP	40	475	2,113	1650	3	5,241	26,179	77	Strong	Arterial	ACP
146	171974	6000	20	COLORADO BD	CHANGE IN OF THRU LANES	WIDTH OF SURFACE CHANGE	Arterial	ACP	44	4,192	20,495	1650	3	5,241	26,179	77	Strong	Arterial	ACP
147	171975	6000	30	COLORADO BD	WIDTH OF SURFACE CHANGE	SABLE AV	Arterial	ACP	56	574	3,571	1650	3	5,241	26,179	77	Strong	Arterial	ACP
148	171976	6000	40	COLORADO BD	SABLE AV	WIDCH	Arterial	ACP	56	512	3,186	1660	6	3,233	17,655	73	Strong	Arterial	ACP
149	171977	6000	50	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	44	791	3,869	1660	6	3,233	17,655	73	Strong	Arterial	ACP
150	171978	6000	60	COLORADO BD	WIDCH	BOOTH DR	Arterial	ACP	46	517	2,644	1660	6	3,233	17,655	73	Strong	Arterial	ACP
151	171979	6000	70	COLORADO BD	BOOTH DR	WIDCH	Arterial	ACP	56	123	763	1660	6	3,233	17,655	73	Strong	Arterial	ACP
152	171980	6000	80	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	48	1,100	5,869	1660	6	3,233	17,655	73	Strong	Arterial	ACP
153	171981	6000	90	COLORADO BD	WIDCH	BOOTH DR	Arterial	ACP	63	189	1,325	1660	6	3,233	17,655	73	Strong	Arterial	ACP

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
115	171938	4000	10	BUSINESS PARK CI	I-25 FRONTAGE RD	I-25 FRONTAGE RD	Local	ACP	46	1,754	8,963	9.8	9.9	10.0	10.0	10.0	9.8	10.0	9.5	9.9
116	171939	4100	10	BUTTESFIELD ST	RUSTIC AV	CUL DE SAC	Local	ACP	42	153	714	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
117	171940	4200	10	BUTTESFIELD ST	CDS	SANDY RIDGE AV	Local	ACP	45	106	528	10.0	8.4	10.0	10.0	10.0	10.0	10.0	9.5	10.0
239	172074	4400	10	CARBONDALE ST	CHERRY VALE ST	MOUNTAIN SHADOWS BD	Local	ACP	34	324	1,222	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.5	10.0
119	171942	4500	10	CASCADE ST	RUBY AV	BOWERSOX PY	Local	ACP	33	1,051	3,854	10.0	7.8	10.0	10.0	10.0	10.0	10.0	9.7	10.0
120	171943	4500	20	CASCADE ST	BOWERSOX PY	ROADRUNNER AV	Local	ACP	33	208	764	10.0	8.5	10.0	10.0	10.0	10.0	10.0	9.7	10.0
608	171944	4500	30	CASCADE ST	ROADRUNNER AV	RUSTIC AV	Local	ACP	33	570	2,091	10.0	8.1	10.0	10.0	10.0	10.0	10.0	9.7	10.0
121	171945	4500	40	CASCADE ST	RUSTIC AV	SABLE AV	Local	ACP	33	227	832	10.0	8.3	8.8	10.0	10.0	10.0	10.0	9.6	10.0
122	171946	4600	10	CEDAR ST	ROADRUNNER AV	CUL DE SAC	Local	ACP	41	147	668	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.5	10.0
123	171947	4700	10	CENTER ST	FIRESTONE BD	TRAILWAY AV	Local	ACP	44	359	1,755	10.0	9.8	10.0	10.0	10.0	10.0	10.0	9.3	10.0
125	171949	4900	10	CHERRYVALE ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	33	263	964	10.0	8.4	8.8	10.0	10.0	10.0	10.0	9.7	10.0
602	171950	4900	20	CHERRYVALE ST	SILVERLEAF AV	BOOTH DR	Local	ACP	39	727	3,152	10.0	8.8	10.0	10.0	10.0	10.0	10.0	9.6	10.0
126	171951	5000	10	CHERRYVALE ST	TRAILWAY AV	TWILIGHT AV	Local	ACP	33	382	1,402	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.5	9.9
127	171952	5000	20	CHERRYVALE ST	TWILIGHT AV	END OF ROAD	Local	ACP	33	811	2,972	10.0	9.7	10.0	10.0	10.0	10.0	10.0	9.5	10.0
128	171953	5100	10	CHERRYVALE ST	MOUNTAIN SHADOWS BD	END OF ROAD	Local	ACP	33	122	446	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.5	10.0
129	171954	5200	10	CIMARRON ST	BOOTH DR	SUNBURST AV	Local	ACP	37	875	3,597	10.0	8.4	8.8	10.0	10.0	10.0	10.0	9.6	10.0
130	171955	5300	10	CIMARRON ST	COLORADO BD	COAL MINE ST	Collector	ACP	35	658	2,560	10.0	7.3	8.8	10.0	10.0	10.0	10.0	9.7	10.0
131	171956	5300	20	CIMARRON ST	COAL MINE ST	CHANGE IN OF THRU LANES	Collector	ACP	46	1,162	5,939	10.0	6.9	8.7	10.0	10.0	9.9	10.0	9.7	9.8
132	171957	5300	30	CIMARRON ST	CHANGE IN OF THRU LANES	FIRESTONE BD	Collector	ACP	52	197	1,138	10.0	8.1	10.0	10.0	10.0	10.0	10.0	9.6	10.0
133	171958	5300	40	CIMARRON ST	FIRESTONE BD	WIDTH OF SURFACE CHANGE	Collector	ACP	42	624	2,910	10.0	9.3	10.0	10.0	10.0	10.0	10.0	9.5	10.0
134	171959	5300	50	CIMARRON ST	WIDTH OF SURFACE CHANGE	TWILIGHT AV	Collector	ACP	33	146	536	10.0	8.3	8.8	10.0	10.0	10.0	10.0	9.6	10.0
135	171960	5300	60	CIMARRON ST	TWILIGHT AV	OAK MEADOWS BD	Collector	ACP	33	555	2,036	10.0	8.0	8.7	10.0	10.0	10.0	10.0	9.7	10.0
136	171963	5400	10	COAL MINE ST	SHENANDOAH AV	BOOTH DR	Local	ACP	33	294	1,080	10.0	7.9	10.0	10.0	10.0	9.5	10.0	9.6	10.0
137	171964	5500	10	COAL MINE ST	BOOTH DR	TENDERFOOT AV	Local	ACP	33	283	1,037	10.0	9.9	10.0	10.0	10.0	10.0	10.0	9.5	10.0
138	171965	5500	20	COAL MINE ST	TENDERFOOT AV	THISTLE RIDGE AV	Local	ACP	33	511	1,874	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.6	9.2
587	173891	5500	30	COAL MINE ST	THISTLE RIDGE AV	CIMARRON ST	Local	ACP	33	251	920	10.0	9.5	10.0	10.0	10.0	10.0	10.0	9.5	10.0
139	171966	5600	10	COAL MINE ST	MOUNTAIN SHADOWS BD	CDS	Local	ACP	48	260	1,386	10.0	8.9	10.0	10.0	10.0	10.0	10.0	9.5	10.0
627	171968	5700	10	COAL MINE ST	TWILIGHT AV	OAK MEADOWS BD	Local	ACP	33	551	2,020	10.0	7.9	8.8	10.0	10.0	10.0	10.0	9.7	10.0
140	171967	5700	20	COAL MINE ST	OAK MEADOWS BD	CDS	Local	ACP	43	357	1,708	10.0	8.0	9.0	10.0	10.0	10.0	10.0	9.7	10.0
141	171969	5800	10	COAL RIDGE ST	BOOTH DR	SPARROW AV	Local	ACP	33	530	1,944	10.0	7.4	8.5	10.0	10.0	10.0	10.0	9.6	10.0
142	171970	5900	10	COAL RIDGE ST	TWILIGHT AV	OAK MEADOWS BD	Local	ACP	33	547	2,005	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.5	10.0
143	171971	5900	20	COAL RIDGE ST	OAK MEADOWS BD	MOUNTAIN SHADOWS BD	Local	ACP	33	639	2,344	10.0	9.2	10.0	10.0	10.0	10.0	10.0	9.5	10.0
144	171972	5900	30	COAL RIDGE ST	MOUNTAIN SHADOWS BD	END	Local	ACP	33	134	492	10.0	9.6	10.0	10.0	10.0	10.0	10.0	9.6	10.0
145	171973	6000	10	COLORADO BD	PINE CONE AV	CHANGE IN OF THRU LANES	Arterial	ACP	40	475	2,113	10.0	8.7	10.0	10.0	10.0	10.0	10.0	9.6	10.0
146	171974	6000	20	COLORADO BD	CHANGE IN OF THRU LANES	WIDTH OF SURFACE CHANGE	Arterial	ACP	44	4,192	20,495	9.6	8.4	8.8	10.0	10.0	10.0	10.0	10.0	9.6
147	171975	6000	30	COLORADO BD	WIDTH OF SURFACE CHANGE	SABLE AV	Arterial	ACP	56	574	3,571	8.2	7.2	8.7	10.0	10.0	10.0	9.8	9.8	10.0
148	171976	6000	40	COLORADO BD	SABLE AV	WIDCH	Arterial	ACP	56	512	3,186	7.8	8.0	8.8	10.0	9.4	10.0	9.8	10.0	10.0
149	171977	6000	50	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	44	791	3,869	8.6	7.9	8.7	10.0	10.0	10.0	10.0	10.0	10.0
150	171978	6000	60	COLORADO BD	WIDCH	BOOTH DR	Arterial	ACP	46	517	2,644	9.2	8.3	9.0	10.0	10.0	10.0	10.0	10.0	10.0
151	171979	6000	70	COLORADO BD	BOOTH DR	WIDCH	Arterial	ACP	56	123	763	10.0	7.5	8.6	10.0	10.0	10.0	10.0	10.0	10.0
152	171980	6000	80	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	48	1,100	5,869	8.1	8.0	8.8	10.0	10.0	10.0	10.0	10.0	10.0
153	171981	6000	90	COLORADO BD	WIDCH	BOOTH DR	Arterial	ACP	63	189	1,325	7.9	8.0	8.7	10.0	10.0	10.0	10.0	9.7	10.0

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)
154	171982	6000	100	COLORADO BD	BOOTH DR	WIDCH	Arterial	ACP	67	319	2,372	51	94	94	73	7/1/2014	Strong	Very Good	32	17
155	171983	6000	110	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	58	898	5,787	59	92	96	76	7/1/2014	Strong	Very Good	23	18
156	171984	6000	120	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	72	106	845	60	68	94	71	7/1/2014	Strong	Very Good	12	28
157	171985	6000	130	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	62	555	3,821	69	73	90	75	7/1/2014	Strong	Very Good	11	20
158	171986	6000	140	COLORADO BD	WIDCH	FIRESTONE BD	Arterial	ACP	68	317	2,394	69	45	90	68	7/1/2014	Strong	Good	12	20
159	171987	6000	150	COLORADO BD	FIRESTONE BD	WIDCH	Arterial	ACP	68	158	1,197	75	54	89	73	7/1/2014	Strong	Very Good	10	15
160	171988	6000	160	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	74	264	2,171	77	77	93	81	7/1/2014	Strong	Very Good	0	23
161	171989	6000	170	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	62	370	2,547	62	71	92	72	7/1/2014	Strong	Very Good	13	25
162	171990	6000	180	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	49	158	863	53	69	89	66	7/1/2014	Strong	Good	27	20
163	171991	6000	190	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	39	1,162	5,035	46	87	87	66	7/1/2014	Strong	Good	33	21
164	171992	6000	200	COLORADO BD	WIDCH	NCL	Arterial	ACP	24	3,286	8,761	46	73	59	56	7/1/2014	Moderate	Fair	32	22
599	171993	6100	10	COLUMBINE ST	TWILIGHT AV	OAK MEADOWS BD	Local	ACP	33	551	2,020	68	70	70	69	7/1/2014	Moderate	Good	14	17
165	171994	6100	20	COLUMBINE ST	OAK MEADOWS BD	MOUNTAIN SHADOWS BD	Local	ACP	33	634	2,323	95	85	70	86	7/1/2014	Moderate	Excellent	1	5
166	171995	6100	30	COLUMBINE ST	MOUNTAIN SHADOWS BD	END	Local	ACP	33	162	592	89	76	70	81	7/1/2014	Moderate	Very Good	0	11
168	171999	6200	10	DAHLIA ST	SNOWBERRY AV	CDS	Local	ACP	38	305	1,286	90	71	70	80	7/1/2014	Moderate	Very Good	7	2
169	172000	6300	10	DAISY CT	CDS	VALLEY VISTA AV	Local	ACP	43	289	1,379	88	70	70	79	7/1/2014	Moderate	Very Good	0	12
170	172001	6300	20	DAISY CT	VIEWPOINT AV	CDS	Local	ACP	43	343	1,640	90	70	93	86	7/1/2014	Strong	Excellent	0	11
171	172002	6400	10	DAISY ST	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	33	709	2,600	79	72	53	71	7/1/2014	Moderate	Very Good	8	13
172	172003	6500	10	DEERFIELD DR	ULYSSES AV	OAK MEADOWS BD	Local	ACP	33	210	770	67	41	41	54	7/1/2014	Weak	Fair	13	20
173	172004	6500	20	DEERFIELD DR	OAK MEADOWS BD	VALLEY VISTA AV	Local	ACP	33	414	1,516	65	78	50	64	7/1/2014	Moderate	Good	14	21
174	172005	6500	30	DEERFIELD DR	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	33	496	1,819	89	79	35	73	7/1/2014	Weak	Very Good	2	9
175	172006	6500	40	DEERFIELD DR	VIEWPOINT AV	DOVER ST	Local	ACP	33	547	2,005	81	65	51	70	7/1/2014	Moderate	Good	1	18
176	172007	6500	50	DEERFIELD DR	DOVER ST	VIEWPOINT AV	Local	ACP	37	803	3,301	68	68	41	61	7/1/2014	Weak	Good	11	21
177	172008	6500	60	DEERFIELD DR	VIEWPOINT AV	VALLEY VISTA AV	Local	ACP	37	255	1,049	92	77	41	75	7/1/2014	Weak	Very Good	0	8
611	173892	6600	10	DEERFIELD ST	SPARROW AV	CUL DE SAC	Local	ACP	39	252	1,094	55	61	70	60	7/1/2014	Moderate	Good	29	17
588	173893	6700	10	DEERFIELD ST	SADDLEBACK AV	DEVONSHIRE ST	Local	ACP	33	1,391	5,099	86	67	70	77	7/1/2014	Moderate	Very Good	2	12
178	172012	6800	10	DEVONSHIRE ST	SABLE AV	SADDLEBACK AV	Collector	ACP	47	258	1,345	53	31	70	52	7/1/2014	Moderate	Fair	22	25
179	172013	6800	20	DEVONSHIRE ST	SADDLEBACK AV	SAGE AV	Collector	ACP	37	377	1,548	60	56	70	62	7/1/2014	Moderate	Good	15	25
180	172014	6800	30	DEVONSHIRE ST	SAGE AV	DEERFIELD ST	Collector	ACP	33	563	2,064	61	70	70	66	7/1/2014	Moderate	Good	16	23
181	172015	6800	40	DEVONSHIRE ST	DEERFIELD ST	SHENANDOAH AV	Collector	ACP	33	503	1,845	59	71	70	65	7/1/2014	Moderate	Good	15	26
182	172016	6800	50	DEVONSHIRE ST	SHENANDOAH AV	SNOWBERRY AV	Collector	ACP	33	467	1,711	59	51	70	59	7/1/2014	Moderate	Fair	19	22
183	172017	6800	60	DEVONSHIRE ST	SNOWBERRY AV	SPARROW AV	Collector	ACP	33	258	946	66	62	70	66	7/1/2014	Moderate	Good	14	20
184	172018	6800	70	DEVONSHIRE ST	SPARROW AV	STAGECOACH AV	Collector	ACP	33	245	900	53	44	70	55	7/1/2014	Moderate	Fair	28	19
185	172019	6800	80	DEVONSHIRE ST	STAGECOACH AV	TAYLOR AV	Collector	ACP	33	403	1,477	87	68	70	78	7/1/2014	Moderate	Very Good	5	9
186	172020	6900	10	DOGWOOD ST	SAGE AV	SHENANDOAH AV	Local	ACP	33	1,012	3,710	91	73	70	81	7/1/2014	Moderate	Very Good	0	9
187	172021	7000	10	DOVER ST	SAGE AV	SHENANDOAH AV	Local	ACP	33	1,003	3,678	86	67	70	77	7/1/2014	Moderate	Very Good	0	15
622	172022	7100	10	DOVER ST	TWILIGHT AV	UNION AV	Local	ACP	33	256	939	95	85	74	87	7/1/2014	Moderate	Excellent	0	5
188	172023	7100	20	DOVER ST	UNION AV	UTICA AV	Local	ACP	33	256	939	87	71	74	80	7/1/2014	Moderate	Very Good	1	12
189	172024	7100	30	DOVER ST	UTICA AV	VALLEY VISTA AV	Local	ACP	33	256	939	98	89	98	96	7/1/2014	Strong	Excellent	0	3
190	172025	7100	40	DOVER ST	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	33	256	939	90	70	95	86	7/1/2014	Strong	Excellent	0	10
333	173241	7100	50	DOVER ST	VIEWPOINT AV	DEERFIELD DR	Local	ACP	33	254	933	89	79	70	82	7/1/2014	Moderate	Very Good	3	9
191	172026	7200	10	DRESDEN ST	CDS	SHENANDOAH AV	Local	ACP	38	718	3,032	74	64	70	71	7/1/2014	Moderate	Very Good	5	21

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
154	171982	6000	100	COLORADO BD	BOOTH DR	WIDCH	Arterial	ACP	67	319	2,372	1670	5	2,194	15,219	73	Strong	Arterial	ACP
155	171983	6000	110	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	58	898	5,787	1670	5	2,194	15,219	73	Strong	Arterial	ACP
156	171984	6000	120	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	72	106	845	1670	5	2,194	15,219	73	Strong	Arterial	ACP
157	171985	6000	130	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	62	555	3,821	1670	5	2,194	15,219	73	Strong	Arterial	ACP
158	171986	6000	140	COLORADO BD	WIDCH	FIRESTONE BD	Arterial	ACP	68	317	2,394	1670	5	2,194	15,219	73	Strong	Arterial	ACP
159	171987	6000	150	COLORADO BD	FIRESTONE BD	WIDCH	Arterial	ACP	68	158	1,197	1680	5	2,113	11,814	70	Strong	Arterial	ACP
160	171988	6000	160	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	74	264	2,171	1680	5	2,113	11,814	70	Strong	Arterial	ACP
161	171989	6000	170	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	62	370	2,547	1680	5	2,113	11,814	70	Strong	Arterial	ACP
162	171990	6000	180	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	49	158	863	1680	5	2,113	11,814	70	Strong	Arterial	ACP
163	171991	6000	190	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	39	1,162	5,035	1680	5	2,113	11,814	70	Strong	Arterial	ACP
164	171992	6000	200	COLORADO BD	WIDCH	NCL	Arterial	ACP	24	3,286	8,761	1690	1	3,286	8,761	55	Moderate	Arterial	ACP
599	171993	6100	10	COLUMBINE ST	TWILIGHT AV	OAK MEADOWS BD	Local	ACP	33	551	2,020	1700	3	1,346	4,935	78	Moderate	Local	ACP
165	171994	6100	20	COLUMBINE ST	OAK MEADOWS BD	MOUNTAIN SHADOWS BD	Local	ACP	33	634	2,323	1700	3	1,346	4,935	78	Moderate	Local	ACP
166	171995	6100	30	COLUMBINE ST	MOUNTAIN SHADOWS BD	END	Local	ACP	33	162	592	1700	3	1,346	4,935	78	Moderate	Local	ACP
168	171999	6200	10	DAHLIA ST	SNOWBERRY AV	CDS	Local	ACP	38	305	1,286	1710	1	305	1,286	80	Moderate	Local	ACP
169	172000	6300	10	DAISY CT	CDS	VALLEY VISTA AV	Local	ACP	43	289	1,379	1720	2	632	3,019	82	Strong	Local	ACP
170	172001	6300	20	DAISY CT	VIEWPOINT AV	CDS	Local	ACP	43	343	1,640	1720	2	632	3,019	82	Strong	Local	ACP
171	172002	6400	10	DAISY ST	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	33	709	2,600	1730	1	709	2,600	70	Moderate	Local	ACP
172	172003	6500	10	DEERFIELD DR	ULYSSES AV	OAK MEADOWS BD	Local	ACP	33	210	770	1740	2	624	2,287	60	Moderate	Local	ACP
173	172004	6500	20	DEERFIELD DR	OAK MEADOWS BD	VALLEY VISTA AV	Local	ACP	33	414	1,516	1740	2	624	2,287	60	Moderate	Local	ACP
174	172005	6500	30	DEERFIELD DR	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	33	496	1,819	1750	4	2,101	8,175	67	Weak	Local	ACP
175	172006	6500	40	DEERFIELD DR	VIEWPOINT AV	DOVER ST	Local	ACP	33	547	2,005	1750	4	2,101	8,175	67	Weak	Local	ACP
176	172007	6500	50	DEERFIELD DR	DOVER ST	VIEWPOINT AV	Local	ACP	37	803	3,301	1750	4	2,101	8,175	67	Weak	Local	ACP
177	172008	6500	60	DEERFIELD DR	VIEWPOINT AV	VALLEY VISTA AV	Local	ACP	37	255	1,049	1750	4	2,101	8,175	67	Weak	Local	ACP
611	173892	6600	10	DEERFIELD ST	SPARROW AV	CUL DE SAC	Local	ACP	39	252	1,094	1760	1	252	1,094	59	Moderate	Local	ACP
588	173893	6700	10	DEERFIELD ST	SADDLEBACK AV	DEVONSHIRE ST	Local	ACP	33	1,391	5,099	1770	1	1,391	5,099	77	Moderate	Local	ACP
178	172012	6800	10	DEVONSHIRE ST	SABLE AV	SADDLEBACK AV	Collector	ACP	47	258	1,345	1780	4	1,700	6,803	61	Moderate	Collector	ACP
179	172013	6800	20	DEVONSHIRE ST	SADDLEBACK AV	SAGE AV	Collector	ACP	37	377	1,548	1780	4	1,700	6,803	61	Moderate	Collector	ACP
180	172014	6800	30	DEVONSHIRE ST	SAGE AV	DEERFIELD ST	Collector	ACP	33	563	2,064	1780	4	1,700	6,803	61	Moderate	Collector	ACP
181	172015	6800	40	DEVONSHIRE ST	DEERFIELD ST	SHENANDOAH AV	Collector	ACP	33	503	1,845	1780	4	1,700	6,803	61	Moderate	Collector	ACP
182	172016	6800	50	DEVONSHIRE ST	SHENANDOAH AV	SNOWBERRY AV	Collector	ACP	33	467	1,711	1790	4	1,373	5,034	65	Moderate	Collector	ACP
183	172017	6800	60	DEVONSHIRE ST	SNOWBERRY AV	SPARROW AV	Collector	ACP	33	258	946	1790	4	1,373	5,034	65	Moderate	Collector	ACP
184	172018	6800	70	DEVONSHIRE ST	SPARROW AV	STAGECOACH AV	Collector	ACP	33	245	900	1790	4	1,373	5,034	65	Moderate	Collector	ACP
185	172019	6800	80	DEVONSHIRE ST	STAGECOACH AV	TAYLOR AV	Collector	ACP	33	403	1,477	1790	4	1,373	5,034	65	Moderate	Collector	ACP
186	172020	6900	10	DOGWOOD ST	SAGE AV	SHENANDOAH AV	Local	ACP	33	1,012	3,710	1800	1	1,012	3,710	81	Moderate	Local	ACP
187	172021	7000	10	DOVER ST	SAGE AV	SHENANDOAH AV	Local	ACP	33	1,003	3,678	1810	1	1,003	3,678	77	Moderate	Local	ACP
622	172022	7100	10	DOVER ST	TWILIGHT AV	UNION AV	Local	ACP	33	256	939	1820	5	1,278	4,687	86	Moderate	Local	ACP
188	172023	7100	20	DOVER ST	UNION AV	UTICA AV	Local	ACP	33	256	939	1820	5	1,278	4,687	86	Moderate	Local	ACP
189	172024	7100	30	DOVER ST	UTICA AV	VALLEY VISTA AV	Local	ACP	33	256	939	1820	5	1,278	4,687	86	Moderate	Local	ACP
190	172025	7100	40	DOVER ST	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	33	256	939	1820	5	1,278	4,687	86	Moderate	Local	ACP
333	173241	7100	50	DOVER ST	VIEWPOINT AV	DEERFIELD DR	Local	ACP	33	254	933	1820	5	1,278	4,687	86	Moderate	Local	ACP
191	172026	7200	10	DRESDEN ST	CDS	SHENANDOAH AV	Local	ACP	38	718	3,032	1830	1	718	3,032	70	Moderate	Local	ACP

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
154	171982	6000	100	COLORADO BD	BOOTH DR	WIDCH	Arterial	ACP	67	319	2,372	8.0	7.9	8.7	10.0	10.0	10.0	10.0	10.0	10.0
155	171983	6000	110	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	58	898	5,787	9.0	7.7	8.6	10.0	10.0	10.0	10.0	10.0	10.0
156	171984	6000	120	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	72	106	845	10.0	6.7	8.8	10.0	10.0	10.0	10.0	9.8	10.0
157	171985	6000	130	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	62	555	3,821	10.0	7.7	8.9	10.0	10.0	10.0	10.0	9.7	10.0
158	171986	6000	140	COLORADO BD	WIDCH	FIRESTONE BD	Arterial	ACP	68	317	2,394	10.0	8.4	8.8	10.0	10.0	10.0	10.0	8.7	10.0
159	171987	6000	150	COLORADO BD	FIRESTONE BD	WIDCH	Arterial	ACP	68	158	1,197	10.0	8.3	9.0	10.0	10.0	10.0	10.0	9.7	10.0
160	171988	6000	160	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	74	264	2,171	10.0	7.3	10.0	10.0	10.0	10.0	10.0	9.7	10.0
161	171989	6000	170	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	62	370	2,547	10.0	7.1	8.9	10.0	10.0	10.0	10.0	9.7	9.8
162	171990	6000	180	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	49	158	863	8.4	7.7	8.9	10.0	10.0	10.0	10.0	9.7	9.8
163	171991	6000	190	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	39	1,162	5,035	7.9	7.4	8.7	10.0	10.0	10.0	9.8	10.0	10.0
164	171992	6000	200	COLORADO BD	WIDCH	NCL	Arterial	ACP	24	3,286	8,761	9.5	8.0	7.8	10.0	8.8	9.8	10.0	9.8	9.6
599	171993	6100	10	COLUMBINE ST	TWILIGHT AV	OAK MEADOWS BD	Local	ACP	33	551	2,020	10.0	8.1	8.7	10.0	10.0	10.0	10.0	9.6	9.9
165	171994	6100	20	COLUMBINE ST	OAK MEADOWS BD	MOUNTAIN SHADOWS BD	Local	ACP	33	634	2,323	10.0	9.7	10.0	10.0	10.0	10.0	10.0	9.6	9.9
166	171995	6100	30	COLUMBINE ST	MOUNTAIN SHADOWS BD	END	Local	ACP	33	162	592	10.0	8.8	10.0	10.0	10.0	10.0	10.0	9.6	10.0
168	171999	6200	10	DAHLIA ST	SNOWBERRY AV	CDS	Local	ACP	38	305	1,286	10.0	10.0	10.0	10.0	10.0	9.6	10.0	9.6	9.4
169	172000	6300	10	DAISY CT	CDS	VALLEY VISTA AV	Local	ACP	43	289	1,379	10.0	8.7	10.0	10.0	10.0	10.0	10.0	9.6	10.0
170	172001	6300	20	DAISY CT	VIEWPOINT AV	CDS	Local	ACP	43	343	1,640	10.0	9.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
171	172002	6400	10	DAISY ST	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	33	709	2,600	10.0	8.6	10.0	10.0	10.0	8.8	10.0	9.7	10.0
172	172003	6500	10	DEERFIELD DR	ULYSSES AV	OAK MEADOWS BD	Local	ACP	33	210	770	10.0	7.9	9.0	10.0	10.0	9.6	9.7	9.6	10.0
173	172004	6500	20	DEERFIELD DR	OAK MEADOWS BD	VALLEY VISTA AV	Local	ACP	33	414	1,516	10.0	7.6	8.6	10.0	10.0	10.0	10.0	9.7	10.0
174	172005	6500	30	DEERFIELD DR	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	33	496	1,819	10.0	9.1	10.0	10.0	10.0	9.8	10.0	9.6	9.9
175	172006	6500	40	DEERFIELD DR	VIEWPOINT AV	DOVER ST	Local	ACP	33	547	2,005	10.0	8.1	10.0	10.0	10.0	9.9	10.0	9.6	10.0
176	172007	6500	50	DEERFIELD DR	DOVER ST	VIEWPOINT AV	Local	ACP	37	803	3,301	10.0	7.6	8.9	10.0	10.0	10.0	10.0	9.7	10.0
177	172008	6500	60	DEERFIELD DR	VIEWPOINT AV	VALLEY VISTA AV	Local	ACP	37	255	1,049	10.0	9.4	10.0	10.0	10.0	10.0	9.8	9.6	10.0
611	173892	6600	10	DEERFIELD ST	SPARROW AV	CUL DE SAC	Local	ACP	39	252	1,094	8.2	8.1	8.8	10.0	10.0	10.0	10.0	9.7	10.0
588	173893	6700	10	DEERFIELD ST	SADDLEBACK AV	DEVONSHIRE ST	Local	ACP	33	1,391	5,099	10.0	8.8	10.0	10.0	10.0	10.0	10.0	9.5	9.7
178	172012	6800	10	DEVONSHIRE ST	SABLE AV	SADDLEBACK AV	Collector	ACP	47	258	1,345	10.0	7.1	8.9	10.0	10.0	10.0	10.0	9.6	8.6
179	172013	6800	20	DEVONSHIRE ST	SADDLEBACK AV	SAGE AV	Collector	ACP	37	377	1,548	10.0	7.1	8.5	10.0	10.0	10.0	10.0	9.6	10.0
180	172014	6800	30	DEVONSHIRE ST	SAGE AV	DEERFIELD ST	Collector	ACP	33	563	2,064	10.0	7.4	8.4	10.0	10.0	10.0	10.0	9.7	10.0
181	172015	6800	40	DEVONSHIRE ST	DEERFIELD ST	SHENANDOAH AV	Collector	ACP	33	503	1,845	10.0	7.0	8.6	10.0	10.0	9.9	10.0	9.7	10.0
182	172016	6800	50	DEVONSHIRE ST	SHENANDOAH AV	SNOWBERRY AV	Collector	ACP	33	467	1,711	10.0	7.5	8.6	10.0	10.0	9.9	10.0	9.6	9.5
183	172017	6800	60	DEVONSHIRE ST	SNOWBERRY AV	SPARROW AV	Collector	ACP	33	258	946	10.0	7.8	8.6	10.0	10.0	10.0	10.0	9.6	10.0
184	172018	6800	70	DEVONSHIRE ST	SPARROW AV	STAGECOACH AV	Collector	ACP	33	245	900	8.7	7.8	9.1	10.0	10.0	9.5	10.0	9.7	9.6
185	172019	6800	80	DEVONSHIRE ST	STAGECOACH AV	TAYLOR AV	Collector	ACP	33	403	1,477	10.0	9.2	10.0	10.0	10.0	9.9	10.0	9.6	9.5
186	172020	6900	10	DOGWOOD ST	SAGE AV	SHENANDOAH AV	Local	ACP	33	1,012	3,710	10.0	9.1	10.0	10.0	10.0	10.0	10.0	9.6	10.0
187	172021	7000	10	DOVER ST	SAGE AV	SHENANDOAH AV	Local	ACP	33	1,003	3,678	10.0	8.5	10.0	10.0	10.0	10.0	10.0	9.6	10.0
622	172022	7100	10	DOVER ST	TWILIGHT AV	UNION AV	Local	ACP	33	256	939	10.0	9.7	10.0	10.0	10.0	10.0	10.0	9.6	10.0
188	172023	7100	20	DOVER ST	UNION AV	UTICA AV	Local	ACP	33	256	939	10.0	8.7	10.0	10.0	10.0	10.0	10.0	9.6	9.9
189	172024	7100	30	DOVER ST	UTICA AV	VALLEY VISTA AV	Local	ACP	33	256	939	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
190	172025	7100	40	DOVER ST	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	33	256	939	10.0	9.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
333	173241	7100	50	DOVER ST	VIEWPOINT AV	DEERFIELD DR	Local	ACP	33	254	933	10.0	9.1	10.0	10.0	10.0	10.0	10.0	9.7	9.6
191	172026	7200	10	DRESDEN ST	CDS	SHENANDOAH AV	Local	ACP	38	718	3,032	10.0	7.7	10.0	10.0	10.0	9.4	10.0	9.6	10.0

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)
192	172027	7300	10	DRESDEN ST	NAME CHANGE	SPARROW AV	Local	ACP	33	218	799	73	52	70	67	7/1/2014	Moderate	Good	13	14
193	172028	7300	20	DRESDEN ST	SPARROW AV	STAGECOACH AV	Local	ACP	33	276	1,011	92	77	70	83	7/1/2014	Moderate	Very Good	3	5
194	172029	7300	30	DRESDEN ST	STAGECOACH AV	SUNBURST AV	Local	ACP	33	446	1,637	64	58	70	64	7/1/2014	Moderate	Good	29	6
195	172030	7400	10	DUSK ST	SHENANDOAH AV	CDS	Local	ACP	38	682	2,880	61	48	70	60	7/1/2014	Moderate	Fair	12	27
196	172034	7500	10	EASTVIEW AV	SAGE AV	SANDY RIDGE CT	Local	ACP	33	146	536	57	43	70	57	7/1/2014	Moderate	Fair	20	23
197	172035	7500	20	EASTVIEW AV	SANDY RIDGE CT	SHENANDOAH AV	Local	ACP	33	511	1,872	77	58	70	71	7/1/2014	Moderate	Very Good	0	23
198	172036	7500	30	EASTVIEW AV	SHENANDOAH AV	SILVERLEAF CT	Local	ACP	33	279	1,023	70	63	70	68	7/1/2014	Moderate	Good	0	30
613	172037	7500	40	EASTVIEW AV	SILVERLEAF CT	ST VRAIN RANCH BD	Local	ACP	33	481	1,762	76	60	70	70	7/1/2014	Moderate	Very Good	0	24
199	172038	7600	10	EBONY ST	THISTLE RIDGE AV	THUNDERHILL AV	Local	ACP	33	482	1,767	80	61	70	73	7/1/2014	Moderate	Very Good	0	20
200	172039	7600	20	EBONY ST	THUNDERHILL AV	TILBURY AV	Local	ACP	33	300	1,099	63	75	70	68	7/1/2014	Moderate	Good	15	22
201	172040	7600	30	EBONY ST	TILBURY AV	ECHO ST	Local	ACP	33	494	1,810	61	61	75	65	7/1/2014	Strong	Good	16	23
202	172041	7700	10	EBONY ST	BEGIN	UNION AV	Local	ACP	33	104	382	97	88	74	89	7/1/2014	Moderate	Excellent	0	3
330	173113	7700	20	EBONY ST	UNION AV	UTICA AV	Local	ACP	33	247	905	87	68	74	79	7/1/2014	Moderate	Very Good	0	13
203	172042	7700	30	EBONY ST	UTICA AV	VALLEY VISTA AV	Local	ACP	33	256	939	69	65	73	69	7/1/2014	Moderate	Good	13	18
204	172043	7700	40	EBONY ST	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	33	253	927	72	83	74	75	7/1/2014	Moderate	Very Good	12	16
205	172044	7700	50	EBONY ST	VIEWPOINT AV	CDS	Local	ACP	39	666	2,888	89	72	74	81	7/1/2014	Moderate	Very Good	0	11
206	172045	7800	10	ECHO CI	SHENANDOAH AV	SHENANDOAH AV	Local	ACP	33	1,458	5,347	68	59	70	66	7/1/2014	Moderate	Good	11	21
207	172046	7900	10	ECHO CT	STAGECOACH AV	CDS	Local	ACP	41	148	673	64	36	70	59	7/1/2014	Moderate	Fair	14	21
208	172047	8000	10	ECHO ST	CUL DE SAC	ELDRIDGE ST	Local	ACP	41	275	1,253	69	58	73	67	7/1/2014	Moderate	Good	9	21
209	172048	8000	20	ECHO ST	ELDRIDGE ST	THISTLE RIDGE AV	Local	ACP	33	561	2,055	64	67	40	59	7/1/2014	Weak	Fair	12	24
210	172049	8100	10	ECHO ST	THISTLE RIDGE AV	THUNDERHILL AV	Local	ACP	33	482	1,767	61	53	46	55	7/1/2014	Moderate	Fair	18	21
211	172050	8100	20	ECHO ST	THUNDERHILL AV	TILBURY AV	Local	ACP	37	273	1,124	60	63	90	68	7/1/2014	Strong	Good	17	23
212	172051	8100	30	ECHO ST	TILBURY AV	EBONY ST	Local	ACP	33	277	1,017	60	61	84	66	7/1/2014	Strong	Good	17	23
213	172052	8100	40	ECHO ST	EBONY ST	FIRESTONE BD	Local	ACP	33	283	1,037	59	52	89	65	7/1/2014	Strong	Good	18	23
214	172053	8200	10	ELDRIDGE ST	ECHO ST	THISTLE RIDGE AV	Local	ACP	33	760	2,788	68	51	70	64	7/1/2014	Moderate	Good	11	21
215	172054	8300	10	FALCON CT	QUINCY AV	CUL DE SAC	Local	ACP	37	270	1,112	81	63	70	74	7/1/2014	Moderate	Very Good	7	11
216	172055	8400	10	FALCON ST	SAGE AV	SHENANDOAH AV	Local	ACP	33	312	1,146	74	75	70	73	7/1/2014	Moderate	Very Good	23	4
217	172056	8400	20	FALCON ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	33	770	2,823	65	74	70	68	7/1/2014	Moderate	Good	13	23
218	172057	8500	10	FALCON ST	ST VRAIN RANCH BD	STAGECOACH AV	Local	ACP	33	340	1,247	73	52	70	67	7/1/2014	Moderate	Good	15	12
219	172058	8500	20	FALCON ST	STAGECOACH AV	CUL DE SAC	Local	ACP	54	87	525	50	48	70	55	7/1/2014	Moderate	Fair	26	23
220	172059	8600	10	FALCON ST	TILBURY AV	FIRESTONE BD	Local	ACP	51	524	2,969	86	67	73	78	7/1/2014	Moderate	Very Good	0	14
221	172060	8700	10	FARMDALE ST	BEGIN	MC CLURE AV	Local	ACP	33	126	463	97	88	70	88	7/1/2014	Moderate	Excellent	0	3
222	172061	8700	20	FARMDALE ST	MC CLURE AV	FLORENCE AV	Local	ACP	33	261	957	86	67	70	77	7/1/2014	Moderate	Very Good	0	14
223	172062	8700	30	FARMDALE ST	FLORENCE AV	BERWICK AV	Local	ACP	33	254	933	87	32	71	69	7/1/2014	Moderate	Good	7	6
225	172064	8800	10	FARMDALE ST	SAGE AV	SHENANDOAH AV	Local	ACP	33	267	978	97	89	70	88	7/1/2014	Moderate	Excellent	0	3
583	173060	8800	20	FARMDALE ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	33	827	3,033	67	65	70	67	7/1/2014	Moderate	Good	19	14
226	172065	8900	10	FARMDALE ST	SUNBURST AV	TENDERFOOT AV	Local	ACP	33	747	2,741	59	75	70	66	7/1/2014	Moderate	Good	19	22
227	172066	9000	10	FERNCREST ST	CDS	FOREST ST	Local	ACP	40	333	1,481	98	89	70	89	7/1/2014	Moderate	Excellent	0	2
228	172067	9000	20	FERNCREST ST	FOREST ST	PURDUE AV	Local	ACP	33	529	1,941	93	80	70	84	7/1/2014	Moderate	Very Good	1	6
229	172068	9100	10	FERNCREST ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	33	798	2,924	70	69	70	70	7/1/2014	Moderate	Good	13	17
230	172069	9200	10	FERNCREST ST	SUNBURST AV	TENDERFOOT AV	Local	ACP	33	750	2,748	87	68	70	78	7/1/2014	Moderate	Very Good	6	7
231	172070	9300	10	FIRESTONE BD	SH 25	URBDRY	Arterial	PCC	77	346	2,960	96	87	100	95	7/1/2014	Strong	Excellent	0	0

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
192	172027	7300	10	DRESDEN ST	NAME CHANGE	SPARROW AV	Local	ACP	33	218	799	1840	3	940	3,447	70	Moderate	Local	ACP
193	172028	7300	20	DRESDEN ST	SPARROW AV	STAGECOACH AV	Local	ACP	33	276	1,011	1840	3	940	3,447	70	Moderate	Local	ACP
194	172029	7300	30	DRESDEN ST	STAGECOACH AV	SUNBURST AV	Local	ACP	33	446	1,637	1840	3	940	3,447	70	Moderate	Local	ACP
195	172030	7400	10	DUSK ST	SHENANDOAH AV	CDS	Local	ACP	38	682	2,880	1850	1	682	2,880	59	Moderate	Local	ACP
196	172034	7500	10	EASTVIEW AV	SAGE AV	SANDY RIDGE CT	Local	ACP	33	146	536	1860	2	657	2,408	67	Moderate	Local	ACP
197	172035	7500	20	EASTVIEW AV	SANDY RIDGE CT	SHENANDOAH AV	Local	ACP	33	511	1,872	1860	2	657	2,408	67	Moderate	Local	ACP
198	172036	7500	30	EASTVIEW AV	SHENANDOAH AV	SILVERLEAF CT	Local	ACP	33	279	1,023	1870	2	760	2,785	69	Moderate	Local	ACP
613	172037	7500	40	EASTVIEW AV	SILVERLEAF CT	ST VRAIN RANCH BD	Local	ACP	33	481	1,762	1870	2	760	2,785	69	Moderate	Local	ACP
199	172038	7600	10	EBONY ST	THUNDERHILL AV	THUNDERHILL AV	Local	ACP	33	482	1,767	1880	3	1,275	4,677	68	Moderate	Local	ACP
200	172039	7600	20	EBONY ST	THUNDERHILL AV	TILBURY AV	Local	ACP	33	300	1,099	1880	3	1,275	4,677	68	Moderate	Local	ACP
201	172040	7600	30	EBONY ST	TILBURY AV	ECHO ST	Local	ACP	33	494	1,810	1880	3	1,275	4,677	68	Moderate	Local	ACP
202	172041	7700	10	EBONY ST	BEGIN	UNION AV	Local	ACP	33	104	382	1890	5	1,526	6,041	78	Moderate	Local	ACP
330	173113	7700	20	EBONY ST	UNION AV	UTICA AV	Local	ACP	33	247	905	1890	5	1,526	6,041	78	Moderate	Local	ACP
203	172042	7700	30	EBONY ST	UTICA AV	VALLEY VISTA AV	Local	ACP	33	256	939	1890	5	1,526	6,041	78	Moderate	Local	ACP
204	172043	7700	40	EBONY ST	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	33	253	927	1890	5	1,526	6,041	78	Moderate	Local	ACP
205	172044	7700	50	EBONY ST	VIEWPOINT AV	CDS	Local	ACP	39	666	2,888	1890	5	1,526	6,041	78	Moderate	Local	ACP
206	172045	7800	10	ECHO CI	SHENANDOAH AV	SHENANDOAH AV	Local	ACP	33	1,458	5,347	1900	1	1,458	5,347	66	Moderate	Local	ACP
207	172046	7900	10	ECHO CT	STAGECOACH AV	CDS	Local	ACP	41	148	673	1910	1	148	673	58	Moderate	Local	ACP
208	172047	8000	10	ECHO ST	CUL DE SAC	ELDRIDGE ST	Local	ACP	41	275	1,253	1920	2	836	3,308	61	Weak	Local	ACP
209	172048	8000	20	ECHO ST	ELDRIDGE ST	THISTLE RIDGE AV	Local	ACP	33	561	2,055	1920	2	836	3,308	61	Weak	Local	ACP
210	172049	8100	10	ECHO ST	THISTLE RIDGE AV	THUNDERHILL AV	Local	ACP	33	482	1,767	1930	4	1,316	4,945	62	Strong	Local	ACP
211	172050	8100	20	ECHO ST	THUNDERHILL AV	TILBURY AV	Local	ACP	37	273	1,124	1930	4	1,316	4,945	62	Strong	Local	ACP
212	172051	8100	30	ECHO ST	TILBURY AV	EBONY ST	Local	ACP	33	277	1,017	1930	4	1,316	4,945	62	Strong	Local	ACP
213	172052	8100	40	ECHO ST	EBONY ST	FIRESTONE BD	Local	ACP	33	283	1,037	1930	4	1,316	4,945	62	Strong	Local	ACP
214	172053	8200	10	ELDRIDGE ST	ECHO ST	THISTLE RIDGE AV	Local	ACP	33	760	2,788	1940	1	760	2,788	63	Moderate	Local	ACP
215	172054	8300	10	FALCON CT	QUINCY AV	CUL DE SAC	Local	ACP	37	270	1,112	1950	1	270	1,112	74	Moderate	Local	ACP
216	172055	8400	10	FALCON ST	SAGE AV	SHENANDOAH AV	Local	ACP	33	312	1,146	1960	2	1,082	3,969	69	Moderate	Local	ACP
217	172056	8400	20	FALCON ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	33	770	2,823	1960	2	1,082	3,969	69	Moderate	Local	ACP
218	172057	8500	10	FALCON ST	ST VRAIN RANCH BD	STAGECOACH AV	Local	ACP	33	340	1,247	1970	2	428	1,772	63	Moderate	Local	ACP
219	172058	8500	20	FALCON ST	STAGECOACH AV	CUL DE SAC	Local	ACP	54	87	525	1970	2	428	1,772	63	Moderate	Local	ACP
220	172059	8600	10	FALCON ST	TILBURY AV	FIRESTONE BD	Local	ACP	51	524	2,969	1980	1	524	2,969	77	Moderate	Local	ACP
221	172060	8700	10	FARMDALE ST	BEGIN	MC CLURE AV	Local	ACP	33	126	463	1990	3	642	2,353	76	Moderate	Local	ACP
222	172061	8700	20	FARMDALE ST	MC CLURE AV	FLORENCE AV	Local	ACP	33	261	957	1990	3	642	2,353	76	Moderate	Local	ACP
223	172062	8700	30	FARMDALE ST	FLORENCE AV	BERWICK AV	Local	ACP	33	254	933	1990	3	642	2,353	76	Moderate	Local	ACP
225	172064	8800	10	FARMDALE ST	SAGE AV	SHENANDOAH AV	Local	ACP	33	267	978	2000	2	1,094	4,011	72	Moderate	Local	ACP
583	173060	8800	20	FARMDALE ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	33	827	3,033	2000	2	1,094	4,011	72	Moderate	Local	ACP
226	172065	8900	10	FARMDALE ST	SUNBURST AV	TENDERFOOT AV	Local	ACP	33	747	2,741	2010	1	747	2,741	65	Moderate	Local	ACP
227	172066	9000	10	FERNCREST ST	CDS	FOREST ST	Local	ACP	40	333	1,481	2020	2	863	3,423	86	Moderate	Local	ACP
228	172067	9000	20	FERNCREST ST	FOREST ST	PURDUE AV	Local	ACP	33	529	1,941	2020	2	863	3,423	86	Moderate	Local	ACP
229	172068	9100	10	FERNCREST ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	33	798	2,924	2030	1	798	2,924	69	Moderate	Local	ACP
230	172069	9200	10	FERNCREST ST	SUNBURST AV	TENDERFOOT AV	Local	ACP	33	750	2,748	2040	1	750	2,748	78	Moderate	Local	ACP
231	172070	9300	10	FIRESTONE BD	SH 25	URBDRY	Arterial	PCC	77	346	2,960	2050	2	587	5,074	95	Strong	Arterial	PCC

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
192	172027	7300	10	DRESDEN ST	NAME CHANGE	SPARROW AV	Local	ACP	33	218	799	10.0	8.5	8.9	10.0	10.0	10.0	10.0	9.6	9.8
193	172028	7300	20	DRESDEN ST	SPARROW AV	STAGECOACH AV	Local	ACP	33	276	1,011	10.0	9.6	10.0	10.0	10.0	10.0	9.6	10.0	9.6
194	172029	7300	30	DRESDEN ST	STAGECOACH AV	SUNBURST AV	Local	ACP	33	446	1,637	10.0	9.6	10.0	10.0	10.0	10.0	10.0	9.5	6.3
195	172030	7400	10	DUSK ST	SHENANDOAH AV	CDS	Local	ACP	38	682	2,880	10.0	6.9	9.0	10.0	10.0	10.0	10.0	9.7	9.7
196	172034	7500	10	EASTVIEW AV	SAGE AV	SANDY RIDGE CT	Local	ACP	33	146	536	10.0	7.4	8.0	10.0	10.0	10.0	10.0	9.6	10.0
197	172035	7500	20	EASTVIEW AV	SANDY RIDGE CT	SHENANDOAH AV	Local	ACP	33	511	1,872	10.0	7.4	10.0	10.0	10.0	10.0	10.0	9.6	10.0
198	172036	7500	30	EASTVIEW AV	SHENANDOAH AV	SILVERLEAF CT	Local	ACP	33	279	1,023	10.0	6.5	10.0	10.0	10.0	10.0	10.0	9.6	10.0
613	172037	7500	40	EASTVIEW AV	SILVERLEAF CT	ST VRAIN RANCH BD	Local	ACP	33	481	1,762	10.0	7.3	10.0	10.0	10.0	10.0	10.0	9.6	10.0
199	172038	7600	10	EBONY ST	THISTLE RIDGE AV	THUNDERHILL AV	Local	ACP	33	482	1,767	10.0	7.7	10.0	10.0	10.0	10.0	10.0	9.6	10.0
200	172039	7600	20	EBONY ST	THUNDERHILL AV	TILBURY AV	Local	ACP	33	300	1,099	10.0	7.4	8.5	10.0	10.0	10.0	10.0	9.7	10.0
201	172040	7600	30	EBONY ST	TILBURY AV	ECHO ST	Local	ACP	33	494	1,810	10.0	7.4	8.4	10.0	10.0	10.0	10.0	9.6	10.0
202	172041	7700	10	EBONY ST	BEGIN	UNION AV	Local	ACP	33	104	382	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.4	10.0
330	173113	7700	20	EBONY ST	UNION AV	UTICA AV	Local	ACP	33	247	905	10.0	8.7	10.0	10.0	10.0	10.0	10.0	9.6	10.0
203	172042	7700	30	EBONY ST	UTICA AV	VALLEY VISTA AV	Local	ACP	33	256	939	10.0	8.1	8.7	10.0	10.0	10.0	10.0	9.6	10.0
204	172043	7700	40	EBONY ST	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	33	253	927	10.0	8.3	8.8	10.0	10.0	10.0	9.8	9.7	10.0
205	172044	7700	50	EBONY ST	VIEWPOINT AV	CDS	Local	ACP	39	666	2,888	10.0	8.9	10.0	10.0	10.0	10.0	10.0	9.6	10.0
206	172045	7800	10	ECHO CI	SHENANDOAH AV	SHENANDOAH AV	Local	ACP	33	1,458	5,347	10.0	7.6	9.0	10.0	10.0	9.9	10.0	9.7	10.0
207	172046	7900	10	ECHO CT	STAGECOACH AV	CDS	Local	ACP	41	148	673	10.0	7.6	10.0	10.0	10.0	10.0	10.0	9.6	8.2
208	172047	8000	10	ECHO ST	CUL DE SAC	ELDRIDGE ST	Local	ACP	41	275	1,253	10.0	7.5	9.1	10.0	10.0	10.0	10.0	9.7	10.0
209	172048	8000	20	ECHO ST	ELDRIDGE ST	THISTLE RIDGE AV	Local	ACP	33	561	2,055	10.0	7.2	8.8	10.0	10.0	10.0	10.0	9.7	10.0
210	172049	8100	10	ECHO ST	THISTLE RIDGE AV	THUNDERHILL AV	Local	ACP	33	482	1,767	10.0	7.8	8.7	10.0	10.0	10.0	9.6	9.6	9.4
211	172050	8100	20	ECHO ST	THUNDERHILL AV	TILBURY AV	Local	ACP	37	273	1,124	10.0	7.4	8.3	10.0	10.0	10.0	10.0	9.6	10.0
212	172051	8100	30	ECHO ST	TILBURY AV	EBONY ST	Local	ACP	33	277	1,017	10.0	7.4	8.3	10.0	10.0	10.0	10.0	9.6	10.0
213	172052	8100	40	ECHO ST	EBONY ST	FIRESTONE BD	Local	ACP	33	283	1,037	10.0	7.4	8.2	10.0	10.0	10.0	10.0	9.6	10.0
214	172053	8200	10	ELDRIDGE ST	ECHO ST	THISTLE RIDGE AV	Local	ACP	33	760	2,788	10.0	7.6	8.9	10.0	10.0	10.0	10.0	9.6	10.0
215	172054	8300	10	FALCON CT	QUINCY AV	CUL DE SAC	Local	ACP	37	270	1,112	10.0	8.8	10.0	10.0	10.0	10.0	10.0	9.6	9.1
216	172055	8400	10	FALCON ST	SAGE AV	SHENANDOAH AV	Local	ACP	33	312	1,146	7.6	9.9	10.0	10.0	10.0	10.0	10.0	9.6	10.0
217	172056	8400	20	FALCON ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	33	770	2,823	10.0	7.3	8.8	10.0	10.0	9.9	10.0	9.7	10.0
218	172057	8500	10	FALCON ST	ST VRAIN RANCH BD	STAGECOACH AV	Local	ACP	33	340	1,247	10.0	8.7	10.0	10.0	10.0	10.0	10.0	9.7	8.1
219	172058	8500	20	FALCON ST	STAGECOACH AV	CUL DE SAC	Local	ACP	54	87	525	10.0	7.3	9.0	10.0	10.0	10.0	10.0	9.7	8.0
220	172059	8600	10	FALCON ST	TILBURY AV	FIRESTONE BD	Local	ACP	51	524	2,969	10.0	8.5	10.0	10.0	10.0	10.0	10.0	9.6	10.0
221	172060	8700	10	FARMDALE ST	BEGIN	MC CLURE AV	Local	ACP	33	126	463	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.4	10.0
222	172061	8700	20	FARMDALE ST	MC CLURE AV	FLORENCE AV	Local	ACP	33	261	957	10.0	8.6	10.0	10.0	10.0	10.0	10.0	9.5	10.0
223	172062	8700	30	FARMDALE ST	FLORENCE AV	BERWICK AV	Local	ACP	33	254	933	10.0	9.5	9.4	10.0	10.0	9.9	10.0	9.6	10.0
225	172064	8800	10	FARMDALE ST	SAGE AV	SHENANDOAH AV	Local	ACP	33	267	978	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.5	10.0
583	173060	8800	20	FARMDALE ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	33	827	3,033	9.0	8.5	9.1	10.0	10.0	10.0	10.0	9.7	10.0
226	172065	8900	10	FARMDALE ST	SUNBURST AV	TENDERFOOT AV	Local	ACP	33	747	2,741	9.7	7.5	8.4	10.0	10.0	10.0	10.0	9.7	9.9
227	172066	9000	10	FERNCREST ST	CDS	FOREST ST	Local	ACP	40	333	1,481	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
228	172067	9000	20	FERNCREST ST	FOREST ST	PURDUE AV	Local	ACP	33	529	1,941	10.0	9.6	10.0	10.0	10.0	9.9	10.0	9.5	10.0
229	172068	9100	10	FERNCREST ST	SHENENDOAH AV	SILVERLEAF AV	Local	ACP	33	798	2,924	10.0	8.1	8.7	10.0	10.0	10.0	10.0	9.7	10.0
230	172069	9200	10	FERNCREST ST	SUNBURST AV	TENDERFOOT AV	Local	ACP	33	750	2,748	9.3	9.4	10.0	10.0	10.0	10.0	10.0	9.6	10.0
231	172070	9300	10	FIRESTONE BD	SH 25	URBDY	Arterial	PCC	77	346	2,960	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.1	10.0

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)
232	172071	9300	20	FIRESTONE BD	URBAN BOUNDARY	SH FRONTAGE RD	Arterial	PCC	79	241	2,114	100	90	100	97	7/1/2014	Strong	Excellent	0	0
233	172072	9300	30	FIRESTONE BD	SH FRONTAGE RD	PRIVATE RD	Arterial	ACP	97	728	7,848	68	75	99	78	7/1/2014	Strong	Very Good	3	29
234	172073	9300	40	FIRESTONE BD	PRIVATE RD	JAKE JABS BD	Arterial	ACP	83	695	6,413	76	79	95	82	7/1/2014	Strong	Very Good	9	15
235	172074	9300	50	FIRESTONE BD	JAKE JABS BD	PRIVATE RD	Arterial	ACP	81	632	5,692	70	75	98	79	7/1/2014	Strong	Very Good	10	19
236	172076	9300	60	FIRESTONE BD	PRIVATE RD	BAILEY ST	Arterial	ACP	76	664	5,610	83	88	97	87	7/1/2014	Strong	Excellent	5	12
237	172077	9300	70	FIRESTONE BD	BAILEY ST	WIDCH	Arterial	ACP	70	710	5,526	91	88	98	92	7/1/2014	Strong	Excellent	1	8
238	172078	9300	80	FIRESTONE BD	WIDCH	BIRCH ST	Arterial	ACP	84	578	5,397	92	87	97	92	7/1/2014	Strong	Excellent	0	8
240	172079	9300	90	FIRESTONE BD	BIRCH ST	WIDCH	Arterial	ACP	65	685	4,944	88	88	95	90	7/1/2014	Strong	Excellent	5	8
73	172074	9300	100	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	44	1,174	5,741	65	85	99	79	7/1/2014	Strong	Very Good	23	12
241	172080	9300	110	FIRESTONE BD	WIDCH	CENTER ST	Arterial	ACP	56	765	4,760	58	85	99	75	7/1/2014	Strong	Very Good	29	14
242	172081	9300	120	FIRESTONE BD	CENTER ST	WIDCH	Arterial	ACP	56	475	2,958	57	88	95	74	7/1/2014	Strong	Very Good	31	11
243	172082	9300	130	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	44	845	4,132	59	80	95	73	7/1/2014	Strong	Very Good	27	14
244	172083	9300	140	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	62	264	1,819	56	71	97	70	7/1/2014	Strong	Very Good	22	22
245	172084	9300	150	FIRESTONE BD	WIDCH	CIMARRON ST	Arterial	ACP	80	237	2,103	61	74	93	72	7/1/2014	Strong	Very Good	13	26
246	172085	9300	160	FIRESTONE BD	CIMARRON ST	WIDCH	Arterial	ACP	80	423	3,756	61	66	77	66	7/1/2014	Strong	Good	14	25
247	172086	9300	170	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	75	264	2,201	64	76	90	73	7/1/2014	Strong	Very Good	15	21
248	172087	9300	180	FIRESTONE BD	WIDCH	COLORADO BD	Arterial	ACP	80	267	2,376	66	66	76	68	7/1/2014	Strong	Good	14	20
249	172088	9300	190	FIRESTONE BD	COLORADO BD	WIDCH	Arterial	ACP	80	370	3,286	69	72	82	73	7/1/2014	Strong	Very Good	13	18
250	172089	9300	200	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	68	475	3,592	67	70	86	73	7/1/2014	Strong	Very Good	14	20
251	172090	9300	210	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	80	634	5,634	62	69	91	71	7/1/2014	Strong	Very Good	17	21
252	172091	9300	220	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	67	528	3,932	61	74	96	73	7/1/2014	Strong	Very Good	20	20
253	172092	9300	230	FIRESTONE BD	WIDTH OF SURFACE CHANGE	ECHO ST	Arterial	ACP	56	581	3,615	61	83	97	75	7/1/2014	Strong	Very Good	17	22
254	172093	9300	240	FIRESTONE BD	ECHO ST	FALCON ST	Arterial	ACP	45	1,186	5,928	71	91	100	83	7/1/2014	Strong	Very Good	18	11
255	172094	9300	250	FIRESTONE BD	FALCON ST	WIDTH OF SURFACE CHANGE	Arterial	ACP	38	1,004	4,237	81	85	99	87	7/1/2014	Strong	Excellent	2	17
256	172095	9300	260	FIRESTONE BD	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	44	158	775	84	91	96	89	7/1/2014	Strong	Excellent	0	16
257	172096	9300	270	FIRESTONE BD	WIDTH OF SURFACE CHANGE	FRONTIER ST	Arterial	ACP	46	101	518	62	71	99	73	7/1/2014	Strong	Very Good	11	28
595	183517	9300	280	FIRESTONE BD	FRONTIER ST	INGALLS ST	Arterial	ACP	28	5,382	16,743	41	79	59	55	7/1/2014	Moderate	Fair	27	32
258	172097	9300	290	FIRESTONE BD	INGALLS ST	LOCUST ST	Arterial	ACP	28	5,209	16,205	58	80	61	64	7/1/2014	Moderate	Good	16	26
259	172098	9400	10	FLORENCE AV	NAPLES ST	1ST ST	Local	ACP	33	263	965	96	87	75	88	7/1/2014	Strong	Excellent	0	4
260	172099	9400	20	FLORENCE AV	1ST ST	2ND ST	Local	ACP	40	554	2,464	35	45	70	46	7/1/2014	Moderate	Marginal	57	7
261	172100	9400	30	FLORENCE AV	2ND ST	3RD ST	Local	ACP	33	555	2,036	67	63	70	67	7/1/2014	Moderate	Good	16	17
262	172101	9400	40	FLORENCE AV	3RD ST	4TH ST	Local	ACP	33	569	2,088	54	58	70	59	7/1/2014	Moderate	Fair	13	32
589	173894	9400	50	FLORENCE AV	4TH ST	FLORENCE CT	Local	ACP	38	277	1,169	63	53	70	62	7/1/2014	Moderate	Good	14	23
590	173895	9400	60	FLORENCE AV	BERWICK AV	FARMDALE ST	Local	ACP	33	681	2,496	95	84	70	86	7/1/2014	Moderate	Excellent	1	4
591	173896	9400	70	FLORENCE AV	FARMDALE ST	CDS	Local	ACP	37	831	3,415	96	87	70	87	7/1/2014	Moderate	Excellent	0	4
263	172102	9500	10	FLORENCE CT	FLORENCE AVE	CDS	Local	ACP	86	174	1,662	49	28	70	49	7/1/2014	Moderate	Marginal	15	36
264	172103	9600	10	FOREST ST	MC CLURE AV	FLORENCE AV	Local	ACP	33	258	945	95	84	70	86	7/1/2014	Moderate	Excellent	3	2
265	172104	9600	20	FOREST ST	FLORENCE AV	BERWICK AV	Local	ACP	33	254	933	93	78	70	83	7/1/2014	Moderate	Very Good	0	7
266	172105	9600	30	FOREST ST	BERWICK AV	END OF ROAD	Local	ACP	33	138	505	97	88	70	88	7/1/2014	Moderate	Excellent	0	3
267	172106	9700	10	FOREST ST	FERNCREST ST	FOXIRE ST	Local	ACP	33	341	1,251	91	73	72	82	7/1/2014	Moderate	Very Good	0	9
268	172107	9700	20	FOREST ST	FOXIRE ST	PURDUE AV	Local	ACP	33	428	1,569	94	82	70	85	7/1/2014	Moderate	Very Good	3	3
269	172108	9800	10	FOXIRE ST	FOREST ST	CUL DE SAC	Local	ACP	39	442	1,913	98	89	70	89	7/1/2014	Moderate	Excellent	0	2

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
232	172071	9300	20	FIRESTONE BD	URBAN BOUNDARY	SH FRONTAGE RD	Arterial	PCC	79	241	2,114	2050	2	587	5,074	95	Strong	Arterial	PCC
233	172072	9300	30	FIRESTONE BD	SH FRONTAGE RD	PRIVATE RD	Arterial	ACP	97	728	7,848	2060	2	1,424	14,261	79	Strong	Arterial	ACP
234	172073	9300	40	FIRESTONE BD	PRIVATE RD	JAKE JABS BD	Arterial	ACP	83	695	6,413	2060	2	1,424	14,261	79	Strong	Arterial	ACP
235	172074	9300	50	FIRESTONE BD	JAKE JABS BD	PRIVATE RD	Arterial	ACP	81	632	5,692	2070	2	1,297	11,302	83	Strong	Arterial	ACP
236	172076	9300	60	FIRESTONE BD	PRIVATE RD	BAILEY ST	Arterial	ACP	76	664	5,610	2070	2	1,297	11,302	83	Strong	Arterial	ACP
237	172077	9300	70	FIRESTONE BD	BAILEY ST	WIDCH	Arterial	ACP	70	710	5,526	2080	3	1,973	15,867	91	Strong	Arterial	ACP
238	172078	9300	80	FIRESTONE BD	WIDCH	BIRCH ST	Arterial	ACP	84	578	5,397	2080	3	1,973	15,867	91	Strong	Arterial	ACP
240	172079	9300	90	FIRESTONE BD	BIRCH ST	WIDCH	Arterial	ACP	65	685	4,944	2080	3	1,973	15,867	91	Strong	Arterial	ACP
73	172074	9300	100	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	44	1,174	5,741	2090	4	3,260	17,591	75	Strong	Arterial	ACP
241	172080	9300	110	FIRESTONE BD	WIDCH	CENTER ST	Arterial	ACP	56	765	4,760	2090	4	3,260	17,591	75	Strong	Arterial	ACP
242	172081	9300	120	FIRESTONE BD	CENTER ST	WIDCH	Arterial	ACP	56	475	2,958	2090	4	3,260	17,591	75	Strong	Arterial	ACP
243	172082	9300	130	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	44	845	4,132	2090	4	3,260	17,591	75	Strong	Arterial	ACP
244	172083	9300	140	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	62	264	1,819	3000	5	1,455	12,255	69	Strong	Arterial	ACP
245	172084	9300	150	FIRESTONE BD	WIDCH	CIMARRON ST	Arterial	ACP	80	237	2,103	3000	5	1,455	12,255	69	Strong	Arterial	ACP
246	172085	9300	160	FIRESTONE BD	CIMARRON ST	WIDCH	Arterial	ACP	80	423	3,756	3000	5	1,455	12,255	69	Strong	Arterial	ACP
247	172086	9300	170	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	75	264	2,201	3000	5	1,455	12,255	69	Strong	Arterial	ACP
248	172087	9300	180	FIRESTONE BD	WIDCH	COLORADO BD	Arterial	ACP	80	267	2,376	3000	5	1,455	12,255	69	Strong	Arterial	ACP
249	172088	9300	190	FIRESTONE BD	COLORADO BD	WIDCH	Arterial	ACP	80	370	3,286	3010	4	2,007	16,444	72	Strong	Arterial	ACP
250	172089	9300	200	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	68	475	3,592	3010	4	2,007	16,444	72	Strong	Arterial	ACP
251	172090	9300	210	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	80	634	5,634	3010	4	2,007	16,444	72	Strong	Arterial	ACP
252	172091	9300	220	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	67	528	3,932	3010	4	2,007	16,444	72	Strong	Arterial	ACP
253	172092	9300	230	FIRESTONE BD	WIDTH OF SURFACE CHANGE	ECHO ST	Arterial	ACP	56	581	3,615	3020	5	3,030	15,073	82	Strong	Arterial	ACP
254	172093	9300	240	FIRESTONE BD	ECHO ST	FALCON ST	Arterial	ACP	45	1,186	5,928	3020	5	3,030	15,073	82	Strong	Arterial	ACP
255	172094	9300	250	FIRESTONE BD	FALCON ST	WIDTH OF SURFACE CHANGE	Arterial	ACP	38	1,004	4,237	3020	5	3,030	15,073	82	Strong	Arterial	ACP
256	172095	9300	260	FIRESTONE BD	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	44	158	775	3020	5	3,030	15,073	82	Strong	Arterial	ACP
257	172096	9300	270	FIRESTONE BD	WIDTH OF SURFACE CHANGE	FRONTIER ST	Arterial	ACP	46	101	518	3020	5	3,030	15,073	82	Strong	Arterial	ACP
595	183517	9300	280	FIRESTONE BD	FRONTIER ST	INGALLS ST	Arterial	ACP	28	5,382	16,743	3030	1	5,382	16,743	54	Moderate	Arterial	ACP
258	172097	9300	290	FIRESTONE BD	INGALLS ST	LOCUST ST	Arterial	ACP	28	5,209	16,205	3040	1	5,209	16,205	64	Moderate	Arterial	ACP
259	172098	9400	10	FLORENCE AV	NAPLES ST	1ST ST	Local	ACP	33	263	965	3050	1	263	965	88	Strong	Local	ACP
260	172099	9400	20	FLORENCE AV	1ST ST	2ND ST	Local	ACP	40	554	2,464	3060	3	1,679	6,588	56	Moderate	Local	ACP
261	172100	9400	30	FLORENCE AV	2ND ST	3RD ST	Local	ACP	33	555	2,036	3060	3	1,679	6,588	56	Moderate	Local	ACP
262	172101	9400	40	FLORENCE AV	3RD ST	4TH ST	Local	ACP	33	569	2,088	3060	3	1,679	6,588	56	Moderate	Local	ACP
589	173894	9400	50	FLORENCE AV	4TH ST	FLORENCE CT	Local	ACP	38	277	1,169	3070	2	451	2,831	54	Moderate	Local	ACP
590	173895	9400	60	FLORENCE AV	BERWICK AV	FARMDALE ST	Local	ACP	33	681	2,496	3080	2	1,511	5,911	86	Moderate	Local	ACP
591	173896	9400	70	FLORENCE AV	FARMDALE ST	CDS	Local	ACP	37	831	3,415	3080	2	1,511	5,911	86	Moderate	Local	ACP
263	172102	9500	10	FLORENCE CT	FLORENCE AVE	CDS	Local	ACP	86	174	1,662	3070	2	451	2,831	54	Moderate	Local	ACP
264	172103	9600	10	FOREST ST	MC CLURE AV	FLORENCE AV	Local	ACP	33	258	945	3090	3	650	2,383	85	Moderate	Local	ACP
265	172104	9600	20	FOREST ST	FLORENCE AV	BERWICK AV	Local	ACP	33	254	933	3090	3	650	2,383	85	Moderate	Local	ACP
266	172105	9600	30	FOREST ST	BERWICK AV	END OF ROAD	Local	ACP	33	138	505	3090	3	650	2,383	85	Moderate	Local	ACP
267	172106	9700	10	FOREST ST	FERNCREST ST	FOXIRE ST	Local	ACP	33	341	1,251	3100	2	769	2,820	83	Moderate	Local	ACP
268	172107	9700	20	FOREST ST	FOXIRE ST	PURDUE AV	Local	ACP	33	428	1,569	3100	2	769	2,820	83	Moderate	Local	ACP
269	172108	9800	10	FOXIRE ST	FOREST ST	CUL DE SAC	Local	ACP	39	442	1,913	3110	1	442	1,913	88	Moderate	Local	ACP

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
232	172071	9300	20	FIRESTONE BD	URBAN BOUNDARY	SH FRONTAGE RD	Arterial	PCC	79	241	2,114	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
233	172072	9300	30	FIRESTONE BD	SH FRONTAGE RD	PRIVATE RD	Arterial	ACP	97	728	7,848	9.7	7.6	10.0	10.0	10.0	10.0	9.9	8.3	10.0
234	172073	9300	40	FIRESTONE BD	PRIVATE RD	JAKE JABS BD	Arterial	ACP	83	695	6,413	9.0	8.7	10.0	10.0	10.0	10.0	9.5	9.8	10.0
235	172074	9300	50	FIRESTONE BD	JAKE JABS BD	PRIVATE RD	Arterial	ACP	81	632	5,692	8.9	8.2	10.0	10.0	10.0	10.0	9.3	9.7	10.0
236	172076	9300	60	FIRESTONE BD	PRIVATE RD	BAILEY ST	Arterial	ACP	76	664	5,610	9.6	8.5	10.0	10.0	10.0	10.0	9.9	10.0	9.8
237	172077	9300	70	FIRESTONE BD	BAILEY ST	WIDCH	Arterial	ACP	70	710	5,526	10.0	9.0	10.0	10.0	10.0	9.8	10.0	10.0	10.0
238	172078	9300	80	FIRESTONE BD	WIDCH	BIRCH ST	Arterial	ACP	84	578	5,397	10.0	8.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0
240	172079	9300	90	FIRESTONE BD	BIRCH ST	WIDCH	Arterial	ACP	65	685	4,944	9.5	9.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
73	172074	9300	100	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	44	1,174	5,741	7.6	9.0	10.0	10.0	10.0	10.0	9.7	9.7	10.0
241	172080	9300	110	FIRESTONE BD	WIDCH	CENTER ST	Arterial	ACP	56	765	4,760	8.2	8.4	8.9	10.0	10.0	10.0	10.0	9.8	10.0
242	172081	9300	120	FIRESTONE BD	CENTER ST	WIDCH	Arterial	ACP	56	475	2,958	7.9	8.6	8.9	10.0	10.0	10.0	10.0	10.0	10.0
243	172082	9300	130	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	44	845	4,132	8.4	8.4	8.8	10.0	10.0	10.0	10.0	9.7	10.0
244	172083	9300	140	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	62	264	1,819	9.0	7.4	8.8	10.0	10.0	10.0	10.0	9.7	10.0
245	172084	9300	150	FIRESTONE BD	WIDCH	CIMARRON ST	Arterial	ACP	80	237	2,103	10.0	7.0	8.7	10.0	10.0	10.0	10.0	9.7	10.0
246	172085	9300	160	FIRESTONE BD	CIMARRON ST	WIDCH	Arterial	ACP	80	423	3,756	10.0	7.1	8.7	10.0	10.0	9.9	10.0	9.7	10.0
247	172086	9300	170	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	75	264	2,201	10.0	7.6	8.5	10.0	10.0	10.0	10.0	9.7	10.0
248	172087	9300	180	FIRESTONE BD	WIDCH	COLORADO BD	Arterial	ACP	80	267	2,376	10.0	7.8	8.6	10.0	10.0	10.0	10.0	9.6	10.0
249	172088	9300	190	FIRESTONE BD	COLORADO BD	WIDCH	Arterial	ACP	80	370	3,286	10.0	7.9	8.7	10.0	10.0	10.0	10.0	9.7	10.0
250	172089	9300	200	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	68	475	3,592	10.0	7.8	8.6	10.0	10.0	10.0	10.0	9.7	10.0
251	172090	9300	210	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	80	634	5,634	9.6	7.6	8.7	10.0	10.0	10.0	10.0	9.7	10.0
252	172091	9300	220	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	67	528	3,932	9.2	7.7	8.8	10.0	10.0	10.0	10.0	9.7	10.0
253	172092	9300	230	FIRESTONE BD	WIDTH OF SURFACE CHANGE	ECHO ST	Arterial	ACP	56	581	3,615	10.0	7.4	8.4	10.0	10.0	10.0	10.0	9.7	9.8
254	172093	9300	240	FIRESTONE BD	ECHO ST	FALCON ST	Arterial	ACP	45	1,186	5,928	9.2	8.6	8.9	10.0	10.0	10.0	10.0	10.0	10.0
255	172094	9300	250	FIRESTONE BD	FALCON ST	WIDTH OF SURFACE CHANGE	Arterial	ACP	38	1,004	4,237	9.8	8.2	10.0	10.0	10.0	10.0	10.0	9.7	10.0
256	172095	9300	260	FIRESTONE BD	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	44	158	775	10.0	8.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
257	172096	9300	270	FIRESTONE BD	WIDTH OF SURFACE CHANGE	FRONTIER ST	Arterial	ACP	46	101	518	10.0	6.7	8.9	10.0	10.0	10.0	10.0	9.7	10.0
595	183517	9300	280	FIRESTONE BD	FRONTIER ST	INGALLS ST	Arterial	ACP	28	5,382	16,743	10.0	7.6	8.1	10.0	8.7	9.3	10.0	8.7	9.6
258	172097	9300	290	FIRESTONE BD	INGALLS ST	LOCUST ST	Arterial	ACP	28	5,209	16,205	10.0	7.7	8.7	10.0	8.5	9.8	10.0	9.8	9.8
259	172098	9400	10	FLORENCE AV	NAPLES ST	1ST ST	Local	ACP	33	263	965	10.0	9.9	10.0	10.0	10.0	10.0	10.0	9.5	10.0
260	172099	9400	20	FLORENCE AV	1ST ST	2ND ST	Local	ACP	40	554	2,464	8.9	10.0	5.8	10.0	10.0	9.9	10.0	8.7	9.6
261	172100	9400	30	FLORENCE AV	2ND ST	3RD ST	Local	ACP	33	555	2,036	10.0	8.1	9.1	10.0	10.0	9.1	10.0	9.7	10.0
262	172101	9400	40	FLORENCE AV	3RD ST	4TH ST	Local	ACP	33	569	2,088	10.0	6.2	8.7	10.0	10.0	10.0	10.0	9.7	10.0
589	173894	9400	50	FLORENCE AV	4TH ST	FLORENCE CT	Local	ACP	38	277	1,169	10.0	7.4	8.6	10.0	10.0	10.0	10.0	9.6	10.0
590	173895	9400	60	FLORENCE AV	BERWICK AV	FARMDALE ST	Local	ACP	33	681	2,496	10.0	9.8	10.0	10.0	10.0	9.8	10.0	9.5	10.0
591	173896	9400	70	FLORENCE AV	FARMDALE ST	CDS	Local	ACP	37	831	3,415	10.0	9.9	10.0	10.0	10.0	10.0	10.0	9.4	10.0
263	172102	9500	10	FLORENCE CT	FLORENCE AVE	CDS	Local	ACP	86	174	1,662	10.0	5.8	8.5	10.0	10.0	10.0	10.0	9.6	10.0
264	172103	9600	10	FOREST ST	MC CLURE AV	FLORENCE AV	Local	ACP	33	258	945	10.0	10.0	10.0	10.0	10.0	9.6	10.0	9.6	10.0
265	172104	9600	20	FOREST ST	FLORENCE AV	BERWICK AV	Local	ACP	33	254	933	10.0	9.4	10.0	10.0	10.0	10.0	10.0	9.5	10.0
266	172105	9600	30	FOREST ST	BERWICK AV	END OF ROAD	Local	ACP	33	138	505	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.4	10.0
267	172106	9700	10	FOREST ST	FERNCREST ST	FOXIRE ST	Local	ACP	33	341	1,251	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.4	10.0
268	172107	9700	20	FOREST ST	FOXIRE ST	PURDUE AV	Local	ACP	33	428	1,569	10.0	10.0	10.0	10.0	10.0	9.5	10.0	9.5	10.0
269	172108	9800	10	FOXFIRE ST	FOREST ST	CUL DE SAC	Local	ACP	39	442	1,913	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)
270	172109	9900	10	FOXFIRE ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	33	812	2,978	85	76	70	79	7/1/2014	Moderate	Very Good	5	10
271	172110	9900	20	FOXFIRE ST	SILVERLEAF AV	ST VRAIN RANCH BD	Local	ACP	33	339	1,244	66	61	70	66	7/1/2014	Moderate	Good	12	23
272	172111	9900	30	FOXFIRE ST	ST VRAIN RANCH BD	QUIGLEY CI	Local	ACP	33	452	1,656	63	47	70	60	7/1/2014	Moderate	Good	12	25
273	172112	9900	40	FOXFIRE ST	QUIGLEY CI	SUMMERSET AV	Local	ACP	33	501	1,835	66	70	70	68	7/1/2014	Moderate	Good	13	22
276	172115	10000	10	FRONTIER ST	BEGIN	PANORAMA AV	Local	ACP	24	289	770	88	69	71	79	7/1/2014	Moderate	Very Good	5	7
277	172116	10000	20	FRONTIER ST	PANORAMA AV	PINE CONE AV	Local	ACP	24	1,607	4,286	95	84	74	87	7/1/2014	Moderate	Excellent	0	5
278	172117	10000	30	FRONTIER ST	PINE CONE AV	PURDUE AV	Arterial	ACP	24	1,071	2,856	37	81	74	57	7/1/2014	Moderate	Fair	45	18
279	172118	10000	40	FRONTIER ST	PURDUE AV	SIOUX CT	Arterial	ACP	24	908	2,420	32	79	73	54	7/1/2014	Moderate	Fair	45	23
280	172119	10000	50	FRONTIER ST	SIOUX CT	SIERRA VISTA RD	Arterial	ACP	24	924	2,463	35	78	74	56	7/1/2014	Moderate	Fair	36	29
281	172120	10000	60	FRONTIER ST	SIERRA VISTA RD	SABLE AV	Arterial	ACP	24	2,378	6,340	24	79	74	50	7/1/2014	Moderate	Fair	51	25
282	172121	10000	70	FRONTIER ST	SABLE AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	42	317	1,479	55	75	75	65	7/1/2014	Strong	Good	24	22
283	172122	10000	80	FRONTIER ST	WIDTH OF SURFACE CHANGE	MAPLE ST	Arterial	ACP	44	398	1,945	51	87	75	66	7/1/2014	Strong	Good	27	22
284	172123	10000	90	FRONTIER ST	MAPLE ST	SHENANDOAH AV	Arterial	ACP	44	200	979	48	61	100	64	7/1/2014	Strong	Good	28	24
285	172124	10000	100	FRONTIER ST	SHENANDOAH AV	LNCHG	Arterial	ACP	44	475	2,324	42	84	100	67	7/1/2014	Strong	Good	39	19
286	172125	10000	110	FRONTIER ST	CHANGE IN OF THRU LANES	WIDTH OF SURFACE CHANGE	Arterial	ACP	49	423	2,300	49	82	75	64	7/1/2014	Strong	Good	31	20
287	172126	10000	120	FRONTIER ST	WIDTH OF SURFACE CHANGE	ST VRAIN RANCH BD	Arterial	ACP	56	228	1,416	42	80	95	65	7/1/2014	Strong	Good	26	32
288	172127	10000	130	FRONTIER ST	ST VRAIN RANCH BD	WIDTH OF SURFACE CHANGE	Arterial	ACP	56	423	2,629	48	88	70	64	7/1/2014	Moderate	Good	25	27
289	172128	10000	140	FRONTIER ST	WIDTH OF SURFACE CHANGE	LNCHG	Arterial	ACP	48	265	1,413	46	86	74	63	7/1/2014	Moderate	Good	31	23
290	172129	10000	150	FRONTIER ST	CHANGE IN OF THRU LANES	SUMMERSET AV	Arterial	ACP	46	277	1,415	51	89	70	65	7/1/2014	Moderate	Good	30	19
291	172130	10000	160	FRONTIER ST	SUMMERSET AV	WIDCH	Arterial	ACP	36	634	2,535	48	85	75	64	7/1/2014	Strong	Good	27	25
292	172131	10000	170	FRONTIER ST	WIDTH OF SURFACE CHANGE	TENDERFOOT AV	Arterial	ACP	44	462	2,259	63	82	75	71	7/1/2014	Strong	Very Good	24	12
293	172132	10000	180	FRONTIER ST	TENDERFOOT AV	WIDCH	Arterial	ACP	44	423	2,066	36	69	75	54	7/1/2014	Strong	Fair	46	18
582	173010	10000	190	FRONTIER ST	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	39	317	1,373	52	76	75	64	7/1/2014	Strong	Good	15	33
294	172133	10000	200	FRONTIER ST	WIDTH OF SURFACE CHANGE	FIRESTONE BD	Arterial	ACP	44	525	2,566	59	73	75	67	7/1/2014	Strong	Good	17	24
296	172136	10100	10	GRANT AV	CR 13	LNCHG	Collector	ACP	57	264	1,673	64	48	46	55	7/1/2014	Moderate	Fair	14	22
297	172137	10100	20	GRANT AV	CHANGE IN OF THRU LANES	1ST ST	Collector	ACP	52	514	2,970	55	61	61	58	7/1/2014	Moderate	Fair	30	15
298	172138	10100	30	GRANT AV	1ST ST	2ND ST	Collector	ACP	42	559	2,611	50	51	63	54	7/1/2014	Moderate	Fair	31	18
299	172139	10100	40	GRANT AV	2ND ST	3RD ST	Collector	ACP	42	549	2,563	59	58	70	62	7/1/2014	Moderate	Good	22	19
300	172140	10100	50	GRANT AV	3RD ST	4TH ST	Collector	ACP	42	565	2,636	43	48	18	38	7/1/2014	Weak	Poor	38	18
301	172141	10100	60	GRANT AV	4TH ST	SHERILYNN CI	Collector	ACP	42	691	3,227	66	61	29	56	7/1/2014	Weak	Fair	18	16
302	172142	10100	70	GRANT AV	SHERILYNN CI	SRFCH	Collector	ACP	36	266	1,064	53	63	0	42	7/1/2014	Strong	Marginal	18	29
305	172145	10200	10	GRANVILLE AV	1ST ST	2ND ST	Local	ACP	40	561	2,492	47	63	74	58	7/1/2014	Moderate	Fair	38	15
306	172146	10200	20	GRANVILLE AV	2ND ST	3RD ST	Local	ACP	40	558	2,481	45	56	70	54	7/1/2014	Moderate	Fair	26	29
307	172147	10200	30	GRANVILLE AV	3RD ST	4TH ST	Local	ACP	40	563	2,503	39	58	70	52	7/1/2014	Moderate	Fair	31	30
580	172546	10300	10	GRANVILLE AV	5TH ST	END	Local	ACP	33	129	472	97	88	70	88	7/1/2014	Moderate	Excellent	0	3
308	172148	10400	10	GRANVILLE CI	4TH ST	BERWICK AV	Local	ACP	38	721	3,043	73	51	70	66	7/1/2014	Moderate	Good	11	17
309	172149	10500	10	HART ST	BUCHANAN AV	JACKSON AV	Local	ACP	38	661	2,792	82	63	30	64	7/1/2014	Weak	Good	2	16
312	172152	10600	10	JACKSON AV	1ST ST	2ND ST	Local	ACP	31	559	1,926	41	39	70	48	7/1/2014	Moderate	Marginal	46	12
313	172153	10600	20	JACKSON AV	2ND ST	3RD ST	Local	ACP	38	546	2,306	49	56	70	56	7/1/2014	Moderate	Fair	22	29
338	172154	10600	30	JACKSON AV	3RD ST	4TH ST	Local	ACP	34	572	2,161	41	59	70	53	7/1/2014	Moderate	Fair	27	31
339	172155	10600	40	JACKSON AV	4TH ST	HART ST	Local	ACP	38	267	1,126	77	57	70	70	7/1/2014	Moderate	Good	12	11
340	172156	10600	50	JACKSON AV	HART ST	5TH ST	Local	ACP	28	208	647	82	63	70	74	7/1/2014	Moderate	Very Good	5	14

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
270	172109	9900	10	FOXFIRE ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	33	812	2,978	3120	2	1,152	4,223	75	Moderate	Local	ACP
271	172110	9900	20	FOXFIRE ST	SILVERLEAF AV	ST VRAIN RANCH BD	Local	ACP	33	339	1,244	3120	2	1,152	4,223	75	Moderate	Local	ACP
272	172111	9900	30	FOXFIRE ST	ST VRAIN RANCH BD	QUIGLEY CI	Local	ACP	33	452	1,656	3130	2	952	3,491	64	Moderate	Local	ACP
273	172112	9900	40	FOXFIRE ST	QUIGLEY CI	SUMMERSET AV	Local	ACP	33	501	1,835	3130	2	952	3,491	64	Moderate	Local	ACP
276	172115	10000	10	FRONTIER ST	BEGIN	PANORAMA AV	Local	ACP	24	289	770	3140	2	1,896	5,056	85	Moderate	Local	ACP
277	172116	10000	20	FRONTIER ST	PANORAMA AV	PINE CONE AV	Local	ACP	24	1,607	4,286	3140	2	1,896	5,056	85	Moderate	Local	ACP
278	172117	10000	30	FRONTIER ST	PINE CONE AV	PURDUE AV	Arterial	ACP	24	1,071	2,856	3150	3	2,902	7,740	55	Moderate	Arterial	ACP
279	172118	10000	40	FRONTIER ST	PURDUE AV	SIoux CT	Arterial	ACP	24	908	2,420	3150	3	2,902	7,740	55	Moderate	Arterial	ACP
280	172119	10000	50	FRONTIER ST	SIoux CT	SIERRA VISTA RD	Arterial	ACP	24	924	2,463	3150	3	2,902	7,740	55	Moderate	Arterial	ACP
281	172120	10000	60	FRONTIER ST	SIERRA VISTA RD	SABLE AV	Arterial	ACP	24	2,378	6,340	3160	1	2,378	6,340	49	Moderate	Arterial	ACP
282	172121	10000	70	FRONTIER ST	SABLE AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	42	317	1,479	3170	5	1,813	9,028	65	Strong	Arterial	ACP
283	172122	10000	80	FRONTIER ST	WIDTH OF SURFACE CHANGE	MAPLE ST	Arterial	ACP	44	398	1,945	3170	5	1,813	9,028	65	Strong	Arterial	ACP
284	172123	10000	90	FRONTIER ST	MAPLE ST	SHENANDOAH AV	Arterial	ACP	44	200	979	3170	5	1,813	9,028	65	Strong	Arterial	ACP
285	172124	10000	100	FRONTIER ST	SHENANDOAH AV	LNCHG	Arterial	ACP	44	475	2,324	3170	5	1,813	9,028	65	Strong	Arterial	ACP
286	172125	10000	110	FRONTIER ST	CHANGE IN OF THRU LANES	WIDTH OF SURFACE CHANGE	Arterial	ACP	49	423	2,300	3170	5	1,813	9,028	65	Strong	Arterial	ACP
287	172126	10000	120	FRONTIER ST	WIDTH OF SURFACE CHANGE	ST VRAIN RANCH BD	Arterial	ACP	56	228	1,416	3180	6	2,288	11,668	65	Strong	Arterial	ACP
288	172127	10000	130	FRONTIER ST	ST VRAIN RANCH BD	WIDTH OF SURFACE CHANGE	Arterial	ACP	56	423	2,629	3180	6	2,288	11,668	65	Strong	Arterial	ACP
289	172128	10000	140	FRONTIER ST	WIDTH OF SURFACE CHANGE	LNCHG	Arterial	ACP	48	265	1,413	3180	6	2,288	11,668	65	Strong	Arterial	ACP
290	172129	10000	150	FRONTIER ST	CHANGE IN OF THRU LANES	SUMMERSET AV	Arterial	ACP	46	277	1,415	3180	6	2,288	11,668	65	Strong	Arterial	ACP
291	172130	10000	160	FRONTIER ST	SUMMERSET AV	WIDCH	Arterial	ACP	36	634	2,535	3180	6	2,288	11,668	65	Strong	Arterial	ACP
292	172131	10000	170	FRONTIER ST	WIDTH OF SURFACE CHANGE	TENDERFOOT AV	Arterial	ACP	44	462	2,259	3180	6	2,288	11,668	65	Strong	Arterial	ACP
293	172132	10000	180	FRONTIER ST	TENDERFOOT AV	WIDCH	Arterial	ACP	44	423	2,066	3190	3	1,264	6,005	61	Strong	Arterial	ACP
582	173010	10000	190	FRONTIER ST	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	39	317	1,373	3190	3	1,264	6,005	61	Strong	Arterial	ACP
294	172133	10000	200	FRONTIER ST	WIDTH OF SURFACE CHANGE	FIRESTONE BD	Arterial	ACP	44	525	2,566	3190	3	1,264	6,005	61	Strong	Arterial	ACP
296	172136	10100	10	GRANT AV	CR 13	LNCHG	Collector	ACP	57	264	1,673	3200	2	778	4,643	56	Moderate	Collector	ACP
297	172137	10100	20	GRANT AV	CHANGE IN OF THRU LANES	1ST ST	Collector	ACP	52	514	2,970	3200	2	778	4,643	56	Moderate	Collector	ACP
298	172138	10100	30	GRANT AV	1ST ST	2ND ST	Collector	ACP	42	559	2,611	3210	5	2,631	12,101	51	Moderate	Collector	ACP
299	172139	10100	40	GRANT AV	2ND ST	3RD ST	Collector	ACP	42	549	2,563	3210	5	2,631	12,101	51	Moderate	Collector	ACP
300	172140	10100	50	GRANT AV	3RD ST	4TH ST	Collector	ACP	42	565	2,636	3210	5	2,631	12,101	51	Moderate	Collector	ACP
301	172141	10100	60	GRANT AV	4TH ST	SHERILYNN CI	Collector	ACP	42	691	3,227	3210	5	2,631	12,101	51	Moderate	Collector	ACP
302	172142	10100	70	GRANT AV	SHERILYNN CI	SRFCH	Collector	ACP	36	266	1,064	3210	5	2,631	12,101	51	Moderate	Collector	ACP
305	172145	10200	10	GRANVILLE AV	1ST ST	2ND ST	Local	ACP	40	561	2,492	3220	3	1,682	7,476	54	Moderate	Local	ACP
306	172146	10200	20	GRANVILLE AV	2ND ST	3RD ST	Local	ACP	40	558	2,481	3220	3	1,682	7,476	54	Moderate	Local	ACP
307	172147	10200	30	GRANVILLE AV	3RD ST	4TH ST	Local	ACP	40	563	2,503	3220	3	1,682	7,476	54	Moderate	Local	ACP
580	172546	10300	10	GRANVILLE AV	5TH ST	END	Local	ACP	33	129	472	3230	1	129	472	88	Moderate	Local	ACP
308	172148	10400	10	GRANVILLE CI	4TH ST	BERWICK AV	Local	ACP	38	721	3,043	3240	1	721	3,043	66	Moderate	Local	ACP
309	172149	10500	10	HART ST	BUCHANAN AV	JACKSON AV	Local	ACP	38	661	2,792	3250	1	661	2,792	64	Weak	Local	ACP
312	172152	10600	10	JACKSON AV	1ST ST	2ND ST	Local	ACP	31	559	1,926	3260	3	1,677	6,393	52	Moderate	Local	ACP
313	172153	10600	20	JACKSON AV	2ND ST	3RD ST	Local	ACP	38	546	2,306	3260	3	1,677	6,393	52	Moderate	Local	ACP
338	172154	10600	30	JACKSON AV	3RD ST	4TH ST	Local	ACP	34	572	2,161	3260	3	1,677	6,393	52	Moderate	Local	ACP
339	172155	10600	40	JACKSON AV	4TH ST	HART ST	Local	ACP	38	267	1,126	3270	3	677	2,783	71	Moderate	Local	ACP
340	172156	10600	50	JACKSON AV	HART ST	5TH ST	Local	ACP	28	208	647	3270	3	677	2,783	71	Moderate	Local	ACP

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
270	172109	9900	10	FOXFIRE ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	33	812	2,978	10.0	9.0	10.0	10.0	10.0	10.0	10.0	9.7	9.3
271	172110	9900	20	FOXFIRE ST	SILVERLEAF AV	ST VRAIN RANCH BD	Local	ACP	33	339	1,244	10.0	7.4	8.9	10.0	10.0	10.0	10.0	9.7	9.9
272	172111	9900	30	FOXFIRE ST	ST VRAIN RANCH BD	QUIGLEY CI	Local	ACP	33	452	1,656	10.0	7.1	8.8	10.0	10.0	10.0	10.0	9.6	10.0
273	172112	9900	40	FOXFIRE ST	QUIGLEY CI	SUMMERSET AV	Local	ACP	33	501	1,835	10.0	7.5	8.7	10.0	10.0	10.0	10.0	9.7	10.0
276	172115	10000	10	FRONTIER ST	BEGIN	PANORAMA AV	Local	ACP	24	289	770	10.0	9.4	10.0	10.0	10.0	10.0	10.0	9.5	9.4
277	172116	10000	20	FRONTIER ST	PANORAMA AV	PINE CONE AV	Local	ACP	24	1,607	4,286	10.0	9.7	10.0	10.0	10.0	10.0	10.0	9.6	10.0
278	172117	10000	30	FRONTIER ST	PINE CONE AV	PURDUE AV	Arterial	ACP	24	1,071	2,856	10.0	8.7	6.1	10.0	8.6	10.0	10.0	9.7	9.3
279	172118	10000	40	FRONTIER ST	PURDUE AV	SIoux CT	Arterial	ACP	24	908	2,420	10.0	7.8	5.5	10.0	9.0	10.0	10.0	9.8	10.0
280	172119	10000	50	FRONTIER ST	SIoux CT	SIERRA VISTA RD	Arterial	ACP	24	924	2,463	10.0	7.1	6.6	10.0	9.0	10.0	10.0	9.8	9.8
281	172120	10000	60	FRONTIER ST	SIERRA VISTA RD	SABLE AV	Arterial	ACP	24	2,378	6,340	10.0	7.4	5.3	10.0	9.2	10.0	10.0	9.8	9.4
282	172121	10000	70	FRONTIER ST	SABLE AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	42	317	1,479	10.0	7.5	7.6	10.0	10.0	10.0	10.0	9.7	10.0
283	172122	10000	80	FRONTIER ST	WIDTH OF SURFACE CHANGE	MAPLE ST	Arterial	ACP	44	398	1,945	8.4	7.2	8.8	10.0	10.0	10.0	10.0	10.0	10.0
284	172123	10000	90	FRONTIER ST	MAPLE ST	SHENANDOAH AV	Arterial	ACP	44	200	979	8.3	7.2	8.8	10.0	10.0	10.0	10.0	9.7	10.0
285	172124	10000	100	FRONTIER ST	SHENANDOAH AV	LNCHG	Arterial	ACP	44	475	2,324	8.0	7.8	8.1	10.0	10.0	10.0	10.0	9.8	10.0
286	172125	10000	110	FRONTIER ST	CHANGE IN OF THRU LANES	WIDTH OF SURFACE CHANGE	Arterial	ACP	49	423	2,300	10.0	7.6	7.8	10.0	10.0	10.0	10.0	9.8	8.9
287	172126	10000	120	FRONTIER ST	WIDTH OF SURFACE CHANGE	ST VRAIN RANCH BD	Arterial	ACP	56	228	1,416	10.0	6.1	7.4	10.0	10.0	10.0	10.0	9.7	10.0
288	172127	10000	130	FRONTIER ST	ST VRAIN RANCH BD	WIDTH OF SURFACE CHANGE	Arterial	ACP	56	423	2,629	10.0	6.8	7.5	10.0	10.0	10.0	9.8	10.0	10.0
289	172128	10000	140	FRONTIER ST	WIDTH OF SURFACE CHANGE	LNCHG	Arterial	ACP	48	265	1,413	10.0	7.6	6.9	10.0	10.0	10.0	9.5	9.7	10.0
290	172129	10000	150	FRONTIER ST	CHANGE IN OF THRU LANES	SUMMERSET AV	Arterial	ACP	46	277	1,415	10.0	7.6	7.0	10.0	10.0	10.0	9.9	10.0	10.0
291	172130	10000	160	FRONTIER ST	SUMMERSET AV	WIDCH	Arterial	ACP	36	634	2,535	10.0	7.0	7.6	10.0	10.0	10.0	10.0	9.8	9.7
292	172131	10000	170	FRONTIER ST	WIDTH OF SURFACE CHANGE	TENDERFOOT AV	Arterial	ACP	44	462	2,259	10.0	8.7	7.6	10.0	10.0	10.0	10.0	9.7	10.0
293	172132	10000	180	FRONTIER ST	TENDERFOOT AV	WIDCH	Arterial	ACP	44	423	2,066	9.0	8.0	6.6	10.0	10.0	10.0	10.0	9.8	9.6
582	173010	10000	190	FRONTIER ST	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	39	317	1,373	10.0	6.1	8.5	10.0	10.0	10.0	10.0	9.7	10.0
294	172133	10000	200	FRONTIER ST	WIDTH OF SURFACE CHANGE	FIRESTONE BD	Arterial	ACP	44	525	2,566	10.0	7.2	8.4	10.0	10.0	10.0	10.0	9.7	9.9
296	172136	10100	10	GRANT AV	CR 13	LNCHG	Collector	ACP	57	264	1,673	10.0	7.5	8.9	10.0	10.0	10.0	10.0	9.6	9.6
297	172137	10100	20	GRANT AV	CHANGE IN OF THRU LANES	1ST ST	Collector	ACP	52	514	2,970	9.2	8.2	8.5	10.0	10.0	9.7	10.0	9.8	9.3
298	172138	10100	30	GRANT AV	1ST ST	2ND ST	Collector	ACP	42	559	2,611	8.1	7.9	9.1	10.0	10.0	10.0	10.0	9.7	9.4
299	172139	10100	40	GRANT AV	2ND ST	3RD ST	Collector	ACP	42	549	2,563	9.0	7.8	9.1	10.0	10.0	10.0	10.0	9.7	9.6
300	172140	10100	50	GRANT AV	3RD ST	4TH ST	Collector	ACP	42	565	2,636	10.0	7.9	6.8	10.0	10.0	10.0	10.0	9.7	9.2
301	172141	10100	60	GRANT AV	4TH ST	SHERILYNN CI	Collector	ACP	42	691	3,227	9.2	8.2	9.1	10.0	10.0	9.9	10.0	9.7	10.0
302	172142	10100	70	GRANT AV	SHERILYNN CI	SRFCH	Collector	ACP	36	266	1,064	10.0	6.6	8.2	10.0	10.0	10.0	10.0	9.7	10.0
305	172145	10200	10	GRANVILLE AV	1ST ST	2ND ST	Local	ACP	40	561	2,492	8.2	8.3	8.7	10.0	10.0	10.0	10.0	9.7	9.1
306	172146	10200	20	GRANVILLE AV	2ND ST	3RD ST	Local	ACP	40	558	2,481	10.0	6.5	8.9	10.0	10.0	9.9	10.0	9.7	8.3
307	172147	10200	30	GRANVILLE AV	3RD ST	4TH ST	Local	ACP	40	563	2,503	8.7	6.4	8.3	10.0	10.0	10.0	10.0	9.7	9.8
580	172546	10300	10	GRANVILLE AV	5TH ST	END	Local	ACP	33	129	472	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.4	10.0
308	172148	10400	10	GRANVILLE CI	4TH ST	BERWICK AV	Local	ACP	38	721	3,043	10.0	8.1	8.9	10.0	10.0	10.0	10.0	9.6	10.0
309	172149	10500	10	HART ST	BUCHANAN AV	JACKSON AV	Local	ACP	38	661	2,792	10.0	8.3	10.0	10.0	10.0	9.7	10.0	9.5	10.0
312	172152	10600	10	JACKSON AV	1ST ST	2ND ST	Local	ACP	31	559	1,926	9.4	8.7	7.6	10.0	10.0	9.5	10.0	9.7	8.3
313	172153	10600	20	JACKSON AV	2ND ST	3RD ST	Local	ACP	38	546	2,306	9.5	6.6	9.0	10.0	10.0	10.0	10.0	9.7	9.2
338	172154	10600	30	JACKSON AV	3RD ST	4TH ST	Local	ACP	34	572	2,161	10.0	6.3	8.2	10.0	10.0	10.0	10.0	9.7	8.8
339	172155	10600	40	JACKSON AV	4TH ST	HART ST	Local	ACP	38	267	1,126	8.7	8.9	10.0	10.0	10.0	10.0	10.0	9.6	10.0
340	172156	10600	50	JACKSON AV	HART ST	5TH ST	Local	ACP	28	208	647	9.6	8.5	10.0	10.0	10.0	9.9	10.0	9.7	10.0

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Pavement Condition Summary									
												Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)	
341	172157	10600	60	JACKSON AV	5TH ST	CUL DE SAC	Local	ACP	45	202	1,009	76	64	70	71	7/1/2014	Moderate	Very Good	8	16	
342	172158	10700	10	JACKSON DR	1ST ST	1ST ST	Local	ACP	38	1,082	4,567	26	29	70	38	7/1/2014	Moderate	Poor	59	16	
375	172159	10800	10	JAKE JABS BLVD	BEGIN	LNCHG	Local	ACP	33	1,109	4,067	92	78	91	88	7/1/2014	Strong	Excellent	0	8	
376	172160	10800	20	JAKE JABS BLVD	CHANGE IN OF THRU LANES	WIDCH	Local	ACP	65	370	2,670	73	68	95	77	7/1/2014	Strong	Very Good	10	17	
377	172161	10800	30	JAKE JABS BLVD	WIDTH OF SURFACE CHANGE	LNCHG	Local	ACP	60	475	3,169	85	68	67	76	7/1/2014	Moderate	Very Good	0	15	
378	172162	10800	40	JAKE JABS BLVD	CHANGE IN OF THRU LANES	CITY CENTRE RD	Local	ACP	76	411	3,469	68	72	63	68	7/1/2014	Moderate	Good	12	20	
379	172163	10800	50	JAKE JABS BLVD	CITY CENTRE RD	FIRESTONE BLVD	Local	ACP	90	340	3,404	83	64	76	77	7/1/2014	Strong	Very Good	5	13	
380	172164	10900	10	LOCUST ST	FIRESTONE BD	ZINNIA AV	Arterial	ACP	24	5,442	14,511	14	67	74	42	7/1/2014	Moderate	Marginal	65	21	
585	173092	11000	10	MC CLURE AV	1ST ST	JOHNSON ST	Local	ACP	35	258	1,004	51	54	72	57	7/1/2014	Moderate	Fair	14	34	
382	172167	11000	20	MC CLURE AV	JOHNSON ST	2ND ST	Local	ACP	22	288	704	31	51	72	46	7/1/2014	Moderate	Marginal	51	19	
383	172168	11000	30	MC CLURE AV	2ND ST	3RD ST	Local	ACP	22	557	1,363	32	66	70	50	7/1/2014	Moderate	Marginal	44	24	
384	172169	11000	40	MC CLURE AV	3RD ST	4TH ST	Local	ACP	22	565	1,381	34	59	70	49	7/1/2014	Moderate	Marginal	38	28	
385	172170	11000	50	MC CLURE AV	4TH ST	5TH ST	Local	ACP	22	543	1,326	6	32	70	29	7/1/2014	Moderate	Poor	77	16	
331	173127	11000	60	MC CLURE AV	5TH ST	ADAMS WY	Local	ACP	22	322	788	90	70	70	80	7/1/2014	Moderate	Very Good	0	10	
610	172172	11000	70	MC CLURE AV	ADAMS WY	FARMDALE ST	Local	ACP	33	872	3,196	65	54	70	64	7/1/2014	Moderate	Good	24	11	
387	172173	11000	80	MC CLURE AV	FARMDALE ST	FOREST ST	Local	ACP	33	458	1,680	89	70	70	79	7/1/2014	Moderate	Very Good	0	11	
388	172174	11000	90	MC CLURE AV	FOREST ST	FRONTIER ST	Local	ACP	33	374	1,371	94	83	70	85	7/1/2014	Moderate	Excellent	1	4	
389	172175	11100	10	MONARCH DR	SANDY RIDGE AV	SCENIC AV	Collector	ACP	33	481	1,763	67	74	71	69	7/1/2014	Moderate	Good	18	16	
604	172176	11100	20	MONARCH DR	SCENIC AV	SILVERLEAF AV	Collector	ACP	33	342	1,255	67	73	70	69	7/1/2014	Moderate	Good	14	19	
390	172177	11100	30	MONARCH DR	SILVERLEAF AV	BAILEY ST	Collector	ACP	33	723	2,650	89	74	70	80	7/1/2014	Moderate	Very Good	1	10	
391	172178	11100	40	MONARCH DR	BAILEY ST	BALD EAGLE ST	Collector	ACP	33	297	1,088	73	61	70	69	7/1/2014	Moderate	Good	12	15	
392	172179	11100	50	MONARCH DR	BALD EAGLE ST	BEDFORD ST	Collector	ACP	33	129	471	61	54	70	61	7/1/2014	Moderate	Good	17	22	
393	172180	11100	60	MONARCH DR	BEDFORD ST	BIRCH ST	Collector	ACP	33	315	1,156	56	35	70	54	7/1/2014	Moderate	Fair	24	21	
394	172181	11200	10	MONMOUTH AV	1ST ST	2ND ST	Local	ACP	38	560	2,366	43	49	72	52	7/1/2014	Moderate	Fair	34	23	
395	172182	11200	20	MONMOUTH AV	2ND ST	3RD ST	Local	ACP	38	547	2,308	45	60	70	55	7/1/2014	Moderate	Fair	19	36	
396	172183	11200	30	MONMOUTH AV	3RD ST	4TH ST	Local	ACP	38	572	2,415	35	50	70	48	7/1/2014	Moderate	Marginal	40	25	
74	172074	11300	10	MOUNTAIN SHADOWS BD	CARBONDALE ST	CHERRY VALE ST	Local	ACP	34	820	3,097	92	76	72	83	7/1/2014	Moderate	Very Good	1	7	
397	172185	11300	20	MOUNTAIN SHADOWS BD	CHERRY VALE ST	COAL MINE ST	Local	ACP	37	448	1,841	87	81	70	81	7/1/2014	Moderate	Very Good	7	6	
398	172186	11300	30	MOUNTAIN SHADOWS BD	COAL MINE ST	COAL RIDGE ST	Local	ACP	33	290	1,064	86	67	72	78	7/1/2014	Moderate	Very Good	0	14	
399	172187	11300	40	MOUNTAIN SHADOWS BD	COAL RIDGE ST	COLUMBINE ST	Local	ACP	38	276	1,164	73	72	70	72	7/1/2014	Moderate	Very Good	12	15	
400	172188	11300	50	MOUNTAIN SHADOWS BD	COLUMBINE ST	COLORAODO BD	Local	ACP	33	245	898	94	82	74	86	7/1/2014	Moderate	Excellent	0	6	
401	172189	11400	10	NAPLES ST	CDS	FLORENCE AV	Local	ACP	44	205	1,001	90	71	73	81	7/1/2014	Moderate	Very Good	0	10	
402	172190	11400	20	NAPLES ST	FLORENCE AV	VENICE AV	Local	ACP	33	487	1,786	95	86	73	87	7/1/2014	Moderate	Excellent	0	5	
621	172191	11400	30	NAPLES ST	VENICE AV	CDS	Local	ACP	40	382	1,697	97	88	72	89	7/1/2014	Moderate	Excellent	0	3	
606	172196	11500	10	NEIGHBORS PKW	BIRCH ST	BLUEGRASS ST	Collector	ACP	33	235	862	92	77	75	84	7/1/2014	Strong	Very Good	0	8	
406	172195	11500	20	NEIGHBORS PKW	BLUEGRASS ST	BOUNTIFUL ST	Collector	ACP	33	264	968	85	67	74	78	7/1/2014	Moderate	Very Good	0	15	
405	172194	11500	30	NEIGHBORS PKW	BOUNTIFUL ST	BRADBURY ST	Collector	ACP	33	206	756	78	58	75	72	7/1/2014	Strong	Very Good	4	18	
404	172193	11500	40	NEIGHBORS PKW	BRADBURY ST	BLUEGRASS ST	Collector	ACP	33	440	1,615	81	63	72	74	7/1/2014	Moderate	Very Good	15	5	
403	172192	11500	50	NEIGHBORS PKW	BLUEGRASS ST	BUFFALO ST	Collector	ACP	33	612	2,245	95	84	70	86	7/1/2014	Moderate	Excellent	0	5	
407	172197	11600	10	OAK MEADOWS BLVD	CIMARRON ST	COAL MINE ST	Collector	ACP	33	282	1,032	61	72	70	66	7/1/2014	Moderate	Good	16	23	
408	172198	11600	20	OAK MEADOWS BLVD	COAL MINE ST	COAL RIDGE ST	Collector	ACP	33	278	1,020	61	66	70	65	7/1/2014	Moderate	Good	16	23	
409	172199	11600	30	OAK MEADOWS BLVD	COAL RIDGE ST	COLUMBINE ST	Collector	ACP	38	295	1,246	72	68	75	72	7/1/2014	Strong	Very Good	12	16	

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (Yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
341	172157	10600	60	JACKSON AV	5TH ST	CUL DE SAC	Local	ACP	45	202	1,009	3270	3	677	2,783	71	Moderate	Local	ACP
342	172158	10700	10	JACKSON DR	1ST ST	1ST ST	Local	ACP	38	1,082	4,567	3280	1	1,082	4,567	37	Moderate	Local	ACP
375	172159	10800	10	JAKE JABS BLVD	BEGIN	LNCHG	Local	ACP	33	1,109	4,067	3290	5	2,705	16,779	77	Strong	Local	ACP
376	172160	10800	20	JAKE JABS BLVD	CHANGE IN OF THRU LANES	WIDCH	Local	ACP	65	370	2,670	3290	5	2,705	16,779	77	Strong	Local	ACP
377	172161	10800	30	JAKE JABS BLVD	WIDTH OF SURFACE CHANGE	LNCHG	Local	ACP	60	475	3,169	3290	5	2,705	16,779	77	Strong	Local	ACP
378	172162	10800	40	JAKE JABS BLVD	CHANGE IN OF THRU LANES	CITY CENTRE RD	Local	ACP	76	411	3,469	3290	5	2,705	16,779	77	Strong	Local	ACP
379	172163	10800	50	JAKE JABS BLVD	CITY CENTRE RD	FIRESTONE BLVD	Local	ACP	90	340	3,404	3290	5	2,705	16,779	77	Strong	Local	ACP
380	172164	10900	10	LOCUST ST	FIRESTONE BD	ZINNIA AV	Arterial	ACP	24	5,442	14,511	3300	1	5,442	14,511	41	Moderate	Arterial	ACP
585	173092	11000	10	MC CLURE AV	1ST ST	JOHNSON ST	Local	ACP	35	258	1,004	3310	5	2,211	5,778	45	Moderate	Local	ACP
382	172167	11000	20	MC CLURE AV	JOHNSON ST	2ND ST	Local	ACP	22	288	704	3310	5	2,211	5,778	45	Moderate	Local	ACP
383	172168	11000	30	MC CLURE AV	2ND ST	3RD ST	Local	ACP	22	557	1,363	3310	5	2,211	5,778	45	Moderate	Local	ACP
384	172169	11000	40	MC CLURE AV	3RD ST	4TH ST	Local	ACP	22	565	1,381	3310	5	2,211	5,778	45	Moderate	Local	ACP
385	172170	11000	50	MC CLURE AV	4TH ST	5TH ST	Local	ACP	22	543	1,326	3310	5	2,211	5,778	45	Moderate	Local	ACP
331	173127	11000	60	MC CLURE AV	5TH ST	ADAMS WY	Local	ACP	22	322	788	3320	4	2,026	7,035	73	Moderate	Local	ACP
610	172172	11000	70	MC CLURE AV	ADAMS WY	FARMDALE ST	Local	ACP	33	872	3,196	3320	4	2,026	7,035	73	Moderate	Local	ACP
387	172173	11000	80	MC CLURE AV	FARMDALE ST	FOREST ST	Local	ACP	33	458	1,680	3320	4	2,026	7,035	73	Moderate	Local	ACP
388	172174	11000	90	MC CLURE AV	FOREST ST	FRONTIER ST	Local	ACP	33	374	1,371	3320	4	2,026	7,035	73	Moderate	Local	ACP
389	172175	11100	10	MONARCH DR	SANDY RIDGE AV	SCENIC AV	Collector	ACP	33	481	1,763	3330	6	2,286	8,384	70	Moderate	Collector	ACP
604	172176	11100	20	MONARCH DR	SCENIC AV	SILVERLEAF AV	Collector	ACP	33	342	1,255	3330	6	2,286	8,384	70	Moderate	Collector	ACP
390	172177	11100	30	MONARCH DR	SILVERLEAF AV	BAILEY ST	Collector	ACP	33	723	2,650	3330	6	2,286	8,384	70	Moderate	Collector	ACP
391	172178	11100	40	MONARCH DR	BAILEY ST	BALD EAGLE ST	Collector	ACP	33	297	1,088	3330	6	2,286	8,384	70	Moderate	Collector	ACP
392	172179	11100	50	MONARCH DR	BALD EAGLE ST	BEDFORD ST	Collector	ACP	33	129	471	3330	6	2,286	8,384	70	Moderate	Collector	ACP
393	172180	11100	60	MONARCH DR	BEDFORD ST	BIRCH ST	Collector	ACP	33	315	1,156	3330	6	2,286	8,384	70	Moderate	Collector	ACP
394	172181	11200	10	MONMOUTH AV	1ST ST	2ND ST	Local	ACP	38	560	2,366	3340	3	1,679	7,089	51	Moderate	Local	ACP
395	172182	11200	20	MONMOUTH AV	2ND ST	3RD ST	Local	ACP	38	547	2,308	3340	3	1,679	7,089	51	Moderate	Local	ACP
396	172183	11200	30	MONMOUTH AV	3RD ST	4TH ST	Local	ACP	38	572	2,415	3340	3	1,679	7,089	51	Moderate	Local	ACP
74	172074	11300	10	MOUNTAIN SHADOWS BD	CARBONDALE ST	CHERRY VALE ST	Local	ACP	34	820	3,097	3350	5	2,079	8,065	80	Moderate	Local	ACP
397	172185	11300	20	MOUNTAIN SHADOWS BD	CHERRY VALE ST	COAL MINE ST	Local	ACP	37	448	1,841	3350	5	2,079	8,065	80	Moderate	Local	ACP
398	172186	11300	30	MOUNTAIN SHADOWS BD	COAL MINE ST	COAL RIDGE ST	Local	ACP	33	290	1,064	3350	5	2,079	8,065	80	Moderate	Local	ACP
399	172187	11300	40	MOUNTAIN SHADOWS BD	COAL RIDGE ST	COLUMBINE ST	Local	ACP	38	276	1,164	3350	5	2,079	8,065	80	Moderate	Local	ACP
400	172188	11300	50	MOUNTAIN SHADOWS BD	COLUMBINE ST	COLORAODO BD	Local	ACP	33	245	898	3350	5	2,079	8,065	80	Moderate	Local	ACP
401	172189	11400	10	NAPLES ST	CDS	FLORENCE AV	Local	ACP	44	205	1,001	3360	3	1,074	4,485	86	Moderate	Local	ACP
402	172190	11400	20	NAPLES ST	FLORENCE AV	VENICE AV	Local	ACP	33	487	1,786	3360	3	1,074	4,485	86	Moderate	Local	ACP
621	172191	11400	30	NAPLES ST	VENICE AV	CDS	Local	ACP	40	382	1,697	3360	3	1,074	4,485	86	Moderate	Local	ACP
606	172196	11500	10	NEIGHBORS PKW	BIRCH ST	BLUEGRASS ST	Collector	ACP	33	235	862	3370	5	1,758	6,446	79	Moderate	Collector	ACP
406	172195	11500	20	NEIGHBORS PKW	BLUEGRASS ST	BOUNTIFUL ST	Collector	ACP	33	264	968	3370	5	1,758	6,446	79	Moderate	Collector	ACP
405	172194	11500	30	NEIGHBORS PKW	BOUNTIFUL ST	BRADBURY ST	Collector	ACP	33	206	756	3370	5	1,758	6,446	79	Moderate	Collector	ACP
404	172193	11500	40	NEIGHBORS PKW	BRADBURY ST	BLUEGRASS ST	Collector	ACP	33	440	1,615	3370	5	1,758	6,446	79	Moderate	Collector	ACP
403	172192	11500	50	NEIGHBORS PKW	BLUEGRASS ST	BUFFALO ST	Collector	ACP	33	612	2,245	3370	5	1,758	6,446	79	Moderate	Collector	ACP
407	172197	11600	10	OAK MEADOWS BLVD	CIMARRON ST	COAL MINE ST	Collector	ACP	33	282	1,032	3380	4	1,093	4,170	71	Moderate	Collector	ACP
408	172198	11600	20	OAK MEADOWS BLVD	COAL MINE ST	COAL RIDGE ST	Collector	ACP	33	278	1,020	3380	4	1,093	4,170	71	Moderate	Collector	ACP
409	172199	11600	30	OAK MEADOWS BLVD	COAL RIDGE ST	COLUMBINE ST	Collector	ACP	38	295	1,246	3380	4	1,093	4,170	71	Moderate	Collector	ACP

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
341	172157	10600	60	JACKSON AV	5TH ST	CUL DE SAC	Local	ACP	45	202	1,009	9.2	8.2	10.0	10.0	10.0	9.9	10.0	9.7	10.0
342	172158	10700	10	JACKSON DR	1ST ST	1ST ST	Local	ACP	38	1,082	4,567	8.2	9.1	6.7	10.0	10.0	9.9	10.0	8.5	9.0
375	172159	10800	10	JAKE JABS BLVD	BEGIN	LNCHG	Local	ACP	33	1,109	4,067	10.0	9.2	10.0	10.0	10.0	10.0	10.0	9.6	10.0
376	172160	10800	20	JAKE JABS BLVD	CHANGE IN OF THRU LANES	WIDCH	Local	ACP	65	370	2,670	10.0	8.1	9.0	10.0	10.0	10.0	10.0	9.7	10.0
377	172161	10800	30	JAKE JABS BLVD	WIDTH OF SURFACE CHANGE	LNCHG	Local	ACP	60	475	3,169	10.0	8.3	10.0	10.0	10.0	10.0	10.0	9.7	10.0
378	172162	10800	40	JAKE JABS BLVD	CHANGE IN OF THRU LANES	CITY CENTRE RD	Local	ACP	76	411	3,469	10.0	7.7	8.8	10.0	10.0	10.0	10.0	9.7	10.0
379	172163	10800	50	JAKE JABS BLVD	CITY CENTRE RD	FIRESTONE BLVD	Local	ACP	90	340	3,404	9.5	8.6	10.0	10.0	10.0	10.0	10.0	9.7	10.0
380	172164	10900	10	LOCUST ST	FIRESTONE BD	ZINNIA AV	Arterial	ACP	24	5,442	14,511	9.4	7.6	4.5	10.0	9.8	10.0	10.0	9.8	9.4
585	173092	11000	10	MC CLURE AV	1ST ST	JOHNSON ST	Local	ACP	35	258	1,004	10.0	7.1	9.0	10.0	10.0	10.0	10.0	8.0	9.5
382	172167	11000	20	MC CLURE AV	JOHNSON ST	2ND ST	Local	ACP	22	288	704	9.4	8.0	7.7	10.0	10.0	9.3	10.0	9.5	8.0
383	172168	11000	30	MC CLURE AV	2ND ST	3RD ST	Local	ACP	22	557	1,363	9.3	7.1	7.7	10.0	10.0	9.7	10.0	9.8	8.4
384	172169	11000	40	MC CLURE AV	3RD ST	4TH ST	Local	ACP	22	565	1,381	10.0	6.7	7.6	10.0	10.0	9.9	10.0	9.7	8.3
385	172170	11000	50	MC CLURE AV	4TH ST	5TH ST	Local	ACP	22	543	1,326	8.3	8.1	4.4	10.0	10.0	10.0	10.0	9.8	9.5
331	173127	11000	60	MC CLURE AV	5TH ST	ADAMS WY	Local	ACP	22	322	788	10.0	9.1	10.0	10.0	10.0	10.0	9.9	9.5	10.0
610	172172	11000	70	MC CLURE AV	ADAMS WY	FARMDALE ST	Local	ACP	33	872	3,196	9.2	8.9	8.5	10.0	10.0	9.9	10.0	9.7	9.9
387	172173	11000	80	MC CLURE AV	FARMDALE ST	FOREST ST	Local	ACP	33	458	1,680	10.0	8.9	10.0	10.0	10.0	10.0	10.0	9.5	10.0
388	172174	11000	90	MC CLURE AV	FOREST ST	FRONTIER ST	Local	ACP	33	374	1,371	10.0	9.9	10.0	10.0	10.0	9.8	10.0	9.5	10.0
389	172175	11100	10	MONARCH DR	SANDY RIDGE AV	SCENIC AV	Collector	ACP	33	481	1,763	10.0	8.3	8.8	10.0	10.0	9.7	10.0	9.7	9.6
604	172176	11100	20	MONARCH DR	SCENIC AV	SILVERLEAF AV	Collector	ACP	33	342	1,255	10.0	7.9	8.7	10.0	10.0	10.0	10.0	9.7	9.9
390	172177	11100	30	MONARCH DR	SILVERLEAF AV	BAILEY ST	Collector	ACP	33	723	2,650	10.0	9.0	10.0	10.0	10.0	10.0	10.0	9.6	9.9
391	172178	11100	40	MONARCH DR	BAILEY ST	BALD EAGLE ST	Collector	ACP	33	297	1,088	10.0	8.4	8.8	10.0	10.0	10.0	10.0	9.6	10.0
392	172179	11100	50	MONARCH DR	BALD EAGLE ST	BEDFORD ST	Collector	ACP	33	129	471	10.0	7.5	8.5	10.0	10.0	10.0	10.0	9.6	9.7
393	172180	11100	60	MONARCH DR	BEDFORD ST	BIRCH ST	Collector	ACP	33	315	1,156	8.8	7.7	8.8	10.0	10.0	10.0	10.0	9.6	10.0
394	172181	11200	10	MONMOUTH AV	1ST ST	2ND ST	Local	ACP	38	560	2,366	10.0	7.3	8.3	10.0	10.0	10.0	10.0	9.7	7.9
395	172182	11200	20	MONMOUTH AV	2ND ST	3RD ST	Local	ACP	38	547	2,308	10.0	5.7	8.1	10.0	10.0	10.0	10.0	9.7	10.0
396	172183	11200	30	MONMOUTH AV	3RD ST	4TH ST	Local	ACP	38	572	2,415	10.0	7.1	7.2	10.0	10.0	10.0	10.0	9.7	8.5
74	172074	11300	10	MOUNTAIN SHADOWS BD	CARBONDALE ST	CHERRY VALE ST	Local	ACP	34	820	3,097	10.0	9.4	10.0	10.0	10.0	10.0	10.0	9.6	9.9
397	172185	11300	20	MOUNTAIN SHADOWS BD	CHERRY VALE ST	COAL MINE ST	Local	ACP	37	448	1,841	10.0	9.4	10.0	10.0	10.0	9.5	10.0	9.7	9.6
398	172186	11300	30	MOUNTAIN SHADOWS BD	COAL MINE ST	COAL RIDGE ST	Local	ACP	33	290	1,064	10.0	8.5	10.0	10.0	10.0	10.0	10.0	9.5	10.0
399	172187	11300	40	MOUNTAIN SHADOWS BD	COAL RIDGE ST	COLUMBINE ST	Local	ACP	38	276	1,164	10.0	8.3	8.8	10.0	10.0	10.0	10.0	9.7	10.0
400	172188	11300	50	MOUNTAIN SHADOWS BD	COLUMBINE ST	COLORAODO BD	Local	ACP	33	245	898	10.0	9.5	10.0	10.0	10.0	10.0	10.0	9.6	10.0
401	172189	11400	10	NAPLES ST	CDS	FLORENCE AV	Local	ACP	44	205	1,001	10.0	9.1	10.0	10.0	10.0	10.0	10.0	9.6	10.0
402	172190	11400	20	NAPLES ST	FLORENCE AV	VENICE AV	Local	ACP	33	487	1,786	10.0	9.7	10.0	10.0	10.0	10.0	10.0	9.6	10.0
621	172191	11400	30	NAPLES ST	VENICE AV	CDS	Local	ACP	40	382	1,697	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.5	10.0
606	172196	11500	10	NEIGHBORS PKW	BIRCH ST	BLUEGRASS ST	Collector	ACP	33	235	862	10.0	9.3	10.0	10.0	10.0	10.0	10.0	9.6	10.0
406	172195	11500	20	NEIGHBORS PKW	BLUEGRASS ST	BOUNTIFUL ST	Collector	ACP	33	264	968	10.0	8.4	10.0	10.0	10.0	10.0	10.0	9.6	10.0
405	172194	11500	30	NEIGHBORS PKW	BOUNTIFUL ST	BRADBURY ST	Collector	ACP	33	206	756	10.0	8.0	10.0	10.0	10.0	9.4	10.0	9.7	10.0
404	172193	11500	40	NEIGHBORS PKW	BRADBURY ST	BLUEGRASS ST	Collector	ACP	33	440	1,615	10.0	9.7	10.0	10.0	10.0	10.0	10.0	9.7	8.2
403	172192	11500	50	NEIGHBORS PKW	BLUEGRASS ST	BUFFALO ST	Collector	ACP	33	612	2,245	10.0	9.6	10.0	10.0	10.0	10.0	10.0	9.6	10.0
407	172197	11600	10	OAK MEADOWS BLVD	CIMARRON ST	COAL MINE ST	Collector	ACP	33	282	1,032	10.0	7.4	8.4	10.0	10.0	10.0	10.0	9.7	10.0
408	172198	11600	20	OAK MEADOWS BLVD	COAL MINE ST	COAL RIDGE ST	Collector	ACP	33	278	1,020	10.0	7.4	8.6	10.0	10.0	9.7	10.0	9.7	10.0
409	172199	11600	30	OAK MEADOWS BLVD	COAL RIDGE ST	COLUMBINE ST	Collector	ACP	38	295	1,246	10.0	8.3	8.8	10.0	10.0	10.0	10.0	9.7	10.0

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)									
												Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)
314	172200	11600	40	OAK MEADOWS BLVD	COLUMBINE ST	COLORADO BD	Collector	ACP	33	238	871	92	76	74	83	7/1/2014	Moderate	Very Good	0	8
315	172201	11600	50	OAK MEADOWS BLVD	COLORADO BD	DEERFIELD DR	Collector	ACP	37	451	1,853	87	69	71	79	7/1/2014	Moderate	Very Good	10	2
316	172202	11600	60	OAK MEADOWS BLVD	DEERFIELD DR	TWILIGHT AV	Collector	ACP	25	671	1,864	92	76	70	82	7/1/2014	Moderate	Very Good	4	4
317	172203	11600	70	OAK MEADOWS BLVD	TWILIGHT AV	WIDCH	Collector	ACP	25	792	2,201	92	76	90	87	7/1/2014	Strong	Excellent	4	4
318	172204	11600	80	OAK MEADOWS BLVD	WIDTH OF SURFACE CHANGE	LNCHG	Collector	ACP	33	158	581	94	83	100	93	7/1/2014	Strong	Excellent	0	6
319	172205	11600	90	OAK MEADOWS BLVD	CHANGE IN OF THRU LANES	FIRESTONE BD	Collector	ACP	44	123	604	70	47	88	69	7/1/2014	Strong	Good	11	18
320	172206	11700	10	OWL LAKE DR	PINE CONE AV	PINE CONE AV	Local	ACP	28	2,844	8,847	77	67	70	73	7/1/2014	Moderate	Very Good	5	18
321	172207	11800	10	PARK AV	SABLE AV	END	Local	ACP	28	1,266	3,938	66	47	70	62	7/1/2014	Moderate	Good	1	33
322	172208	11900	10	PINE CONE AV	COLORADO BD	OWL LAKE DR	Arterial	ACP	28	2,698	8,393	47	76	100	68	7/1/2014	Strong	Good	30	23
323	172209	11900	20	PINE CONE AV	OWL LAKE DR	OWL LAKE DR	Arterial	ACP	24	1,049	2,799	53	90	75	68	7/1/2014	Strong	Good	24	23
324	172210	11900	30	PINE CONE AV	OWL LAKE DR	FRONTIER ST	Arterial	ACP	34	1,264	4,774	55	75	100	71	7/1/2014	Strong	Very Good	23	22
325	172211	11900	40	PINE CONE AV	FRONTIER ST	APACHE RD	Arterial	ACP	28	1,624	5,052	55	83	75	67	7/1/2014	Strong	Good	22	23
326	172212	11900	50	PINE CONE AV	APACHE RD	DEL CAMINO LN	Arterial	ACP	24	1,659	4,424	50	91	74	66	7/1/2014	Moderate	Good	31	19
327	172213	11900	60	PINE CONE AV	DEL CAMINO LN	ECL	Arterial	ACP	24	1,946	5,189	47	83	74	63	7/1/2014	Moderate	Good	24	29
328	172214	12000	10	PURDUE AV	BGN	FERNCREST ST	Local	ACP	33	176	645	97	89	70	88	7/1/2014	Moderate	Excellent	0	3
329	172215	12000	20	PURDUE AV	FERNCREST ST	FOREST ST	Local	ACP	33	346	1,267	85	66	70	76	7/1/2014	Moderate	Very Good	0	15
410	172216	12000	30	PURDUE AV	FOREST ST	FRONTIER ST	Local	ACP	33	281	1,029	73	54	70	68	7/1/2014	Moderate	Good	20	6
411	172217	12100	10	QUIGLEY CI	ST VRAIN RANCH BD	SUMMERSET AV	Local	ACP	33	420	1,538	64	50	70	62	7/1/2014	Moderate	Good	19	18
412	172218	12100	20	QUIGLEY CI	SUMMERSET AV	FOXFIRE ST	Local	ACP	33	299	1,096	71	79	70	73	7/1/2014	Moderate	Very Good	13	16
592	173897	12200	10	QUINCY AV	ST VRAIN RANCH BD	FALCON CT	Local	ACP	33	502	1,842	68	46	70	63	7/1/2014	Moderate	Good	11	21
620	173898	12200	20	QUINCY AV	FALCON CT	ST VRAIN RANCH BD	Local	ACP	33	664	2,436	71	55	70	67	7/1/2014	Moderate	Good	13	16
629	172220	12300	10	RANGEVIEW AV	REMINGTON AV	CUL DE SAC	Local	ACP	38	455	1,921	90	71	70	80	7/1/2014	Moderate	Very Good	0	10
413	172221	12400	10	RAVEN ST	ROADRUNNER AV	CDS	Local	ACP	39	254	1,099	100	90	70	90	7/1/2014	Moderate	Excellent	0	0
414	172222	12500	10	REMINGTON AV	ROSEWOOD AV	RIMROCK AV	Local	ACP	33	373	1,366	89	70	70	80	7/1/2014	Moderate	Very Good	4	7
415	172223	12500	20	REMINGTON AV	RIMROCK AV	BOUNTIFUL ST	Local	ACP	33	358	1,313	91	79	70	83	7/1/2014	Moderate	Very Good	7	3
416	172224	12500	30	REMINGTON AV	BOUNTIFUL ST	RANGEVIEW AV	Local	ACP	33	583	2,137	88	77	70	81	7/1/2014	Moderate	Very Good	0	12
417	172225	12500	40	REMINGTON AV	RANGEVIEW AV	BUFFALO ST	Local	ACP	33	639	2,342	98	89	70	89	7/1/2014	Moderate	Excellent	0	2
418	172226	12500	50	REMINGTON AV	BUFFALO ST	ROAD RUNNER AV	Local	ACP	37	1,121	4,610	89	74	70	80	7/1/2014	Moderate	Very Good	0	11
419	172227	12500	60	REMINGTON AV	ROAD RUNNER AV	BOWERSOX PY	Local	ACP	33	314	1,152	91	72	70	81	7/1/2014	Moderate	Very Good	0	9
420	172228	12600	10	RIMROCK AV	REMINGTON AV	CDS	Local	ACP	39	263	1,141	98	89	70	88	7/1/2014	Moderate	Excellent	0	2
423	172231	12700	10	ROADRUNNER AV	CASCADE ST	CEDAR ST	Local	ACP	33	175	640	85	67	70	77	7/1/2014	Moderate	Very Good	0	15
425	172233	12700	20	ROADRUNNER AV	CEDAR ST	ROSEWOOD AV	Local	ACP	33	805	2,953	81	76	70	77	7/1/2014	Moderate	Very Good	3	16
426	172234	12700	30	ROADRUNNER AV	ROSEWOOD AV	RAVEN ST	Local	ACP	33	262	959	86	78	70	80	7/1/2014	Moderate	Very Good	0	14
424	172232	12700	40	ROADRUNNER AV	RAVEN ST	REMINGTON AV	Local	ACP	33	291	1,067	84	88	70	81	7/1/2014	Moderate	Very Good	8	9
422	172230	12700	50	ROADRUNNER AV	REMINGTON AV	BUFFALO ST	Local	ACP	37	788	3,239	92	91	70	86	7/1/2014	Moderate	Excellent	0	8
421	172229	12700	60	ROADRUNNER AV	BUFFALO ST	CDS	Local	ACP	39	257	1,115	84	65	69	75	7/1/2014	Moderate	Very Good	2	14
593	173899	12800	10	ROSEWOOD AV	BIRCH ST	REMINGTON AV	Local	ACP	39	246	1,065	64	49	70	62	7/1/2014	Moderate	Good	20	16
612	172235	12800	20	ROSEWOOD AV	REMINGTON AV	BOWERSOX PY	Local	ACP	38	360	1,522	60	56	70	62	7/1/2014	Moderate	Good	13	27
428	172237	12900	10	ROSEWOOD AV	ROADRUNNER AV	BOWERSOX PY	Local	ACP	37	294	1,207	90	73	70	81	7/1/2014	Moderate	Very Good	0	10
427	172236	12900	20	ROSEWOOD AV	BOWERSOX PY	CDS	Local	ACP	41	240	1,092	92	77	73	83	7/1/2014	Moderate	Very Good	0	8
431	172240	12900	10	RUBY AV	BUFFALO ST	CASCADE ST	Collector	ACP	33	257	941	77	58	74	71	7/1/2014	Moderate	Very Good	0	23
430	172239	12900	20	RUBY AV	CASCADE ST	BLUEGRASS ST	Collector	ACP	33	589	2,158	70	64	70	68	7/1/2014	Moderate	Good	11	20

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
314	172200	11600	40	OAK MEADOWS BLVD	COLUMBINE ST	COLORADO BD	Collector	ACP	33	238	871	3380	4	1,093	4,170	71	Moderate	Collector	ACP
315	172201	11600	50	OAK MEADOWS BLVD	COLORADO BD	DEERFIELD DR	Collector	ACP	37	451	1,853	3390	5	2,196	7,102	82	Moderate	Collector	ACP
316	172202	11600	60	OAK MEADOWS BLVD	DEERFIELD DR	TWILIGHT AV	Collector	ACP	25	671	1,864	3390	5	2,196	7,102	82	Moderate	Collector	ACP
317	172203	11600	70	OAK MEADOWS BLVD	TWILIGHT AV	WIDCH	Collector	ACP	25	792	2,201	3390	5	2,196	7,102	82	Moderate	Collector	ACP
318	172204	11600	80	OAK MEADOWS BLVD	WIDTH OF SURFACE CHANGE	LNCHG	Collector	ACP	33	158	581	3390	5	2,196	7,102	82	Moderate	Collector	ACP
319	172205	11600	90	OAK MEADOWS BLVD	CHANGE IN OF THRU LANES	FIRESTONE BD	Collector	ACP	44	123	604	3390	5	2,196	7,102	82	Moderate	Collector	ACP
320	172206	11700	10	OWL LAKE DR	PINE CONE AV	PINE CONE AV	Local	ACP	28	2,844	8,847	3400	1	2,844	8,847	72	Moderate	Local	ACP
321	172207	11800	10	PARK AV	SABLE AV	END	Local	ACP	28	1,266	3,938	3410	1	1,266	3,938	62	Moderate	Local	ACP
322	172208	11900	10	PINE CONE AV	COLORADO BD	OWL LAKE DR	Arterial	ACP	28	2,698	8,393	3420	1	2,698	8,393	67	Strong	Arterial	ACP
323	172209	11900	20	PINE CONE AV	OWL LAKE DR	OWL LAKE DR	Arterial	ACP	24	1,049	2,799	3430	2	2,313	7,572	69	Strong	Arterial	ACP
324	172210	11900	30	PINE CONE AV	OWL LAKE DR	FRONTIER ST	Arterial	ACP	34	1,264	4,774	3430	2	2,313	7,572	69	Strong	Arterial	ACP
325	172211	11900	40	PINE CONE AV	FRONTIER ST	APACHE RD	Arterial	ACP	28	1,624	5,052	3440	2	3,283	9,477	66	Strong	Arterial	ACP
326	172212	11900	50	PINE CONE AV	APACHE RD	DEL CAMINO LN	Arterial	ACP	24	1,659	4,424	3440	2	3,283	9,477	66	Strong	Arterial	ACP
327	172213	11900	60	PINE CONE AV	DEL CAMINO LN	ECL	Arterial	ACP	24	1,946	5,189	3450	1	1,946	5,189	62	Moderate	Arterial	ACP
328	172214	12000	10	PURDUE AV	BGN	FERNCREST ST	Local	ACP	33	176	645	3460	3	802	2,942	75	Moderate	Local	ACP
329	172215	12000	20	PURDUE AV	FERNCREST ST	FOREST ST	Local	ACP	33	346	1,267	3460	3	802	2,942	75	Moderate	Local	ACP
410	172216	12000	30	PURDUE AV	FOREST ST	FRONTIER ST	Local	ACP	33	281	1,029	3460	3	802	2,942	75	Moderate	Local	ACP
411	172217	12100	10	QUIGLEY CI	ST VRAIN RANCH BD	SUMMERSET AV	Local	ACP	33	420	1,538	3470	2	719	2,635	66	Moderate	Local	ACP
412	172218	12100	20	QUIGLEY CI	SUMMERSET AV	FOXFIRES ST	Local	ACP	33	299	1,096	3470	2	719	2,635	66	Moderate	Local	ACP
592	173897	12200	10	QUINCY AV	ST VRAIN RANCH BD	FALCON CT	Local	ACP	33	502	1,842	3480	2	1,167	4,277	65	Moderate	Local	ACP
620	173898	12200	20	QUINCY AV	FALCON CT	ST VRAIN RANCH BD	Local	ACP	33	664	2,436	3480	2	1,167	4,277	65	Moderate	Local	ACP
629	172220	12300	10	RANGEVIEW AV	REMINGTON AV	CUL DE SAC	Local	ACP	38	455	1,921	3490	1	455	1,921	80	Moderate	Local	ACP
413	172221	12400	10	RAVEN ST	ROADRUNNER AV	CDS	Local	ACP	39	254	1,099	3500	1	254	1,099	90	Moderate	Local	ACP
414	172222	12500	10	REMINGTON AV	ROSEWOOD AV	RIMROCK AV	Local	ACP	33	373	1,366	3510	6	3,388	12,920	82	Moderate	Local	ACP
415	172223	12500	20	REMINGTON AV	RIMROCK AV	BOUNTIFUL ST	Local	ACP	33	358	1,313	3510	6	3,388	12,920	82	Moderate	Local	ACP
416	172224	12500	30	REMINGTON AV	BOUNTIFUL ST	RANGEVIEW AV	Local	ACP	33	583	2,137	3510	6	3,388	12,920	82	Moderate	Local	ACP
417	172225	12500	40	REMINGTON AV	RANGEVIEW AV	BUFFALO ST	Local	ACP	33	639	2,342	3510	6	3,388	12,920	82	Moderate	Local	ACP
418	172226	12500	50	REMINGTON AV	BUFFALO ST	ROAD RUNNER AV	Local	ACP	37	1,121	4,610	3510	6	3,388	12,920	82	Moderate	Local	ACP
419	172227	12500	60	REMINGTON AV	ROAD RUNNER AV	BOWERSOX PY	Local	ACP	33	314	1,152	3510	6	3,388	12,920	82	Moderate	Local	ACP
420	172228	12600	10	RIMROCK AV	REMINGTON AV	CDS	Local	ACP	39	263	1,141	3520	1	263	1,141	88	Moderate	Local	ACP
423	172231	12700	10	ROADRUNNER AV	CASCADE ST	CEDAR ST	Local	ACP	33	175	640	3530	6	2,577	9,972	80	Moderate	Local	ACP
425	172233	12700	20	ROADRUNNER AV	CEDAR ST	ROSEWOOD AV	Local	ACP	33	805	2,953	3530	6	2,577	9,972	80	Moderate	Local	ACP
426	172234	12700	30	ROADRUNNER AV	ROSEWOOD AV	RAVEN ST	Local	ACP	33	262	959	3530	6	2,577	9,972	80	Moderate	Local	ACP
424	172232	12700	40	ROADRUNNER AV	RAVEN ST	REMINGTON AV	Local	ACP	33	291	1,067	3530	6	2,577	9,972	80	Moderate	Local	ACP
422	172230	12700	50	ROADRUNNER AV	REMINGTON AV	BUFFALO ST	Local	ACP	37	788	3,239	3530	6	2,577	9,972	80	Moderate	Local	ACP
421	172229	12700	60	ROADRUNNER AV	BUFFALO ST	CDS	Local	ACP	39	257	1,115	3530	6	2,577	9,972	80	Moderate	Local	ACP
593	173899	12800	10	ROSEWOOD AV	BIRCH ST	REMINGTON AV	Local	ACP	39	246	1,065	3540	2	606	2,587	61	Moderate	Local	ACP
612	172235	12800	20	ROSEWOOD AV	REMINGTON AV	BOWERSOX PY	Local	ACP	38	360	1,522	3540	2	606	2,587	61	Moderate	Local	ACP
428	172237	12900	10	ROSEWOOD AV	ROADRUNNER AV	BOWERSOX PY	Local	ACP	37	294	1,207	3550	5	1,562	6,071	73	Moderate	Collector	ACP
427	172236	12900	20	ROSEWOOD AV	BOWERSOX PY	CDS	Local	ACP	41	240	1,092	3550	5	1,562	6,071	73	Moderate	Collector	ACP
431	172240	12900	10	RUBY AV	BUFFALO ST	CASCADE ST	Collector	ACP	33	257	941	3550	5	1,562	6,071	73	Moderate	Collector	ACP
430	172239	12900	20	RUBY AV	CASCADE ST	BLUEGRASS ST	Collector	ACP	33	589	2,158	3550	5	1,562	6,071	73	Moderate	Collector	ACP

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
314	172200	11600	40	OAK MEADOWS BLVD	COLUMBINE ST	COLORADO BD	Collector	ACP	33	238	871	10.0	9.3	10.0	10.0	10.0	10.0	10.0	9.5	10.0
315	172201	11600	50	OAK MEADOWS BLVD	COLORADO BD	DEERFIELD DR	Collector	ACP	37	451	1,853	10.0	10.0	10.0	10.0	10.0	9.6	10.0	9.6	9.1
316	172202	11600	60	OAK MEADOWS BLVD	DEERFIELD DR	TWILIGHT AV	Collector	ACP	25	671	1,864	10.0	9.8	10.0	10.0	10.0	9.4	10.0	9.6	10.0
317	172203	11600	70	OAK MEADOWS BLVD	TWILIGHT AV	WIDCH	Collector	ACP	25	792	2,201	10.0	9.8	10.0	10.0	10.0	9.9	10.0	9.5	9.6
318	172204	11600	80	OAK MEADOWS BLVD	WIDTH OF SURFACE CHANGE	LNCHG	Collector	ACP	33	158	581	10.0	9.6	10.0	10.0	10.0	10.0	10.0	9.5	10.0
319	172205	11600	90	OAK MEADOWS BLVD	CHANGE IN OF THRU LANES	FIRESTONE BD	Collector	ACP	44	123	604	10.0	8.0	8.9	10.0	10.0	10.0	10.0	9.6	10.0
320	172206	11700	10	OWL LAKE DR	PINE CONE AV	PINE CONE AV	Local	ACP	28	2,844	8,847	10.0	7.9	10.0	10.0	10.0	9.5	10.0	9.7	9.8
321	172207	11800	10	PARK AV	SABLE AV	END	Local	ACP	28	1,266	3,938	9.9	7.6	10.0	10.0	10.0	10.0	10.0	7.5	10.0
322	172208	11900	10	PINE CONE AV	COLORADO BD	OWL LAKE DR	Arterial	ACP	28	2,698	8,393	9.8	7.8	7.4	10.0	9.2	10.0	10.0	9.8	9.7
323	172209	11900	20	PINE CONE AV	OWL LAKE DR	OWL LAKE DR	Arterial	ACP	24	1,049	2,799	10.0	7.2	7.6	10.0	10.0	10.0	10.0	10.0	10.0
324	172210	11900	30	PINE CONE AV	OWL LAKE DR	FRONTIER ST	Arterial	ACP	34	1,264	4,774	10.0	7.5	7.7	10.0	10.0	10.0	10.0	9.8	10.0
325	172211	11900	40	PINE CONE AV	FRONTIER ST	APACHE RD	Arterial	ACP	28	1,624	5,052	10.0	7.3	7.8	10.0	10.0	10.0	10.0	9.8	10.0
326	172212	11900	50	PINE CONE AV	APACHE RD	DEL CAMINO LN	Arterial	ACP	24	1,659	4,424	10.0	7.7	7.3	10.0	10.0	9.7	10.0	10.0	9.7
327	172213	11900	60	PINE CONE AV	DEL CAMINO LN	ECL	Arterial	ACP	24	1,946	5,189	10.0	7.1	7.6	10.0	9.0	10.0	10.0	9.8	10.0
328	172214	12000	10	PURDUE AV	BGN	FERNCREST ST	Local	ACP	33	176	645	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.5	10.0
329	172215	12000	20	PURDUE AV	FERNCREST ST	FOREST ST	Local	ACP	33	346	1,267	10.0	8.3	10.0	10.0	10.0	10.0	10.0	9.6	10.0
410	172216	12000	30	PURDUE AV	FOREST ST	FRONTIER ST	Local	ACP	33	281	1,029	10.0	9.5	10.0	10.0	10.0	7.7	10.0	9.6	9.5
411	172217	12100	10	QUIGLEY CI	ST VRAIN RANCH BD	SUMMERSET AV	Local	ACP	33	420	1,538	10.0	8.0	8.9	10.0	10.0	9.1	10.0	9.6	9.8
412	172218	12100	20	QUIGLEY CI	SUMMERSET AV	FOXFIRE ST	Local	ACP	33	299	1,096	10.0	8.2	8.7	10.0	10.0	10.0	10.0	9.7	10.0
592	173897	12200	10	QUINCY AV	ST VRAIN RANCH BD	FALCON CT	Local	ACP	33	502	1,842	10.0	7.6	9.0	10.0	10.0	10.0	10.0	9.6	9.9
620	173898	12200	20	QUINCY AV	FALCON CT	ST VRAIN RANCH BD	Local	ACP	33	664	2,436	10.0	8.2	9.0	10.0	10.0	10.0	10.0	9.7	9.7
629	172220	12300	10	RANGEVIEW AV	REMINGTON AV	CUL DE SAC	Local	ACP	38	455	1,921	10.0	9.1	10.0	10.0	10.0	10.0	10.0	9.6	10.0
413	172221	12400	10	RAVEN ST	ROADRUNNER AV	CDS	Local	ACP	39	254	1,099	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
414	172222	12500	10	REMINGTON AV	ROSEWOOD AV	RIMROCK AV	Local	ACP	33	373	1,366	10.0	9.4	10.0	10.0	10.0	10.0	10.0	9.6	9.5
415	172223	12500	20	REMINGTON AV	RIMROCK AV	BOUNTIFUL ST	Local	ACP	33	358	1,313	10.0	10.0	9.3	10.0	10.0	10.0	10.0	9.5	10.0
416	172224	12500	30	REMINGTON AV	BOUNTIFUL ST	RANGEVIEW AV	Local	ACP	33	583	2,137	10.0	8.7	10.0	10.0	10.0	10.0	10.0	9.7	10.0
417	172225	12500	40	REMINGTON AV	RANGEVIEW AV	BUFFALO ST	Local	ACP	33	639	2,342	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
418	172226	12500	50	REMINGTON AV	BUFFALO ST	ROAD RUNNER AV	Local	ACP	37	1,121	4,610	10.0	8.8	10.0	10.0	10.0	10.0	10.0	9.7	10.0
419	172227	12500	60	REMINGTON AV	ROAD RUNNER AV	BOWERSOX PY	Local	ACP	33	314	1,152	10.0	9.1	10.0	10.0	10.0	10.0	10.0	9.6	10.0
420	172228	12600	10	RIMROCK AV	REMINGTON AV	CDS	Local	ACP	39	263	1,141	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
423	172231	12700	10	ROADRUNNER AV	CASCADE ST	CEDAR ST	Local	ACP	33	175	640	10.0	8.4	10.0	10.0	10.0	10.0	10.0	9.6	10.0
425	172233	12700	20	ROADRUNNER AV	CEDAR ST	ROSEWOOD AV	Local	ACP	33	805	2,953	10.0	8.2	10.0	10.0	10.0	9.6	10.0	9.7	10.0
426	172234	12700	30	ROADRUNNER AV	ROSEWOOD AV	RAVEN ST	Local	ACP	33	262	959	10.0	8.5	10.0	10.0	10.0	10.0	10.0	9.7	10.0
424	172232	12700	40	ROADRUNNER AV	RAVEN ST	REMINGTON AV	Local	ACP	33	291	1,067	10.0	8.9	10.0	10.0	10.0	10.0	10.0	10.0	9.0
422	172230	12700	50	ROADRUNNER AV	REMINGTON AV	BUFFALO ST	Local	ACP	37	788	3,239	10.0	8.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0
421	172229	12700	60	ROADRUNNER AV	BUFFALO ST	CDS	Local	ACP	39	257	1,115	10.0	8.6	10.0	10.0	10.0	10.0	10.0	9.6	9.7
593	173899	12800	10	ROSEWOOD AV	BIRCH ST	REMINGTON AV	Local	ACP	39	246	1,065	10.0	8.2	9.0	10.0	10.0	10.0	10.0	9.7	8.8
612	172235	12800	20	ROSEWOOD AV	REMINGTON AV	BOWERSOX PY	Local	ACP	38	360	1,522	10.0	6.9	8.7	10.0	10.0	10.0	10.0	9.7	10.0
428	172237	12900	10	ROSEWOOD AV	ROADRUNNER AV	BOWERSOX PY	Local	ACP	37	294	1,207	10.0	9.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
427	172236	12900	20	ROSEWOOD AV	BOWERSOX PY	CDS	Local	ACP	41	240	1,092	10.0	9.3	10.0	10.0	10.0	10.0	10.0	9.6	10.0
431	172240	12900	10	RUBY AV	BUFFALO ST	CASCADE ST	Collector	ACP	33	257	941	10.0	8.9	10.0	10.0	10.0	10.0	10.0	7.3	10.0
430	172239	12900	20	RUBY AV	CASCADE ST	BLUEGRASS ST	Collector	ACP	33	589	2,158	10.0	7.8	8.9	10.0	10.0	10.0	10.0	9.7	10.0

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)
429	172238	12900	30	RUBY AV	BLUEGRASS ST	ROSEWOOD AV	Collector	ACP	33	183	673	60	64	70	64	7/1/2014	Moderate	Good	15	25
432	172241	13000	10	RUSTIC AV	BLUEGRASS ST	BOUNTIFUL ST	Local	ACP	37	350	1,439	96	87	70	87	7/1/2014	Moderate	Excellent	0	4
433	172242	13000	20	RUSTIC AV	BOUNTIFUL ST	BRADBURY ST	Local	ACP	33	286	1,050	85	74	70	78	7/1/2014	Moderate	Very Good	0	15
434	172243	13000	30	RUSTIC AV	BRADBURY ST	BUFFALO ST	Local	ACP	33	343	1,256	85	68	70	77	7/1/2014	Moderate	Very Good	0	15
435	172244	13000	40	RUSTIC AV	BUFFALO ST	BUTTESFIELD ST	Local	ACP	37	328	1,350	81	63	70	74	7/1/2014	Moderate	Very Good	0	19
436	172245	13000	50	RUSTIC AV	BUTTESFIELD ST	CASCADE ST	Local	ACP	33	849	3,114	83	64	70	75	7/1/2014	Moderate	Very Good	2	15
437	172246	13000	60	RUSTIC AV	CASCADE ST	CDS	Local	ACP	41	285	1,298	93	79	70	84	7/1/2014	Moderate	Very Good	0	7
631	172247	13100	10	SABLE AV	SH FRONTAGE RD	SURFACE CHANGE	Arterial	ACP	24	1,373	3,662	64	81	32	60	7/1/2014	Weak	Good	13	23
438	172248	13200	10	SABLE AV	SRFCH	BIRCH ST	Arterial	ACP	29	45	144	98	89	74	89	7/1/2014	Moderate	Excellent	0	3
439	172250	13200	20	SABLE AV	BIRCH ST	WIDCH	Arterial	ACP	33	792	2,905	74	64	69	71	7/1/2014	Moderate	Very Good	10	16
440	172251	13200	30	SABLE AV	WIDTH OF SURFACE CHANGE	BUFFALO ST	Arterial	ACP	56	396	2,462	64	84	76	72	7/1/2014	Strong	Very Good	16	20
441	172252	13200	40	SABLE AV	BUFFALO ST	WIDCH	Arterial	ACP	56	317	1,972	73	87	66	75	7/1/2014	Moderate	Very Good	12	15
442	172253	13200	50	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	36	423	1,690	80	86	58	76	7/1/2014	Moderate	Very Good	0	20
443	172254	13200	60	SABLE AV	WIDTH OF SURFACE CHANGE	CASCADE ST	Arterial	ACP	52	304	1,757	68	85	78	75	7/1/2014	Strong	Very Good	11	21
444	172255	13200	70	SABLE AV	CASCADE ST	LNCHG	Arterial	ACP	47	211	1,103	71	87	76	76	7/1/2014	Strong	Very Good	12	18
445	172256	13200	80	SABLE AV	CHANGE IN OF THRU LANES	WIDCH	Arterial	ACP	44	739	3,615	67	80	50	66	7/1/2014	Moderate	Good	14	18
446	172257	13200	90	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	40	106	469	71	71	38	63	7/1/2014	Weak	Good	11	18
447	172258	13200	100	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	33	1,109	4,067	59	76	44	59	7/1/2014	Weak	Fair	23	18
448	172259	13200	110	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	33	634	2,324	60	83	51	64	7/1/2014	Moderate	Good	12	28
449	172260	13200	120	SABLE AV	WIDTH OF SURFACE CHANGE	COLORADO BD	Arterial	ACP	44	348	1,700	64	60	45	58	7/1/2014	Weak	Fair	15	21
450	172261	13200	130	SABLE AV	COLORADO BD	LNCHG	Arterial	ACP	56	264	1,643	59	50	86	64	7/1/2014	Strong	Good	24	17
451	172262	13200	140	SABLE AV	CHANGE IN OF THRU LANES	DEVONSHIRE ST	Arterial	ACP	52	341	1,972	50	88	92	70	7/1/2014	Strong	Good	35	15
452	172263	13200	150	SABLE AV	DEVONSHIRE ST	WIDCH	Arterial	ACP	44	687	3,357	70	80	91	78	7/1/2014	Strong	Very Good	13	17
453	172264	13200	160	SABLE AV	WIDTH OF SURFACE CHANGE	PARK AV	Arterial	ACP	58	682	4,397	67	80	71	71	7/1/2014	Moderate	Very Good	15	18
454	172265	13200	170	SABLE AV	PARK AV	WIDCH	Arterial	ACP	51	423	2,394	68	81	70	72	7/1/2014	Moderate	Very Good	18	14
455	172266	13200	180	SABLE AV	WIDTH OF SURFACE CHANGE	FRONTIER ST	Arterial	ACP	30	2,554	8,514	54	82	93	71	7/1/2014	Strong	Very Good	19	27
456	172267	13300	10	SADDLEBACK AV	DEVONSHIRE ST	ST VRAIN RANCH BD	Local	ACP	33	1,374	5,037	92	77	70	83	7/1/2014	Moderate	Very Good	0	8
457	172268	13300	20	SADDLEBACK AV	ST VRAIN RANCH BD	SHENANDOAH AV	Local	ACP	35	3,267	12,705	68	66	70	68	7/1/2014	Moderate	Good	10	22
334	173243	13400	10	SAGE AV	DEVONSHIRE ST	DOGWOOD ST	Local	ACP	33	320	1,173	95	85	70	87	7/1/2014	Moderate	Excellent	0	5
458	172269	13400	20	SAGE AV	DOGWOOD ST	DOVER ST	Local	ACP	33	280	1,026	90	70	70	80	7/1/2014	Moderate	Very Good	0	10
459	172270	13400	30	SAGE AV	DOVER ST	ST VRAIN RANCH BD	Local	ACP	33	777	2,848	76	63	70	71	7/1/2014	Moderate	Very Good	2	22
460	172271	13400	40	SAGE AV	ST VRAIN RANCH BD	EASTVIEW ST	Local	ACP	37	431	1,771	65	58	70	64	7/1/2014	Moderate	Good	11	24
461	172272	13400	50	SAGE AV	EASTVIEW ST	SCENIC CT	Local	ACP	37	557	2,291	59	57	70	61	7/1/2014	Moderate	Good	12	29
462	172273	13400	60	SAGE AV	SCENIC CT	FALCON ST	Local	ACP	33	739	2,708	67	66	70	67	7/1/2014	Moderate	Good	12	21
463	172274	13400	70	SAGE AV	FALCON ST	FARMDALE ST	Local	ACP	37	263	1,082	82	64	70	74	7/1/2014	Moderate	Very Good	0	18
464	172275	13400	80	SAGE AV	FARMDALE ST	CDS	Local	ACP	42	356	1,661	94	82	70	85	7/1/2014	Moderate	Very Good	0	6
465	172276	13500	10	SANDY RIDGE AV	BEGIN	MONARCH DR	Local	ACP	33	140	515	82	76	74	79	7/1/2014	Moderate	Very Good	0	18
466	172277	13500	20	SANDY RIDGE AV	MONARCH DR	AUDREY ST	Local	ACP	33	163	599	81	70	74	77	7/1/2014	Moderate	Very Good	4	15
467	172278	13500	30	SANDY RIDGE AV	AUDREY ST	BALD EAGLE ST	Local	ACP	33	560	2,054	84	66	74	77	7/1/2014	Moderate	Very Good	5	11
468	172279	13500	40	SANDY RIDGE AV	BALD EAGLE ST	BARRON ST	Local	ACP	33	444	1,630	72	78	70	73	7/1/2014	Moderate	Very Good	12	16
469	172280	13500	50	SANDY RIDGE AV	BARRON ST	BELMONT ST	Local	ACP	33	470	1,722	60	55	70	61	7/1/2014	Moderate	Good	20	20
470	172281	13500	60	SANDY RIDGE AV	BELMONT ST	BIRCH ST	Local	ACP	33	219	802	60	28	70	55	7/1/2014	Moderate	Fair	16	23

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (Yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
429	172238	12900	30	RUBY AV	BLUEGRASS ST	ROSEWOOD AV	Collector	ACP	33	183	673	3550	5	1,562	6,071	73	Moderate	Collector	ACP
432	172241	13000	10	RUSTIC AV	BLUEGRASS ST	BOUNTIFUL ST	Local	ACP	37	350	1,439	3560	3	979	3,745	81	Moderate	Local	ACP
433	172242	13000	20	RUSTIC AV	BOUNTIFUL ST	BRADBURY ST	Local	ACP	33	286	1,050	3560	3	979	3,745	81	Moderate	Local	ACP
434	172243	13000	30	RUSTIC AV	BRADBURY ST	BUFFALO ST	Local	ACP	33	343	1,256	3560	3	979	3,745	81	Moderate	Local	ACP
435	172244	13000	40	RUSTIC AV	BUFFALO ST	BUTTESFIELD ST	Local	ACP	37	328	1,350	3570	3	1,463	5,762	76	Moderate	Local	ACP
436	172245	13000	50	RUSTIC AV	BUTTESFIELD ST	CASCADE ST	Local	ACP	33	849	3,114	3570	3	1,463	5,762	76	Moderate	Local	ACP
437	172246	13000	60	RUSTIC AV	CASCADE ST	CDS	Local	ACP	41	285	1,298	3570	3	1,463	5,762	76	Moderate	Local	ACP
631	172247	13100	10	SABLE AV	SH FRONTAGE RD	SURFACE CHANGE	Arterial	ACP	24	1,373	3,662	3580	1	1,373	3,662	59	Weak	Arterial	ACP
438	172248	13200	10	SABLE AV	SRFCH	BIRCH ST	Arterial	ACP	29	45	144	3590	7	2,487	12,033	73	Moderate	Arterial	ACP
439	172250	13200	20	SABLE AV	BIRCH ST	WIDCH	Arterial	ACP	33	792	2,905	3590	7	2,487	12,033	73	Moderate	Arterial	ACP
440	172251	13200	30	SABLE AV	WIDTH OF SURFACE CHANGE	BUFFALO ST	Arterial	ACP	56	396	2,462	3590	7	2,487	12,033	73	Moderate	Arterial	ACP
441	172252	13200	40	SABLE AV	BUFFALO ST	WIDCH	Arterial	ACP	56	317	1,972	3590	7	2,487	12,033	73	Moderate	Arterial	ACP
442	172253	13200	50	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	36	423	1,690	3590	7	2,487	12,033	73	Moderate	Arterial	ACP
443	172254	13200	60	SABLE AV	WIDTH OF SURFACE CHANGE	CASCADE ST	Arterial	ACP	52	304	1,757	3590	7	2,487	12,033	73	Moderate	Arterial	ACP
444	172255	13200	70	SABLE AV	CASCADE ST	LNCHG	Arterial	ACP	47	211	1,103	3590	7	2,487	12,033	73	Moderate	Arterial	ACP
445	172256	13200	80	SABLE AV	CHANGE IN OF THRU LANES	WIDCH	Arterial	ACP	44	739	3,615	3600	4	2,588	10,476	62	Moderate	Arterial	ACP
446	172257	13200	90	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	40	106	469	3600	4	2,588	10,476	62	Moderate	Arterial	ACP
447	172258	13200	100	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	33	1,109	4,067	3600	4	2,588	10,476	62	Moderate	Arterial	ACP
448	172259	13200	110	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	33	634	2,324	3600	4	2,588	10,476	62	Moderate	Arterial	ACP
449	172260	13200	120	SABLE AV	WIDTH OF SURFACE CHANGE	COLORADO BD	Arterial	ACP	44	348	1,700	3610	5	2,322	13,069	69	Moderate	Arterial	ACP
450	172261	13200	130	SABLE AV	COLORADO BD	LNCHG	Arterial	ACP	56	264	1,643	3610	5	2,322	13,069	69	Moderate	Arterial	ACP
451	172262	13200	140	SABLE AV	CHANGE IN OF THRU LANES	DEVONSHIRE ST	Arterial	ACP	52	341	1,972	3610	5	2,322	13,069	69	Moderate	Arterial	ACP
452	172263	13200	150	SABLE AV	DEVONSHIRE ST	WIDCH	Arterial	ACP	44	687	3,357	3610	5	2,322	13,069	69	Moderate	Arterial	ACP
453	172264	13200	160	SABLE AV	WIDTH OF SURFACE CHANGE	PARK AV	Arterial	ACP	58	682	4,397	3610	5	2,322	13,069	69	Moderate	Arterial	ACP
454	172265	13200	170	SABLE AV	PARK AV	WIDCH	Arterial	ACP	51	423	2,394	3620	2	2,977	10,908	71	Strong	Arterial	ACP
455	172266	13200	180	SABLE AV	WIDTH OF SURFACE CHANGE	FRONTIER ST	Arterial	ACP	30	2,554	8,514	3620	2	2,977	10,908	71	Strong	Arterial	ACP
456	172267	13300	10	SADDLEBACK AV	DEVONSHIRE ST	ST VRAIN RANCH BD	Local	ACP	33	1,374	5,037	3630	1	1,374	5,037	82	Moderate	Local	ACP
457	172268	13300	20	SADDLEBACK AV	ST VRAIN RANCH BD	SHENANDOAH AV	Local	ACP	35	3,267	12,705	3640	1	3,267	12,705	67	Moderate	Local	ACP
334	173243	13400	10	SAGE AV	DEVONSHIRE ST	DOGWOOD ST	Local	ACP	33	320	1,173	3650	3	1,376	5,047	76	Moderate	Local	ACP
458	172269	13400	20	SAGE AV	DOGWOOD ST	DOVER ST	Local	ACP	33	280	1,026	3650	3	1,376	5,047	76	Moderate	Local	ACP
459	172270	13400	30	SAGE AV	DOVER ST	ST VRAIN RANCH BD	Local	ACP	33	777	2,848	3650	3	1,376	5,047	76	Moderate	Local	ACP
460	172271	13400	40	SAGE AV	ST VRAIN RANCH BD	EASTVIEW ST	Local	ACP	37	431	1,771	3660	5	2,346	9,512	69	Moderate	Local	ACP
461	172272	13400	50	SAGE AV	EASTVIEW ST	SCENIC CT	Local	ACP	37	557	2,291	3660	5	2,346	9,512	69	Moderate	Local	ACP
462	172273	13400	60	SAGE AV	SCENIC CT	FALCON ST	Local	ACP	33	739	2,708	3660	5	2,346	9,512	69	Moderate	Local	ACP
463	172274	13400	70	SAGE AV	FALCON ST	FARMDALE ST	Local	ACP	37	263	1,082	3660	5	2,346	9,512	69	Moderate	Local	ACP
464	172275	13400	80	SAGE AV	FARMDALE ST	CDS	Local	ACP	42	356	1,661	3660	5	2,346	9,512	69	Moderate	Local	ACP
465	172276	13500	10	SANDY RIDGE AV	BEGIN	MONARCH DR	Local	ACP	33	140	515	3670	6	1,997	7,321	70	Moderate	Local	ACP
466	172277	13500	20	SANDY RIDGE AV	MONARCH DR	AUDREY ST	Local	ACP	33	163	599	3670	6	1,997	7,321	70	Moderate	Local	ACP
467	172278	13500	30	SANDY RIDGE AV	AUDREY ST	BALD EAGLE ST	Local	ACP	33	560	2,054	3670	6	1,997	7,321	70	Moderate	Local	ACP
468	172279	13500	40	SANDY RIDGE AV	BALD EAGLE ST	BARRON ST	Local	ACP	33	444	1,630	3670	6	1,997	7,321	70	Moderate	Local	ACP
469	172280	13500	50	SANDY RIDGE AV	BARRON ST	BELMONT ST	Local	ACP	33	470	1,722	3670	6	1,997	7,321	70	Moderate	Local	ACP
470	172281	13500	60	SANDY RIDGE AV	BELMONT ST	BIRCH ST	Local	ACP	33	219	802	3670	6	1,997	7,321	70	Moderate	Local	ACP

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
429	172238	12900	30	RUBY AV	BLUEGRASS ST	ROSEWOOD AV	Collector	ACP	33	183	673	10.0	7.2	8.5	10.0	10.0	10.0	10.0	9.7	10.0
432	172241	13000	10	RUSTIC AV	BLUEGRASS ST	BOUNTIFUL ST	Local	ACP	37	350	1,439	10.0	9.8	10.0	10.0	10.0	10.0	10.0	9.5	10.0
433	172242	13000	20	RUSTIC AV	BOUNTIFUL ST	BRADBURY ST	Local	ACP	33	286	1,050	10.0	8.3	10.0	10.0	10.0	10.0	10.0	9.7	10.0
434	172243	13000	30	RUSTIC AV	BRADBURY ST	BUFFALO ST	Local	ACP	33	343	1,256	10.0	8.4	10.0	10.0	10.0	10.0	10.0	9.7	10.0
435	172244	13000	40	RUSTIC AV	BUFFALO ST	BTTESFIELD ST	Local	ACP	37	328	1,350	10.0	7.9	10.0	10.0	10.0	10.0	10.0	9.6	10.0
436	172245	13000	50	RUSTIC AV	BTTESFIELD ST	CASCADE ST	Local	ACP	33	849	3,114	10.0	8.4	10.0	10.0	10.0	9.7	10.0	9.7	10.0
437	172246	13000	60	RUSTIC AV	CASCADE ST	CDS	Local	ACP	41	285	1,298	10.0	9.4	10.0	10.0	10.0	10.0	10.0	9.6	10.0
631	172247	13100	10	SABLE AV	SH FRONTAGE RD	SURFACE CHANGE	Arterial	ACP	24	1,373	3,662	10.0	7.8	9.1	10.0	9.1	9.7	10.0	9.8	9.8
438	172248	13200	10	SABLE AV	SRFCH	BIRCH ST	Arterial	ACP	29	45	144	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.5	10.0
439	172250	13200	20	SABLE AV	BIRCH ST	WIDCH	Arterial	ACP	33	792	2,905	10.0	8.2	9.0	10.0	10.0	10.0	10.0	9.7	10.0
440	172251	13200	30	SABLE AV	WIDTH OF SURFACE CHANGE	BUFFALO ST	Arterial	ACP	56	396	2,462	10.0	7.6	8.4	10.0	10.0	10.0	10.0	9.7	10.0
441	172252	13200	40	SABLE AV	BUFFALO ST	WIDCH	Arterial	ACP	56	317	1,972	10.0	8.2	8.8	10.0	10.0	10.0	10.0	10.0	10.0
442	172253	13200	50	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	36	423	1,690	10.0	8.0	10.0	10.0	9.0	10.0	10.0	10.0	10.0
443	172254	13200	60	SABLE AV	WIDTH OF SURFACE CHANGE	CASCADE ST	Arterial	ACP	52	304	1,757	10.0	7.6	8.9	10.0	10.0	10.0	10.0	9.8	10.0
444	172255	13200	70	SABLE AV	CASCADE ST	LNCHG	Arterial	ACP	47	211	1,103	10.0	7.8	8.8	10.0	10.0	10.0	10.0	10.0	10.0
445	172256	13200	80	SABLE AV	CHANGE IN OF THRU LANES	WIDCH	Arterial	ACP	44	739	3,615	10.0	8.0	9.0	10.0	9.7	10.0	10.0	9.8	9.4
446	172257	13200	90	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	40	106	469	10.0	7.9	10.0	10.0	10.0	10.0	10.0	9.7	8.6
447	172258	13200	100	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	33	1,109	4,067	10.0	7.9	8.7	10.0	10.0	9.4	10.0	9.8	9.2
448	172259	13200	110	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	33	634	2,324	10.0	6.7	8.8	10.0	10.0	10.0	10.0	9.7	10.0
449	172260	13200	120	SABLE AV	WIDTH OF SURFACE CHANGE	COLORADO BD	Arterial	ACP	44	348	1,700	10.0	7.6	8.5	10.0	10.0	10.0	10.0	9.7	10.0
450	172261	13200	130	SABLE AV	COLORADO BD	LNCHG	Arterial	ACP	56	264	1,643	9.2	8.1	8.9	10.0	10.0	10.0	10.0	9.7	9.4
451	172262	13200	140	SABLE AV	CHANGE IN OF THRU LANES	DEVONSHIRE ST	Arterial	ACP	52	341	1,972	9.0	8.1	8.8	10.0	10.0	10.0	10.0	10.0	8.2
452	172263	13200	150	SABLE AV	DEVONSHIRE ST	WIDCH	Arterial	ACP	44	687	3,357	10.0	8.1	8.7	10.0	10.0	10.0	10.0	9.7	10.0
453	172264	13200	160	SABLE AV	WIDTH OF SURFACE CHANGE	PARK AV	Arterial	ACP	58	682	4,397	10.0	7.9	8.6	10.0	10.0	10.0	10.0	9.7	9.9
454	172265	13200	170	SABLE AV	PARK AV	WIDCH	Arterial	ACP	51	423	2,394	9.5	8.4	8.9	10.0	10.0	10.0	10.0	9.8	9.8
455	172266	13200	180	SABLE AV	WIDTH OF SURFACE CHANGE	FRONTIER ST	Arterial	ACP	30	2,554	8,514	9.9	7.0	8.9	10.0	9.7	10.0	10.0	9.8	9.0
456	172267	13300	10	SADDLEBACK AV	DEVONSHIRE ST	ST VRAIN RANCH BD	Local	ACP	33	1,374	5,037	10.0	9.3	10.0	10.0	10.0	10.0	10.0	9.6	10.0
457	172268	13300	20	SADDLEBACK AV	ST VRAIN RANCH BD	SHENANDOAH AV	Local	ACP	35	3,267	12,705	10.0	7.4	9.0	10.0	10.0	10.0	10.0	9.7	10.0
334	173243	13400	10	SAGE AV	DEVONSHIRE ST	DOGWOOD ST	Local	ACP	33	320	1,173	10.0	9.7	10.0	10.0	10.0	10.0	10.0	9.5	10.0
458	172269	13400	20	SAGE AV	DOGWOOD ST	DOVER ST	Local	ACP	33	280	1,026	10.0	9.1	10.0	10.0	10.0	10.0	10.0	9.5	10.0
459	172270	13400	30	SAGE AV	DOVER ST	ST VRAIN RANCH BD	Local	ACP	33	777	2,848	10.0	7.5	10.0	10.0	10.0	10.0	10.0	9.6	9.7
460	172271	13400	40	SAGE AV	ST VRAIN RANCH BD	EASTVIEW ST	Local	ACP	37	431	1,771	10.0	7.2	8.9	10.0	10.0	10.0	10.0	9.7	10.0
461	172272	13400	50	SAGE AV	EASTVIEW ST	SCENIC CT	Local	ACP	37	557	2,291	10.0	6.5	8.8	10.0	10.0	10.0	10.0	9.7	10.0
462	172273	13400	60	SAGE AV	SCENIC CT	FALCON ST	Local	ACP	33	739	2,708	10.0	7.6	8.8	10.0	10.0	10.0	10.0	9.7	10.0
463	172274	13400	70	SAGE AV	FALCON ST	FARMDALE ST	Local	ACP	37	263	1,082	10.0	7.9	10.0	10.0	10.0	10.0	10.0	9.7	10.0
464	172275	13400	80	SAGE AV	FARMDALE ST	CDS	Local	ACP	42	356	1,661	10.0	9.5	10.0	10.0	10.0	10.0	10.0	9.5	10.0
465	172276	13500	10	SANDY RIDGE AV	BEGIN	MONARCH DR	Local	ACP	33	140	515	10.0	8.0	10.0	10.0	10.0	10.0	10.0	9.7	10.0
466	172277	13500	20	SANDY RIDGE AV	MONARCH DR	AUDREY ST	Local	ACP	33	163	599	10.0	8.3	10.0	10.0	10.0	10.0	10.0	9.7	9.5
467	172278	13500	30	SANDY RIDGE AV	AUDREY ST	BALD EAGLE ST	Local	ACP	33	560	2,054	10.0	8.9	10.0	10.0	10.0	9.6	10.0	9.7	9.7
468	172279	13500	40	SANDY RIDGE AV	BALD EAGLE ST	BARRON ST	Local	ACP	33	444	1,630	10.0	8.3	8.8	10.0	10.0	10.0	10.0	9.7	10.0
469	172280	13500	50	SANDY RIDGE AV	BARRON ST	BELMONT ST	Local	ACP	33	470	1,722	9.5	7.7	8.7	10.0	10.0	10.0	10.0	9.7	9.6
470	172281	13500	60	SANDY RIDGE AV	BELMONT ST	BIRCH ST	Local	ACP	33	219	802	10.0	7.5	8.4	10.0	10.0	10.0	10.0	9.5	10.0

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Pavement Condition Summary								
												Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)
471	172282	13600	10	SANDY RIDGE AV	BRIARWOOD ST	BUFFALO ST	Local	ACP	33	257	941	90	70	70	80	7/1/2014	Moderate	Very Good	0	10
472	172283	13600	20	SANDY RIDGE AV	BUFFALO ST	BUTTESFIELD ST	Local	ACP	33	217	796	94	83	70	85	7/1/2014	Moderate	Excellent	0	6
473	172284	13600	30	SANDY RIDGE AV	BUTTESFIELD ST	END OF ROAD	Local	ACP	33	159	581	94	82	70	85	7/1/2014	Moderate	Very Good	0	6
474	172285	13700	10	SANDY RIDGE CT	EASTVIEW AV	CDS	Local	ACP	39	682	2,957	77	57	70	70	7/1/2014	Moderate	Good	1	23
475	172286	13900	10	SCENIC AV	MONARCH DR	CDS	Local	ACP	43	223	1,068	73	56	70	68	7/1/2014	Moderate	Good	12	15
476	172287	14000	10	SCENIC AV	SHENANDOAH AV	SHENANDOAH AV	Local	ACP	33	1,362	4,994	64	61	70	65	7/1/2014	Moderate	Good	14	23
477	172288	14000	20	SCENIC AV	SHENANDOAH AV	BOOTH DR	Local	ACP	33	259	951	56	63	70	61	7/1/2014	Moderate	Good	12	32
615	172289	13800	10	SCENIC CT	SAGE AV	CDS	Local	ACP	40	691	3,070	86	67	70	77	7/1/2014	Moderate	Very Good	0	14
482	172295	14100	10	SH FRONTAGE RD	FIRESTONE BD	WIDCH	Arterial	PCC	78	211	1,831	100	90	88	94	7/1/2014	Strong	Excellent	0	0
483	172296	14100	20	SH FRONTAGE RD	WIDTH OF SURFACE CHANGE	UNION ST	Arterial	PCC	72	584	4,674	100	90	43	83	7/1/2014	Weak	Very Good	0	0
484	172297	14100	30	SH FRONTAGE RD	UNION ST	BUSINESS PARK CI	Arterial	PCC	72	462	3,700	95	85	82	89	7/1/2014	Strong	Excellent	0	0
485	172298	14100	40	SH FRONTAGE RD	BUSINESS PARK CI	BUSINESS PARK CI	Arterial	PCC	59	1,090	7,145	100	90	82	93	7/1/2014	Strong	Excellent	0	0
486	172299	14100	50	SH FRONTAGE RD	BUSINESS PARK CI	ROAD 24.50	Arterial	PCC	44	592	2,896	100	90	96	97	7/1/2014	Strong	Excellent	0	0
487	172300	14200	10	SHENANDOAH AV	SILVERLEAF AV	CUL DE SAC	Local	ACP	42	344	1,607	63	56	70	63	7/1/2014	Moderate	Good	15	22
488	172301	14300	10	SHENANDOAH AV	CHERRYVALE ST	COAL MINE ST	Local	ACP	37	495	2,036	90	74	70	81	7/1/2014	Moderate	Very Good	0	10
489	172302	14300	20	SHENANDOAH AV	COAL MINE ST	SCENIC AV	Local	ACP	33	480	1,761	89	83	70	83	7/1/2014	Moderate	Very Good	0	11
490	172303	14400	10	SHENANDOAH AV	DEVONSHIRE ST	DOGWOOD ST	Collector	ACP	33	245	898	57	46	70	57	7/1/2014	Moderate	Fair	24	19
491	172304	14400	20	SHENANDOAH AV	DOGWOOD ST	DOVER ST	Collector	ACP	33	308	1,130	67	75	70	70	7/1/2014	Moderate	Good	14	19
492	172305	14400	30	SHENANDOAH AV	DOVER ST	DRESDEN ST	Collector	ACP	33	304	1,116	90	73	74	82	7/1/2014	Moderate	Very Good	0	10
493	172306	14400	40	SHENANDOAH AV	DRESDEN ST	DUSK ST	Collector	ACP	38	377.12	1,592	70	70	75	71	7/1/2014	Strong	Very Good	0	30
494	172307	14400	50	SHENANDOAH AV	DUSK ST	ST VRAIN RANCH BD	Collector	ACP	37	191.24	786	78	65	72	74	7/1/2014	Moderate	Very Good	10	12
495	172308	14400	60	SHENANDOAH AV	ST VRAIN RANCH BD	EASTVIEW AV	Collector	ACP	33	427.49	1,567	78	61	70	72	7/1/2014	Moderate	Very Good	7	15
496	172309	14400	70	SHENANDOAH AV	EASTVIEW AV	ECHO CI	Collector	ACP	37	268	1,102	77	58	70	71	7/1/2014	Moderate	Very Good	0	23
497	172310	14400	80	SHENANDOAH AV	ECHO CI	ECHO CI	Collector	ACP	33	300	1,100	82	64	70	75	7/1/2014	Moderate	Very Good	0	18
498	172311	14400	90	SHENANDOAH AV	ECHO CI	SILVERLEAF AV	Collector	ACP	33	303	1,113	85	66	70	76	7/1/2014	Moderate	Very Good	0	15
614	172312	14400	100	SHENANDOAH AV	SILVERLEAF AV	FALCON ST	Collector	ACP	33	292	1,069	98	89	70	89	7/1/2014	Moderate	Excellent	0	2
601	173244	14400	110	SHENANDOAH AV	FALCON ST	FARMDALE ST	Collector	ACP	33	284	1,043	98	89	70	89	7/1/2014	Moderate	Excellent	0	2
499	172313	14400	120	SHENANDOAH AV	FARMDALE ST	FERNCREST ST	Collector	ACP	33	364	1,335	96	86	70	87	7/1/2014	Moderate	Excellent	0	4
343	172314	14400	130	SHENANDOAH AV	FERNCREST ST	SADDLEBACK AV	Collector	ACP	37	343	1,409	98	89	70	89	7/1/2014	Moderate	Excellent	0	2
344	172315	14400	140	SHENANDOAH AV	SADDLEBACK AV	FRONTIER ST	Collector	ACP	33	287	1,053	92	76	73	83	7/1/2014	Moderate	Very Good	0	8
345	172316	14500	10	SHERILYNN CI	GRANT AV	GRANT AV	Local	ACP	38	1,364	5,761	87	74	63	78	7/1/2014	Moderate	Very Good	10	4
346	172317	14700	10	SILVERLEAF AV	MONARCH DR	AUTUMN ST	Local	ACP	33	419	1,536	77	71	70	74	7/1/2014	Moderate	Very Good	15	8
347	172318	14700	20	SILVERLEAF AV	AUTUMN ST	BALD EAGLE ST	Local	ACP	33	352	1,290	85	66	70	77	7/1/2014	Moderate	Very Good	2	13
348	172319	14700	30	SILVERLEAF AV	BALD EAGLE ST	SHENANDOAH AV	Local	ACP	33	252	924	72	63	70	69	7/1/2014	Moderate	Good	12	16
349	172320	14700	40	SILVERLEAF AV	SHENANDOAH AV	BARRON ST	Local	ACP	38	248	1,047	71	66	70	69	7/1/2014	Moderate	Good	17	12
350	172321	14700	50	SILVERLEAF AV	BARRON ST	CDS	Local	ACP	42	193	900	67	55	70	65	7/1/2014	Moderate	Good	13	19
351	172322	14800	10	SILVERLEAF AV	CHERRYVALE ST	BOOTH DR	Local	ACP	33	402	1,472	67	57	70	65	7/1/2014	Moderate	Good	19	15
594	173900	14900	10	SILVERLEAF AV	SHENANDOAH AV	FALCON ST	Local	ACP	37	967	3,974	63	68	70	66	7/1/2014	Moderate	Good	13	24
352	172323	14900	20	SILVERLEAF AV	FALCON ST	FARMDALE ST	Local	ACP	33	290	1,064	61	74	70	66	7/1/2014	Moderate	Good	13	26
353	172324	14900	30	SILVERLEAF AV	FARMDALE ST	FERNCREST ST	Local	ACP	37	282	1,160	60	62	70	63	7/1/2014	Moderate	Good	14	26
354	172325	14900	40	SILVERLEAF AV	FERNCREST ST	FOXFIRE ST	Local	ACP	33	316	1,158	61	65	70	64	7/1/2014	Moderate	Good	16	23
355	172326	14600	10	SILVERLEAF CT	EASTVIEW AV	CDS	Local	ACP	48	170	908	68	60	70	66	7/1/2014	Moderate	Good	13	19

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
471	172282	13600	10	SANDY RIDGE AV	BRIARWOOD ST	BUFFALO ST	Local	ACP	33	257	941	3680	3	632	2,318	83	Moderate	Local	ACP
472	172283	13600	20	SANDY RIDGE AV	BUFFALO ST	BUTTESFIELD ST	Local	ACP	33	217	796	3680	3	632	2,318	83	Moderate	Local	ACP
473	172284	13600	30	SANDY RIDGE AV	BUTTESFIELD ST	END OF ROAD	Local	ACP	33	159	581	3680	3	632	2,318	83	Moderate	Local	ACP
474	172285	13700	10	SANDY RIDGE CT	EASTVIEW AV	CDS	Local	ACP	39	682	2,957	3690	1	682	2,957	69	Moderate	Local	ACP
475	172286	13900	10	SCENIC AV	MONARCH DR	CDS	Local	ACP	43	223	1,068	3700	1	223	1,068	68	Moderate	Local	ACP
476	172287	14000	10	SCENIC AV	SHENANDOAH AV	SHENANDOAH AV	Local	ACP	33	1,362	4,994	3710	2	1,621	5,945	64	Moderate	Local	ACP
477	172288	14000	20	SCENIC AV	SHENANDOAH AV	BOOTH DR	Local	ACP	33	259	951	3710	2	1,621	5,945	64	Moderate	Local	ACP
615	172289	13800	10	SCENIC CT	SAGE AV	CDS	Local	ACP	40	691	3,070	3720	1	691	3,070	77	Moderate	Local	ACP
482	172295	14100	10	SH FRONTAGE RD	FIRESTONE BD	WIDCH	Arterial	PCC	78	211	1,831	3730	5	2,940	20,245	90	Strong	Arterial	PCC
483	172296	14100	20	SH FRONTAGE RD	WIDTH OF SURFACE CHANGE	UNION ST	Arterial	PCC	72	584	4,674	3730	5	2,940	20,245	90	Strong	Arterial	PCC
484	172297	14100	30	SH FRONTAGE RD	UNION ST	BUSINESS PARK CI	Arterial	PCC	72	462	3,700	3730	5	2,940	20,245	90	Strong	Arterial	PCC
485	172298	14100	40	SH FRONTAGE RD	BUSINESS PARK CI	BUSINESS PARK CI	Arterial	PCC	59	1,090	7,145	3730	5	2,940	20,245	90	Strong	Arterial	PCC
486	172299	14100	50	SH FRONTAGE RD	BUSINESS PARK CI	ROAD 24.50	Arterial	PCC	44	592	2,896	3730	5	2,940	20,245	90	Strong	Arterial	PCC
487	172300	14200	10	SHENANDOAH AV	SILVERLEAF AV	CUL DE SAC	Local	ACP	42	344	1,607	3740	1	344	1,607	63	Moderate	Local	ACP
488	172301	14300	10	SHENANDOAH AV	CHERRYVALE ST	COAL MINE ST	Local	ACP	37	495	2,036	3750	2	975	3,796	81	Moderate	Local	ACP
489	172302	14300	20	SHENANDOAH AV	SCENIC AV	SCENIC AV	Local	ACP	33	480	1,761	3750	2	975	3,796	81	Moderate	Local	ACP
490	172303	14400	10	SHENANDOAH AV	DEVONSHIRE ST	DOGWOOD ST	Collector	ACP	33	245	898	3760	5	1,426	5,523	71	Moderate	Collector	ACP
491	172304	14400	20	SHENANDOAH AV	DOGWOOD ST	DOVER ST	Collector	ACP	33	308	1,130	3760	5	1,426	5,523	71	Moderate	Collector	ACP
492	172305	14400	30	SHENANDOAH AV	DOVER ST	DRESDEN ST	Collector	ACP	33	304	1,116	3760	5	1,426	5,523	71	Moderate	Collector	ACP
493	172306	14400	40	SHENANDOAH AV	DRESDEN ST	DUSK ST	Collector	ACP	38	377.12	1,592	3760	5	1,426	5,523	71	Moderate	Collector	ACP
494	172307	14400	50	SHENANDOAH AV	DUSK ST	ST VRAIN RANCH BD	Collector	ACP	37	191.24	786	3760	5	1,426	5,523	71	Moderate	Collector	ACP
495	172308	14400	60	SHENANDOAH AV	ST VRAIN RANCH BD	EASTVIEW AV	Collector	ACP	33	427.49	1,567	3770	4	1,299	4,882	73	Moderate	Collector	ACP
496	172309	14400	70	SHENANDOAH AV	EASTVIEW AV	ECHO CI	Collector	ACP	37	268	1,102	3770	4	1,299	4,882	73	Moderate	Collector	ACP
497	172310	14400	80	SHENANDOAH AV	ECHO CI	ECHO CI	Collector	ACP	33	300	1,100	3770	4	1,299	4,882	73	Moderate	Collector	ACP
498	172311	14400	90	SHENANDOAH AV	ECHO CI	SILVERLEAF AV	Collector	ACP	33	303	1,113	3770	4	1,299	4,882	73	Moderate	Collector	ACP
614	172312	14400	100	SHENANDOAH AV	SILVERLEAF AV	FALCON ST	Collector	ACP	33	292	1,069	3780	5	1,570	5,910	87	Moderate	Collector	ACP
601	173244	14400	110	SHENANDOAH AV	FALCON ST	FARMDALE ST	Collector	ACP	33	284	1,043	3780	5	1,570	5,910	87	Moderate	Collector	ACP
499	172313	14400	120	SHENANDOAH AV	FARMDALE ST	FERNCREST ST	Collector	ACP	33	364	1,335	3780	5	1,570	5,910	87	Moderate	Collector	ACP
343	172314	14400	130	SHENANDOAH AV	FERNCREST ST	SADDLEBACK AV	Collector	ACP	37	343	1,409	3780	5	1,570	5,910	87	Moderate	Collector	ACP
344	172315	14400	140	SHENANDOAH AV	SADDLEBACK AV	FRONTIER ST	Collector	ACP	33	287	1,053	3780	5	1,570	5,910	87	Moderate	Collector	ACP
345	172316	14500	10	SHERILYNN CI	GRANT AV	GRANT AV	Local	ACP	38	1,364	5,761	3790	1	1,364	5,761	77	Moderate	Local	ACP
346	172317	14700	10	SILVERLEAF AV	MONARCH DR	AUTUMN ST	Local	ACP	33	419	1,536	3800	2	771	2,827	75	Moderate	Local	ACP
347	172318	14700	20	SILVERLEAF AV	AUTUMN ST	BALD EAGLE ST	Local	ACP	33	352	1,290	3800	2	771	2,827	75	Moderate	Local	ACP
348	172319	14700	30	SILVERLEAF AV	BALD EAGLE ST	SHENANDOAH AV	Local	ACP	33	252	924	3810	3	693	2,871	67	Moderate	Local	ACP
349	172320	14700	40	SILVERLEAF AV	SHENANDOAH AV	BARRON ST	Local	ACP	38	248	1,047	3810	3	693	2,871	67	Moderate	Local	ACP
350	172321	14700	50	SILVERLEAF AV	BARRON ST	CDS	Local	ACP	42	193	900	3810	3	693	2,871	67	Moderate	Local	ACP
351	172322	14800	10	SILVERLEAF AV	CHERRYVALE ST	BOOTH DR	Local	ACP	33	402	1,472	3820	1	402	1,472	64	Moderate	Local	ACP
594	173900	14900	10	SILVERLEAF AV	SHENANDOAH AV	FALCON ST	Local	ACP	37	967	3,974	3830	4	1,855	7,356	65	Moderate	Local	ACP
352	172323	14900	20	SILVERLEAF AV	FALCON ST	FARMDALE ST	Local	ACP	33	290	1,064	3830	4	1,855	7,356	65	Moderate	Local	ACP
353	172324	14900	30	SILVERLEAF AV	FARMDALE ST	FERNCREST ST	Local	ACP	37	282	1,160	3830	4	1,855	7,356	65	Moderate	Local	ACP
354	172325	14900	40	SILVERLEAF AV	FERNCREST ST	FOXFIRE ST	Local	ACP	33	316	1,158	3830	4	1,855	7,356	65	Moderate	Local	ACP
355	172326	14600	10	SILVERLEAF CT	EASTVIEW AV	CDS	Local	ACP	48	170	908	3840	1	170	908	66	Moderate	Local	ACP

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
471	172282	13600	10	SANDY RIDGE AV	BRIARWOOD ST	BUFFALO ST	Local	ACP	33	257	941	10.0	9.1	10.0	10.0	10.0	10.0	10.0	9.6	10.0
472	172283	13600	20	SANDY RIDGE AV	BUFFALO ST	BUTTESFIELD ST	Local	ACP	33	217	796	10.0	9.6	10.0	10.0	10.0	10.0	10.0	9.6	10.0
473	172284	13600	30	SANDY RIDGE AV	BUTTESFIELD ST	END OF ROAD	Local	ACP	33	159	581	10.0	9.5	10.0	10.0	10.0	10.0	10.0	9.6	10.0
474	172285	13700	10	SANDY RIDGE CT	EASTVIEW AV	CDS	Local	ACP	39	682	2,957	10.0	7.4	10.0	10.0	10.0	10.0	10.0	9.6	9.9
475	172286	13900	10	SCENIC AV	MONARCH DR	CDS	Local	ACP	43	223	1,068	10.0	8.4	8.8	10.0	10.0	10.0	10.0	9.6	10.0
476	172287	14000	10	SCENIC AV	SHENANDOAH AV	SHENANDOAH AV	Local	ACP	33	1,362	4,994	10.0	7.4	8.6	10.0	10.0	10.0	10.0	9.6	10.0
477	172288	14000	20	SCENIC AV	SHENANDOAH AV	BOOTH DR	Local	ACP	33	259	951	10.0	7.3	9.0	10.0	10.0	9.7	10.0	8.2	10.0
615	172289	13800	10	SCENIC CT	SAGE AV	CDS	Local	ACP	40	691	3,070	10.0	8.6	10.0	10.0	10.0	10.0	10.0	9.5	10.0
482	172295	14100	10	SH FRONTAGE RD	FIRESTONE BD	WIDCH	Arterial	PCC	78	211	1,831	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
483	172296	14100	20	SH FRONTAGE RD	WIDTH OF SURFACE CHANGE	UNION ST	Arterial	PCC	72	584	4,674	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
484	172297	14100	30	SH FRONTAGE RD	UNION ST	BUSINESS PARK CI	Arterial	PCC	72	462	3,700	10.0	9.6	10.0	10.0	10.0	10.0	10.0	9.4	10.0
485	172298	14100	40	SH FRONTAGE RD	BUSINESS PARK CI	BUSINESS PARK CI	Arterial	PCC	59	1,090	7,145	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
486	172299	14100	50	SH FRONTAGE RD	BUSINESS PARK CI	ROAD 24.50	Arterial	PCC	44	592	2,896	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
487	172300	14200	10	SHENANDOAH AV	SILVERLEAF AV	CUL DE SAC	Local	ACP	42	344	1,607	10.0	7.5	8.5	10.0	10.0	10.0	10.0	9.6	10.0
488	172301	14300	10	SHENANDOAH AV	CHERRYVALE ST	COAL MINE ST	Local	ACP	37	495	2,036	10.0	9.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
489	172302	14300	20	SHENANDOAH AV	SCENIC AV	SCENIC AV	Local	ACP	33	480	1,761	10.0	9.0	10.0	10.0	10.0	10.0	9.8	9.6	10.0
490	172303	14400	10	SHENANDOAH AV	DEVONSHIRE ST	DOGWOOD ST	Collector	ACP	33	245	898	10.0	7.8	8.7	10.0	10.0	10.0	10.0	9.6	8.6
491	172304	14400	20	SHENANDOAH AV	DOGWOOD ST	DOVER ST	Collector	ACP	33	308	1,130	10.0	7.8	8.6	10.0	10.0	10.0	10.0	9.7	10.0
492	172305	14400	30	SHENANDOAH AV	DOVER ST	DRESDEN ST	Collector	ACP	33	304	1,116	10.0	9.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
493	172306	14400	40	SHENANDOAH AV	DRESDEN ST	DUSK ST	Collector	ACP	38	377.12	1,592	10.0	6.5	10.0	10.0	10.0	10.0	10.0	9.7	10.0
494	172307	14400	50	SHENANDOAH AV	DUSK ST	ST VRAIN RANCH BD	Collector	ACP	37	191.24	786	10.0	8.7	10.0	10.0	10.0	10.0	10.0	9.7	8.8
495	172308	14400	60	SHENANDOAH AV	ST VRAIN RANCH BD	EASTVIEW AV	Collector	ACP	33	427.49	1,567	10.0	8.3	10.0	10.0	10.0	10.0	10.0	9.7	9.1
496	172309	14400	70	SHENANDOAH AV	EASTVIEW AV	ECHO CI	Collector	ACP	37	268	1,102	10.0	7.5	10.0	10.0	10.0	10.0	10.0	9.5	10.0
497	172310	14400	80	SHENANDOAH AV	ECHO CI	ECHO CI	Collector	ACP	33	300	1,100	10.0	8.1	10.0	10.0	10.0	10.0	10.0	9.5	10.0
498	172311	14400	90	SHENANDOAH AV	ECHO CI	SILVERLEAF AV	Collector	ACP	33	303	1,113	10.0	8.4	10.0	10.0	10.0	10.0	10.0	9.5	10.0
614	172312	14400	100	SHENANDOAH AV	SILVERLEAF AV	FALCON ST	Collector	ACP	33	292	1,069	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
601	173244	14400	110	SHENANDOAH AV	FALCON ST	FARMDALE ST	Collector	ACP	33	284	1,043	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
499	172313	14400	120	SHENANDOAH AV	FARMDALE ST	FERNCREST ST	Collector	ACP	33	364	1,335	10.0	9.7	10.0	10.0	10.0	10.0	10.0	9.6	10.0
343	172314	14400	130	SHENANDOAH AV	FERNCREST ST	SADDLEBACK AV	Collector	ACP	37	343	1,409	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0
344	172315	14400	140	SHENANDOAH AV	SADDLEBACK AV	FRONTIER ST	Collector	ACP	33	287	1,053	10.0	9.3	10.0	10.0	10.0	10.0	10.0	9.5	10.0
345	172316	14500	10	SHERILYNN CI	GRANT AV	GRANT AV	Local	ACP	38	1,364	5,761	9.0	9.8	10.0	10.0	10.0	10.0	10.0	9.6	10.0
346	172317	14700	10	SILVERLEAF AV	MONARCH DR	AUTUMN ST	Local	ACP	33	419	1,536	10.0	9.3	10.0	10.0	10.0	10.0	10.0	9.6	8.1
347	172318	14700	20	SILVERLEAF AV	AUTUMN ST	BALD EAGLE ST	Local	ACP	33	352	1,290	10.0	8.7	10.0	10.0	10.0	10.0	10.0	9.6	9.7
348	172319	14700	30	SILVERLEAF AV	BALD EAGLE ST	SHENANDOAH AV	Local	ACP	33	252	924	10.0	8.3	8.8	10.0	10.0	10.0	10.0	9.6	10.0
349	172320	14700	40	SILVERLEAF AV	SHENANDOAH AV	BARRON ST	Local	ACP	38	248	1,047	10.0	8.6	9.0	10.0	10.0	10.0	10.0	9.7	9.2
350	172321	14700	50	SILVERLEAF AV	BARRON ST	CDS	Local	ACP	42	193	900	10.0	7.8	8.7	10.0	10.0	10.0	10.0	9.7	9.9
351	172322	14800	10	SILVERLEAF AV	CHERRYVALE ST	BOOTH DR	Local	ACP	33	402	1,472	10.0	8.4	8.9	10.0	10.0	10.0	10.0	9.7	9.1
594	173900	14900	10	SILVERLEAF AV	SHENANDOAH AV	FALCON ST	Local	ACP	37	967	3,974	10.0	7.2	8.7	10.0	10.0	10.0	10.0	9.7	10.0
352	172323	14900	20	SILVERLEAF AV	FALCON ST	FARMDALE ST	Local	ACP	33	290	1,064	10.0	7.0	8.7	10.0	10.0	10.0	10.0	9.7	10.0
353	172324	14900	30	SILVERLEAF AV	FARMDALE ST	FERNCREST ST	Local	ACP	37	282	1,160	10.0	7.0	8.6	10.0	10.0	10.0	10.0	9.7	10.0
354	172325	14900	40	SILVERLEAF AV	FERNCREST ST	FOXFIRE ST	Local	ACP	33	316	1,158	10.0	7.4	8.4	10.0	10.0	10.0	10.0	9.6	10.0
355	172326	14600	10	SILVERLEAF CT	EASTVIEW AV	CDS	Local	ACP	48	170	908	10.0	7.9	8.7	10.0	10.0	10.0	10.0	9.7	10.0

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Pavement Condition Summary									
												Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)	
356	172331	15000	10	SNOWBERRY AV	CUL DE SAC	DAHLIA ST	Local	ACP	44	115	561	98	89	75	90	7/1/2014	Strong	Excellent	0	2	
357	172332	15000	20	SNOWBERRY AV	DAHLIA ST	DEVONSHIRE ST	Local	ACP	33	295	1,081	84	73	70	78	7/1/2014	Moderate	Very Good	14	2	
358	172333	15000	30	SNOWBERRY AV	DEVONSHIRE ST	SPARROW CI	Local	ACP	33	272	997	63	63	70	65	7/1/2014	Moderate	Good	19	18	
359	172334	15000	40	SNOWBERRY AV	SPARROW CI	SPARROW CI	Local	ACP	33	480	1,758	67	68	70	68	7/1/2014	Moderate	Good	17	17	
360	172335	15000	50	SNOWBERRY AV	SPARROW CI	NMCHG	Local	ACP	33	264	968	70	65	70	69	7/1/2014	Moderate	Good	11	19	
361	172336	15100	10	SPARROW AV	BLUEGRASS ST	BOUNTIFUL ST	Local	ACP	33	301	1,103	97	88	74	89	7/1/2014	Moderate	Excellent	1	2	
362	172337	15200	10	SPARROW AV	BOOTH DR	COAL RIDGE ST	Local	ACP	38	690	2,913	67	59	70	66	7/1/2014	Moderate	Good	14	20	
363	172338	15200	20	SPARROW AV	COAL RIDGE ST	BOOTH DR	Local	ACP	38	436	1,842	68	64	70	67	7/1/2014	Moderate	Good	14	19	
364	172339	15300	10	SPARROW AV	DEERFIELD ST	CUL DE SAC	Local	ACP	42	120	560	71	60	70	68	7/1/2014	Moderate	Good	13	16	
365	172340	15300	20	SPARROW AV	DEVONSHIRE ST	DEERFIELD ST	Local	ACP	33	250	917	85	67	70	77	7/1/2014	Moderate	Very Good	0	15	
366	172341	15400	10	SPARROW AV	DRESDEN ST	ST VRAIN RANCH BD	Local	ACP	33	355	1,301	84	65	70	75	7/1/2014	Moderate	Very Good	0	17	
367	172342	15500	10	SPARROW CI	SNOWBERRY AV	SNOWBERRY AV	Local	ACP	33	871	3,193	61	49	70	61	7/1/2014	Moderate	Good	21	17	
500	172350	15600	10	ST VRAIN RANCH BD	SABLE AV	LNCHG	Collector	ACP	44	106	516	75	60	55	66	7/1/2014	Moderate	Good	8	17	
603	172351	15600	20	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	LNCHG	Collector	ACP	33	88	322	83	64	76	76	7/1/2014	Strong	Very Good	7	10	
501	172352	15600	30	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	SADDLEBACK AV	Collector	ACP	44	81	394	76	56	22	58	7/1/2014	Weak	Fair	11	12	
502	172353	15600	40	ST VRAIN RANCH BD	SADDLEBACK AV	LNCHG	Collector	ACP	39	158	687	76	56	32	60	7/1/2014	Weak	Fair	11	13	
581	172547	15600	50	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	LNCHG	Collector	ACP	31	53	182	85	66	44	70	7/1/2014	Weak	Good	0	15	
503	172354	15600	60	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	SAGE AV	Collector	ACP	40	161	715	90	70	85	84	7/1/2014	Strong	Very Good	0	10	
504	172355	15600	70	ST VRAIN RANCH BD	SAGE AV	LNCHG	Collector	ACP	40	211	939	88	69	46	73	7/1/2014	Moderate	Very Good	0	12	
505	172356	15600	80	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	LNCHG	Collector	ACP	33	423	1,549	73	70	39	64	7/1/2014	Weak	Good	12	15	
506	172357	15600	90	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	SHENANDOAH AV	Collector	ACP	44	220	1,076	91	74	75	83	7/1/2014	Moderate	Very Good	0	9	
507	172358	15600	100	ST VRAIN RANCH BD	SHENANDOAH AV	LNCHG	Collector	ACP	44	158	775	88	69	85	82	7/1/2014	Strong	Very Good	0	12	
508	172359	15600	110	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	EASTVIEW AV	Collector	ACP	31	111	383	82	63	68	73	7/1/2014	Moderate	Very Good	0	19	
509	172360	15600	120	ST VRAIN RANCH BD	EASTVIEW AV	SPARROW AV	Collector	ACP	40	485	2,157	85	67	65	76	7/1/2014	Moderate	Very Good	0	15	
510	172361	15600	130	ST VRAIN RANCH BD	SPARROW AV	FALCON ST	Collector	ACP	49	1,454	7,918	69	70	59	67	7/1/2014	Moderate	Good	17	14	
511	172362	15600	140	ST VRAIN RANCH BD	FALCON ST	QUIGLEY CI	Collector	ACP	48	540	2,880	85	67	45	71	7/1/2014	Weak	Very Good	0	15	
512	172363	15600	150	ST VRAIN RANCH BD	QUIGLEY CI	FOXFIRE ST	Collector	ACP	44	688	3,363	89	72	56	76	7/1/2014	Moderate	Very Good	0	11	
513	172364	15600	160	ST VRAIN RANCH BD	FOXFIRE ST	FRONTIER ST	Collector	ACP	44	302	1,476	70	67	21	57	7/1/2014	Weak	Fair	13	17	
368	172343	15700	10	STAGECOACH AV	BOOTH DR	SUMMERSET AV	Local	ACP	33	872	3,196	70	64	70	69	7/1/2014	Moderate	Good	13	16	
369	172344	15700	20	STAGECOACH AV	SUMMERSET AV	BOOTH DR	Local	ACP	33	353	1,294	68	66	75	69	7/1/2014	Strong	Good	14	18	
370	172345	15800	10	STAGECOACH AV	DEVONSHIRE ST	TAYLOR AV	Local	ACP	33	309	1,132	79	60	70	72	7/1/2014	Moderate	Very Good	3	17	
371	172346	15800	20	STAGECOACH AV	TAYLOR AV	SUNBURST AV	Local	ACP	33	271	995	92	78	72	84	7/1/2014	Moderate	Very Good	0	8	
372	172347	15800	30	STAGECOACH AV	SUNBURST AV	DRESDEN ST	Local	ACP	33	240	880	71	64	70	69	7/1/2014	Moderate	Good	12	17	
373	172348	15800	40	STAGECOACH AV	DRESDEN ST	ECHO ST	Local	ACP	33	648	2,377	86	67	70	77	7/1/2014	Moderate	Very Good	0	14	
374	172349	15800	50	STAGECOACH AV	ECHO ST	FALCON ST	Local	ACP	33	1,173	4,302	61	57	70	62	7/1/2014	Moderate	Good	17	22	
514	172365	15900	10	SUMMERSET AV	BOOTH DR	STAGECOACH AV	Local	ACP	33	686	2,517	85	66	70	76	7/1/2014	Moderate	Very Good	3	12	
100515		16000	5	SUMMERSET AV	CDS	QUIGLEY CI	Local	ACP	50	85	473	74	63	70	70	7/1/2014	Moderate	Good	14	12	
515	172366	16000	10	SUMMERSET AV	QUIGLEY CI	FOXFIRE ST	Local	ACP	37	1,574	6,472	66	52	70	63	7/1/2014	Moderate	Good	14	21	
516	172367	16000	20	SUMMERSET AV	FOXFIRE ST	FRONTIER ST	Local	ACP	33	350	1,283	80	61	72	73	7/1/2014	Moderate	Very Good	0	20	
517	172368	16100	10	SUNBURST AV	BEGIN	CIMARRON ST	Local	ACP	33	146	536	89	69	72	80	7/1/2014	Moderate	Very Good	0	11	
518	172369	16100	20	SUNBURST AV	CIMARRON ST	BOOTH DR	Local	ACP	33	423	1,549	65	55	70	64	7/1/2014	Moderate	Good	23	12	
519	172370	16200	10	SUNBURST AV	STAGECOACH AV	DRESDEN ST	Local	ACP	33	644	2,361	77	57	70	70	7/1/2014	Moderate	Very Good	14	9	

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
356	172331	15000	10	SNOWBERRY AV	CUL DE SAC	DAHLIA ST	Local	ACP	44	115	561	3850	2	410	1,642	82	Moderate	Local	ACP
357	172332	15000	20	SNOWBERRY AV	DAHLIA ST	DEVONSHIRE ST	Local	ACP	33	295	1,081	3850	2	410	1,642	82	Moderate	Local	ACP
358	172333	15000	30	SNOWBERRY AV	DEVONSHIRE ST	SPARROW CI	Local	ACP	33	272	997	3860	3	1,016	3,724	67	Moderate	Local	ACP
359	172334	15000	40	SNOWBERRY AV	SPARROW CI	SPARROW CI	Local	ACP	33	480	1,758	3860	3	1,016	3,724	67	Moderate	Local	ACP
360	172335	15000	50	SNOWBERRY AV	SPARROW CI	NMCHG	Local	ACP	33	264	968	3860	3	1,016	3,724	67	Moderate	Local	ACP
361	172336	15100	10	SPARROW AV	BLUEGRASS ST	BOUNTIFUL ST	Local	ACP	33	301	1,103	3870	1	301	1,103	88	Moderate	Local	ACP
362	172337	15200	10	SPARROW AV	BOOTH DR	COAL RIDGE ST	Local	ACP	38	690	2,913	3880	2	1,126	4,755	66	Moderate	Local	ACP
363	172338	15200	20	SPARROW AV	COAL RIDGE ST	BOOTH DR	Local	ACP	38	436	1,842	3880	2	1,126	4,755	66	Moderate	Local	ACP
364	172339	15300	10	SPARROW AV	SPARROW AV	CUL DE SAC	Local	ACP	42	120	560	3890	2	370	1,477	73	Moderate	Local	ACP
365	172340	15300	20	SPARROW AV	DEVONSHIRE ST	DEERFIELD ST	Local	ACP	33	250	917	3890	2	370	1,477	73	Moderate	Local	ACP
366	172341	15400	10	SPARROW AV	DRESDEN ST	ST VRAIN RANCH BD	Local	ACP	33	355	1,301	3900	1	355	1,301	75	Moderate	Local	ACP
367	172342	15500	10	SPARROW CI	SNOWBERRY AV	SNOWBERRY AV	Local	ACP	33	871	3,193	3910	1	871	3,193	60	Moderate	Local	ACP
500	172350	15600	10	ST VRAIN RANCH BD	SABLE AV	LNCHG	Collector	ACP	44	106	516	3920	9	1,500	6,380	70	Moderate	Collector	ACP
603	172351	15600	20	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	LNCHG	Collector	ACP	33	88	322	3920	9	1,500	6,380	70	Moderate	Collector	ACP
501	172352	15600	30	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	SADDLEBACK AV	Collector	ACP	44	81	394	3920	9	1,500	6,380	70	Moderate	Collector	ACP
502	172353	15600	40	ST VRAIN RANCH BD	SADDLEBACK AV	LNCHG	Collector	ACP	39	158	687	3920	9	1,500	6,380	70	Moderate	Collector	ACP
581	172547	15600	50	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	LNCHG	Collector	ACP	31	53	182	3920	9	1,500	6,380	70	Moderate	Collector	ACP
503	172354	15600	60	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	SAGE AV	Collector	ACP	40	161	715	3920	9	1,500	6,380	70	Moderate	Collector	ACP
504	172355	15600	70	ST VRAIN RANCH BD	SAGE AV	LNCHG	Collector	ACP	40	211	939	3920	9	1,500	6,380	70	Moderate	Collector	ACP
505	172356	15600	80	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	LNCHG	Collector	ACP	33	423	1,549	3920	9	1,500	6,380	70	Moderate	Collector	ACP
506	172357	15600	90	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	SHENANDOAH AV	Collector	ACP	44	220	1,076	3920	9	1,500	6,380	70	Moderate	Collector	ACP
507	172358	15600	100	ST VRAIN RANCH BD	SHENANDOAH AV	LNCHG	Collector	ACP	44	158	775	3930	4	2,209	11,233	69	Moderate	Collector	ACP
508	172359	15600	110	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	EASTVIEW AV	Collector	ACP	31	111	383	3930	4	2,209	11,233	69	Moderate	Collector	ACP
509	172360	15600	120	ST VRAIN RANCH BD	EASTVIEW AV	SPARROW AV	Collector	ACP	40	485	2,157	3930	4	2,209	11,233	69	Moderate	Collector	ACP
510	172361	15600	130	ST VRAIN RANCH BD	SPARROW AV	FALCON ST	Collector	ACP	49	1,454	7,918	3930	4	2,209	11,233	69	Moderate	Collector	ACP
511	172362	15600	140	ST VRAIN RANCH BD	FALCON ST	QUIGLEY CI	Collector	ACP	48	540	2,880	3940	3	1,530	7,719	70	Weak	Collector	ACP
512	172363	15600	150	ST VRAIN RANCH BD	QUIGLEY CI	FOXFIRE ST	Collector	ACP	44	688	3,363	3940	3	1,530	7,719	70	Weak	Collector	ACP
513	172364	15600	160	ST VRAIN RANCH BD	FOXFIRE ST	FRONTIER ST	Collector	ACP	44	302	1,476	3940	3	1,530	7,719	70	Weak	Collector	ACP
368	172343	15700	10	STAGECOACH AV	BOOTH DR	SUMMERSET AV	Local	ACP	33	872	3,196	3950	2	1,224	4,489	68	Moderate	Local	ACP
369	172344	15700	20	STAGECOACH AV	SUMMERSET AV	BOOTH DR	Local	ACP	33	353	1,294	3950	2	1,224	4,489	68	Moderate	Local	ACP
370	172345	15800	10	STAGECOACH AV	DEVONSHIRE ST	TAYLOR AV	Local	ACP	33	309	1,132	3960	3	820	3,007	75	Moderate	Local	ACP
371	172346	15800	20	STAGECOACH AV	TAYLOR AV	SUNBURST AV	Local	ACP	33	271	995	3960	3	820	3,007	75	Moderate	Local	ACP
372	172347	15800	30	STAGECOACH AV	SUNBURST AV	DRESDEN ST	Local	ACP	33	240	880	3960	3	820	3,007	75	Moderate	Local	ACP
373	172348	15800	40	STAGECOACH AV	DRESDEN ST	ECHO ST	Local	ACP	33	648	2,377	3970	2	1,821	6,678	67	Moderate	Local	ACP
374	172349	15800	50	STAGECOACH AV	ECHO ST	FALCON ST	Local	ACP	33	1,173	4,302	3970	2	1,821	6,678	67	Moderate	Local	ACP
514	172365	15900	10	SUMMERSET AV	BOOTH DR	STAGECOACH AV	Local	ACP	33	686	2,517	3980	1	686	2,517	76	Moderate	Local	ACP
100515		16000	5	SUMMERSET AV	CDS	QUIGLEY CI	Local	ACP	50	85	473	3990	3	2,009	8,229	65	Moderate	Local	ACP
515	172366	16000	10	SUMMERSET AV	QUIGLEY CI	FOXFIRE ST	Local	ACP	37	1,574	6,472	3990	3	2,009	8,229	65	Moderate	Local	ACP
516	172367	16000	20	SUMMERSET AV	FOXFIRE ST	FRONTIER ST	Local	ACP	33	350	1,283	3990	3	2,009	8,229	65	Moderate	Local	ACP
517	172368	16100	10	SUNBURST AV	BEGIN	CIMARRON ST	Local	ACP	33	146	536	4000	2	569	2,085	67	Moderate	Local	ACP
518	172369	16100	20	SUNBURST AV	CIMARRON ST	BOOTH DR	Local	ACP	33	423	1,549	4000	2	569	2,085	67	Moderate	Local	ACP
519	172370	16200	10	SUNBURST AV	STAGECOACH AV	DRESDEN ST	Local	ACP	33	644	2,361	4010	2	794	3,061	72	Moderate	Local	ACP

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
356	172331	15000	10	SNOWBERRY AV	CUL DE SAC	DAHLIA ST	Local	ACP	44	115	561	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.7	10.0
357	172332	15000	20	SNOWBERRY AV	DAHLIA ST	DEVONSHIRE ST	Local	ACP	33	295	1,081	8.8	10.0	10.0	10.0	10.0	10.0	10.0	9.6	9.7
358	172333	15000	30	SNOWBERRY AV	DEVONSHIRE ST	SPARROW CI	Local	ACP	33	272	997	10.0	7.9	8.9	10.0	10.0	9.7	10.0	9.7	9.3
359	172334	15000	40	SNOWBERRY AV	SPARROW CI	SPARROW CI	Local	ACP	33	480	1,758	10.0	8.1	8.8	10.0	10.0	10.0	10.0	9.7	9.4
360	172335	15000	50	SNOWBERRY AV	SPARROW CI	NMCHG	Local	ACP	33	264	968	10.0	8.0	8.9	9.8	10.0	10.0	9.9	9.7	10.0
361	172336	15100	10	SPARROW AV	BLUEGRASS ST	BOUNTIFUL ST	Local	ACP	33	301	1,103	10.0	10.0	10.0	10.0	10.0	9.8	10.0	9.6	10.0
362	172337	15200	10	SPARROW AV	BOOTH DR	COAL RIDGE ST	Local	ACP	38	690	2,913	10.0	7.9	8.7	10.0	10.0	10.0	9.9	9.6	10.0
363	172338	15200	20	SPARROW AV	COAL RIDGE ST	BOOTH DR	Local	ACP	38	436	1,842	10.0	7.9	8.6	10.0	10.0	10.0	10.0	9.6	10.0
364	172339	15300	10	SPARROW AV	SPARROW AV	CUL DE SAC	Local	ACP	42	120	560	10.0	8.2	8.8	10.0	10.0	9.8	10.0	9.7	10.0
365	172340	15300	20	SPARROW AV	DEVONSHIRE ST	DEERFIELD ST	Local	ACP	33	250	917	10.0	8.5	10.0	10.0	10.0	10.0	10.0	9.5	10.0
366	172341	15400	10	SPARROW AV	DRESDEN ST	ST VRAIN RANCH BD	Local	ACP	33	355	1,301	10.0	8.3	10.0	10.0	10.0	10.0	10.0	9.5	10.0
367	172342	15500	10	SPARROW CI	SNOWBERRY AV	SNOWBERRY AV	Local	ACP	33	871	3,193	9.3	8.1	8.9	10.0	10.0	10.0	10.0	9.7	9.5
500	172350	15600	10	ST VRAIN RANCH BD	SABLE AV	LNCHG	Collector	ACP	44	106	516	10.0	8.1	10.0	10.0	10.0	10.0	10.0	9.6	9.0
603	172351	15600	20	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	LNCHG	Collector	ACP	33	88	322	10.0	9.0	10.0	10.0	10.0	10.0	10.0	9.6	9.1
501	172352	15600	30	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	SADDLEBACK AV	Collector	ACP	44	81	394	10.0	8.7	8.9	10.0	10.0	10.0	10.0	9.6	10.0
502	172353	15600	40	ST VRAIN RANCH BD	SADDLEBACK AV	LNCHG	Collector	ACP	39	158	687	10.0	8.6	8.9	10.0	10.0	10.0	10.0	9.7	10.0
581	172547	15600	50	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	LNCHG	Collector	ACP	31	53	182	10.0	8.3	10.0	10.0	10.0	10.0	10.0	9.7	10.0
503	172354	15600	60	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	SAGE AV	Collector	ACP	40	161	715	10.0	9.1	10.0	10.0	10.0	10.0	10.0	9.5	10.0
504	172355	15600	70	ST VRAIN RANCH BD	SAGE AV	LNCHG	Collector	ACP	40	211	939	10.0	8.7	10.0	10.0	10.0	10.0	10.0	9.6	10.0
505	172356	15600	80	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	LNCHG	Collector	ACP	33	423	1,549	10.0	8.3	8.8	10.0	10.0	10.0	10.0	9.7	10.0
506	172357	15600	90	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	SHENANDOAH AV	Collector	ACP	44	220	1,076	10.0	9.2	10.0	10.0	10.0	10.0	10.0	9.5	10.0
507	172358	15600	100	ST VRAIN RANCH BD	SHENANDOAH AV	LNCHG	Collector	ACP	44	158	775	10.0	8.7	10.0	10.0	10.0	10.0	10.0	9.6	10.0
508	172359	15600	110	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	EASTVIEW AV	Collector	ACP	31	111	383	10.0	7.9	10.0	10.0	10.0	10.0	10.0	9.7	10.0
509	172360	15600	120	ST VRAIN RANCH BD	EASTVIEW AV	SPARROW AV	Collector	ACP	40	485	2,157	10.0	8.5	10.0	10.0	10.0	10.0	10.0	9.6	10.0
510	172361	15600	130	ST VRAIN RANCH BD	SPARROW AV	FALCON ST	Collector	ACP	49	1,454	7,918	9.4	8.4	8.9	10.0	10.0	10.0	10.0	9.7	10.0
511	172362	15600	140	ST VRAIN RANCH BD	FALCON ST	QUIGLEY CI	Collector	ACP	48	540	2,880	10.0	8.4	10.0	10.0	10.0	10.0	10.0	9.7	10.0
512	172363	15600	150	ST VRAIN RANCH BD	QUIGLEY CI	FOXFIRE ST	Collector	ACP	44	688	3,363	10.0	8.9	10.0	10.0	10.0	10.0	10.0	9.6	10.0
513	172364	15600	160	ST VRAIN RANCH BD	FOXFIRE ST	FRONTIER ST	Collector	ACP	44	302	1,476	10.0	8.2	8.7	10.0	10.0	10.0	10.0	9.6	10.0
368	172343	15700	10	STAGECOACH AV	BOOTH DR	SUMMERSET AV	Local	ACP	33	872	3,196	10.0	8.2	8.7	10.0	10.0	10.0	10.0	9.6	9.9
369	172344	15700	20	STAGECOACH AV	SUMMERSET AV	BOOTH DR	Local	ACP	33	353	1,294	10.0	8.4	9.0	10.0	10.0	10.0	10.0	9.0	9.5
370	172345	15800	10	STAGECOACH AV	DEVONSHIRE ST	TAYLOR AV	Local	ACP	33	309	1,132	10.0	8.1	10.0	10.0	10.0	10.0	10.0	9.6	9.6
371	172346	15800	20	STAGECOACH AV	TAYLOR AV	SUNBURST AV	Local	ACP	33	271	995	10.0	9.3	10.0	10.0	10.0	10.0	10.0	9.6	10.0
372	172347	15800	30	STAGECOACH AV	SUNBURST AV	DRESDEN ST	Local	ACP	33	240	880	10.0	8.1	8.8	10.0	10.0	10.0	10.0	9.7	10.0
373	172348	15800	40	STAGECOACH AV	DRESDEN ST	ECHO ST	Local	ACP	33	648	2,377	10.0	8.5	10.0	10.0	10.0	10.0	10.0	9.6	10.0
374	172349	15800	50	STAGECOACH AV	ECHO ST	FALCON ST	Local	ACP	33	1,173	4,302	10.0	7.5	9.0	10.0	10.0	10.0	10.0	9.7	9.1
514	172365	15900	10	SUMMERSET AV	BOOTH DR	STAGECOACH AV	Local	ACP	33	686	2,517	9.7	9.2	10.0	10.0	10.0	10.0	10.0	8.9	10.0
100515	16000	5	SUMMERSET AV	CDS	QUIGLEY CI	QUIGLEY CI	Local	ACP	50	85	473	10.0	8.7	9.1	10.0	10.0	10.0	10.0	9.7	9.4
515	172366	16000	10	SUMMERSET AV	QUIGLEY CI	FOXFIRE ST	Local	ACP	37	1,574	6,472	10.0	7.6	8.9	10.0	10.0	9.9	10.0	9.7	9.7
516	172367	16000	20	SUMMERSET AV	FOXFIRE ST	FRONTIER ST	Local	ACP	33	350	1,283	10.0	7.8	10.0	10.0	10.0	10.0	10.0	9.6	10.0
517	172368	16100	10	SUNBURST AV	BEGIN	CIMARRON ST	Local	ACP	33	146	536	10.0	8.9	10.0	10.0	10.0	10.0	10.0	9.5	10.0
518	172369	16100	20	SUNBURST AV	CIMARRON ST	BOOTH DR	Local	ACP	33	423	1,549	10.0	8.8	9.1	10.0	10.0	9.2	10.0	9.7	9.0
519	172370	16200	10	SUNBURST AV	STAGECOACH AV	DRESDEN ST	Local	ACP	33	644	2,361	10.0	9.1	10.0	10.0	10.0	10.0	10.0	9.6	8.3

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)
520	172371	16200	20	SUNBURST AV	DRESDEN ST	CDS	Local	ACP	42	150	700	80	61	93	79	7/1/2014	Strong	Very Good	0	20
616	172372	16300	10	SUNBURST AV	THISTLE RIDGE AV	THISTLE RIDGE AV	Local	ACP	33	947	3,471	61	64	71	64	7/1/2014	Moderate	Good	17	22
521	172373	16300	20	SUNBURST AV	THISTLE RIDGE AV	TENDERFOOT AV	Local	ACP	33	273	1,002	61	59	70	63	7/1/2014	Moderate	Good	16	23
522	172374	16300	30	SUNBURST AV	TENDERFOOT AV	FARMDALE ST	Local	ACP	33	305	1,118	60	70	70	65	7/1/2014	Moderate	Good	18	23
523	172375	16300	40	SUNBURST AV	FARMDALE ST	FERNCREST ST	Local	ACP	33	273	1,002	61	60	70	63	7/1/2014	Moderate	Good	16	23
524	172376	16300	50	SUNBURST AV	FERNCREST ST	TENDERFOOT ST	Local	ACP	33	1,056	3,872	91	71	70	81	7/1/2014	Moderate	Very Good	0	9
525	172377	16400	10	TAYLOR AV	DEVONSHIRE ST	CUL DE SAC	Local	ACP	43	130	619	92	77	70	83	7/1/2014	Moderate	Very Good	0	8
526	172378	16400	20	TAYLOR AV	STAGECOACH AV	DEVONSHIRE ST	Local	ACP	33	671	2,459	90	70	70	80	7/1/2014	Moderate	Very Good	5	6
527	172379	16500	10	TAYLOR AV	THISTLE RIDGE AV	TENDERFOOT AV	Local	ACP	33	273	1,002	61	56	75	63	7/1/2014	Strong	Good	15	24
528	172380	16600	10	TENDERFOOT AV	COAL MINE ST	BOOTH DR	Local	ACP	33	722	2,646	70	55	71	66	7/1/2014	Moderate	Good	14	16
529	172381	16700	10	TENDERFOOT AV	SUNBURST AV	TAYLOR AV	Local	ACP	33	368	1,349	60	71	70	65	7/1/2014	Moderate	Good	17	23
530	172382	16700	20	TENDERFOOT AV	TAYLOR AV	FARMDALE ST	Local	ACP	37	616	2,531	59	71	74	66	7/1/2014	Moderate	Good	17	24
531	172383	16700	30	TENDERFOOT AV	FARMDALE ST	FERNCREST ST	Local	ACP	33	266	974	60	50	70	60	7/1/2014	Moderate	Good	15	25
532	172384	16700	40	TENDERFOOT AV	FERNCREST ST	SUNBURST AV	Local	ACP	33	308	1,129	94	82	73	86	7/1/2014	Moderate	Excellent	1	5
533	172385	16700	50	TENDERFOOT AV	SUNBURST AV	FRONTIER ST	Local	ACP	33	262	961	65	60	71	65	7/1/2014	Moderate	Good	17	18
534	172386	16800	10	THISTLE RIDGE AV	COAL MINE ST	CDS	Local	ACP	37	539	2,217	81	62	59	71	7/1/2014	Moderate	Very Good	1	18
535	172387	16900	10	THISTLE RIDGE AV	CUL DE SAC	EBONY ST	Local	ACP	37	594	2,442	65	54	35	55	7/1/2014	Weak	Fair	11	23
605	172388	16900	20	THISTLE RIDGE AV	EBONY ST	ECHO ST	Local	ACP	33	364	1,334	67	61	54	62	7/1/2014	Moderate	Good	11	22
536	172462	16900	30	THISTLE RIDGE AV	ECHO ST	ECHO ST	Local	ACP	33	173	635	60	54	46	55	7/1/2014	Moderate	Fair	17	24
537	172463	16900	40	THISTLE RIDGE AV	ECHO ST	ELDRIDGE ST	Local	ACP	33	356	1,305	78	58	36	62	7/1/2014	Weak	Good	0	22
538	172464	16900	50	THISTLE RIDGE AV	ELDRIDGE ST	SUNBURST AV	Local	ACP	37	238	978	56	43	41	49	7/1/2014	Weak	Marginal	13	31
539	172465	16900	60	THISTLE RIDGE AV	SUNBURST AV	TAYLOR AV	Local	ACP	37	583	2,399	61	67	63	63	7/1/2014	Moderate	Good	16	23
540	172466	16900	70	THISTLE RIDGE AV	TAYLOR AV	SUNBURST AV	Local	ACP	33	368	1,349	61	71	35	57	7/1/2014	Weak	Fair	14	26
609	172467	17000	10	THUNDERHILL AV	EBONY ST	ECHO ST	Local	ACP	33	364	1,334	58	63	74	63	7/1/2014	Moderate	Good	18	23
541	172468	17100	10	TILBURY AV	EBONY ST	ECHO ST	Local	ACP	33	354	1,296	65	57	74	65	7/1/2014	Moderate	Good	14	21
542	172469	17200	10	TILBURY AV	ECHO ST	END	Local	ACP	53	478	2,816	84	67	72	77	7/1/2014	Moderate	Very Good	2	13
543	172484	17300	10	TRAILWAY AV	CENTER ST	CARBONDALE ST	Local	ACP	33	322	1,182	96	87	91	93	7/1/2014	Strong	Excellent	0	4
544	172485	17300	20	TRAILWAY AV	CARBONDALE ST	CHARLES ST	Local	ACP	33	559	2,048	97	88	70	88	7/1/2014	Moderate	Excellent	0	3
545	172486	17300	30	TRAILWAY AV	CHARLES ST	CHERRYVALE ST	Local	ACP	33	279	1,021	95	84	70	86	7/1/2014	Moderate	Excellent	0	5
546	172487	17300	40	TRAILWAY AV	CHERRYVALE ST	CDS	Local	ACP	47	157	820	91	73	70	81	7/1/2014	Moderate	Very Good	1	8
596	172488	17400	10	TWILIGHT AV	CHERRYVALE ST	CIMARRON ST	Local	ACP	33	525	1,924	87	68	70	78	7/1/2014	Moderate	Very Good	7	6
547	172489	17400	20	TWILIGHT AV	CIMARRON ST	COAL MINE ST	Local	ACP	33	286	1,050	71	50	70	65	7/1/2014	Moderate	Good	13	16
548	172490	17400	30	TWILIGHT AV	COAL MINE ST	COAL RIDGE ST	Local	ACP	33	275	1,008	70	79	70	73	7/1/2014	Moderate	Very Good	12	17
549	172491	17400	40	TWILIGHT AV	COAL RIDGE ST	COLUMBINE ST	Local	ACP	38	280	1,181	74	53	72	68	7/1/2014	Moderate	Good	12	14
550	172492	17500	10	TWILIGHT AV	CDS	OAK MEADOWS BD	Local	ACP	44	342	1,672	88	69	70	79	7/1/2014	Moderate	Very Good	6	6
551	172493	17500	20	TWILIGHT AV	OAK MEADOWS BD	DOVER ST	Local	ACP	33	233	853	92	75	70	82	7/1/2014	Moderate	Very Good	6	2
607	172494	17500	30	TWILIGHT AV	DOVER ST	CDS	Local	ACP	33	233	856	97	89	70	88	7/1/2014	Moderate	Excellent	0	3
552	172495	17600	10	ULYSSES AV	CDS	DEERFIELD DR	Local	ACP	43	239	1,141	71	65	70	69	7/1/2014	Moderate	Good	13	17
553	172496	17600	20	ULYSSES AV	DEERFIELD DR	CDS	Local	ACP	45	246	1,230	71	56	70	67	7/1/2014	Moderate	Good	12	17
623	173124	17700	10	UNION AV	DOVER ST	EBONY ST	Local	ACP	33	1,127	4,132	86	68	74	79	7/1/2014	Moderate	Very Good	4	10
554	172497	17700	20	UNION AV	EBONY ST	CDS	Local	ACP	40	407	1,807	91	75	73	83	7/1/2014	Moderate	Very Good	0	9
555	172498	17900	10	UNION CT	CDS	DOVER ST	Local	ACP	47	151	786	88	69	52	74	7/1/2014	Moderate	Very Good	3	9

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
520	172371	16200	20	SUNBURST AV	DRESDEN ST	CDS	Local	ACP	42	150	700	4010	2	794	3,061	72	Moderate	Local	ACP
616	172372	16300	10	SUNBURST AV	THISTLE RIDGE AV	THISTLE RIDGE AV	Local	ACP	33	947	3,471	4020	5	2,854	10,466	70	Moderate	Local	ACP
521	172373	16300	20	SUNBURST AV	THISTLE RIDGE AV	TENDERFOOT AV	Local	ACP	33	273	1,002	4020	5	2,854	10,466	70	Moderate	Local	ACP
522	172374	16300	30	SUNBURST AV	TENDERFOOT AV	FARMDALE ST	Local	ACP	33	305	1,118	4020	5	2,854	10,466	70	Moderate	Local	ACP
523	172375	16300	40	SUNBURST AV	FARMDALE ST	FERNCREST ST	Local	ACP	33	273	1,002	4020	5	2,854	10,466	70	Moderate	Local	ACP
524	172376	16300	50	SUNBURST AV	FERNCREST ST	TENDERFOOT ST	Local	ACP	33	1,056	3,872	4020	5	2,854	10,466	70	Moderate	Local	ACP
525	172377	16400	10	TAYLOR AV	DEVONSHIRE ST	CUL DE SAC	Local	ACP	43	130	619	4030	2	800	3,078	80	Moderate	Local	ACP
526	172378	16400	20	TAYLOR AV	STAGECOACH AV	DEVONSHIRE ST	Local	ACP	33	671	2,459	4030	2	800	3,078	80	Moderate	Local	ACP
527	172379	16500	10	TAYLOR AV	THISTLE RIDGE AV	TENDERFOOT AV	Local	ACP	33	273	1,002	4040	1	273	1,002	63	Strong	Local	ACP
528	172380	16600	10	TENDERFOOT AV	COAL MINE ST	BOOTH DR	Local	ACP	33	722	2,646	4050	1	722	2,646	66	Moderate	Local	ACP
529	172381	16700	10	TENDERFOOT AV	SUNBURST AV	TAYLOR AV	Local	ACP	33	368	1,349	4060	5	1,819	6,943	67	Moderate	Local	ACP
530	172382	16700	20	TENDERFOOT AV	TAYLOR AV	FARMDALE ST	Local	ACP	37	616	2,531	4060	5	1,819	6,943	67	Moderate	Local	ACP
531	172383	16700	30	TENDERFOOT AV	FARMDALE ST	FERNCREST ST	Local	ACP	33	266	974	4060	5	1,819	6,943	67	Moderate	Local	ACP
532	172384	16700	40	TENDERFOOT AV	FERNCREST ST	SUNBURST AV	Local	ACP	33	308	1,129	4060	5	1,819	6,943	67	Moderate	Local	ACP
533	172385	16700	50	TENDERFOOT AV	SUNBURST AV	FRONTIER ST	Local	ACP	33	262	961	4060	5	1,819	6,943	67	Moderate	Local	ACP
534	172386	16800	10	THISTLE RIDGE AV	COAL MINE ST	CDS	Local	ACP	37	539	2,217	4070	1	539	2,217	70	Moderate	Local	ACP
535	172387	16900	10	THISTLE RIDGE AV	CUL DE SAC	EBONY ST	Local	ACP	37	594	2,442	4080	2	958	3,776	57	Weak	Local	ACP
605	172388	16900	20	THISTLE RIDGE AV	EBONY ST	ECHO ST	Local	ACP	33	364	1,334	4080	2	958	3,776	57	Weak	Local	ACP
536	172462	16900	30	THISTLE RIDGE AV	ECHO ST	ECHO ST	Local	ACP	33	173	635	4090	5	1,718	6,666	58	Weak	Local	ACP
537	172463	16900	40	THISTLE RIDGE AV	ECHO ST	ELDRIDGE ST	Local	ACP	33	356	1,305	4090	5	1,718	6,666	58	Weak	Local	ACP
538	172464	16900	50	THISTLE RIDGE AV	ELDRIDGE ST	SUNBURST AV	Local	ACP	37	238	978	4090	5	1,718	6,666	58	Weak	Local	ACP
539	172465	16900	60	THISTLE RIDGE AV	SUNBURST AV	TAYLOR AV	Local	ACP	37	583	2,399	4090	5	1,718	6,666	58	Weak	Local	ACP
540	172466	16900	70	THISTLE RIDGE AV	TAYLOR AV	SUNBURST AV	Local	ACP	33	368	1,349	4090	5	1,718	6,666	58	Weak	Local	ACP
609	172467	17000	10	THUNDERHILL AV	EBONY ST	ECHO ST	Local	ACP	33	364	1,334	4100	1	364	1,334	63	Moderate	Local	ACP
541	172468	17100	10	TILBURY AV	EBONY ST	ECHO ST	Local	ACP	33	354	1,296	4110	1	354	1,296	65	Moderate	Local	ACP
542	172469	17200	10	TILBURY AV	ECHO ST	END	Local	ACP	53	478	2,816	4120	1	478	2,816	77	Moderate	Local	ACP
543	172484	17300	10	TRAILWAY AV	CENTER ST	CARBONDALE ST	Local	ACP	33	322	1,182	4130	4	1,317	5,072	87	Moderate	Local	ACP
544	172485	17300	20	TRAILWAY AV	CARBONDALE ST	CHARLES ST	Local	ACP	33	559	2,048	4130	4	1,317	5,072	87	Moderate	Local	ACP
545	172486	17300	30	TRAILWAY AV	CHARLES ST	CHERRYVALE ST	Local	ACP	33	279	1,021	4130	4	1,317	5,072	87	Moderate	Local	ACP
546	172487	17300	40	TRAILWAY AV	CHERRYVALE ST	CDS	Local	ACP	47	157	820	4130	4	1,317	5,072	87	Moderate	Local	ACP
596	172488	17400	10	TWILIGHT AV	CHERRYVALE ST	CIMARRON ST	Local	ACP	33	525	1,924	4140	4	1,366	5,164	72	Moderate	Local	ACP
547	172489	17400	20	TWILIGHT AV	CIMARRON ST	COAL MINE ST	Local	ACP	33	286	1,050	4140	4	1,366	5,164	72	Moderate	Local	ACP
548	172490	17400	30	TWILIGHT AV	COAL MINE ST	COAL RIDGE ST	Local	ACP	33	275	1,008	4140	4	1,366	5,164	72	Moderate	Local	ACP
549	172491	17400	40	TWILIGHT AV	COAL RIDGE ST	COLUMBINE ST	Local	ACP	38	280	1,181	4140	4	1,366	5,164	72	Moderate	Local	ACP
550	172492	17500	10	TWILIGHT AV	CDS	OAK MEADOWS BD	Local	ACP	44	342	1,672	4150	3	808	3,381	82	Moderate	Local	ACP
551	172493	17500	20	TWILIGHT AV	OAK MEADOWS BD	DOVER ST	Local	ACP	33	233	853	4150	3	808	3,381	82	Moderate	Local	ACP
607	172494	17500	30	TWILIGHT AV	DOVER ST	CDS	Local	ACP	33	233	856	4150	3	808	3,381	82	Moderate	Local	ACP
552	172495	17600	10	ULYSSES AV	CDS	DEERFIELD DR	Local	ACP	43	239	1,141	4160	2	485	2,371	67	Moderate	Local	ACP
553	172496	17600	20	ULYSSES AV	DEERFIELD DR	CDS	Local	ACP	45	246	1,230	4160	2	485	2,371	67	Moderate	Local	ACP
623	173124	17700	10	UNION AV	DOVER ST	EBONY ST	Local	ACP	33	1,127	4,132	4170	2	1,534	5,939	79	Moderate	Local	ACP
554	172497	17700	20	UNION AV	EBONY ST	CDS	Local	ACP	40	407	1,807	4170	2	1,534	5,939	79	Moderate	Local	ACP
555	172498	17900	10	UNION CT	CDS	DOVER ST	Local	ACP	47	151	786	4180	1	151	786	74	Moderate	Local	ACP

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
520	172371	16200	20	SUNBURST AV	DRESDEN ST	CDS	Local	ACP	42	150	700	10.0	7.8	10.0	10.0	10.0	10.0	10.0	9.6	10.0
616	172372	16300	10	SUNBURST AV	THISTLE RIDGE AV	THISTLE RIDGE AV	Local	ACP	33	947	3,471	10.0	7.5	8.5	10.0	10.0	9.6	10.0	9.7	10.0
521	172373	16300	20	SUNBURST AV	THISTLE RIDGE AV	TENDERFOOT AV	Local	ACP	33	273	1,002	10.0	7.4	8.4	10.0	10.0	10.0	10.0	9.6	10.0
522	172374	16300	30	SUNBURST AV	TENDERFOOT AV	FARMDALE ST	Local	ACP	33	305	1,118	10.0	7.4	8.2	10.0	10.0	10.0	10.0	9.7	10.0
523	172375	16300	40	SUNBURST AV	FARMDALE ST	FERNCREST ST	Local	ACP	33	273	1,002	10.0	7.4	8.4	10.0	10.0	10.0	10.0	9.6	10.0
524	172376	16300	50	SUNBURST AV	FERNCREST ST	TENDERFOOT ST	Local	ACP	33	1,056	3,872	10.0	9.0	10.0	10.0	10.0	10.0	10.0	9.7	10.0
525	172377	16400	10	TAYLOR AV	DEVONSHIRE ST	CUL DE SAC	Local	ACP	43	130	619	10.0	9.3	10.0	10.0	10.0	10.0	10.0	9.5	10.0
526	172378	16400	20	TAYLOR AV	STAGECOACH AV	DEVONSHIRE ST	Local	ACP	33	671	2,459	10.0	9.6	10.0	10.0	10.0	10.0	10.0	9.6	9.4
527	172379	16500	10	TAYLOR AV	THISTLE RIDGE AV	TENDERFOOT AV	Local	ACP	33	273	1,002	10.0	7.2	8.5	10.0	10.0	10.0	10.0	9.6	10.0
528	172380	16600	10	TENDERFOOT AV	COAL MINE ST	BOOTH DR	Local	ACP	33	722	2,646	10.0	8.2	8.8	10.0	10.0	9.9	10.0	9.6	9.9
529	172381	16700	10	TENDERFOOT AV	SUNBURST AV	TAYLOR AV	Local	ACP	33	368	1,349	10.0	7.4	8.3	10.0	10.0	10.0	10.0	9.6	10.0
530	172382	16700	20	TENDERFOOT AV	TAYLOR AV	FARMDALE ST	Local	ACP	37	616	2,531	10.0	7.2	8.3	10.0	10.0	10.0	10.0	9.7	10.0
531	172383	16700	30	TENDERFOOT AV	FARMDALE ST	FERNCREST ST	Local	ACP	33	266	974	10.0	7.1	8.5	10.0	10.0	10.0	10.0	9.6	10.0
532	172384	16700	40	TENDERFOOT AV	FERNCREST ST	SUNBURST AV	Local	ACP	33	308	1,129	10.0	9.7	10.0	10.0	10.0	9.9	10.0	9.5	10.0
533	172385	16700	50	TENDERFOOT AV	SUNBURST AV	FRONTIER ST	Local	ACP	33	262	961	9.2	7.9	9.0	10.0	10.0	10.0	10.0	9.7	10.0
534	172386	16800	10	THISTLE RIDGE AV	COAL MINE ST	CDS	Local	ACP	37	539	2,217	10.0	9.8	10.0	10.0	10.0	10.0	10.0	6.9	9.9
535	172387	16900	10	THISTLE RIDGE AV	CUL DE SAC	EBONY ST	Local	ACP	37	594	2,442	10.0	7.3	8.9	10.0	10.0	9.9	10.0	9.6	10.0
605	172388	16900	20	THISTLE RIDGE AV	EBONY ST	ECHO ST	Local	ACP	33	364	1,334	10.0	7.5	9.0	10.0	10.0	10.0	10.0	9.7	10.0
536	172462	16900	30	THISTLE RIDGE AV	ECHO ST	ECHO ST	Local	ACP	33	173	635	10.0	7.3	8.6	10.0	10.0	10.0	10.0	9.6	9.6
537	172463	16900	40	THISTLE RIDGE AV	ECHO ST	ELDRIDGE ST	Local	ACP	33	356	1,305	10.0	7.5	10.0	10.0	10.0	10.0	10.0	9.6	10.0
538	172464	16900	50	THISTLE RIDGE AV	ELDRIDGE ST	SUNBURST AV	Local	ACP	37	238	978	10.0	6.4	8.7	10.0	10.0	10.0	10.0	9.6	10.0
539	172465	16900	60	THISTLE RIDGE AV	SUNBURST AV	TAYLOR AV	Local	ACP	37	583	2,399	10.0	7.4	8.4	10.0	10.0	10.0	10.0	9.7	10.0
540	172466	16900	70	THISTLE RIDGE AV	TAYLOR AV	SUNBURST AV	Local	ACP	33	368	1,349	10.0	7.0	8.6	10.0	10.0	10.0	10.0	9.7	10.0
609	172467	17000	10	THUNDERHILL AV	EBONY ST	ECHO ST	Local	ACP	33	364	1,334	9.5	8.1	8.9	10.0	10.0	9.7	8.6	9.7	10.0
541	172468	17100	10	TILBURY AV	EBONY ST	ECHO ST	Local	ACP	33	354	1,296	10.0	7.6	8.6	10.0	10.0	10.0	10.0	9.6	10.0
542	172469	17200	10	TILBURY AV	ECHO ST	END	Local	ACP	53	478	2,816	10.0	8.5	10.0	10.0	10.0	9.7	10.0	9.7	10.0
543	172484	17300	10	TRAILWAY AV	CENTER ST	CARBONDALE ST	Local	ACP	33	322	1,182	10.0	9.9	10.0	10.0	10.0	10.0	10.0	9.5	10.0
544	172485	17300	20	TRAILWAY AV	CARBONDALE ST	CHARLES ST	Local	ACP	33	559	2,048	10.0	9.9	10.0	10.0	10.0	10.0	10.0	9.6	10.0
545	172486	17300	30	TRAILWAY AV	CHARLES ST	CHERRYVALE ST	Local	ACP	33	279	1,021	10.0	9.6	10.0	10.0	10.0	10.0	10.0	9.6	10.0
546	172487	17300	40	TRAILWAY AV	CHERRYVALE ST	CDS	Local	ACP	47	157	820	10.0	9.2	10.0	10.0	10.0	10.0	10.0	9.6	9.9
596	172488	17400	10	TWILIGHT AV	CHERRYVALE ST	CIMARRON ST	Local	ACP	33	525	1,924	10.0	9.5	10.0	10.0	10.0	10.0	10.0	9.6	9.2
547	172489	17400	20	TWILIGHT AV	CIMARRON ST	COAL MINE ST	Local	ACP	33	286	1,050	10.0	8.2	8.7	10.0	10.0	10.0	10.0	9.6	10.0
548	172490	17400	30	TWILIGHT AV	COAL MINE ST	COAL RIDGE ST	Local	ACP	33	275	1,008	10.0	8.1	8.8	10.0	10.0	10.0	10.0	9.7	10.0
549	172491	17400	40	TWILIGHT AV	COAL RIDGE ST	COLUMBINE ST	Local	ACP	38	280	1,181	10.0	8.5	8.8	10.0	10.0	10.0	10.0	9.6	10.0
550	172492	17500	10	TWILIGHT AV	CDS	OAK MEADOWS BD	Local	ACP	44	342	1,672	10.0	9.5	10.0	10.0	10.0	9.7	10.0	9.6	9.5
551	172493	17500	20	TWILIGHT AV	OAK MEADOWS BD	DOVER ST	Local	ACP	33	233	853	10.0	10.0	10.0	10.0	10.0	9.5	10.0	9.6	9.7
607	172494	17500	30	TWILIGHT AV	DOVER ST	CDS	Local	ACP	33	233	856	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.5	10.0
552	172495	17600	10	ULYSSES AV	CDS	DEERFIELD DR	Local	ACP	43	239	1,141	10.0	8.2	8.7	10.0	10.0	10.0	10.0	9.7	10.0
553	172496	17600	20	ULYSSES AV	DEERFIELD DR	CDS	Local	ACP	45	246	1,230	10.0	8.2	8.8	10.0	10.0	10.0	9.9	9.7	10.0
623	173124	17700	10	UNION AV	DOVER ST	EBONY ST	Local	ACP	33	1,127	4,132	10.0	9.0	10.0	10.0	10.0	10.0	10.0	9.6	9.5
554	172497	17700	20	UNION AV	EBONY ST	CDS	Local	ACP	40	407	1,807	10.0	9.2	10.0	10.0	10.0	10.0	10.0	9.6	10.0
555	172498	17900	10	UNION CT	CDS	DOVER ST	Local	ACP	47	151	786	10.0	9.1	10.0	10.0	10.0	9.5	10.0	9.6	10.0

Town of Firestone

Inventory and Condition Summary

Pavement Condition Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Surface Distress Index (SDI)	Roughness Index (RI)	Structural Index (SI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)
556	172499	16800	10	UNION ST	I-25 FRONTAGE RD	END	Local	PCC	40	337	1,499	87	68	62	76	7/1/2014	Moderate	Very Good	0	0
557	172500	18000	10	UTICA AV	DOVER ST	EBONY ST	Local	ACP	37	1,152	4,734	71	76	74	73	7/1/2014	Moderate	Very Good	13	16
558	172501	18100	10	UTICA CT	CDS	DOVER ST	Local	ACP	39	415	1,800	84	76	56	75	7/1/2014	Moderate	Very Good	8	8
559	172522	18200	10	VALLEY VISTA AV	DAISY ST	DEERFIELD DR	Local	ACP	33	263	963	79	84	75	79	7/1/2014	Strong	Very Good	1	20
560	172523	18200	20	VALLEY VISTA AV	DEERFIELD DR	DOVER ST	Local	ACP	37	696	2,861	74	70	74	73	7/1/2014	Moderate	Very Good	10	17
561	172524	18200	30	VALLEY VISTA AV	DOVER ST	DEERFIELD DR	Local	ACP	37	526	2,164	70	70	74	71	7/1/2014	Moderate	Very Good	12	17
562	172525	18200	40	VALLEY VISTA AV	DEERFIELD DR	EBONY ST	Local	ACP	33	631	2,314	69	84	72	74	7/1/2014	Moderate	Very Good	13	17
563	172526	18300	10	VENICE AV	NAPLES ST	1ST ST	Local	ACP	33	267	978	97	88	70	88	7/1/2014	Moderate	Excellent	0	3
564	172527	18400	10	VIEWPOINT AV	DAISY ST	DEERFIELD DR	Local	ACP	33	254	932	73	74	70	73	7/1/2014	Moderate	Very Good	21	6
565	172528	18400	20	VIEWPOINT AV	DEERFIELD DR	DOVER ST	Local	ACP	33	561	2,056	80	78	75	78	7/1/2014	Strong	Very Good	3	17
584	173073	18400	30	VIEWPOINT AV	DOVER ST	DEERFIELD DR	Local	ACP	33	570	2,088	86	68	71	78	7/1/2014	Moderate	Very Good	0	14
566	172529	18400	40	VIEWPOINT AV	DEERFIELD DR	EBONY ST	Local	ACP	33	593	2,174	83	87	74	82	7/1/2014	Moderate	Very Good	16	1
337	173356	18500	10	WCR 3.5	SH 119	URBDY	Arterial	ACP	24	2,457	6,551	64	82	74	71	7/1/2014	Moderate	Very Good	21	15
567	172530	18600	10	WOOSTER AV	1ST ST	2ND ST	Local	ACP	36	560	2,241	51	61	70	58	7/1/2014	Moderate	Fair	22	26
568	172531	18600	20	WOOSTER AV	2ND ST	3RD ST	Local	ACP	36	548	2,191	48	60	70	57	7/1/2014	Moderate	Fair	27	25
569	172532	18600	30	WOOSTER AV	3RD ST	4TH ST	Local	ACP	36	570	2,281	32	50	70	46	7/1/2014	Moderate	Marginal	47	20
570	172533	18700	10	WOOSTER DR	ALLEY	1ST ST	Local	ACP	39	640	2,772	22	31	70	36	7/1/2014	Moderate	Poor	52	25
571	172534	18800	20	ZINNIA AV	CR 5	CR 5.5	Arterial	ACP	36	2,007	8,029	54	82	21	52	7/1/2014	Weak	Fair	20	26
573	172537	18800	20	ZINNIA AV	CR 5.5	CITY LIMITS	Arterial	ACP	30	2,866	9,552	84	89	72	82	7/1/2014	Moderate	Very Good	3	13
574	172539	18900	10	ZINNIA AV	COLORADO BD	CR 15	Local	ACP	29	5,167	16,649	74	73	89	77	7/1/2014	Strong	Very Good	11	15

Town of Firestone

Inventory and Condition Summary

Projects Summary

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (Yd2)	Project ID	Project Block Count	Project Length (ft)	Project Area (Yd2)	Project Current PCI	Project Strength	Project FunCL	Project Pavetype
556	172499	16800	10	UNION ST	I-25 FRONTAGE RD	END	Local	PCC	40	337	1,499	4190	1	337	1,499	76	Moderate	Local	PCC
557	172500	18000	10	UTICA AV	DOVER ST	EBONY ST	Local	ACP	37	1,152	4,734	4200	1	1,152	4,734	73	Moderate	Local	ACP
558	172501	18100	10	UTICA CT	CDS	DOVER ST	Local	ACP	39	415	1,800	4210	1	415	1,800	74	Moderate	Local	ACP
559	172522	18200	10	VALLEY VISTA AV	DAISY ST	DEERFIELD DR	Local	ACP	33	263	963	4220	4	2,116	8,302	73	Moderate	Local	ACP
560	172523	18200	20	VALLEY VISTA AV	DEERFIELD DR	DOVER ST	Local	ACP	37	696	2,861	4220	4	2,116	8,302	73	Moderate	Local	ACP
561	172524	18200	30	VALLEY VISTA AV	DOVER ST	DEERFIELD DR	Local	ACP	37	526	2,164	4220	4	2,116	8,302	73	Moderate	Local	ACP
562	172525	18200	40	VALLEY VISTA AV	DEERFIELD DR	EBONY ST	Local	ACP	33	631	2,314	4220	4	2,116	8,302	73	Moderate	Local	ACP
563	172526	18300	10	VENICE AV	NAPLES ST	1ST ST	Local	ACP	33	267	978	4230	1	267	978	88	Moderate	Local	ACP
564	172527	18400	10	VIEWPOINT AV	DAISY ST	DEERFIELD DR	Local	ACP	33	254	932	4240	4	1,977	7,251	78	Moderate	Local	ACP
565	172528	18400	20	VIEWPOINT AV	DEERFIELD DR	DOVER ST	Local	ACP	33	561	2,056	4240	4	1,977	7,251	78	Moderate	Local	ACP
584	173073	18400	30	VIEWPOINT AV	DOVER ST	DEERFIELD DR	Local	ACP	33	570	2,088	4240	4	1,977	7,251	78	Moderate	Local	ACP
566	172529	18400	40	VIEWPOINT AV	DEERFIELD DR	EBONY ST	Local	ACP	33	593	2,174	4240	4	1,977	7,251	78	Moderate	Local	ACP
337	173356	18500	10	WCR 3.5	SH 119	URBDY	Arterial	ACP	24	2,457	6,551	4250	1	2,457	6,551	71	Moderate	Arterial	ACP
567	172530	18600	10	WOOSTER AV	1ST ST	2ND ST	Local	ACP	36	560	2,241	4260	3	1,678	6,714	53	Moderate	Local	ACP
568	172531	18600	20	WOOSTER AV	2ND ST	3RD ST	Local	ACP	36	548	2,191	4260	3	1,678	6,714	53	Moderate	Local	ACP
569	172532	18600	30	WOOSTER AV	3RD ST	4TH ST	Local	ACP	36	570	2,281	4260	3	1,678	6,714	53	Moderate	Local	ACP
570	172533	18700	10	WOOSTER DR	ALLEY	1ST ST	Local	ACP	39	640	2,772	4270	1	640	2,772	36	Moderate	Local	ACP
571	172534	18800	20	ZINNIA AV	CR 5	CR 5.5	Arterial	ACP	36	2,007	8,029	4280	2	4,873	17,582	68	Moderate	Arterial	ACP
573	172537	18800	20	ZINNIA AV	CR 5.5	CITY LIMITS	Arterial	ACP	30	2,866	9,552	4280	2	4,873	17,582	68	Moderate	Arterial	ACP
574	172539	18900	10	ZINNIA AV	COLORADO BD	CR 15	Local	ACP	29	5,167	16,649	4290	1	5,167	16,649	77	Strong	Local	ACP

Town of Firestone

Inventory and Condition Summary

Distress Ratings (0 to 10 Score)

GISID	ObjectID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Width (ft)	Pavement Length (ft)	Pavement Area (yd2)	Rutting (ACP Only)	L&T Cracking / Linear Crk	Alligator Cracking Divided Slab / Blow Up	Map Crk / Cmr Brk / D Crk	Edge Cracking Joint Spall / Sealant	Distortions / Faulting	Bleeding / Polished Agg	Raveling / Scaling / CAL	Patches / Patching
556	172499	16800	10	UNION ST	I-25 FRONTAGE RD	END	Local	PCC	40	337	1,499	10.0	7.9	10.0	10.0	10.0	9.8	10.0	10.0	10.0
557	172500	18000	10	UTICA AV	DOVER ST	EBONY ST	Local	ACP	37	1,152	4,734	10.0	8.2	8.7	10.0	10.0	10.0	10.0	9.7	9.9
558	172501	18100	10	UTICA CT	CDS	DOVER ST	Local	ACP	39	415	1,800	10.0	9.2	10.0	10.0	10.0	10.0	10.0	9.7	9.0
559	172522	18200	10	VALLEY VISTA AV	DAISY ST	DEERFIELD DR	Local	ACP	33	263	963	10.0	7.7	10.0	10.0	10.0	9.9	10.0	9.6	10.0
560	172523	18200	20	VALLEY VISTA AV	DEERFIELD DR	DOVER ST	Local	ACP	37	696	2,861	10.0	8.1	10.0	10.0	10.0	10.0	10.0	9.7	8.8
561	172524	18200	30	VALLEY VISTA AV	DOVER ST	DEERFIELD DR	Local	ACP	37	526	2,164	10.0	8.1	8.9	10.0	10.0	10.0	9.8	9.7	9.8
562	172525	18200	40	VALLEY VISTA AV	DEERFIELD DR	EBONY ST	Local	ACP	33	631	2,314	10.0	8.1	8.7	10.0	10.0	10.0	10.0	9.7	10.0
563	172526	18300	10	VENICE AV	NAPLES ST	1ST ST	Local	ACP	33	267	978	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.5	10.0
564	172527	18400	10	VIEWPOINT AV	DAISY ST	DEERFIELD DR	Local	ACP	33	254	932	7.8	9.6	10.0	10.0	10.0	10.0	10.0	9.6	10.0
565	172528	18400	20	VIEWPOINT AV	DEERFIELD DR	DOVER ST	Local	ACP	33	561	2,056	9.7	8.1	10.0	10.0	10.0	10.0	10.0	9.7	10.0
584	173073	18400	30	VIEWPOINT AV	DOVER ST	DEERFIELD DR	Local	ACP	33	570	2,088	10.0	8.6	10.0	10.0	10.0	10.0	10.0	9.6	10.0
566	172529	18400	40	VIEWPOINT AV	DEERFIELD DR	EBONY ST	Local	ACP	33	593	2,174	8.3	9.8	10.0	10.0	10.0	10.0	10.0	10.0	10.0
337	173356	18500	10	WCR 3.5	SH 119	URBDY	Arterial	ACP	24	2,457	6,551	10.0	9.1	7.9	10.0	9.8	10.0	10.0	8.7	10.0
567	172530	18600	10	WOOSTER AV	1ST ST	2ND ST	Local	ACP	36	560	2,241	10.0	6.9	9.0	10.0	10.0	9.7	10.0	9.7	8.7
568	172531	18600	20	WOOSTER AV	2ND ST	3RD ST	Local	ACP	36	548	2,191	10.0	7.1	7.9	10.0	10.0	9.9	10.0	9.7	9.4
569	172532	18600	30	WOOSTER AV	3RD ST	4TH ST	Local	ACP	36	570	2,281	10.0	7.7	5.7	10.0	10.0	9.5	10.0	9.6	9.9
570	172533	18700	10	WOOSTER DR	ALLEY	1ST ST	Local	ACP	39	640	2,772	7.8	7.0	7.5	10.0	10.0	9.8	10.0	9.7	9.4
571	172534	18800	20	ZINNIA AV	CR 5	CR 5.5	Arterial	ACP	36	2,007	8,029	9.1	6.9	8.9	10.0	10.0	10.0	10.0	9.8	10.0
573	172537	18800	20	ZINNIA AV	CR 5.5	CITY LIMITS	Arterial	ACP	30	2,866	9,552	10.0	8.5	9.7	10.0	10.0	10.0	10.0	9.9	10.0
574	172539	18900	10	ZINNIA AV	COLORADO BD	CR 15	Local	ACP	29	5,167	16,649	10.0	8.6	9.3	10.0	9.4	9.6	10.0	9.7	9.9

Appendix B

\$640K Rehabilitation Program by Segment

Town of Firestone

\$640k Annual Budget Rehabilitation Program

5 Year Rehabilitation Program

GISID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Length (ft)	Pavement Area (yd2)	5 Year Rehabilitation Program									
										Need Year	Selected Rehab Year	Segment Rehab Results	Rehab Activity Code	Rehab Activity	Unit Rate (\$/yd2)	Segment Cost (\$)	5 Year Post Rehab PCI		
381	1000	10	1ST ST	MC CLURE AV	FLORENCE AV	Collector	ACP	329	1,462	1	0	Fall Through Year 1						60	
618	1000	20	1ST ST	FLORENCE AV	BERWICK AV	Collector	ACP	326	1,448	1	0	Fall Through Year 1						71	
2	1000	30	1ST ST	BERWICK AV	VENICE AV	Collector	ACP	159	706	1	0	Fall Through Year 1						60	
3	1000	40	1ST ST	VENICE AV	GRANVILLE AV	Collector	ACP	172	765	1	0	Fall Through Year 1						67	
4	1000	50	1ST ST	GRANVILLE AV	BUCHANAN AV	Collector	ACP	315	1,399	1	0	Fall Through Year 1						45	
5	1000	60	1ST ST	BUCHANAN AV	MONMOUTH AV	Collector	ACP	347	1,543	5+	0	Not Selected						19	
6	1000	70	1ST ST	MONMOUTH AV	JACKSON DR	Collector	ACP	93	413	5+	0	Not Selected						22	
7	1000	80	1ST ST	JACKSON DR	JACKSON AV	Collector	ACP	219	971	5+	0	Not Selected						15	
8	1000	90	1ST ST	JACKSON AV	JACKSON DR	Collector	ACP	39	173	5+	0	Not Selected						27	
9	1000	100	1ST ST	JACKSON DR	WOOSTER AV	Collector	ACP	283	1,259	5+	0	Not Selected						29	
586	1000	110	1ST ST	WOOSTER AV	W WOOSTER AV	Collector	ACP	108	481	5+	0	Not Selected						39	
10	1000	120	1ST ST	W WOOSTER AV	GRANT AV	Collector	ACP	267	1,185	5+	0	Not Selected						36	
11	1000	130	1ST ST	GRANT AV	END	Collector	ACP	1,725	7,668	2	0	Fall Through Year 2						52	
12	1100	10	2ND ST	MC CLURE AV	FLORENCE AV	Local	ACP	341	1,403	1	0	Fall Through Year 1						42	
13	1100	20	2ND ST	FLORENCE AV	BERWICK AV	Local	ACP	332	1,364	1	0	Fall Through Year 1						49	
14	1100	30	2ND ST	BERWICK AV	GRANVILLE AV	Local	ACP	327	1,343	1	0	Fall Through Year 1						63	
15	1100	40	2ND ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	311	1,277	1	0	Fall Through Year 1						52	
16	1100	50	2ND ST	BUCHANAN AV	MONMOUTH AV	Local	ACP	346	1,423	2	0	Fall Through Year 2						45	
17	1100	60	2ND ST	MONMOUTH AV	JACKSON AV	Local	ACP	320	1,245	2	0	Fall Through Year 2						40	
18	1100	70	2ND ST	JACKSON AV	WOOSTER AV	Local	ACP	341	1,327	2	0	Fall Through Year 2						45	
19	1100	80	2ND ST	WOOSTER AV	GRANT AV	Local	ACP	343	1,334	2	0	Fall Through Year 2						34	
20	1200	10	3RD ST	MC CLURE AV	FLORENCE AV	Local	ACP	335	1,304	3	0	Fall Through Year 3						43	
21	1200	20	3RD ST	FLORENCE AV	BERWICK AV	Local	ACP	333	1,295	3	0	Fall Through Year 3						47	
22	1200	30	3RD ST	BERWICK AV	GRANVILLE AV	Local	ACP	329	1,279	3	0	Fall Through Year 3						53	
23	1200	40	3RD ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	307	1,193	3	0	Fall Through Year 3						37	
619	1200	50	3RD ST	BUCHANAN AV	MONMOUTH AV	Local	ACP	347	1,349	1	0	Fall Through Year 1						47	
24	1200	60	3RD ST	MONMOUTH AV	JACKSON AV	Local	ACP	329	1,278	1	0	Fall Through Year 1						53	
25	1200	70	3RD ST	JACKSON AV	WOOSTER AV	Local	ACP	344	1,337	1	0	Fall Through Year 1						55	
26	1200	80	3RD ST	WOOSTER AV	GRANT AV	Local	ACP	328	1,277	1	0	Fall Through Year 1						44	
27	1300	10	4TH ST	MC CLURE AV	FLORENCE AV	Local	ACP	334	1,486	4	5	Selected Year 5	20	Surface Treatment	2.80	4,200	90		
28	1300	20	4TH ST	FLORENCE AV	BERWICK AV	Local	ACP	334	1,484	4	5	Selected Year 5	20	Surface Treatment	2.80	4,200	90		
29	1300	30	4TH ST	BERWICK AV	GRANVILLE AV	Local	ACP	324	1,442	4	5	Selected Year 5	20	Surface Treatment	2.80	4,000	90		
30	1300	40	4TH ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	316	1,406	4	5	Selected Year 5	20	Surface Treatment	2.80	3,900	90		
31	1300	50	4TH ST	BUCHANAN AV	MONMOUTH AV	Local	ACP	348	1,546	4	5	Selected Year 5	20	Surface Treatment	2.80	4,300	90		
32	1300	60	4TH ST	MONMOUTH AV	JACKSON AV	Local	ACP	322	1,432	4	5	Selected Year 5	20	Surface Treatment	2.80	4,000	90		
33	1300	70	4TH ST	JACKSON AV	WOOSTER AV	Local	ACP	341	1,515	3	3	Selected Year 3	40	Moderate Overlay (1.5 - 3.0)	16.75	25,400	91		
34	1300	80	4TH ST	WOOSTER AV	GRANT AV	Local	ACP	325	1,444	3	3	Selected Year 3	40	Moderate Overlay (1.5 - 3.0)	16.75	24,200	91		
35	1400	10	5TH ST	MC CLURE AV	ADAMS WY	Local	ACP	381	1,565	2	2	Selected Year 2	50	Thick Overlay (> 2.0 - 3.0)	21.00	32,900	91		
332	1400	20	5TH ST	ADAMS WY	BERWICK AV	Local	ACP	288	1,185	2	2	Selected Year 2	50	Thick Overlay (> 2.0 - 3.0)	21.00	24,900	91		
36	1400	30	5TH ST	BERWICK AV	GRANVILLE AV	Local	ACP	266	1,092	1	0	Fall Through Year 1						75	
37	1400	40	5TH ST	GRANVILLE AV	BUCHANAN AV	Local	ACP	405	1,666	1	0	Fall Through Year 1						63	
38	1400	50	5TH ST	BUCHANAN AV	JACKSON AV	Local	ACP	778	3,196	1	0	Fall Through Year 1						55	

Town of Firestone

\$640k Annual Budget Rehabilitation Program

5 Year Rehabilitation Program

GISID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Length (ft)	Pavement Area (yd2)	Need Year	Selected Rehab Year	Segment Rehab Results	Rehab Activity Code	Rehab Activity	Unit Rate (\$/yd2)	Segment Cost (\$)	5 Year Post Rehab PCI
386	1500	10	ADAMS WY	MC CLURE AV	5TH ST	Local	ACP	695	2,857	4	0	Fall Through Year 4					47
39	1600	10	AUDREY ST	SANDY RIDGE AV	CDS	Local	ACP	185	865	4	4	Selected Year 4	20	Surface Treatment	2.80	2,400	89
626	1700	10	AUTUMN ST	SILVERLEAF AV	CDS	Local	ACP	142	696	1	0	Fall Through Year 1					75
40	1800	10	BAILEY ST	CDS	MONARCH DR	Local	ACP	180	880	5+	0	Not Selected					72
42	1900	10	BALD EAGLE ST	SANDY RIDGE AV	SILVERLEAF AV	Local	ACP	263	966	1	0	Fall Through Year 1					72
43	1900	20	BALD EAGLE ST	SILVERLEAF AV	MONARCH DR	Local	ACP	422	1,549	1	0	Fall Through Year 1					57
44	2000	10	BARRON ST	SANDY RIDGE AV	SILVERLEAF AV	Local	ACP	273	1,000	3	0	Fall Through Year 3					57
45	2000	20	BARRON ST	SILVERLEAF AV	CDS	Local	ACP	183	894	3	0	Fall Through Year 3					52
46	2100	10	BEDFORD ST	MONARCH DR	CDS	Local	ACP	182	889	4	0	Fall Through Year 4					57
47	2200	10	BELMONT ST	CDS	SANDY RIDGE AV	Local	ACP	152	725	3	3	Selected Year 3	40	Moderate Overlay (1.5 - 3.0)	16.75	12,200	91
48	2300	10	BERWICK AV	1ST ST	2ND ST	Local	ACP	559	2,486	3	0	Fall Through Year 3					44
49	2300	20	BERWICK AV	2ND ST	3RD ST	Local	ACP	549	2,442	3	0	Fall Through Year 3					37
50	2300	30	BERWICK AV	3RD ST	4TH ST	Local	ACP	571	2,538	3	0	Fall Through Year 3					51
51	2300	40	BERWICK AV	4TH ST	GRANVILLE CI	Local	ACP	396	1,583	3	0	Fall Through Year 3					45
52	2300	50	BERWICK AV	GRANVILLE CI	5TH ST	Local	ACP	240	962	3	0	Fall Through Year 3					46
53	2300	60	BERWICK AV	5TH ST	FLORENCE AV	Local	ACP	570	2,282	2	2	Selected Year 2	20	Surface Treatment	2.80	6,400	86
578	2300	70	BERWICK AV	FLORENCE AV	FARMDALE ST	Local	ACP	515	1,829	2	2	Selected Year 2	20	Surface Treatment	2.80	5,100	86
54	2300	80	BERWICK AV	EAST END	FOREST ST	Local	ACP	161	571	2	2	Selected Year 2	20	Surface Treatment	2.80	1,600	86
55	2400	10	BIRCH ST	CITY LIMITS	WIDCH	Arterial	ACP	687	2,441	3	3	Selected Year 3	43	Moderate Overlay + RR	23.15	56,500	90
56	2400	20	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	264	939	3	3	Selected Year 3	43	Moderate Overlay + RR	23.15	21,700	90
57	2400	30	BIRCH ST	WIDTH OF SURFACE CHANGE	ROSEWOOD AV	Arterial	ACP	537	2,687	3	3	Selected Year 3	43	Moderate Overlay + RR	23.15	62,200	90
58	2400	40	BIRCH ST	ROSEWOOD AV	WIDCH	Arterial	ACP	264	1,320	4	0	Fall Through Year 4					28
630	2400	50	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	211	892	4	0	Fall Through Year 4					38
59	2400	60	BIRCH ST	WIDTH OF SURFACE CHANGE	SABLE AV	Arterial	ACP	728	2,587	4	0	Fall Through Year 4					54
60	2400	70	BIRCH ST	SABLE AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	286	1,018	2	2	Selected Year 2	20	Surface Treatment	3.70	3,800	86
61	2400	80	BIRCH ST	WIDTH OF SURFACE CHANGE	SANDY RIDGE AV	Arterial	ACP	317	1,337	2	2	Selected Year 2	20	Surface Treatment	3.70	4,900	85
62	2400	90	BIRCH ST	SANDY RIDGE AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	158	775	2	2	Selected Year 2	20	Surface Treatment	3.70	2,900	85
63	2400	100	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDTH OF SURFACE CHANGE	Arterial	ACP	581	2,840	2	2	Selected Year 2	20	Surface Treatment	3.70	10,500	85
64	2400	110	BIRCH ST	WIDTH OF SURFACE CHANGE	NEIGHBORS PY	Arterial	ACP	290	1,804	2	2	Selected Year 2	20	Surface Treatment	3.70	6,700	85
617	2400	120	BIRCH ST	NEIGHBORS PY	WIDTH OF SURFACE CHANGE	Arterial	ACP	264	1,232	4	0	Fall Through Year 4					65
65	2400	130	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDTH OF SURFACE CHANGE	Arterial	ACP	317	1,197	4	0	Fall Through Year 4					43
66	2400	140	BIRCH ST	WIDTH OF SURFACE CHANGE	EAGLE CREST BD	Arterial	ACP	1,312	4,665	4	0	Fall Through Year 4					57
67	2400	150	BIRCH ST	EAGLE CREST BD	WIDTH OF SURFACE CHANGE	Arterial	ACP	351	1,559	1	1	Selected Year 1	20	Surface Treatment	3.70	5,800	84
68	2400	160	BIRCH ST	WIDTH OF SURFACE CHANGE	WIDTH OF SURFACE CHANGE	Arterial	ACP	106	376	1	1	Selected Year 1	20	Surface Treatment	3.70	1,400	84
69	2400	170	BIRCH ST	WIDTH OF SURFACE CHANGE	TOWNSEND AV	Arterial	ACP	402	1,430	1	1	Selected Year 1	20	Surface Treatment	3.70	5,300	84
70	2400	180	BIRCH ST	TOWNSEND AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	391	1,391	1	1	Selected Year 1	20	Surface Treatment	3.70	5,200	84
71	2400	190	BIRCH ST	WIDTH OF SURFACE CHANGE	FIRESTONE BD	Arterial	ACP	529	2,938	1	1	Selected Year 1	20	Surface Treatment	3.70	10,900	84
72	2500	10	BLUEGRASS ST	RUBY AV	RUSTIC AV	Local	ACP	805	2,952	1	0	Fall Through Year 1					61
75	2500	20	BLUEGRASS ST	RUSTIC AV	CUL DE SAC	Local	ACP	153	663	1	0	Fall Through Year 1					62
78	2600	10	BLUEGRASS ST	NEIGHBORS PY	BRIARWOOD ST	Local	ACP	268	984	2	0	Fall Through Year 2					79
76	2600	20	BLUEGRASS ST	BRIARWOOD ST	BOUNTIFUL ST	Local	ACP	236	865	2	0	Fall Through Year 2					82
77	2600	30	BLUEGRASS ST	BOUNTIFUL ST	NEIGHBORS PY	Local	ACP	583	2,139	2	0	Fall Through Year 2					81

Town of Firestone

\$640k Annual Budget Rehabilitation Program

5 Year Rehabilitation Program

GISID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Length (ft)	Pavement Area (yd2)	Need Year	Selected Rehab Year	Segment Rehab Results	Rehab Activity Code	Rehab Activity	Unit Rate (\$/yd2)	Segment Cost (\$)	5 Year Post Rehab PCI
79	2600	40	BLUEGRASS ST	NEIGHBORS PY	SPARROW AV	Local	ACP	416	1,525	2	0	Fall Through Year 2					80
80	2600	50	BLUEGRASS ST	SPARROW AV	CUL DE SAC	Local	ACP	296	1,085	2	0	Fall Through Year 2					78
81	2700	10	BOOTH DR	COLORADO BD	SCENIC AV	Collector	ACP	200	733	1	0	Fall Through Year 1					56
579	2700	20	BOOTH DR	SCENIC AV	COAL RIDGE ST	Collector	ACP	254	932	1	0	Fall Through Year 1					69
82	2700	30	BOOTH DR	COAL RIDGE ST	COAL MINE ST	Collector	ACP	151	555	1	0	Fall Through Year 1					75
83	2700	40	BOOTH DR	COAL MINE ST	SILVERLEAF AV	Collector	ACP	244	894	1	0	Fall Through Year 1					70
84	2700	50	BOOTH DR	SILVERLEAF AV	SPARROW AV	Collector	ACP	422	1,549	1	0	Fall Through Year 1					78
85	2700	60	BOOTH DR	SPARROW AV	STAGECOACH AV	Collector	ACP	269	988	1	0	Fall Through Year 1					82
86	2700	70	BOOTH DR	STAGECOACH AV	SUMMERSET AV	Collector	ACP	251	921	1	0	Fall Through Year 1					79
87	2700	80	BOOTH DR	SUMMERSET AV	SUNBURST AV	Collector	ACP	288	1,055	1	0	Fall Through Year 1					82
88	2700	90	BOOTH DR	SUNBURST AV	COAL MINE ST	Collector	ACP	226	828	1	0	Fall Through Year 1					79
89	2700	100	BOOTH DR	COAL MINE ST	STAGECOACH AV	Collector	ACP	369	1,352	1	0	Fall Through Year 1					77
624	2700	110	BOOTH DR	STAGECOACH AV	COLORADO BD	Collector	ACP	214	786	1	0	Fall Through Year 1					72
90	2700	120	BOOTH DR	COLORADO BD	END	Collector	ACP	1,096	4,017	3	0	Fall Through Year 3					55
597	2800	10	BOUNTIFUL ST	REMINGTON AV	CUL DE SAC	Local	ACP	228	937	3	3	Selected Year 3	20	Surface Treatment	2.80	2,600	87
91	2900	10	BOUNTIFUL ST	RUSTIC AV	CUL DE SAC	Local	ACP	153	663	1	0	Fall Through Year 1					76
92	3000	10	BOUNTIFUL ST	CDS	BLUEGRASS ST	Local	ACP	208	854	5	0	Fall Through Year 5					69
93	3100	10	BOUNTIFUL ST	NEIGHBORS PY	SPARROW AV	Local	ACP	439	1,611	2	0	Fall Through Year 2					82
94	3100	20	BOUNTIFUL ST	SPARROW AV	CUL DE SAC	Local	ACP	448	1,642	2	0	Fall Through Year 2					79
95	3200	10	BOWERSOX PKW	ROSEWOOD AVE	BRAMWOOD ST	Collector	ACP	566	2,075	2	2	Selected Year 2	20	Surface Treatment	3.09	6,400	86
96	3200	20	BOWERSOX PKW	BRAMWOOD ST	BUFFALO ST	Collector	ACP	407	1,491	2	2	Selected Year 2	20	Surface Treatment	3.09	4,600	86
97	3200	30	BOWERSOX PKW	BUFFALO ST	REMINGTON AV	Collector	ACP	565	2,072	2	2	Selected Year 2	20	Surface Treatment	3.09	6,400	86
98	3200	40	BOWERSOX PKW	REMINGTON AV	ROSEWOOD AV	Collector	ACP	346	1,269	2	2	Selected Year 2	20	Surface Treatment	3.09	3,900	86
628	3200	50	BOWERSOX PKW	ROSEWOOD AV	CASCADE ST	Collector	ACP	593	2,175	2	2	Selected Year 2	20	Surface Treatment	3.09	6,700	86
99	3300	10	BRADBURY ST	CDS	RUSTIC AV	Local	ACP	247	1,042	4	4	Selected Year 4	20	Surface Treatment	2.80	2,900	89
100	3400	10	BRADBURY ST	CDS	NEIGHBORS PY	Local	ACP	156	729	5	0	Fall Through Year 5					83
101	3500	10	BRAMWOOD ST	BOWERSOX PY	CUL DE SAC	Local	ACP	386	1,416	5+	0	Not Selected					73
102	3600	10	BRIARWOOD ST	CDS	SANDY RIDGE AV	Local	ACP	109	519	2	0	Fall Through Year 2					69
103	3600	20	BRIARWOOD ST	SANDY RIDGE AV	BLUEGRASS ST	Local	ACP	855	3,134	2	0	Fall Through Year 2					82
625	3700	10	BUCHANAN AV	1ST ST	2ND ST	Local	ACP	562	2,498	3	0	Fall Through Year 3					42
104	3700	20	BUCHANAN AV	2ND ST	3RD ST	Local	ACP	545	2,420	3	0	Fall Through Year 3					49
105	3700	30	BUCHANAN AV	3RD ST	4TH ST	Local	ACP	580	2,580	3	0	Fall Through Year 3					41
106	3700	40	BUCHANAN AV	4TH ST	HART ST	Local	ACP	270	1,200	1	0	Fall Through Year 1					82
107	3700	50	BUCHANAN AV	HART ST	5TH ST	Local	ACP	390	1,734	1	0	Fall Through Year 1					73
108	3700	60	BUCHANAN AV	5TH ST	END	Local	ACP	126	488	1	0	Fall Through Year 1					75
109	3800	10	BUFFALO ST	REMINGTON AV	ROADRUNNER AV	Local	ACP	289	1,061	3	0	Fall Through Year 3					82
110	3800	20	BUFFALO ST	ROADRUNNER AV	BOWERSOX PY	Local	ACP	457	1,675	3	0	Fall Through Year 3					81
600	3900	10	BUFFALO ST	CASCADE ST	RUBY AV	Collector	ACP	807	2,959	3	3	Selected Year 3	20	Surface Treatment	3.09	9,100	87
111	3900	20	BUFFALO ST	RUBY AV	RUSTIC AV	Collector	ACP	445	1,631	3	3	Selected Year 3	20	Surface Treatment	3.09	5,000	87
112	3900	30	BUFFALO ST	RUSTIC AV	SABLE AV	Collector	ACP	227	832	3	3	Selected Year 3	20	Surface Treatment	3.09	2,600	87
113	3900	40	BUFFALO ST	SABLE AV	SANDY RIDGE AV	Collector	ACP	353	1,293	1	0	Fall Through Year 1					72
114	3900	50	BUFFALO ST	SANDY RIDGE AV	NEIGHBORS PY	Collector	ACP	343	1,257	1	0	Fall Through Year 1					83

Town of Firestone

\$640k Annual Budget Rehabilitation Program

5 Year Rehabilitation Program

GISID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Length (ft)	Pavement Area (yd2)	Need Year	Selected Rehab Year	Segment Rehab Results	Rehab Activity Code	Rehab Activity	Unit Rate (\$/yd2)	Segment Cost (\$)	5 Year Post Rehab PCI
115	4000	10	BUSINESS PARK CI	I-25 FRONTAGE RD	I-25 FRONTAGE RD	Local	ACP	1,754	8,963	3	0	Fall Through Year 3					81
116	4100	10	BUTTESFIELD ST	RUSTIC AV	CUL DE SAC	Local	ACP	153	714	4	0	Fall Through Year 4					83
117	4200	10	BUTTESFIELD ST	CDS	SANDY RIDGE AV	Local	ACP	106	528	4	4	Selected Year 4	20	Surface Treatment	2.80	1,500	89
239	4400	10	CARBONDALE ST	CHERRY VALE ST	MOUNTAIN SHADOWS BD	Local	ACP	324	1,222	5	0	Fall Through Year 5					83
119	4500	10	CASCADE ST	RUBY AV	BOWERSOX PY	Local	ACP	1,051	3,854	5	0	Fall Through Year 5					71
120	4500	20	CASCADE ST	BOWERSOX PY	ROADRUNNER AV	Local	ACP	208	764	5	0	Fall Through Year 5					71
608	4500	30	CASCADE ST	ROADRUNNER AV	RUSTIC AV	Local	ACP	570	2,091	5	0	Fall Through Year 5					71
121	4500	40	CASCADE ST	RUSTIC AV	SABLE AV	Local	ACP	227	832	5	0	Fall Through Year 5					58
122	4600	10	CEDAR ST	ROADRUNNER AV	CUL DE SAC	Local	ACP	147	668	4	0	Fall Through Year 4					82
123	4700	10	CENTER ST	FIRESTONE BD	TRAILWAY AV	Local	ACP	359	1,755	1	3	Selected Year 3	10	Slurry Seal	1.90	3,300	86
125	4900	10	CHERRYVALE ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	263	964	5	0	Fall Through Year 5					67
602	4900	20	CHERRYVALE ST	SILVERLEAF AV	BOOTH DR	Local	ACP	727	3,152	5	0	Fall Through Year 5					71
126	5000	10	CHERRYVALE ST	TRAILWAY AV	TWILIGHT AV	Local	ACP	382	1,402	3	0	Fall Through Year 3					82
127	5000	20	CHERRYVALE ST	TWILIGHT AV	END OF ROAD	Local	ACP	811	2,972	3	0	Fall Through Year 3					81
128	5100	10	CHERRYVALE ST	MOUNTAIN SHADOWS BD	END OF ROAD	Local	ACP	122	446	4	5	Selected Year 5	10	Slurry Seal	1.90	800	88
129	5200	10	CIMARRON ST	BOOTH DR	SUNBURST AV	Local	ACP	875	3,597	4	0	Fall Through Year 4					57
130	5300	10	CIMARRON ST	COLORADO BD	COAL MINE ST	Collector	ACP	658	2,560	3	0	Fall Through Year 3					56
131	5300	20	CIMARRON ST	COAL MINE ST	CHANGE IN OF THRU LANES	Collector	ACP	1,162	5,939	3	0	Fall Through Year 3					51
132	5300	30	CIMARRON ST	CHANGE IN OF THRU LANES	FIRESTONE BD	Collector	ACP	197	1,138	3	0	Fall Through Year 3					65
133	5300	40	CIMARRON ST	FIRESTONE BD	WIDTH OF SURFACE CHANGE	Collector	ACP	624	2,910	4	4	Selected Year 4	20	Surface Treatment	3.09	9,000	89
134	5300	50	CIMARRON ST	WIDTH OF SURFACE CHANGE	TWILIGHT AV	Collector	ACP	146	536	4	4	Selected Year 4	20	Surface Treatment	3.09	1,700	89
135	5300	60	CIMARRON ST	TWILIGHT AV	OAK MEADOWS BD	Collector	ACP	555	2,036	4	4	Selected Year 4	20	Surface Treatment	3.09	6,300	89
136	5400	10	COAL MINE ST	SHENANDOAH AV	BOOTH DR	Local	ACP	294	1,080	1	0	Fall Through Year 1					62
137	5500	10	COAL MINE ST	BOOTH DR	TENDERFOOT AV	Local	ACP	283	1,037	1	0	Fall Through Year 1					82
138	5500	20	COAL MINE ST	TENDERFOOT AV	THISTLE RIDGE AV	Local	ACP	511	1,874	1	0	Fall Through Year 1					76
587	5500	30	COAL MINE ST	THISTLE RIDGE AV	CIMARRON ST	Local	ACP	251	920	1	0	Fall Through Year 1					78
139	5600	10	COAL MINE ST	MOUNTAIN SHADOWS BD	CDS	Local	ACP	260	1,386	5+	0	Not Selected					72
627	5700	10	COAL MINE ST	TWILIGHT AV	OAK MEADOWS BD	Local	ACP	551	2,020	1	0	Fall Through Year 1					60
140	5700	20	COAL MINE ST	OAK MEADOWS BD	CDS	Local	ACP	357	1,708	1	0	Fall Through Year 1					62
141	5800	10	COAL RIDGE ST	BOOTH DR	SPARROW AV	Local	ACP	530	1,944	2	0	Fall Through Year 2					51
142	5900	10	COAL RIDGE ST	TWILIGHT AV	OAK MEADOWS BD	Local	ACP	547	2,005	1	0	Fall Through Year 1					82
143	5900	20	COAL RIDGE ST	OAK MEADOWS BD	MOUNTAIN SHADOWS BD	Local	ACP	639	2,344	1	0	Fall Through Year 1					75
144	5900	30	COAL RIDGE ST	MOUNTAIN SHADOWS BD	END	Local	ACP	134	492	1	0	Fall Through Year 1					80
145	6000	10	COLORADO BD	PINE CONE AV	CHANGE IN OF THRU LANES	Arterial	ACP	475	2,113	4	4	Selected Year 4	20	Surface Treatment	3.70	7,800	89
146	6000	20	COLORADO BD	CHANGE IN OF THRU LANES	WIDTH OF SURFACE CHANGE	Arterial	ACP	4,192	20,495	4	4	Selected Year 4	20	Surface Treatment	3.70	75,900	89
147	6000	30	COLORADO BD	WIDTH OF SURFACE CHANGE	SABLE AV	Arterial	ACP	574	3,571	4	4	Selected Year 4	20	Surface Treatment	3.70	13,200	89
148	6000	40	COLORADO BD	SABLE AV	WIDCH	Arterial	ACP	512	3,186	2	2	Selected Year 2	20	Surface Treatment	3.70	11,800	86
149	6000	50	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	791	3,869	2	2	Selected Year 2	20	Surface Treatment	3.70	14,300	86
150	6000	60	COLORADO BD	WIDCH	BOOTH DR	Arterial	ACP	517	2,644	2	2	Selected Year 2	20	Surface Treatment	3.70	9,800	86
151	6000	70	COLORADO BD	BOOTH DR	WIDCH	Arterial	ACP	123	763	2	2	Selected Year 2	20	Surface Treatment	3.70	2,800	86
152	6000	80	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	1,100	5,869	2	2	Selected Year 2	20	Surface Treatment	3.70	21,700	86
153	6000	90	COLORADO BD	WIDCH	BOOTH DR	Arterial	ACP	189	1,325	2	2	Selected Year 2	20	Surface Treatment	3.70	4,900	86

Town of Firestone

\$640k Annual Budget Rehabilitation Program

5 Year Rehabilitation Program

GISID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Length (ft)	Pavement Area (yd2)	5 Year Rehabilitation Program							
										Need Year	Selected Rehab Year	Segment Rehab Results	Rehab Activity Code	Rehab Activity	Unit Rate (\$/yd2)	Segment Cost (\$)	5 Year Post Rehab PCI
154	6000	100	COLORADO BD	BOOTH DR	WIDCH	Arterial	ACP	319	2,372	2	2	Selected Year 2	20	Surface Treatment	3.70	8,800	86
155	6000	110	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	898	5,787	2	2	Selected Year 2	20	Surface Treatment	3.70	21,400	86
156	6000	120	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	106	845	2	2	Selected Year 2	20	Surface Treatment	3.70	3,100	86
157	6000	130	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	555	3,821	2	2	Selected Year 2	20	Surface Treatment	3.70	14,200	86
158	6000	140	COLORADO BD	WIDCH	FIRESTONE BD	Arterial	ACP	317	2,394	2	2	Selected Year 2	20	Surface Treatment	3.70	8,900	86
159	6000	150	COLORADO BD	FIRESTONE BD	WIDCH	Arterial	ACP	158	1,197	1	1	Selected Year 1	20	Surface Treatment	3.70	4,400	85
160	6000	160	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	264	2,171	1	1	Selected Year 1	20	Surface Treatment	3.70	8,000	85
161	6000	170	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	370	2,547	1	1	Selected Year 1	20	Surface Treatment	3.70	9,400	85
162	6000	180	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	158	863	1	1	Selected Year 1	20	Surface Treatment	3.70	3,200	85
163	6000	190	COLORADO BD	WIDCH	WIDCH	Arterial	ACP	1,162	5,035	1	1	Selected Year 1	20	Surface Treatment	3.70	18,600	85
164	6000	200	COLORADO BD	WIDCH	NCL	Arterial	ACP	3,286	8,761	2	0	Fall Through Year 2					40
599	6100	10	COLUMBINE ST	TWILIGHT AV	OAK MEADOWS BD	Local	ACP	551	2,020	5+	0	Not Selected					59
165	6100	20	COLUMBINE ST	OAK MEADOWS BD	MOUNTAIN SHADOWS BD	Local	ACP	634	2,323	5+	0	Not Selected					80
166	6100	30	COLUMBINE ST	MOUNTAIN SHADOWS BD	END	Local	ACP	162	592	5+	0	Not Selected					74
168	6200	10	DAHLIA ST	SNOWBERRY AV	CDS	Local	ACP	305	1,286	1	0	Fall Through Year 1					74
169	6300	10	DAISY CT	CDS	VALLEY VISTA AV	Local	ACP	289	1,379	1	0	Fall Through Year 1					71
170	6300	20	DAISY CT	VIEWPOINT AV	CDS	Local	ACP	343	1,640	1	0	Fall Through Year 1					80
171	6400	10	DAISY ST	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	709	2,600	1	0	Fall Through Year 1					60
172	6500	10	DEERFIELD DR	ULYSSES AV	OAK MEADOWS BD	Local	ACP	210	770	1	0	Fall Through Year 1					40
173	6500	20	DEERFIELD DR	OAK MEADOWS BD	VALLEY VISTA AV	Local	ACP	414	1,516	1	0	Fall Through Year 1					53
174	6500	30	DEERFIELD DR	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	496	1,819	4	0	Fall Through Year 4					63
175	6500	40	DEERFIELD DR	VIEWPOINT AV	DOVER ST	Local	ACP	547	2,005	4	0	Fall Through Year 4					59
176	6500	50	DEERFIELD DR	DOVER ST	VIEWPOINT AV	Local	ACP	803	3,301	4	0	Fall Through Year 4					48
177	6500	60	DEERFIELD DR	VIEWPOINT AV	VALLEY VISTA AV	Local	ACP	255	1,049	4	0	Fall Through Year 4					66
611	6600	10	DEERFIELD ST	SPARROW AV	CUL DE SAC	Local	ACP	252	1,094	4	0	Fall Through Year 4					48
588	6700	10	DEERFIELD ST	SADDLEBACK AV	DEVONSHIRE ST	Local	ACP	1,391	5,099	5	0	Fall Through Year 5					69
178	6800	10	DEVONSHIRE ST	SABLE AV	SADDLEBACK AV	Collector	ACP	258	1,345	1	0	Fall Through Year 1					37
179	6800	20	DEVONSHIRE ST	SADDLEBACK AV	SAGE AV	Collector	ACP	377	1,548	1	0	Fall Through Year 1					48
180	6800	30	DEVONSHIRE ST	SAGE AV	DEERFIELD ST	Collector	ACP	563	2,064	1	0	Fall Through Year 1					53
181	6800	40	DEVONSHIRE ST	DEERFIELD ST	SHENANDOAH AV	Collector	ACP	503	1,845	1	0	Fall Through Year 1					52
182	6800	50	DEVONSHIRE ST	SHENANDOAH AV	SNOWBERRY AV	Collector	ACP	467	1,711	3	0	Fall Through Year 3					46
183	6800	60	DEVONSHIRE ST	SNOWBERRY AV	SPARROW AV	Collector	ACP	258	946	3	0	Fall Through Year 3					54
184	6800	70	DEVONSHIRE ST	SPARROW AV	STAGECOACH AV	Collector	ACP	245	900	3	0	Fall Through Year 3					41
185	6800	80	DEVONSHIRE ST	STAGECOACH AV	TAYLOR AV	Collector	ACP	403	1,477	3	0	Fall Through Year 3					69
186	6900	10	DOGWOOD ST	SAGE AV	SHENANDOAH AV	Local	ACP	1,012	3,710	1	0	Fall Through Year 1					74
187	7000	10	DOVER ST	SAGE AV	SHENANDOAH AV	Local	ACP	1,003	3,678	5	0	Fall Through Year 5					69
622	7100	10	DOVER ST	TWILIGHT AV	UNION AV	Local	ACP	256	939	2	0	Fall Through Year 2					82
188	7100	20	DOVER ST	UNION AV	UTICA AV	Local	ACP	256	939	2	0	Fall Through Year 2					73
189	7100	30	DOVER ST	UTICA AV	VALLEY VISTA AV	Local	ACP	256	939	2	0	Fall Through Year 2					88
190	7100	40	DOVER ST	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	256	939	2	0	Fall Through Year 2					81
333	7100	50	DOVER ST	VIEWPOINT AV	DEERFIELD DR	Local	ACP	254	933	2	0	Fall Through Year 2					75
191	7200	10	DRESDEN ST	CDS	SHENANDOAH AV	Local	ACP	718	3,032	1	0	Fall Through Year 1					61

Town of Firestone

\$640k Annual Budget Rehabilitation Program

5 Year Rehabilitation Program

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192	7300	10	DRESDEN ST	NAME CHANGE	SPARROW AV	Local	ACP	218	799	5	0	Fall Through Year 5					56
193	7300	20	DRESDEN ST	SPARROW AV	STAGECOACH AV	Local	ACP	276	1,011	5	0	Fall Through Year 5					76
194	7300	30	DRESDEN ST	STAGECOACH AV	SUNBURST AV	Local	ACP	446	1,637	5	0	Fall Through Year 5					52
195	7400	10	DUSK ST	SHENANDOAH AV	CDS	Local	ACP	682	2,880	4	0	Fall Through Year 4					47
196	7500	10	EASTVIEW AV	SAGE AV	SANDY RIDGE CT	Local	ACP	146	536	4	0	Fall Through Year 4					44
197	7500	20	EASTVIEW AV	SANDY RIDGE CT	SHENANDOAH AV	Local	ACP	511	1,872	4	0	Fall Through Year 4					60
198	7500	30	EASTVIEW AV	SHENANDOAH AV	SILVERLEAF CT	Local	ACP	279	1,023	5	0	Fall Through Year 5					57
613	7500	40	EASTVIEW AV	SILVERLEAF CT	ST VRAIN RANCH BD	Local	ACP	481	1,762	5	0	Fall Through Year 5					60
199	7600	10	EBONY ST	THISTLE RIDGE AV	THUNDERHILL AV	Local	ACP	482	1,767	4	0	Fall Through Year 4					63
200	7600	20	EBONY ST	THUNDERHILL AV	TILBURY AV	Local	ACP	300	1,099	4	0	Fall Through Year 4					57
201	7600	30	EBONY ST	TILBURY AV	ECHO ST	Local	ACP	494	1,810	4	0	Fall Through Year 4					54
202	7700	10	EBONY ST	BEGIN	UNION AV	Local	ACP	104	382	5+	0	Not Selected					83
330	7700	20	EBONY ST	UNION AV	UTICA AV	Local	ACP	247	905	5+	0	Not Selected					71
203	7700	30	EBONY ST	UTICA AV	VALLEY VISTA AV	Local	ACP	256	939	5+	0	Not Selected					59
204	7700	40	EBONY ST	VALLEY VISTA AV	VIEWPOINT AV	Local	ACP	253	927	5+	0	Not Selected					67
205	7700	50	EBONY ST	VIEWPOINT AV	CDS	Local	ACP	666	2,888	5+	0	Not Selected					74
206	7800	10	ECHO CI	SHENANDOAH AV	SHENANDOAH AV	Local	ACP	1,458	5,347	3	0	Fall Through Year 3					55
207	7900	10	ECHO CT	STAGECOACH AV	CDS	Local	ACP	148	673	4	0	Fall Through Year 4					46
208	8000	10	ECHO ST	CUL DE SAC	ELDRIDGE ST	Local	ACP	275	1,253	1	0	Fall Through Year 1					56
209	8000	20	ECHO ST	ELDRIDGE ST	THISTLE RIDGE AV	Local	ACP	561	2,055	1	0	Fall Through Year 1					45
210	8100	10	ECHO ST	THISTLE RIDGE AV	THUNDERHILL AV	Local	ACP	482	1,767	1	1	Selected Year 1	26	Surface Treatment + RR	3.05	5,400	85
211	8100	20	ECHO ST	THUNDERHILL AV	TILBURY AV	Local	ACP	273	1,124	1	1	Selected Year 1	26	Surface Treatment + RR	3.05	3,400	86
212	8100	30	ECHO ST	TILBURY AV	EBONY ST	Local	ACP	277	1,017	1	1	Selected Year 1	26	Surface Treatment + RR	3.05	3,100	86
213	8100	40	ECHO ST	EBONY ST	FIRESTONE BD	Local	ACP	283	1,037	1	1	Selected Year 1	26	Surface Treatment + RR	3.05	3,200	86
214	8200	10	ELDRIDGE ST	ECHO ST	THISTLE RIDGE AV	Local	ACP	760	2,788	2	0	Fall Through Year 2					52
215	8300	10	FALCON CT	QUINCY AV	CUL DE SAC	Local	ACP	270	1,112	2	2	Selected Year 2	20	Surface Treatment	2.80	3,100	86
216	8400	10	FALCON ST	SAGE AV	SHENANDOAH AV	Local	ACP	312	1,146	5	0	Fall Through Year 5					64
217	8400	20	FALCON ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	770	2,823	5	0	Fall Through Year 5					57
218	8500	10	FALCON ST	ST VRAIN RANCH BD	STAGECOACH AV	Local	ACP	340	1,247	2	0	Fall Through Year 2					56
219	8500	20	FALCON ST	STAGECOACH AV	CUL DE SAC	Local	ACP	87	525	2	0	Fall Through Year 2					42
220	8600	10	FALCON ST	TILBURY AV	FIRESTONE BD	Local	ACP	524	2,969	5	0	Fall Through Year 5					70
221	8700	10	FARMDALE ST	BEGIN	MC CLURE AV	Local	ACP	126	463	4	4	Selected Year 4	20	Surface Treatment	2.80	1,300	89
222	8700	20	FARMDALE ST	MC CLURE AV	FLORENCE AV	Local	ACP	261	957	4	4	Selected Year 4	20	Surface Treatment	2.80	2,700	89
223	8700	30	FARMDALE ST	FLORENCE AV	BERWICK AV	Local	ACP	254	933	4	4	Selected Year 4	20	Surface Treatment	2.80	2,600	89
225	8800	10	FARMDALE ST	SAGE AV	SHENANDOAH AV	Local	ACP	267	978	1	2	Selected Year 2	20	Surface Treatment	2.80	2,700	86
583	8800	20	FARMDALE ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	827	3,033	1	2	Selected Year 2	20	Surface Treatment	2.80	8,500	86
226	8900	10	FARMDALE ST	SUNBURST AV	TENDERFOOT AV	Local	ACP	747	2,741	3	0	Fall Through Year 3					55
227	9000	10	FERNCREST ST	CDS	FOREST ST	Local	ACP	333	1,481	2	0	Fall Through Year 2					83
228	9000	20	FERNCREST ST	FOREST ST	PURDUE AV	Local	ACP	529	1,941	2	0	Fall Through Year 2					78
229	9100	10	FERNCREST ST	SHENENDOAH AV	SILVERLEAF AV	Local	ACP	798	2,924	5	0	Fall Through Year 5					59
230	9200	10	FERNCREST ST	SUNBURST AV	TENDERFOOT AV	Local	ACP	750	2,748	5	0	Fall Through Year 5					70
231	9300	10	FIRESTONE BD	SH 25	URBDRY	Arterial	PCC	346	2,960	5+	0	Not Selected					90

Town of Firestone

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5 Year Rehabilitation Program

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232	9300	20	FIRESTONE BD	URBAN BOUNDARY	SH FRONTAGE RD	Arterial	PCC	241	2,114	5+	0	Not Selected					92
233	9300	30	FIRESTONE BD	SH FRONTAGE RD	PRIVATE RD	Arterial	ACP	728	7,848	5+	0	Not Selected					69
234	9300	40	FIRESTONE BD	PRIVATE RD	JAKE JABS BD	Arterial	ACP	695	6,413	5+	0	Not Selected					74
235	9300	50	FIRESTONE BD	JAKE JABS BD	PRIVATE RD	Arterial	ACP	632	5,692	1	0	Fall Through Year 1					70
236	9300	60	FIRESTONE BD	PRIVATE RD	BAILEY ST	Arterial	ACP	664	5,610	1	0	Fall Through Year 1					81
237	9300	70	FIRESTONE BD	BAILEY ST	WIDCH	Arterial	ACP	710	5,526	5+	0	Not Selected					85
238	9300	80	FIRESTONE BD	WIDCH	BIRCH ST	Arterial	ACP	578	5,397	5+	0	Not Selected					84
240	9300	90	FIRESTONE BD	BIRCH ST	WIDCH	Arterial	ACP	685	4,944	5+	0	Not Selected					83
73	9300	100	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	1,174	5,741	3	3	Selected Year 3	20	Surface Treatment	3.70	21,300	87
241	9300	110	FIRESTONE BD	WIDCH	CENTER ST	Arterial	ACP	765	4,760	3	3	Selected Year 3	20	Surface Treatment	3.70	17,600	87
242	9300	120	FIRESTONE BD	CENTER ST	WIDCH	Arterial	ACP	475	2,958	3	3	Selected Year 3	20	Surface Treatment	3.70	11,000	87
243	9300	130	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	845	4,132	3	3	Selected Year 3	20	Surface Treatment	3.70	15,300	87
244	9300	140	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	264	1,819	5	0	Fall Through Year 5					59
245	9300	150	FIRESTONE BD	WIDCH	CIMARRON ST	Arterial	ACP	237	2,103	5	0	Fall Through Year 5					62
246	9300	160	FIRESTONE BD	CIMARRON ST	WIDCH	Arterial	ACP	423	3,756	5	0	Fall Through Year 5					54
247	9300	170	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	264	2,201	5	0	Fall Through Year 5					63
248	9300	180	FIRESTONE BD	WIDCH	COLORADO BD	Arterial	ACP	267	2,376	5	0	Fall Through Year 5					57
249	9300	190	FIRESTONE BD	COLORADO BD	WIDCH	Arterial	ACP	370	3,286	1	1	Selected Year 1	20	Surface Treatment	3.70	12,200	85
250	9300	200	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	475	3,592	1	1	Selected Year 1	20	Surface Treatment	3.70	13,300	85
251	9300	210	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	634	5,634	1	1	Selected Year 1	20	Surface Treatment	3.70	20,900	85
252	9300	220	FIRESTONE BD	WIDCH	WIDCH	Arterial	ACP	528	3,932	1	1	Selected Year 1	20	Surface Treatment	3.70	14,600	85
253	9300	230	FIRESTONE BD	WIDTH OF SURFACE CHANGE	ECHO ST	Arterial	ACP	581	3,615	1	0	Fall Through Year 1					66
254	9300	240	FIRESTONE BD	ECHO ST	FALCON ST	Arterial	ACP	1,186	5,928	1	0	Fall Through Year 1					76
255	9300	250	FIRESTONE BD	FALCON ST	WIDTH OF SURFACE CHANGE	Arterial	ACP	1,004	4,237	1	0	Fall Through Year 1					80
256	9300	260	FIRESTONE BD	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	158	775	1	0	Fall Through Year 1					82
257	9300	270	FIRESTONE BD	WIDTH OF SURFACE CHANGE	FRONTIER ST	Arterial	ACP	101	518	1	0	Fall Through Year 1					63
595	9300	280	FIRESTONE BD	FRONTIER ST	INGALLS ST	Arterial	ACP	5,382	16,743	2	5	Selected Year 5	50	Thick Overlay (> 2.0 - 3.0)	27.77	465,000	96
258	9300	290	FIRESTONE BD	INGALLS ST	LOCUST ST	Arterial	ACP	5,209	16,205	2	0	Fall Through Year 2					49
259	9400	10	FLORENCE AV	NAPLES ST	1ST ST	Local	ACP	263	965	5	0	Fall Through Year 5					83
260	9400	20	FLORENCE AV	1ST ST	2ND ST	Local	ACP	554	2,464	3	0	Fall Through Year 3					33
261	9400	30	FLORENCE AV	2ND ST	3RD ST	Local	ACP	555	2,036	3	0	Fall Through Year 3					56
262	9400	40	FLORENCE AV	3RD ST	4TH ST	Local	ACP	569	2,088	3	0	Fall Through Year 3					47
589	9400	50	FLORENCE AV	4TH ST	FLORENCE CT	Local	ACP	277	1,169	2	0	Fall Through Year 2					50
590	9400	60	FLORENCE AV	BERWICK AV	FARMDALE ST	Local	ACP	681	2,496	3	0	Fall Through Year 3					80
591	9400	70	FLORENCE AV	FARMDALE ST	CDS	Local	ACP	831	3,415	3	0	Fall Through Year 3					81
263	9500	10	FLORENCE CT	FLORENCE AVE	CDS	Local	ACP	174	1,662	2	0	Fall Through Year 2					36
264	9600	10	FOREST ST	MC CLURE AV	FLORENCE AV	Local	ACP	258	945	1	0	Fall Through Year 1					80
265	9600	20	FOREST ST	FLORENCE AV	BERWICK AV	Local	ACP	254	933	1	0	Fall Through Year 1					77
266	9600	30	FOREST ST	BERWICK AV	END OF ROAD	Local	ACP	138	505	1	0	Fall Through Year 1					82
267	9700	10	FOREST ST	FERNCREST ST	FOXIRE ST	Local	ACP	341	1,251	1	0	Fall Through Year 1					75
268	9700	20	FOREST ST	FOXIRE ST	PURDUE AV	Local	ACP	428	1,569	1	0	Fall Through Year 1					79
269	9800	10	FOXFIRE ST	FOREST ST	CUL DE SAC	Local	ACP	442	1,913	4	0	Fall Through Year 4					83

Town of Firestone

\$640k Annual Budget Rehabilitation Program

5 Year Rehabilitation Program

GISID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Length (ft)	Pavement Area (yd2)	5 Year Rehabilitation Program							
										Need Year	Selected Rehab Year	Segment Rehab Results	Rehab Activity Code	Rehab Activity	Unit Rate (\$/yd2)	Segment Cost (\$)	5 Year Post Rehab PCI
270	9900	10	FOXFIRE ST	SHENANDOAH AV	SILVERLEAF AV	Local	ACP	812	2,978	3	3	Selected Year 3	20	Surface Treatment	2.80	8,300	87
271	9900	20	FOXFIRE ST	SILVERLEAF AV	ST VRAIN RANCH BD	Local	ACP	339	1,244	3	3	Selected Year 3	20	Surface Treatment	2.80	3,500	87
272	9900	30	FOXFIRE ST	ST VRAIN RANCH BD	QUIGLEY CI	Local	ACP	452	1,656	2	0	Fall Through Year 2					48
273	9900	40	FOXFIRE ST	QUIGLEY CI	SUMMERSET AV	Local	ACP	501	1,835	2	0	Fall Through Year 2					57
276	10000	10	FRONTIER ST	BEGIN	PANORAMA AV	Local	ACP	289	770	2	0	Fall Through Year 2					72
277	10000	20	FRONTIER ST	PANORAMA AV	PINE CONE AV	Local	ACP	1,607	4,286	2	0	Fall Through Year 2					81
278	10000	30	FRONTIER ST	PINE CONE AV	PURDUE AV	Arterial	ACP	1,071	2,856	2	0	Fall Through Year 2					42
279	10000	40	FRONTIER ST	PURDUE AV	SIOUX CT	Arterial	ACP	908	2,420	2	0	Fall Through Year 2					38
280	10000	50	FRONTIER ST	SIOUX CT	SIERRA VISTA RD	Arterial	ACP	924	2,463	2	0	Fall Through Year 2					40
281	10000	60	FRONTIER ST	SIERRA VISTA RD	SABLE AV	Arterial	ACP	2,378	6,340	4	4	Selected Year 4	50	Thick Overlay (> 2.0 - 3.0)	27.77	176,100	94
282	10000	70	FRONTIER ST	SABLE AV	WIDTH OF SURFACE CHANGE	Arterial	ACP	317	1,479	3	3	Selected Year 3	26	Surface Treatment + RR	3.95	5,800	87
283	10000	80	FRONTIER ST	WIDTH OF SURFACE CHANGE	MAPLE ST	Arterial	ACP	398	1,945	3	3	Selected Year 3	26	Surface Treatment + RR	3.95	7,700	87
284	10000	90	FRONTIER ST	MAPLE ST	SHENANDOAH AV	Arterial	ACP	200	979	3	3	Selected Year 3	26	Surface Treatment + RR	3.95	3,900	87
285	10000	100	FRONTIER ST	SHENANDOAH AV	LNCHG	Arterial	ACP	475	2,324	3	3	Selected Year 3	26	Surface Treatment + RR	3.95	9,200	87
286	10000	110	FRONTIER ST	CHANGE IN OF THRU LANES	WIDTH OF SURFACE CHANGE	Arterial	ACP	423	2,300	3	3	Selected Year 3	26	Surface Treatment + RR	3.95	9,100	87
287	10000	120	FRONTIER ST	WIDTH OF SURFACE CHANGE	ST VRAIN RANCH BD	Arterial	ACP	228	1,416	2	2	Selected Year 2	26	Surface Treatment + RR	3.95	5,600	86
288	10000	130	FRONTIER ST	ST VRAIN RANCH BD	WIDTH OF SURFACE CHANGE	Arterial	ACP	423	2,629	2	2	Selected Year 2	26	Surface Treatment + RR	3.95	10,400	85
289	10000	140	FRONTIER ST	WIDTH OF SURFACE CHANGE	LNCHG	Arterial	ACP	265	1,413	2	2	Selected Year 2	26	Surface Treatment + RR	3.95	5,600	85
290	10000	150	FRONTIER ST	CHANGE IN OF THRU LANES	SUMMERSET AV	Arterial	ACP	277	1,415	2	2	Selected Year 2	26	Surface Treatment + RR	3.95	5,600	85
291	10000	160	FRONTIER ST	SUMMERSET AV	WIDCH	Arterial	ACP	634	2,535	2	2	Selected Year 2	26	Surface Treatment + RR	3.95	10,000	86
292	10000	170	FRONTIER ST	WIDTH OF SURFACE CHANGE	TENDERFOOT AV	Arterial	ACP	462	2,259	2	2	Selected Year 2	26	Surface Treatment + RR	3.95	8,900	86
293	10000	180	FRONTIER ST	TENDERFOOT AV	WIDCH	Arterial	ACP	423	2,066	1	1	Selected Year 1	26	Surface Treatment + RR	3.95	8,200	85
582	10000	190	FRONTIER ST	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	317	1,373	1	1	Selected Year 1	26	Surface Treatment + RR	3.95	5,400	85
294	10000	200	FRONTIER ST	WIDTH OF SURFACE CHANGE	FIRESTONE BD	Arterial	ACP	525	2,566	1	1	Selected Year 1	26	Surface Treatment + RR	3.95	10,100	85
296	10100	10	GRANT AV	CR 13	LNCHG	Collector	ACP	264	1,673	3	3	Selected Year 3	40	Moderate Overlay (1.5 - 3.0)	18.47	30,900	91
297	10100	20	GRANT AV	CHANGE IN OF THRU LANES	1ST ST	Collector	ACP	514	2,970	3	3	Selected Year 3	40	Moderate Overlay (1.5 - 3.0)	18.47	54,800	91
298	10100	30	GRANT AV	1ST ST	2ND ST	Collector	ACP	559	2,611	1	4	Selected Year 4	50	Thick Overlay (> 2.0 - 3.0)	23.15	60,400	94
299	10100	40	GRANT AV	2ND ST	3RD ST	Collector	ACP	549	2,563	1	4	Selected Year 4	50	Thick Overlay (> 2.0 - 3.0)	23.15	59,300	94
300	10100	50	GRANT AV	3RD ST	4TH ST	Collector	ACP	565	2,636	1	4	Selected Year 4	50	Thick Overlay (> 2.0 - 3.0)	23.15	61,000	94
301	10100	60	GRANT AV	4TH ST	SHERILYNN CI	Collector	ACP	691	3,227	1	4	Selected Year 4	50	Thick Overlay (> 2.0 - 3.0)	23.15	74,700	94
302	10100	70	GRANT AV	SHERILYNN CI	SRFCH	Collector	ACP	266	1,064	1	4	Selected Year 4	50	Thick Overlay (> 2.0 - 3.0)	23.15	24,600	94
305	10200	10	GRANVILLE AV	1ST ST	2ND ST	Local	ACP	561	2,492	2	0	Fall Through Year 2					45
306	10200	20	GRANVILLE AV	2ND ST	3RD ST	Local	ACP	558	2,481	2	0	Fall Through Year 2					41
307	10200	30	GRANVILLE AV	3RD ST	4TH ST	Local	ACP	563	2,503	2	0	Fall Through Year 2					38
580	10300	10	GRANVILLE AV	5TH ST	END	Local	ACP	129	472	4	4	Selected Year 4	10	Slurry Seal	1.90	900	87
308	10400	10	GRANVILLE CI	4TH ST	BERWICK AV	Local	ACP	721	3,043	3	0	Fall Through Year 3					55
309	10500	10	HART ST	BUCHANAN AV	JACKSON AV	Local	ACP	661	2,792	2	0	Fall Through Year 2					51
312	10600	10	JACKSON AV	1ST ST	2ND ST	Local	ACP	559	1,926	1	0	Fall Through Year 1					35
313	10600	20	JACKSON AV	2ND ST	3RD ST	Local	ACP	546	2,306	1	0	Fall Through Year 1					43
338	10600	30	JACKSON AV	3RD ST	4TH ST	Local	ACP	572	2,161	1	0	Fall Through Year 1					40
339	10600	40	JACKSON AV	4TH ST	HART ST	Local	ACP	267	1,126	1	0	Fall Through Year 1					60
340	10600	50	JACKSON AV	HART ST	5TH ST	Local	ACP	208	647	1	0	Fall Through Year 1					65

Town of Firestone

\$640k Annual Budget Rehabilitation Program

5 Year Rehabilitation Program

GISID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Length (ft)	Pavement Area (yd2)	5 Year Rehabilitation Program									
										Need Year	Selected Rehab Year	Segment Rehab Results	Rehab Activity Code	Rehab Activity	Unit Rate (\$/yd2)	Segment Cost (\$)	5 Year Post Rehab PCI		
341	10600	60	JACKSON AV	5TH ST	CUL DE SAC	Local	ACP	202	1,009	1	0	Fall Through Year 1					62		
342	10700	10	JACKSON DR	1ST ST	1ST ST	Local	ACP	1,082	4,567	5	0	Fall Through Year 5					25		
375	10800	10	JAKE JABS BLVD	BEGIN	LNCHG	Local	ACP	1,109	4,067	5	0	Fall Through Year 5					83		
376	10800	20	JAKE JABS BLVD	CHANGE IN OF THRU LANES	WIDCH	Local	ACP	370	2,670	5	0	Fall Through Year 5					70		
377	10800	30	JAKE JABS BLVD	WIDTH OF SURFACE CHANGE	LNCHG	Local	ACP	475	3,169	5	0	Fall Through Year 5					68		
378	10800	40	JAKE JABS BLVD	CHANGE IN OF THRU LANES	CITY CENTRE RD	Local	ACP	411	3,469	5	0	Fall Through Year 5					57		
379	10800	50	JAKE JABS BLVD	CITY CENTRE RD	FIRESTONE BLVD	Local	ACP	340	3,404	5	0	Fall Through Year 5					69		
380	10900	10	LOCUST ST	FIRESTONE BD	ZINNIA AV	Arterial	ACP	5,442	14,511	1	1	Selected Year 1	50	Thick Overlay (> 2.0 - 3.0)	27.77	403,000	88		
585	11000	10	MC CLURE AV	1ST ST	JOHNSON ST	Local	ACP	258	1,004	2	2	Selected Year 2	50	Thick Overlay (> 2.0 - 3.0)	21.00	21,100	91		
382	11000	20	MC CLURE AV	JOHNSON ST	2ND ST	Local	ACP	288	704	2	2	Selected Year 2	50	Thick Overlay (> 2.0 - 3.0)	21.00	14,800	91		
383	11000	30	MC CLURE AV	2ND ST	3RD ST	Local	ACP	557	1,363	2	2	Selected Year 2	50	Thick Overlay (> 2.0 - 3.0)	21.00	28,600	91		
384	11000	40	MC CLURE AV	3RD ST	4TH ST	Local	ACP	565	1,381	2	2	Selected Year 2	50	Thick Overlay (> 2.0 - 3.0)	21.00	29,000	91		
385	11000	50	MC CLURE AV	4TH ST	5TH ST	Local	ACP	543	1,326	2	2	Selected Year 2	50	Thick Overlay (> 2.0 - 3.0)	21.00	27,900	91		
331	11000	60	MC CLURE AV	5TH ST	ADAMS WY	Local	ACP	322	788	2	2	Selected Year 2	20	Surface Treatment	2.80	2,200	86		
610	11000	70	MC CLURE AV	ADAMS WY	FARMDALE ST	Local	ACP	872	3,196	2	2	Selected Year 2	20	Surface Treatment	2.80	8,900	86		
387	11000	80	MC CLURE AV	FARMDALE ST	FOREST ST	Local	ACP	458	1,680	2	2	Selected Year 2	20	Surface Treatment	2.80	4,700	86		
388	11000	90	MC CLURE AV	FOREST ST	FRONTIER ST	Local	ACP	374	1,371	2	2	Selected Year 2	20	Surface Treatment	2.80	3,800	86		
389	11100	10	MONARCH DR	SANDY RIDGE AV	SCENIC AV	Collector	ACP	481	1,763	5	0	Fall Through Year 5					58		
604	11100	20	MONARCH DR	SCENIC AV	SILVERLEAF AV	Collector	ACP	342	1,255	5	0	Fall Through Year 5					57		
390	11100	30	MONARCH DR	SILVERLEAF AV	BAILEY ST	Collector	ACP	723	2,650	5	0	Fall Through Year 5					73		
391	11100	40	MONARCH DR	BAILEY ST	BALD EAGLE ST	Collector	ACP	297	1,088	5	0	Fall Through Year 5					57		
392	11100	50	MONARCH DR	BALD EAGLE ST	BEDFORD ST	Collector	ACP	129	471	5	0	Fall Through Year 5					48		
393	11100	60	MONARCH DR	BEDFORD ST	BIRCH ST	Collector	ACP	315	1,156	5	0	Fall Through Year 5					40		
394	11200	10	MONMOUTH AV	1ST ST	2ND ST	Local	ACP	560	2,366	1	5	Selected Year 5	50	Thick Overlay (> 2.0 - 3.0)	21.00	49,700	96		
395	11200	20	MONMOUTH AV	2ND ST	3RD ST	Local	ACP	547	2,308	1	5	Selected Year 5	50	Thick Overlay (> 2.0 - 3.0)	21.00	48,500	96		
396	11200	30	MONMOUTH AV	3RD ST	4TH ST	Local	ACP	572	2,415	1	5	Selected Year 5	50	Thick Overlay (> 2.0 - 3.0)	21.00	50,700	96		
74	11300	10	MOUNTAIN SHADOWS BD	CARBONDALE ST	CHERRY VALE ST	Local	ACP	820	3,097	1	0	Fall Through Year 1					77		
397	11300	20	MOUNTAIN SHADOWS BD	CHERRY VALE ST	COAL MINE ST	Local	ACP	448	1,841	1	0	Fall Through Year 1					74		
398	11300	30	MOUNTAIN SHADOWS BD	COAL MINE ST	COAL RIDGE ST	Local	ACP	290	1,064	1	0	Fall Through Year 1					70		
399	11300	40	MOUNTAIN SHADOWS BD	COAL RIDGE ST	COLUMBINE ST	Local	ACP	276	1,164	1	0	Fall Through Year 1					62		
400	11300	50	MOUNTAIN SHADOWS BD	COLUMBINE ST	COLORAODO BD	Local	ACP	245	898	1	0	Fall Through Year 1					80		
401	11400	10	NAPLES ST	CDS	FLORENCE AV	Local	ACP	205	1,001	2	0	Fall Through Year 2					74		
402	11400	20	NAPLES ST	FLORENCE AV	VENICE AV	Local	ACP	487	1,786	2	0	Fall Through Year 2					82		
621	11400	30	NAPLES ST	VENICE AV	CDS	Local	ACP	382	1,697	2	0	Fall Through Year 2					83		
606	11500	10	NEIGHBORS PKW	BIRCH ST	BLUEGRASS ST	Collector	ACP	235	862	5+	0	Not Selected					78		
406	11500	20	NEIGHBORS PKW	BLUEGRASS ST	BOUNTIFUL ST	Collector	ACP	264	968	5+	0	Not Selected					69		
405	11500	30	NEIGHBORS PKW	BOUNTIFUL ST	BRADBURY ST	Collector	ACP	206	756	5+	0	Not Selected					63		
404	11500	40	NEIGHBORS PKW	BRADBURY ST	BLUEGRASS ST	Collector	ACP	440	1,615	5+	0	Not Selected					64		
403	11500	50	NEIGHBORS PKW	BLUEGRASS ST	BUFFALO ST	Collector	ACP	612	2,245	5+	0	Not Selected					80		
407	11600	10	OAK MEADOWS BLVD	CIMARRON ST	COAL MINE ST	Collector	ACP	282	1,032	1	0	Fall Through Year 1					54		
408	11600	20	OAK MEADOWS BLVD	COAL MINE ST	COAL RIDGE ST	Collector	ACP	278	1,020	1	0	Fall Through Year 1					52		
409	11600	30	OAK MEADOWS BLVD	COAL RIDGE ST	COLUMBINE ST	Collector	ACP	295	1,246	1	0	Fall Through Year 1					62		

Town of Firestone

\$640k Annual Budget Rehabilitation Program

5 Year Rehabilitation Program

GISID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Length (ft)	Pavement Area (yd2)	Need Year	Selected Rehab Year	Segment Rehab Results	Rehab Activity Code	Rehab Activity	Unit Rate (\$/yd2)	Segment Cost (\$)	5 Year Post Rehab PCI
314	11600	40	OAK MEADOWS BLVD	COLUMBINE ST	COLORADO BD	Collector	ACP	238	871	1	0	Fall Through Year 1					77
315	11600	50	OAK MEADOWS BLVD	COLORADO BD	DEERFIELD DR	Collector	ACP	451	1,853	1	2	Selected Year 2	10	Slurry Seal	2.09	3,900	84
316	11600	60	OAK MEADOWS BLVD	DEERFIELD DR	TWILIGHT AV	Collector	ACP	671	1,864	1	2	Selected Year 2	10	Slurry Seal	2.09	3,900	84
317	11600	70	OAK MEADOWS BLVD	TWILIGHT AV	WIDCH	Collector	ACP	792	2,201	1	2	Selected Year 2	10	Slurry Seal	2.09	4,600	84
318	11600	80	OAK MEADOWS BLVD	WIDTH OF SURFACE CHANGE	LNCHG	Collector	ACP	158	581	1	2	Selected Year 2	10	Slurry Seal	2.09	1,200	84
319	11600	90	OAK MEADOWS BLVD	CHANGE IN OF THRU LANES	FIRESTONE BD	Collector	ACP	123	604	1	2	Selected Year 2	10	Slurry Seal	2.09	1,300	84
320	11700	10	OWL LAKE DR	PINE CONE AV	PINE CONE AV	Local	ACP	2,844	8,847	2	2	Selected Year 2	20	Surface Treatment	2.80	24,800	86
321	11800	10	PARK AV	SABLE AV	END	Local	ACP	1,266	3,938	1	0	Fall Through Year 1					50
322	11900	10	PINE CONE AV	COLORADO BD	OWL LAKE DR	Arterial	ACP	2,698	8,393	4	4	Selected Year 4	26	Surface Treatment + RR	3.95	33,200	89
323	11900	20	PINE CONE AV	OWL LAKE DR	OWL LAKE DR	Arterial	ACP	1,049	2,799	5	0	Fall Through Year 5					56
324	11900	30	PINE CONE AV	OWL LAKE DR	FRONTIER ST	Arterial	ACP	1,264	4,774	5	0	Fall Through Year 5					60
325	11900	40	PINE CONE AV	FRONTIER ST	APACHE RD	Arterial	ACP	1,624	5,052	3	3	Selected Year 3	26	Surface Treatment + RR	3.95	20,000	87
326	11900	50	PINE CONE AV	APACHE RD	DEL CAMINO LN	Arterial	ACP	1,659	4,424	3	3	Selected Year 3	26	Surface Treatment + RR	3.95	17,500	87
327	11900	60	PINE CONE AV	DEL CAMINO LN	ECL	Arterial	ACP	1,946	5,189	1	0	Fall Through Year 1					48
328	12000	10	PURDUE AV	BGN	FERNCREST ST	Local	ACP	176	645	4	4	Selected Year 4	20	Surface Treatment	2.80	1,800	89
329	12000	20	PURDUE AV	FERNCREST ST	FOREST ST	Local	ACP	346	1,267	4	4	Selected Year 4	20	Surface Treatment	2.80	3,500	89
410	12000	30	PURDUE AV	FOREST ST	FRONTIER ST	Local	ACP	281	1,029	4	4	Selected Year 4	20	Surface Treatment	2.80	2,900	89
411	12100	10	QUIGLEY CI	ST VRAIN RANCH BD	SUMMERSET AV	Local	ACP	420	1,538	3	0	Fall Through Year 3					49
412	12100	20	QUIGLEY CI	SUMMERSET AV	FOXFIRE ST	Local	ACP	299	1,096	3	0	Fall Through Year 3					63
592	12200	10	QUINCY AV	ST VRAIN RANCH BD	FALCON CT	Local	ACP	502	1,842	3	0	Fall Through Year 3					51
620	12200	20	QUINCY AV	FALCON CT	ST VRAIN RANCH BD	Local	ACP	664	2,436	3	0	Fall Through Year 3					55
629	12300	10	RANGEVIEW AV	REMINGTON AV	CUL DE SAC	Local	ACP	455	1,921	5+	0	Not Selected					73
413	12400	10	RAVEN ST	ROADRUNNER AV	CDS	Local	ACP	254	1,099	5	0	Fall Through Year 5					84
414	12500	10	REMINGTON AV	ROSEWOOD AV	RIMROCK AV	Local	ACP	373	1,366	1	0	Fall Through Year 1					72
415	12500	20	REMINGTON AV	RIMROCK AV	BOUNTIFUL ST	Local	ACP	358	1,313	1	0	Fall Through Year 1					76
416	12500	30	REMINGTON AV	BOUNTIFUL ST	RANGEVIEW AV	Local	ACP	583	2,137	1	0	Fall Through Year 1					74
417	12500	40	REMINGTON AV	RANGEVIEW AV	BUFFALO ST	Local	ACP	639	2,342	1	0	Fall Through Year 1					83
418	12500	50	REMINGTON AV	BUFFALO ST	ROAD RUNNER AV	Local	ACP	1,121	4,610	1	0	Fall Through Year 1					73
419	12500	60	REMINGTON AV	ROAD RUNNER AV	BOWERSOX PY	Local	ACP	314	1,152	1	0	Fall Through Year 1					74
420	12600	10	RIMROCK AV	REMINGTON AV	CDS	Local	ACP	263	1,141	4	0	Fall Through Year 4					82
423	12700	10	ROADRUNNER AV	CASCADE ST	CEDAR ST	Local	ACP	175	640	1	0	Fall Through Year 1					69
425	12700	20	ROADRUNNER AV	CEDAR ST	ROSEWOOD AV	Local	ACP	805	2,953	1	0	Fall Through Year 1					69
426	12700	30	ROADRUNNER AV	ROSEWOOD AV	RAVEN ST	Local	ACP	262	959	1	0	Fall Through Year 1					73
424	12700	40	ROADRUNNER AV	RAVEN ST	REMINGTON AV	Local	ACP	291	1,067	1	0	Fall Through Year 1					75
422	12700	50	ROADRUNNER AV	REMINGTON AV	BUFFALO ST	Local	ACP	788	3,239	1	0	Fall Through Year 1					80
421	12700	60	ROADRUNNER AV	BUFFALO ST	CDS	Local	ACP	257	1,115	1	0	Fall Through Year 1					67
593	12800	10	ROSEWOOD AV	BIRCH ST	REMINGTON AV	Local	ACP	246	1,065	1	0	Fall Through Year 1					49
612	12800	20	ROSEWOOD AV	REMINGTON AV	BOWERSOX PY	Local	ACP	360	1,522	1	0	Fall Through Year 1					50
428	12900	10	ROSEWOOD AV	ROADRUNNER AV	BOWERSOX PY	Local	ACP	294	1,207	2	2	Selected Year 2	20	Surface Treatment	3.09	3,700	86
427	12900	20	ROSEWOOD AV	BOWERSOX PY	CDS	Local	ACP	240	1,092	2	2	Selected Year 2	20	Surface Treatment	3.09	3,400	86
431	12900	10	RUBY AV	BUFFALO ST	CASCADE ST	Collector	ACP	257	941	2	2	Selected Year 2	20	Surface Treatment	3.09	2,900	86
430	12900	20	RUBY AV	CASCADE ST	BLUEGRASS ST	Collector	ACP	589	2,158	2	2	Selected Year 2	20	Surface Treatment	3.09	6,700	86

Town of Firestone

\$640k Annual Budget Rehabilitation Program

5 Year Rehabilitation Program

GISID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Length (ft)	Pavement Area (yd2)	5 Year Rehabilitation Program							
										Need Year	Selected Rehab Year	Segment Rehab Results	Rehab Activity Code	Rehab Activity	Unit Rate (\$/yd2)	Segment Cost (\$)	5 Year Post Rehab PCI
429	12900	30	RUBY AV	BLUEGRASS ST	ROSEWOOD AV	Collector	ACP	183	673	2	2	Selected Year 2	20	Surface Treatment	3.09	2,100	86
432	13000	10	RUSTIC AV	BLUEGRASS ST	BOUNTIFUL ST	Local	ACP	350	1,439	1	0	Fall Through Year 1					81
433	13000	20	RUSTIC AV	BOUNTIFUL ST	BRADBURY ST	Local	ACP	286	1,050	1	0	Fall Through Year 1					71
434	13000	30	RUSTIC AV	BRADBURY ST	BUFFALO ST	Local	ACP	343	1,256	1	0	Fall Through Year 1					69
435	13000	40	RUSTIC AV	BUFFALO ST	BUTTESFIELD ST	Local	ACP	328	1,350	4	0	Fall Through Year 4					64
436	13000	50	RUSTIC AV	BUTTESFIELD ST	CASCADE ST	Local	ACP	849	3,114	4	0	Fall Through Year 4					66
437	13000	60	RUSTIC AV	CASCADE ST	CDS	Local	ACP	285	1,298	4	0	Fall Through Year 4					78
631	13100	10	SABLE AV	SH FRONTAGE RD	SURFACE CHANGE	Arterial	ACP	1,373	3,662	3	3	Selected Year 3	43	Moderate Overlay + RR	23.15	84,800	90
438	13200	10	SABLE AV	SRFCH	BIRCH ST	Arterial	ACP	45	144	2	2	Selected Year 2	20	Surface Treatment	3.70	500	85
439	13200	20	SABLE AV	BIRCH ST	WIDCH	Arterial	ACP	792	2,905	2	2	Selected Year 2	20	Surface Treatment	3.70	10,800	85
440	13200	30	SABLE AV	WIDTH OF SURFACE CHANGE	BUFFALO ST	Arterial	ACP	396	2,462	2	2	Selected Year 2	20	Surface Treatment	3.70	9,100	86
441	13200	40	SABLE AV	BUFFALO ST	WIDCH	Arterial	ACP	317	1,972	2	2	Selected Year 2	20	Surface Treatment	3.70	7,300	85
442	13200	50	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	423	1,690	2	2	Selected Year 2	20	Surface Treatment	3.70	6,300	85
443	13200	60	SABLE AV	WIDTH OF SURFACE CHANGE	CASCADE ST	Arterial	ACP	304	1,757	2	2	Selected Year 2	20	Surface Treatment	3.70	6,500	86
444	13200	70	SABLE AV	CASCADE ST	LNCHG	Arterial	ACP	211	1,103	2	2	Selected Year 2	20	Surface Treatment	3.70	4,100	86
445	13200	80	SABLE AV	CHANGE IN OF THRU LANES	WIDCH	Arterial	ACP	739	3,615	1	0	Fall Through Year 1					52
446	13200	90	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	106	469	1	0	Fall Through Year 1					45
447	13200	100	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	1,109	4,067	1	0	Fall Through Year 1					41
448	13200	110	SABLE AV	WIDTH OF SURFACE CHANGE	WIDCH	Arterial	ACP	634	2,324	1	0	Fall Through Year 1					49
449	13200	120	SABLE AV	WIDTH OF SURFACE CHANGE	COLORADO BD	Arterial	ACP	348	1,700	5	0	Fall Through Year 5					40
450	13200	130	SABLE AV	COLORADO BD	LNCHG	Arterial	ACP	264	1,643	5	0	Fall Through Year 5					51
451	13200	140	SABLE AV	CHANGE IN OF THRU LANES	DEVONSHIRE ST	Arterial	ACP	341	1,972	5	0	Fall Through Year 5					58
452	13200	150	SABLE AV	DEVONSHIRE ST	WIDCH	Arterial	ACP	687	3,357	5	0	Fall Through Year 5					69
453	13200	160	SABLE AV	WIDTH OF SURFACE CHANGE	PARK AV	Arterial	ACP	682	4,397	5	0	Fall Through Year 5					58
454	13200	170	SABLE AV	PARK AV	WIDCH	Arterial	ACP	423	2,394	1	1	Selected Year 1	20	Surface Treatment	3.70	8,900	84
455	13200	180	SABLE AV	WIDTH OF SURFACE CHANGE	FRONTIER ST	Arterial	ACP	2,554	8,514	1	1	Selected Year 1	20	Surface Treatment	3.70	31,500	85
456	13300	10	SADDLEBACK AV	DEVONSHIRE ST	ST VRAIN RANCH BD	Local	ACP	1,374	5,037	1	0	Fall Through Year 1					76
457	13300	20	SADDLEBACK AV	ST VRAIN RANCH BD	SHENANDOAH AV	Local	ACP	3,267	12,705	4	0	Fall Through Year 4					57
334	13400	10	SAGE AV	DEVONSHIRE ST	DOGWOOD ST	Local	ACP	320	1,173	4	4	Selected Year 4	20	Surface Treatment	2.80	3,300	89
458	13400	20	SAGE AV	DOGWOOD ST	DOVER ST	Local	ACP	280	1,026	4	4	Selected Year 4	20	Surface Treatment	2.80	2,900	89
459	13400	30	SAGE AV	DOVER ST	ST VRAIN RANCH BD	Local	ACP	777	2,848	4	4	Selected Year 4	20	Surface Treatment	2.80	8,000	89
460	13400	40	SAGE AV	ST VRAIN RANCH BD	EASTVIEW ST	Local	ACP	431	1,771	5	0	Fall Through Year 5					53
461	13400	50	SAGE AV	EASTVIEW ST	SCENIC CT	Local	ACP	557	2,291	5	0	Fall Through Year 5					49
462	13400	60	SAGE AV	SCENIC CT	FALCON ST	Local	ACP	739	2,708	5	0	Fall Through Year 5					56
463	13400	70	SAGE AV	FALCON ST	FARMDALE ST	Local	ACP	263	1,082	5	0	Fall Through Year 5					65
464	13400	80	SAGE AV	FARMDALE ST	CDS	Local	ACP	356	1,661	5	0	Fall Through Year 5					79
465	13500	10	SANDY RIDGE AV	BEGIN	MONARCH DR	Local	ACP	140	515	5	0	Fall Through Year 5					71
466	13500	20	SANDY RIDGE AV	MONARCH DR	AUDREY ST	Local	ACP	163	599	5	0	Fall Through Year 5					68
467	13500	30	SANDY RIDGE AV	AUDREY ST	BALD EAGLE ST	Local	ACP	560	2,054	5	0	Fall Through Year 5					69
468	13500	40	SANDY RIDGE AV	BALD EAGLE ST	BARRON ST	Local	ACP	444	1,630	5	0	Fall Through Year 5					63
469	13500	50	SANDY RIDGE AV	BARRON ST	BELMONT ST	Local	ACP	470	1,722	5	0	Fall Through Year 5					49
470	13500	60	SANDY RIDGE AV	BELMONT ST	BIRCH ST	Local	ACP	219	802	5	0	Fall Through Year 5					42

Town of Firestone

\$640k Annual Budget Rehabilitation Program

5 Year Rehabilitation Program

GISID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Length (ft)	Pavement Area (yd2)	Need Year	Selected Rehab Year	Segment Rehab Results	Rehab Activity Code	Rehab Activity	Unit Rate (\$/yd2)	Segment Cost (\$)	5 Year Post Rehab PCI
471	13600	10	SANDY RIDGE AV	BRIARWOOD ST	BUFFALO ST	Local	ACP	257	941	1	0	Fall Through Year 1					73
472	13600	20	SANDY RIDGE AV	BUFFALO ST	BUTTESFIELD ST	Local	ACP	217	796	1	0	Fall Through Year 1					80
473	13600	30	SANDY RIDGE AV	BUTTESFIELD ST	END OF ROAD	Local	ACP	159	581	1	0	Fall Through Year 1					79
474	13700	10	SANDY RIDGE CT	EASTVIEW AV	CDS	Local	ACP	682	2,957	5	0	Fall Through Year 5					60
475	13900	10	SCENIC AV	MONARCH DR	CDS	Local	ACP	223	1,068	4	0	Fall Through Year 4					57
476	14000	10	SCENIC AV	SHENANDOAH AV	SHENANDOAH AV	Local	ACP	1,362	4,994	2	0	Fall Through Year 2					53
477	14000	20	SCENIC AV	SHENANDOAH AV	BOOTH DR	Local	ACP	259	951	2	0	Fall Through Year 2					49
615	13800	10	SCENIC CT	SAGE AV	CDS	Local	ACP	691	3,070	5	0	Fall Through Year 5					69
482	14100	10	SH FRONTAGE RD	FIRESTONE BD	WIDCH	Arterial	PCC	211	1,831	5+	0	Not Selected					89
483	14100	20	SH FRONTAGE RD	WIDTH OF SURFACE CHANGE	UNION ST	Arterial	PCC	584	4,674	5+	0	Not Selected					78
484	14100	30	SH FRONTAGE RD	UNION ST	BUSINESS PARK CI	Arterial	PCC	462	3,700	5+	0	Not Selected					85
485	14100	40	SH FRONTAGE RD	BUSINESS PARK CI	BUSINESS PARK CI	Arterial	PCC	1,090	7,145	5+	0	Not Selected					88
486	14100	50	SH FRONTAGE RD	BUSINESS PARK CI	ROAD 24.50	Arterial	PCC	592	2,896	5+	0	Not Selected					91
487	14200	10	SHENANDOAH AV	SILVERLEAF AV	CUL DE SAC	Local	ACP	344	1,607	2	0	Fall Through Year 2					51
488	14300	10	SHENANDOAH AV	CHERRYVALE ST	COAL MINE ST	Local	ACP	495	2,036	1	0	Fall Through Year 1					74
489	14300	20	SHENANDOAH AV	COAL MINE ST	SCENIC AV	Local	ACP	480	1,761	1	0	Fall Through Year 1					76
490	14400	10	SHENANDOAH AV	DEVONSHIRE ST	DOGWOOD ST	Collector	ACP	245	898	1	0	Fall Through Year 1					43
491	14400	20	SHENANDOAH AV	DOGWOOD ST	DOVER ST	Collector	ACP	308	1,130	1	0	Fall Through Year 1					58
492	14400	30	SHENANDOAH AV	DOVER ST	DRESDEN ST	Collector	ACP	304	1,116	1	0	Fall Through Year 1					75
493	14400	40	SHENANDOAH AV	DRESDEN ST	DUSK ST	Collector	ACP	377.12	1,592	1	0	Fall Through Year 1					61
494	14400	50	SHENANDOAH AV	DUSK ST	ST VRAIN RANCH BD	Collector	ACP	191.24	786	1	0	Fall Through Year 1					63
495	14400	60	SHENANDOAH AV	ST VRAIN RANCH BD	EASTVIEW AV	Collector	ACP	427.49	1,567	2	2	Selected Year 2	20	Surface Treatment	3.09	4,800	86
496	14400	70	SHENANDOAH AV	EASTVIEW AV	ECHO CI	Collector	ACP	268	1,102	2	2	Selected Year 2	20	Surface Treatment	3.09	3,400	86
497	14400	80	SHENANDOAH AV	ECHO CI	ECHO CI	Collector	ACP	300	1,100	2	2	Selected Year 2	20	Surface Treatment	3.09	3,400	86
498	14400	90	SHENANDOAH AV	ECHO CI	SILVERLEAF AV	Collector	ACP	303	1,113	2	2	Selected Year 2	20	Surface Treatment	3.09	3,400	86
614	14400	100	SHENANDOAH AV	SILVERLEAF AV	FALCON ST	Collector	ACP	292	1,069	3	0	Fall Through Year 3					82
601	14400	110	SHENANDOAH AV	FALCON ST	FARMDALE ST	Collector	ACP	284	1,043	3	0	Fall Through Year 3					82
499	14400	120	SHENANDOAH AV	FARMDALE ST	FERNCREST ST	Collector	ACP	364	1,335	3	0	Fall Through Year 3					80
343	14400	130	SHENANDOAH AV	FERNCREST ST	SADDLEBACK AV	Collector	ACP	343	1,409	3	0	Fall Through Year 3					82
344	14400	140	SHENANDOAH AV	SADDLEBACK AV	FRONTIER ST	Collector	ACP	287	1,053	3	0	Fall Through Year 3					76
345	14500	10	SHERILYNN CI	GRANT AV	GRANT AV	Local	ACP	1,364	5,761	5	0	Fall Through Year 5					70
346	14700	10	SILVERLEAF AV	MONARCH DR	AUTUMN ST	Local	ACP	419	1,536	3	3	Selected Year 3	20	Surface Treatment	2.80	4,300	87
347	14700	20	SILVERLEAF AV	AUTUMN ST	BALD EAGLE ST	Local	ACP	352	1,290	3	3	Selected Year 3	20	Surface Treatment	2.80	3,600	87
348	14700	30	SILVERLEAF AV	BALD EAGLE ST	SHENANDOAH AV	Local	ACP	252	924	4	0	Fall Through Year 4					59
349	14700	40	SILVERLEAF AV	SHENANDOAH AV	BARRON ST	Local	ACP	248	1,047	4	0	Fall Through Year 4					59
350	14700	50	SILVERLEAF AV	BARRON ST	CDS	Local	ACP	193	900	4	0	Fall Through Year 4					53
351	14800	10	SILVERLEAF AV	CHERRYVALE ST	BOOTH DR	Local	ACP	402	1,472	2	0	Fall Through Year 2					53
594	14900	10	SILVERLEAF AV	SHENANDOAH AV	FALCON ST	Local	ACP	967	3,974	2	0	Fall Through Year 2					54
352	14900	20	SILVERLEAF AV	FALCON ST	FARMDALE ST	Local	ACP	290	1,064	2	0	Fall Through Year 2					55
353	14900	30	SILVERLEAF AV	FARMDALE ST	FERNCREST ST	Local	ACP	282	1,160	2	0	Fall Through Year 2					51
354	14900	40	SILVERLEAF AV	FERNCREST ST	FOXFIRE ST	Local	ACP	316	1,158	2	0	Fall Through Year 2					52
355	14600	10	SILVERLEAF CT	EASTVIEW AV	CDS	Local	ACP	170	908	3	0	Fall Through Year 3					55

Town of Firestone

\$640k Annual Budget Rehabilitation Program

5 Year Rehabilitation Program

GISID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Length (ft)	Pavement Area (yd2)	5 Year Rehabilitation Program							
										Need Year	Selected Rehab Year	Segment Rehab Results	Rehab Activity Code	Rehab Activity	Unit Rate (\$/yd2)	Segment Cost (\$)	5 Year Post Rehab PCI
356	15000	10	SNOWBERRY AV	CUL DE SAC	DAHLIA ST	Local	ACP	115	561	1	2	Selected Year 2	10	Slurry Seal	1.90	1,100	85
357	15000	20	SNOWBERRY AV	DAHLIA ST	DEVONSHIRE ST	Local	ACP	295	1,081	1	2	Selected Year 2	10	Slurry Seal	1.90	2,100	84
358	15000	30	SNOWBERRY AV	DEVONSHIRE ST	SPARROW CI	Local	ACP	272	997	4	0	Fall Through Year 4					53
359	15000	40	SNOWBERRY AV	SPARROW CI	SPARROW CI	Local	ACP	480	1,758	4	0	Fall Through Year 4					57
360	15000	50	SNOWBERRY AV	SPARROW CI	NMCHG	Local	ACP	264	968	4	0	Fall Through Year 4					58
361	15100	10	SPARROW AV	BLUEGRASS ST	BOUNTIFUL ST	Local	ACP	301	1,103	4	0	Fall Through Year 4					83
362	15200	10	SPARROW AV	BOOTH DR	COAL RIDGE ST	Local	ACP	690	2,913	3	0	Fall Through Year 3					54
363	15200	20	SPARROW AV	COAL RIDGE ST	BOOTH DR	Local	ACP	436	1,842	3	0	Fall Through Year 3					56
364	15300	10	SPARROW AV	DEERFIELD ST	CUL DE SAC	Local	ACP	120	560	2	2	Selected Year 2	20	Surface Treatment	2.80	1,600	86
365	15300	20	SPARROW AV	DEVONSHIRE ST	DEERFIELD ST	Local	ACP	250	917	2	2	Selected Year 2	20	Surface Treatment	2.80	2,600	86
366	15400	10	SPARROW AV	DRESDEN ST	ST VRAIN RANCH BD	Local	ACP	355	1,301	3	3	Selected Year 3	20	Surface Treatment	2.80	3,600	87
367	15500	10	SPARROW CI	SNOWBERRY AV	SNOWBERRY AV	Local	ACP	871	3,193	5	0	Fall Through Year 5					48
500	15600	10	ST VRAIN RANCH BD	SABLE AV	LNCHG	Collector	ACP	106	516	1	0	Fall Through Year 1					54
603	15600	20	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	LNCHG	Collector	ACP	88	322	1	0	Fall Through Year 1					68
501	15600	30	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	SADDLEBACK AV	Collector	ACP	81	394	1	0	Fall Through Year 1					42
502	15600	40	ST VRAIN RANCH BD	SADDLEBACK AV	LNCHG	Collector	ACP	158	687	1	0	Fall Through Year 1					44
581	15600	50	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	LNCHG	Collector	ACP	53	182	1	0	Fall Through Year 1					57
503	15600	60	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	SAGE AV	Collector	ACP	161	715	1	0	Fall Through Year 1					78
504	15600	70	ST VRAIN RANCH BD	SAGE AV	LNCHG	Collector	ACP	211	939	1	0	Fall Through Year 1					62
505	15600	80	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	LNCHG	Collector	ACP	423	1,549	1	0	Fall Through Year 1					49
506	15600	90	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	SHENANDOAH AV	Collector	ACP	220	1,076	1	0	Fall Through Year 1					76
507	15600	100	ST VRAIN RANCH BD	SHENANDOAH AV	LNCHG	Collector	ACP	158	775	5	0	Fall Through Year 5					76
508	15600	110	ST VRAIN RANCH BD	CHANGE IN OF THRU LANES	EASTVIEW AV	Collector	ACP	111	383	5	0	Fall Through Year 5					63
509	15600	120	ST VRAIN RANCH BD	EASTVIEW AV	SPARROW AV	Collector	ACP	485	2,157	5	0	Fall Through Year 5					66
510	15600	130	ST VRAIN RANCH BD	SPARROW AV	FALCON ST	Collector	ACP	1,454	7,918	5	0	Fall Through Year 5					54
511	15600	140	ST VRAIN RANCH BD	FALCON ST	QUIGLEY CI	Collector	ACP	540	2,880	5	0	Fall Through Year 5					58
512	15600	150	ST VRAIN RANCH BD	QUIGLEY CI	FOXFIRE ST	Collector	ACP	688	3,363	5	0	Fall Through Year 5					67
513	15600	160	ST VRAIN RANCH BD	FOXFIRE ST	FRONTIER ST	Collector	ACP	302	1,476	5	0	Fall Through Year 5					41
368	15700	10	STAGECOACH AV	BOOTH DR	SUMMERSET AV	Local	ACP	872	3,196	5	0	Fall Through Year 5					58
369	15700	20	STAGECOACH AV	SUMMERSET AV	BOOTH DR	Local	ACP	353	1,294	5	0	Fall Through Year 5					60
370	15800	10	STAGECOACH AV	DEVONSHIRE ST	TAYLOR AV	Local	ACP	309	1,132	3	3	Selected Year 3	20	Surface Treatment	2.80	3,200	87
371	15800	20	STAGECOACH AV	TAYLOR AV	SUNBURST AV	Local	ACP	271	995	3	3	Selected Year 3	20	Surface Treatment	2.80	2,800	87
372	15800	30	STAGECOACH AV	SUNBURST AV	DRESDEN ST	Local	ACP	240	880	3	3	Selected Year 3	20	Surface Treatment	2.80	2,500	87
373	15800	40	STAGECOACH AV	DRESDEN ST	ECHO ST	Local	ACP	648	2,377	4	0	Fall Through Year 4					69
374	15800	50	STAGECOACH AV	ECHO ST	FALCON ST	Local	ACP	1,173	4,302	4	0	Fall Through Year 4					50
514	15900	10	SUMMERSET AV	BOOTH DR	STAGECOACH AV	Local	ACP	686	2,517	4	0	Fall Through Year 4					68
100515	16000	5	SUMMERSET AV	CDS	QUIGLEY CI	Local	ACP	85	473	3	0	Fall Through Year 3					60
515	16000	10	SUMMERSET AV	QUIGLEY CI	FOXFIRE ST	Local	ACP	1,574	6,472	3	0	Fall Through Year 3					51
516	16000	20	SUMMERSET AV	FOXFIRE ST	FRONTIER ST	Local	ACP	350	1,283	3	0	Fall Through Year 3					64
517	16100	10	SUNBURST AV	BEGIN	CIMARRON ST	Local	ACP	146	536	4	0	Fall Through Year 4					72
518	16100	20	SUNBURST AV	CIMARRON ST	BOOTH DR	Local	ACP	423	1,549	4	0	Fall Through Year 4					52
519	16200	10	SUNBURST AV	STAGECOACH AV	DRESDEN ST	Local	ACP	644	2,361	1	2	Selected Year 2	20	Surface Treatment	2.80	6,600	86

Town of Firestone

\$640k Annual Budget Rehabilitation Program

5 Year Rehabilitation Program

GISID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Length (ft)	Pavement Area (yd2)	Need Year	Selected Rehab Year	Segment Rehab Results	Rehab Activity Code	Rehab Activity	Unit Rate (\$/yd2)	Segment Cost (\$)	5 Year Post Rehab PCI
520	16200	20	SUNBURST AV	DRESDEN ST	CDS	Local	ACP	150	700	1	2	Selected Year 2	20	Surface Treatment	2.80	2,000	87
616	16300	10	SUNBURST AV	THISTLE RIDGE AV	THISTLE RIDGE AV	Local	ACP	947	3,471	5	0	Fall Through Year 5					52
521	16300	20	SUNBURST AV	THISTLE RIDGE AV	TENDERFOOT AV	Local	ACP	273	1,002	5	0	Fall Through Year 5					51
522	16300	30	SUNBURST AV	TENDERFOOT AV	FARMDALE ST	Local	ACP	305	1,118	5	0	Fall Through Year 5					53
523	16300	40	SUNBURST AV	FARMDALE ST	FERNCREST ST	Local	ACP	273	1,002	5	0	Fall Through Year 5					51
524	16300	50	SUNBURST AV	FERNCREST ST	TENDERFOOT ST	Local	ACP	1,056	3,872	5	0	Fall Through Year 5					74
525	16400	10	TAYLOR AV	DEVONSHIRE ST	CUL DE SAC	Local	ACP	130	619	5+	0	Not Selected					76
526	16400	20	TAYLOR AV	STAGECOACH AV	DEVONSHIRE ST	Local	ACP	671	2,459	5+	0	Not Selected					73
527	16500	10	TAYLOR AV	THISTLE RIDGE AV	TENDERFOOT AV	Local	ACP	273	1,002	2	2	Selected Year 2	26	Surface Treatment + RR	3.05	3,100	87
528	16600	10	TENDERFOOT AV	COAL MINE ST	BOOTH DR	Local	ACP	722	2,646	3	0	Fall Through Year 3					55
529	16700	10	TENDERFOOT AV	SUNBURST AV	TAYLOR AV	Local	ACP	368	1,349	4	0	Fall Through Year 4					54
530	16700	20	TENDERFOOT AV	TAYLOR AV	FARMDALE ST	Local	ACP	616	2,531	4	0	Fall Through Year 4					54
531	16700	30	TENDERFOOT AV	FARMDALE ST	FERNCREST ST	Local	ACP	266	974	4	0	Fall Through Year 4					48
532	16700	40	TENDERFOOT AV	FERNCREST ST	SUNBURST AV	Local	ACP	308	1,129	4	0	Fall Through Year 4					80
533	16700	50	TENDERFOOT AV	SUNBURST AV	FRONTIER ST	Local	ACP	262	961	4	0	Fall Through Year 4					54
534	16800	10	THISTLE RIDGE AV	COAL MINE ST	CDS	Local	ACP	539	2,217	1	0	Fall Through Year 1					60
535	16900	10	THISTLE RIDGE AV	CUL DE SAC	EBONY ST	Local	ACP	594	2,442	3	3	Selected Year 3	43	Moderate Overlay + RR	17.75	43,300	91
605	16900	20	THISTLE RIDGE AV	EBONY ST	ECHO ST	Local	ACP	364	1,334	3	3	Selected Year 3	43	Moderate Overlay + RR	17.75	23,700	91
536	16900	30	THISTLE RIDGE AV	ECHO ST	ECHO ST	Local	ACP	173	635	4	0	Fall Through Year 4					42
537	16900	40	THISTLE RIDGE AV	ECHO ST	ELDRIDGE ST	Local	ACP	356	1,305	4	0	Fall Through Year 4					49
538	16900	50	THISTLE RIDGE AV	ELDRIDGE ST	SUNBURST AV	Local	ACP	238	978	4	0	Fall Through Year 4					34
539	16900	60	THISTLE RIDGE AV	SUNBURST AV	TAYLOR AV	Local	ACP	583	2,399	4	0	Fall Through Year 4					51
540	16900	70	THISTLE RIDGE AV	TAYLOR AV	SUNBURST AV	Local	ACP	368	1,349	4	0	Fall Through Year 4					43
609	17000	10	THUNDERHILL AV	EBONY ST	ECHO ST	Local	ACP	364	1,334	2	0	Fall Through Year 2					51
541	17100	10	TILBURY AV	EBONY ST	ECHO ST	Local	ACP	354	1,296	3	0	Fall Through Year 3					54
542	17200	10	TILBURY AV	ECHO ST	END	Local	ACP	478	2,816	5	0	Fall Through Year 5					69
543	17300	10	TRAILWAY AV	CENTER ST	CARBONDALE ST	Local	ACP	322	1,182	3	0	Fall Through Year 3					86
544	17300	20	TRAILWAY AV	CARBONDALE ST	CHARLES ST	Local	ACP	559	2,048	3	0	Fall Through Year 3					82
545	17300	30	TRAILWAY AV	CHARLES ST	CHERRYVALE ST	Local	ACP	279	1,021	3	0	Fall Through Year 3					80
546	17300	40	TRAILWAY AV	CHERRYVALE ST	CDS	Local	ACP	157	820	3	0	Fall Through Year 3					74
596	17400	10	TWILIGHT AV	CHERRYVALE ST	CIMARRON ST	Local	ACP	525	1,924	1	2	Selected Year 2	20	Surface Treatment	2.80	5,400	86
547	17400	20	TWILIGHT AV	CIMARRON ST	COAL MINE ST	Local	ACP	286	1,050	1	2	Selected Year 2	20	Surface Treatment	2.80	2,900	86
548	17400	30	TWILIGHT AV	COAL MINE ST	COAL RIDGE ST	Local	ACP	275	1,008	1	2	Selected Year 2	20	Surface Treatment	2.80	2,800	86
549	17400	40	TWILIGHT AV	COAL RIDGE ST	COLUMBINE ST	Local	ACP	280	1,181	1	2	Selected Year 2	20	Surface Treatment	2.80	3,300	86
550	17500	10	TWILIGHT AV	CDS	OAK MEADOWS BD	Local	ACP	342	1,672	1	0	Fall Through Year 1					71
551	17500	20	TWILIGHT AV	OAK MEADOWS BD	DOVER ST	Local	ACP	233	853	1	0	Fall Through Year 1					76
607	17500	30	TWILIGHT AV	DOVER ST	CDS	Local	ACP	233	856	1	0	Fall Through Year 1					82
552	17600	10	ULYSSES AV	CDS	DEERFIELD DR	Local	ACP	239	1,141	4	0	Fall Through Year 4					59
553	17600	20	ULYSSES AV	DEERFIELD DR	CDS	Local	ACP	246	1,230	4	0	Fall Through Year 4					56
623	17700	10	UNION AV	DOVER ST	EBONY ST	Local	ACP	1,127	4,132	5+	0	Not Selected					71
554	17700	20	UNION AV	EBONY ST	CDS	Local	ACP	407	1,807	5+	0	Not Selected					76
555	17900	10	UNION CT	CDS	DOVER ST	Local	ACP	151	786	3	3	Selected Year 3	20	Surface Treatment	2.80	2,200	87

Town of Firestone

\$640k Annual Budget Rehabilitation Program

5 Year Rehabilitation Program

GISID	Street Number	Block Number	On Street	From Street	To Street	FunCL	Pavetype	Pavement Length (ft)	Pavement Area (yd2)	Need Year	Selected Rehab Year	Segment Rehab Results	Rehab Activity Code	Rehab Activity	Unit Rate (\$/yd2)	Segment Cost (\$)	5 Year Post Rehab PCI
556	16800	10	UNION ST	I-25 FRONTAGE RD	END	Local	PCC	337	1,499	5	0	Fall Through Year 5					70
557	18000	10	UTICA AV	DOVER ST	EBONY ST	Local	ACP	1,152	4,734	2	2	Selected Year 2	20	Surface Treatment	2.80	13,300	86
558	18100	10	UTICA CT	CDS	DOVER ST	Local	ACP	415	1,800	3	3	Selected Year 3	20	Surface Treatment	2.80	5,000	87
559	18200	10	VALLEY VISTA AV	DAISY ST	DEERFIELD DR	Local	ACP	263	963	2	2	Selected Year 2	20	Surface Treatment	2.80	2,700	87
560	18200	20	VALLEY VISTA AV	DEERFIELD DR	DOVER ST	Local	ACP	696	2,861	2	2	Selected Year 2	20	Surface Treatment	2.80	8,000	86
561	18200	30	VALLEY VISTA AV	DOVER ST	DEERFIELD DR	Local	ACP	526	2,164	2	2	Selected Year 2	20	Surface Treatment	2.80	6,100	86
562	18200	40	VALLEY VISTA AV	DEERFIELD DR	EBONY ST	Local	ACP	631	2,314	2	2	Selected Year 2	20	Surface Treatment	2.80	6,500	86
563	18300	10	VENICE AV	NAPLES ST	1ST ST	Local	ACP	267	978	4	0	Fall Through Year 4					82
564	18400	10	VIEWPOINT AV	DAISY ST	DEERFIELD DR	Local	ACP	254	932	5+	0	Not Selected					63
565	18400	20	VIEWPOINT AV	DEERFIELD DR	DOVER ST	Local	ACP	561	2,056	5+	0	Not Selected					71
584	18400	30	VIEWPOINT AV	DOVER ST	DEERFIELD DR	Local	ACP	570	2,088	5+	0	Not Selected					70
566	18400	40	VIEWPOINT AV	DEERFIELD DR	EBONY ST	Local	ACP	593	2,174	5+	0	Not Selected					75
337	18500	10	WCR 3.5	SH 119	URBDRY	Arterial	ACP	2,457	6,551	1	1	Selected Year 1	20	Surface Treatment	3.70	24,300	84
567	18600	10	WOOSTER AV	1ST ST	2ND ST	Local	ACP	560	2,241	1	0	Fall Through Year 1					46
568	18600	20	WOOSTER AV	2ND ST	3RD ST	Local	ACP	548	2,191	1	0	Fall Through Year 1					44
569	18600	30	WOOSTER AV	3RD ST	4TH ST	Local	ACP	570	2,281	1	0	Fall Through Year 1					33
570	18700	10	WOOSTER DR	ALLEY	1ST ST	Local	ACP	640	2,772	5	0	Fall Through Year 5					24
571	18800	20	ZINNIA AV	CR 5	CR 5.5	Arterial	ACP	2,007	8,029	4	0	Fall Through Year 4					34
573	18800	20	ZINNIA AV	CR 5.5	CITY LIMITS	Arterial	ACP	2,866	9,552	4	0	Fall Through Year 4					74
574	18900	10	ZINNIA AV	COLORADO BD	CR 15	Local	ACP	5,167	16,649	5	0	Fall Through Year 5					70

Quotation for Professional Services



To: Theo Abkes, Public Works Director

Date: August 15, 2018

From: Zac Thomason, M.B.A.
National Manager of Client Services

Project: Firestone, Colorado

Subject: 2018 Pavement Management Services

Project No:

Thank you for taking the time to review the pavement data collection services offered by IMS Infrastructure Management Services. IMS excels in pavement and asset management solutions and can provide a full suite of data collection and software implementation services.

As we understand, the City maintains approximately 70 centerline miles of roadway currently operated by the IMS Easy Street Analysis (ESA) interactive spreadsheet. The Laser Road Surface Tester (RST) conducts two passes on the major roadways (arterials and collectors) and a single pass on the residential roadways, resulting in approximately 94 miles to be surveyed.

The data will be collected following the industry standard ASTM D6433 data collection protocols and longitudinal profile will be reported as the International Roughness Index (IRI). The IMS scope of services includes the acquisition of objective surface condition data network wide, HD digital imagery, pavement analysis modeling, an update of the Easy



Street Analysis (ESA) spreadsheet, and development of a comprehensive 5-year rehabilitation plan that maximizes City resources through the use of cost benefit practices.

Our approach, and key service differentiator, is based on three, time proven fundamentals:

Answer the questions that are being asked – don't over-engineer the system or make it needlessly complicated. Databases and the application of technology are meant to simplify asset management, not make it more difficult.

Service and quality are paramount to success – the right blend of technically correct data, condition rating, and reporting will provide the agency with a long-term, stable solution. Service to the Client remains our top priority.

Local control and communications are key – it is important that all stakeholders understand the impacts of their decisions and have the system outputs react accordingly. We excel in making ourselves readily available.

Performing Objective ASTM D6433 Data Collection

The IMS fleet of pavement performance equipment includes four Laser Road Surface Testers, two Dynaflect Devices, and two Sidewalk Surface Testers. For this survey, we propose to use our Laser Road Surface Tester (RST) enhanced with HD digital imagery and GPS capabilities.



The RST, with its Laser Camera Array (LCA) is capable of collecting a full array of pavement condition data complete with high accuracy GPS coordinates and multiple view digital imagery for both rigid and flexible pavements (in real time), as it traverses the roadway. An integrated Digital Direct Condition Rating System (DDCRS) supplements the RST data for additional ASTM D6433 distress data elements, quality assurance, and inventory information. Specialized data processing, using GIS as its backbone, allows the pavement data to be quickly checked for completeness and quality.

The main components of the enhanced RST are:

- A transducer bar with an array of 11 laser cameras, rate gyroscopes, inclinometers, and accelerometers to measure pavement roughness, rutting, cracking, and geometrics.
- DDCRS that may be customized to collect a variety of roadway attributes and extent-severity based pavement distresses.
- Ability to collect dual wheel path roughness to International Roughness Index (IRI) standards.
- Up to 7 digital video cameras for forward, pavement, side and rear right-of-way images for QA/QC, virtual drive deliverables, and right-of-way asset extraction.
- High accuracy Global Positioning System (GPS) receiver with inertial navigation.
- Dual distance measuring instruments to measure linear distances to within +/- 0.5%.

Laser Camera Array (LCA)

The **LCA** is an ASTM device capable of collecting automated pavement condition data. The LCA is comprised of gyroscopes, accelerometers and 11 high speed lasers configured to capture roughness data to International Roughness Index (IRI) standards and wheel path rutting measurements. *Our 11-sensor configuration provides greater precision and repeatability of profile data over traditional five sensor configurations because it reduces the impact of vehicle wander in the driving lane.*



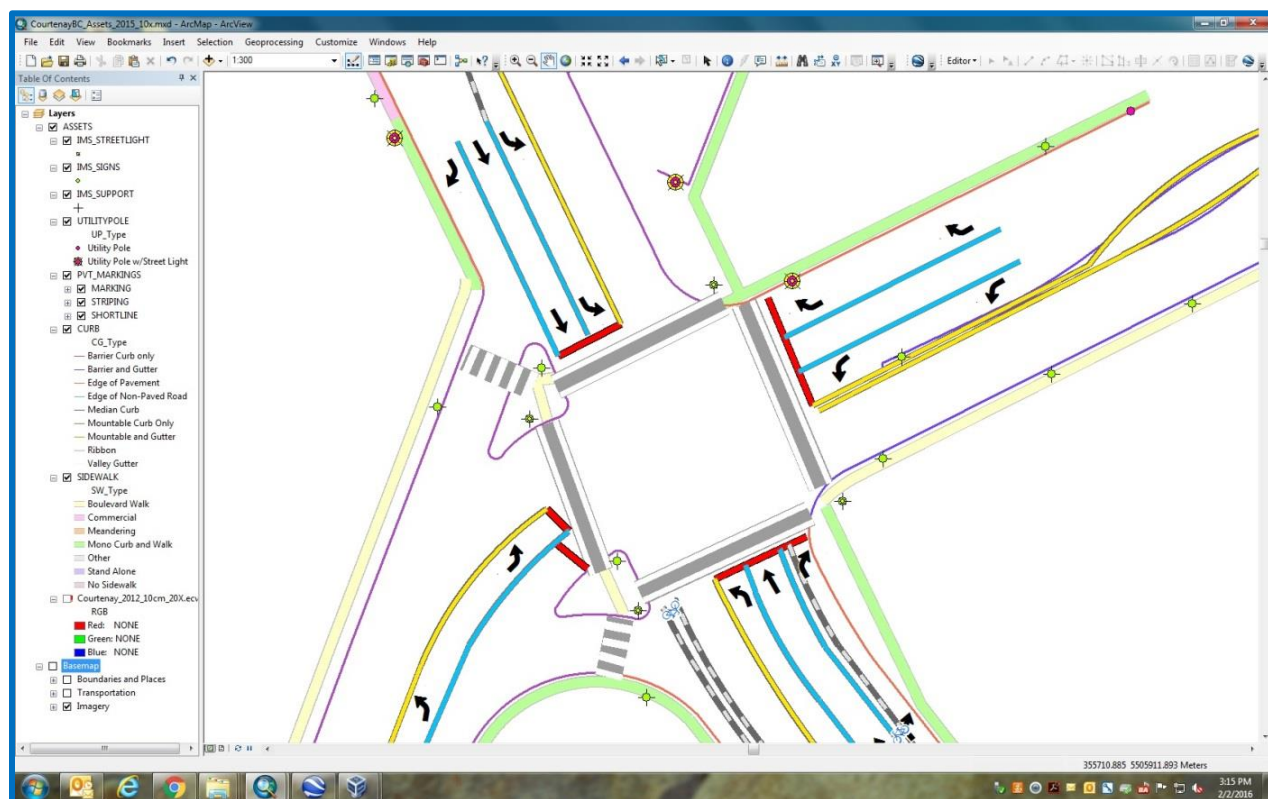
The LCA automatically collects transverse cracking, block cracking, alligator cracking, distortions and texture. The laser camera technology automatically detects cracks and minute variances in the pavement surface. Thus, the LCA greatly diminishes the subjective nature of pavement condition data collection performed by "windshield" and image based field surveys.

Right of Way Asset Inventory Development

The IMS Laser RST uses high-end GPS coordinate data and HD digital cameras positioned so that all assets/attributes requiring data capture are visible with the front, side, and rear cameras. For Firestone, IMS can collect information for traffic signs and supports. Additional services that can be added include: street lights, sidewalks, ADA ramps, curb & gutter/ditches, pavement markings, signals, and many other ROW assets. *ROW asset inventories are supplemented with air photos and GIS to ensure positional accuracy.* The IMS technology is an open architecture system that allows virtually any type of asset to be defined for collection of location, attribute, and condition data. Once an asset is observed, the operator toggles to the individual record input screen and proceeds to input the appropriate attribute and associated information. Wherever possible, “pick lists” are employed to streamline the data entry function and provide uniform, high quality data. IMS confirms the feature attributes to be collected with the client prior to data collection.

The images and GPS data are merged on a frame-by-frame basis. The images are then post-processed using a specialty piece of GIS and image viewing software. Using RST imagery, the existing centerline GIS, and aerial photography, IMS spatially plots each right-of-way asset in its real world location.

Prior to commencing the optional ROW asset inventories, a document called the **Master Asset List** (MAL) will be developed, using each applicable exhibit as a starting point. The MAL defines what assets or inventory items are to be logged and what attributes will be extracted. The MAL also defines the methodology for condition rating each asset. The image below depicts an IMS asset inventory of sidewalks, ADA ramps, pavement striping and markings, traffic signs, and crosswalks.



IMS PAVEMENT ANALYSIS & MULTI-YEAR REPORT

Immediately following the completion of the field survey's IMS will begin processing the pavement distress severity and extent scores in an effort to develop a Pavement Condition Index (PCI) for each roadway segment. The condition results are analyzed by a team of IMS engineers, who then develop the City of Firestone's 5-year pavement management plan. This section provides a brief summary of the functionality of the IMS pavement analysis in order to emphasize our implementation expertise as well as the abilities and constraints within a pavement analysis.

The purpose of pavement management is to produce cost effective maintenance programs that maximize available resources and roadway life. By incorporating key components of a cost benefit analysis into the analysis operating parameters, we can develop a game plan that is optimized to meet the needs of the City of Firestone. The IMS pavement analysis will utilize Priority Weighting Factors (functional class, pavement type, strength, & districts) and will be optimized through the use of "cost of deferral" in the selection of rehabilitation candidate selections.

Field Inspection Data and Pavement Condition Index (PCI)

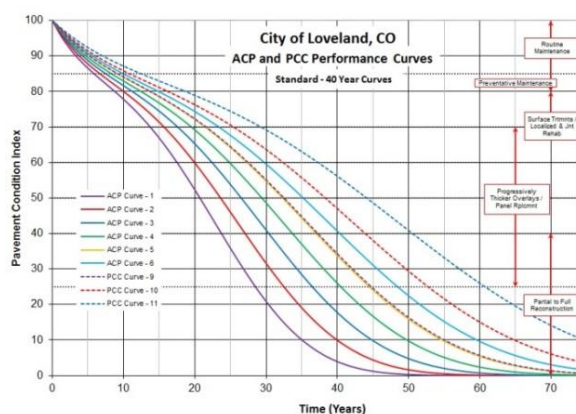
The IMS analysis allows you to store information regarding your pavements, including surface types, number of lanes, patching estimates, cross slopes, and sidewalk & curb types with replacement estimates. Pavement condition data including surface distress, roughness, and deflection results can be stored and analyzed. Using an in-house Pavement Manager Setup module, we can develop customized condition elements, distress types (load & non-load), Indices (SDI, RI, & SI), weightings, and overall PCI calculations.

In addition to the yearly programs, the net impact each budget scenario has on the expected condition of the road network over time can be determined. This budget impact can be illustrated both in terms of the yearly increase or decrease in the average network PCI score, PCI distribution, or % Backlog of roads that were not selected by the budgets. IMS converts the difficult to understand FHWA and ASTM D6433 data to a 0-10 distress rating scale with distress weighted factors (DWF), where $DWF = \{\text{Area under D6433 deduct curves}/3000\}$.

Modeling and Performance Curves

With an IMS analysis, you can forecast various budget scenarios to help you determine your ideal maintenance and rehabilitation schedule. The IMS approach will help you decide what rehab activities should be performed, when and where to perform them, and an ideal budget for your system to maintain it at a specific level of service.

IMS engineers use pavement deterioration models that can be customized to reflect the climatic conditions and structural characteristics of the City of Firestone's road network. As a result, performance curves can be developed on factors such as functional class, pavement type, and sub-grade strength.

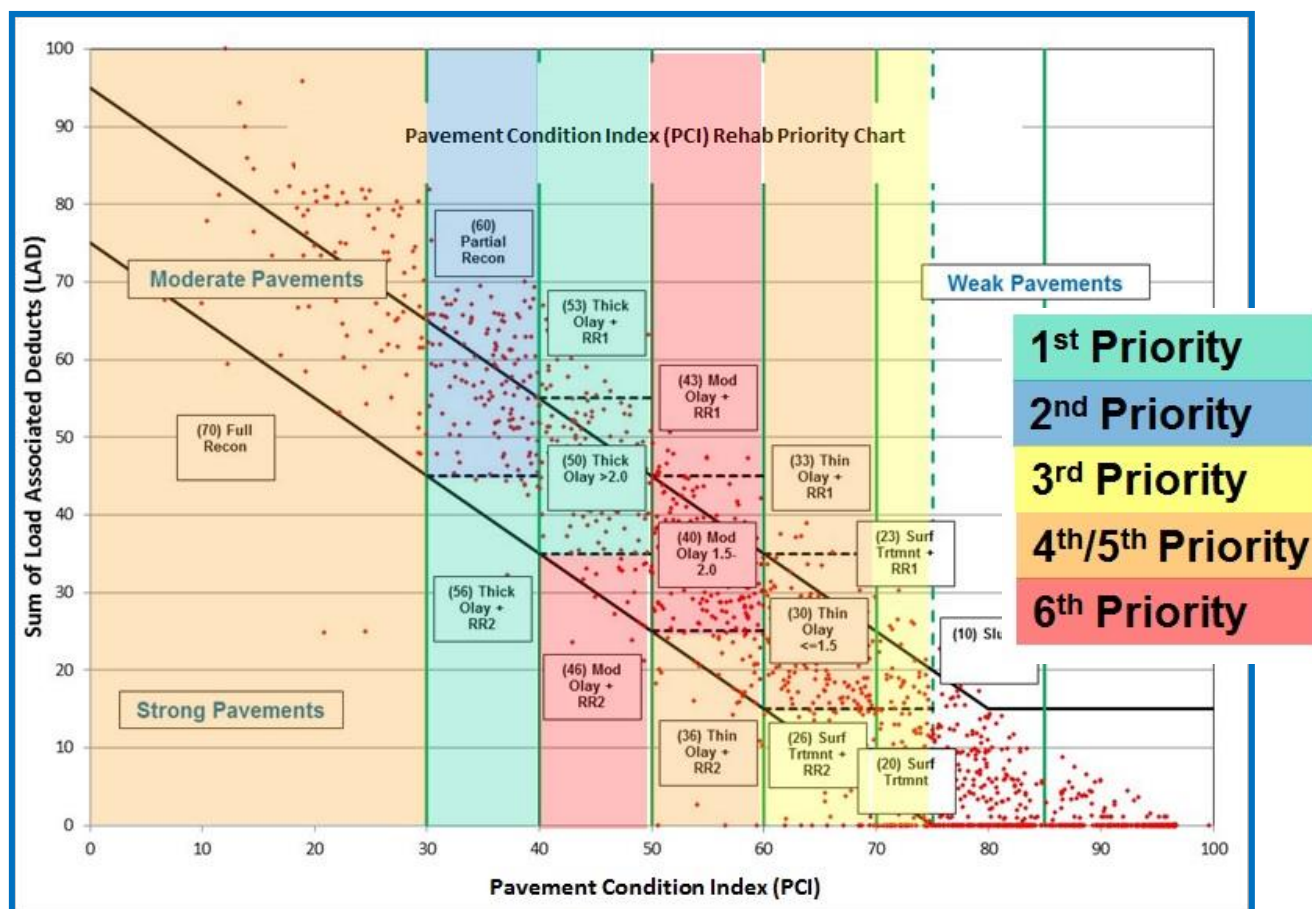


Rehabilitation Candidate Selection

One of the most important aspects of the IMS approach is determining the 'set points' or thresholds of the performance curves and rehabilitation candidate selection constraints. In general, these set points determine what type of treatment will be selected given the current or predicted condition of a road segment over time.

For example, the scatter plot displayed below illustrates a potential rehab selection process that may be incorporated for Firestone. Each dot represents the outcome of a pavement condition assessment on each segment in the road network. The X-axis is the pavement condition score while the Y-axis is the Sum of Load Associated Distress Deducts (can also be developed using structural condition from a Dynaflect or FWD). The boundaries created by the intersection of the vertical green lines and horizontal dashed black lines represent the potential rehabilitation strategy for those given conditions. Each maintenance and rehabilitation strategy is programmed to take place in the most optimal year for each roadway segment.

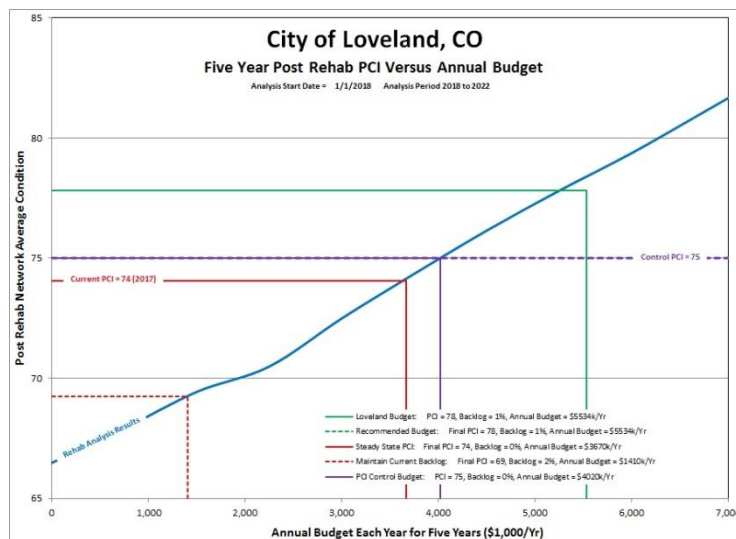
The color bands are also an effective way of illustrating the activity priorities through an analysis that takes into account critical PCI drops, also known as "cost of deferral." The IMS analysis specifically targets "critical segments", which is defined as segments that will drop into a more expensive treatment category if they are not selected now. By presenting the rehab strategies in a visual format such as this, the user, City staff, management, and Councils can easily understand, follow and potentially modify the results with confidence.



Rehabilitation Analysis

An unlimited number of pavement maintenance and rehabilitation strategies can be defined within our system. An analysis is then run, incorporating the performance curves, set points, filter criteria and rehab alternatives to identify the overall need in terms of rehab strategies and costs for the City's road network, for today as well as year on year for the next 5 years.

The IMS approach allows you to input any number of "what if" budget scenarios and produce prioritized yearly rehab programs based on those funding levels over a 5-year analysis period. Typical budget scenarios include Budget \$/Year, Unlimited Budget \$, "Do Nothing" Budget, and a Target PCI Budget.



What is included in an IMS analysis & report?

- *Roadway ownership and inventory/attribute report*
- *Present condition ranking* – detailed and summary condition data including; Good/Fair/Poor, Load Associated Distresses (LAD), Non-LAD, and Project reviews of each street in the network, as well as the network as a whole.
- *Fix all budget analysis* – this identifies the upper limit of spending by rehabilitating all streets assuming unlimited funding.
- *Do nothing analysis* – this identifies the effects of not performing roadway rehabilitation projects.
- *Steady state rehabilitation life cycle analysis* – this identifies the minimum amount of rehabilitation that must be completed in order to maintain the existing level of service over 3, 5, or 10 years.
- *PCI & funding levels* – what funding will be necessary to maintain a PCI of 65, 70, & 75.
- *Plus or minus 50% and other additional runs* – additional budget runs are completed at rates of +50% and -50% of the suggested steady state analysis. Up to 10 budget scenarios will be run.
- *Integration of capital projects and Master Plans* – ongoing and proposed projects that affect roadway rehabilitation planning will be incorporated into the analysis.
- *Draft 5-year rehabilitation and prioritized paving plans* – based on need, available budget and level of service constraints; a minimum of three budget runs will be completed.
- *Final prioritized paving plan* – incorporating feedback from stakeholder departments and utilities, complete with budget and level of service constraints.

City of Firestone, Colorado Pavement Management Update

The spreadsheet also allows an agency to re-fresh the 5-year plan by entering the maintenance and rehabilitation work completed. As seen in the image below, the spreadsheet is supplemented with “PCI Override” functionality. When work is completed on a particular segment, the user simply inserts the override PCI value along with a date. The spreadsheet then removes the segment from the 5-year plan and updates all referenced network PCI averages.

Pavement Condition Summary

Today: 3/30/2015								
Current Network PCI: 74								
Surface Distress Index (SDI)	Roughness Index (RI)	Pavement Condition Index (PCI)	PCI Survey Date	Strength Rating	Condition Rating	Load Associated Deducts (LADD)	Non-Load Associated Deducts (NLAD)	Current PCI
74	53	67	6/1/2014	MOD	Good	0	0	66
55	63	57	6/1/2014	MOD	Fair	27	18	55
70	63	68	6/1/2014	MOD	Good	19	10	66

Other features of the IMS Easy Street Analysis spreadsheet are as follows:

- Red triangle tips that trigger a dialogue box explaining cell contents.
- Ability to add new road segments and attributes on the fly.
- Modifiable distress indices for City field inspections.
- Input work completed and override segment level PCI scores.
- Prioritize by neighborhoods, zones, or districts.
- Ability to modify project lengths – includes aggregating and splits.
- Commit projects and force “Must Do’s” or “Must Never Do”.
- Program varying annual budgets over a 5-year horizon.
- Commit a percentage of the budget to surface treatments if desired.
- Automated rehab plan prioritization and optimization.
- Macros that automatically sort and filter simple rehab and inventory lists.
- Ability to sync the spreadsheet with the Data Viewer through a .CSV file export.

While the spreadsheet is not meant to replace pavement management systems, it is an alternative for agencies that do not have the resources or staff to maintain a dedicated application. If a dedicated system is still desired, IMS assess other alternatives if the application is not meeting the needs of City staff.

City of Firestone, Colorado
Pavement Management Update

Proposed Budget

The detailed budget presented below is based on the IMS work plan and deliverables. It represents a realistic budget to complete the work, and we are confident we can maintain an on-time, on-budget approach to the assignment.

Firestone, Colorado Quote 2018

Task	Activity	Quant	Units	Unit Rate	Total
Project Initiation					
1	Project Initiation	1	LS	\$3,500.00	\$3,500.00
2	Network Referencing, Validation, & GIS Linkage	94	T-Mi	\$30.00	\$2,820.00
Field Surveys					
3	RST Mobilization/Calibration	1	LS	\$3,500.00	\$3,500.00
4	RST Field Data Collection - Pavements	94	T-Mi	\$110.00	\$10,340.00
5	Right-of-Way Asset Data Collection (GPS & ROW Imagery)	94	T-Mi	\$30.00	\$2,820.00
Data Management					
6	Data QA/QC, Processing, Format, & Supply (Excel; Shapefile; KML)	94	T-Mi	\$25.00	\$2,350.00
7	Pavement Condition Data Load	1	LS	\$2,500.00	\$2,500.00
8	Signs & Support Database	94	T-Mi	\$100.00	\$9,400.00
9	Pavement Analysis, Budget Development, & Report	1	LS	\$8,000.00	\$8,000.00
10	Project Management	1	LS	\$3,393.00	\$3,393.00

Project Total:	\$48,623.00
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Supplemental Activities:

11	Dynalect Mobilization	1	LS	\$2,500.00	\$2,500.00
12	Deflection Testing (Major Roadways)	48	T-Mi	\$175.00	\$8,470.00
13	Council Presentation	1	LS	\$3,500.00	\$3,500.00
14	Web Hosted Digital Image Viewer	1	LS	\$7,000.00	\$7,000.00
15	Provision of Digital Images at 25-foot Intervals (Per View)	94	T-Mi	\$20.00	\$1,880.00
16	Additional Right-of-Way Asset Data Collection (GPS & ROW Imagery)				
	a. ADA Ramp & Obstructions Database	94	T-Mi	\$60.00	\$5,640.00
	b. Street Lights Database	94	T-Mi	\$50.00	\$4,700.00
	c. Sidewalk & Obstructions Database	94	T-Mi	\$50.00	\$4,700.00
	d. Curb & Gutter Database	94	T-Mi	\$50.00	\$4,700.00
17	GIS Clean Up	12	HR	\$175.00	\$2,100.00
18	Functional Classification Review	94	T-Mi	\$15.00	\$1,410.00
19	Additional Report	1	EA	\$200.00	\$200.00
20	Additional Meeting	1	EA	\$3,500.00	\$3,500.00

Thank you for considering IMS as a viable solution to your pavement management needs and we will strive to become an asset and extension of the Firestone staff and team. If any questions arise please do not hesitate to contact me at (480) 839-4347 or zthomason@ims-rst.com.

Regards,

IMS Infrastructure Management Services



Zac Thomason, M.B.A.
National Manager of Client Services