



Pavements

Traffic
Control

Sidewalks

Street
Lights

Traffic
Signals

Structures

Verge

Fleet

PAVEMENT MAINTENANCE PROGRAM

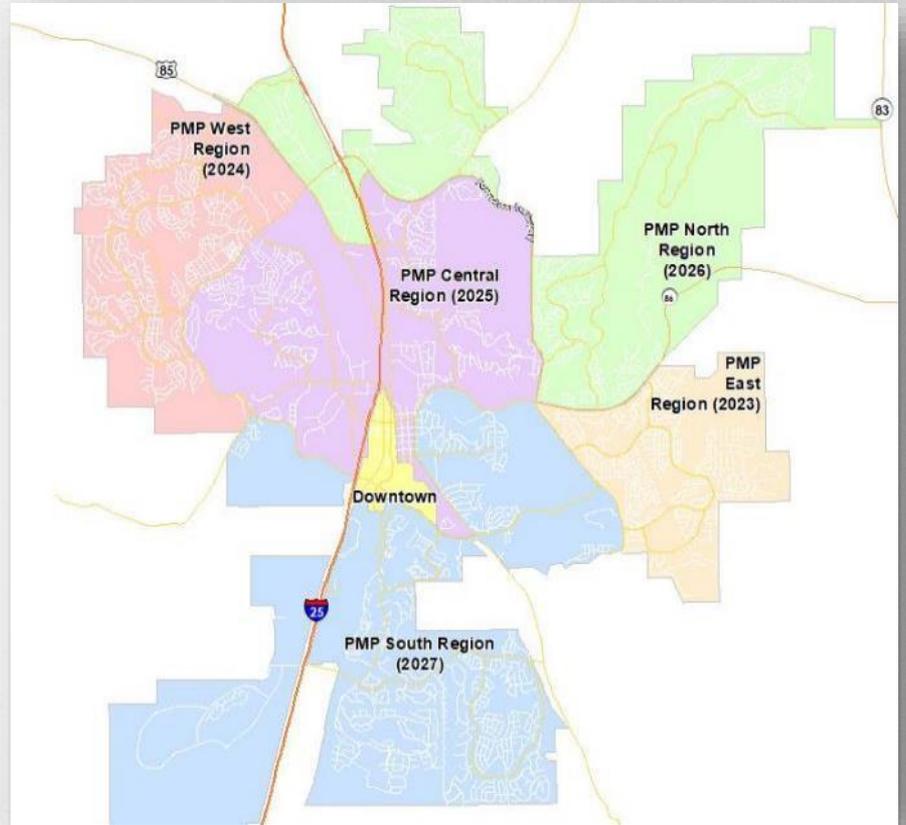
MARCH 21, 2022



PMP APPROACH

Primary St's. &
Downtown (any year)

Residential streets
(5-yr rotation)



Slurry Seal Project



Slurry Seal - Asphalt Patching and Crack Sealing



Asphalt Mill and Overlay



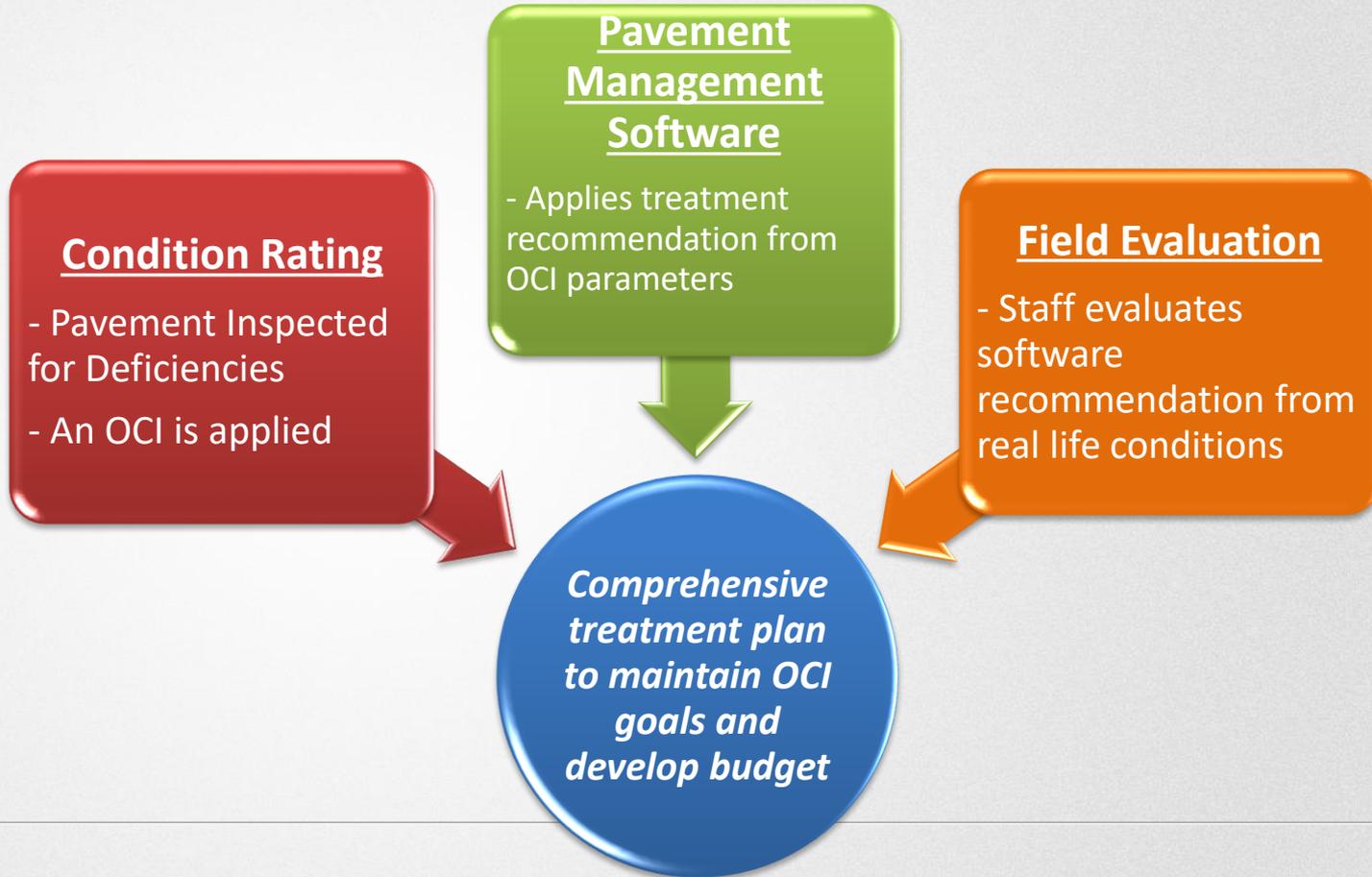
Reconstruction/ Full Depth Reclamation (FDR)



Curb, Gutter & Sidewalk Replacement

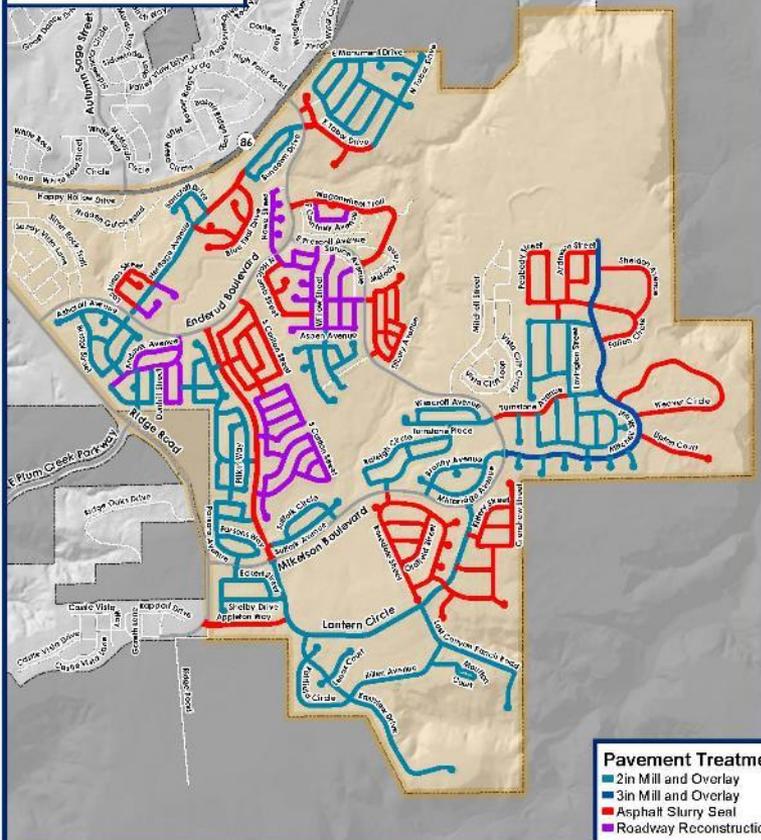


How is Roadway Maintenance Determined?

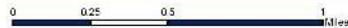
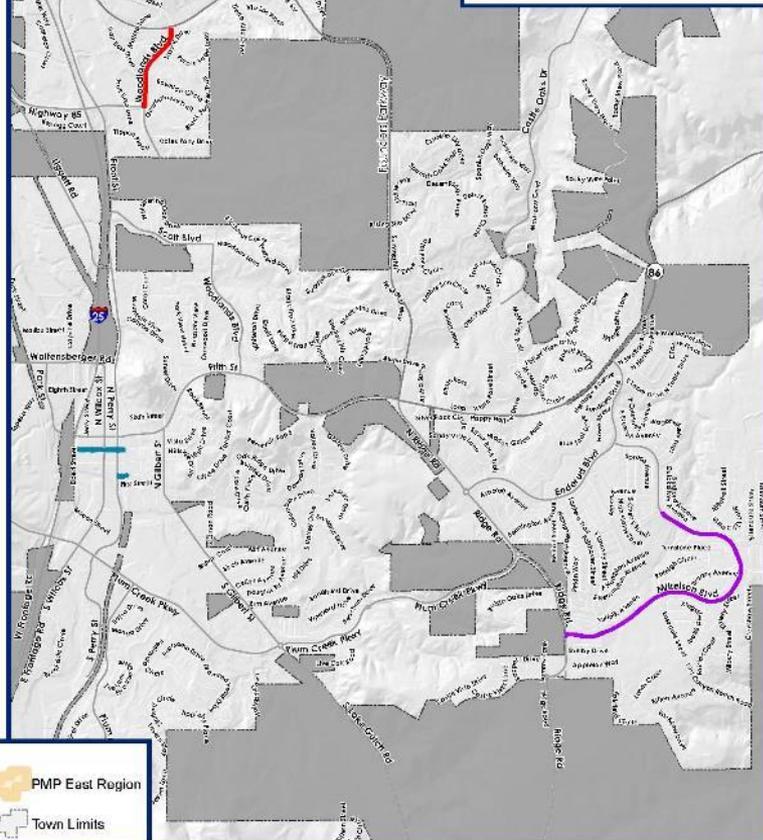


2023 PAVEMENT MAINTENANCE PROGRAM (PMP) TREATMENT PLAN

PMP East Region



PMP Primary/Downtown



Legend: The map contains information that may change frequently without notice. The City of Cairn Rock is not responsible for errors or for any consequences arising from the use of the information. This map is provided as a service to the community and does not constitute a contract. The City of Cairn Rock is not responsible for any damages or losses resulting from the use of this map. © 2023 City of Cairn Rock. All rights reserved.



2023 PMP COST SUMMARY

FUNDING SOURCE; TRANSPORTATION OPERATIONS AND MAINTENANCE BUDGET

❖ PMP Total Budget	\$18,500,000
❖ PMP Bid Amounts	(\$16,584,128)
❖ PMP Contingency	(\$1,658,414)
❖ Misc. Concrete	(\$257,458)
<hr/>	
❖ PMP Program Remaining Amount	\$0.00

PMP SCHEDULE

- ❖ Award of Contracts in March
- ❖ Open House for East PMP Region, March 23
- ❖ Downtown Coordination with the DDA and Businesses, February and March
- ❖ Project Start Dates
 - Early to mid-April – Full Depth Reclamation, Asphalt Overlay, and Curb/Gutter/Sidewalk Replacement
 - Mid June - to July –Slurry Seal
 - Late August to September – Town Facilities and Miscellaneous Concrete
- ❖ Program Fully Complete by End of October

PARKING LOTS

MARCH 21, 2022



OVERVIEW

- ❖ Individual department ownership
- ❖ Five Year Cycle: Evaluation and Treatments



2in Mill and Overlay, and Curb & Gutter Repair
1,700 Sq Yd

Bison Park



Castle Rock
Public Works
4175 N Castlecon
Castle Rock, CO
80109

Project:
Bison Park

Date: 12/8/2022

Drawn By: JP

Address:
1390 Clear Sky Way
Castle Rock, CO

Legend:

 2023 Parking Lot Treatments

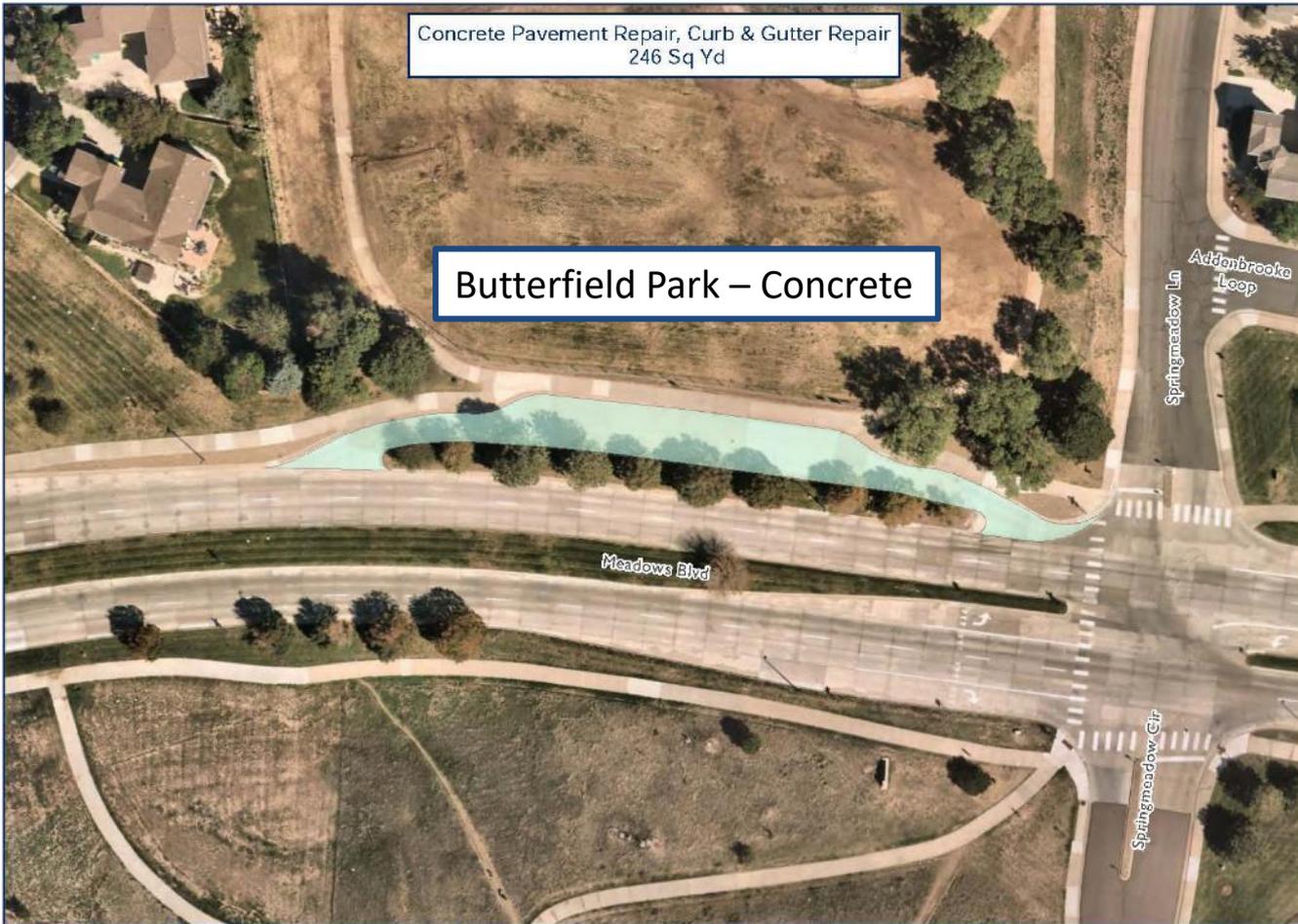
Scale:

1 inch = 38 feet



Concrete Pavement Repair, Curb & Gutter Repair
246 Sq Yd

Butterfield Park – Concrete



Castle Rock
Public Works
4175 N Castlecon
Castle Rock, CO
80109

Project:
Butterfield Park

Date: 12/8/2022

Drawn By: JF

Address:
NW Corner Meadows Blvd & Springmeadow Ln
Castle Rock, CO

Legend:

 2023 Parking Lot Treatments

Scale:
1 inch = 59 feet
0 10 20 30 40
feet





Seal Coat and Crack/Mastic Seal Repair
1,100 Sq Yd

Founder's Treatment Plant



Castle Rock
Public Works
4175 N Castlecon
Castle Rock, CO
80109

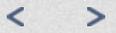
Project:
Founder's Treatment Plant

Date: 12/8/2022 Drawn By: JP

Address:
580 Lantern Trail
Castle Rock, CO

Legend:
2023 Parking Lot Treatments

Scale:
1 inch = 47 feet
0 10 20 30 40
ft.



Concrete Pavement Replace- 500 Sq Yd, FDR- 800 Sq Yd, Curb & Gutter Repair



Founder's Village Fire Station



Castle Rock
Public Works
4175 N Castlecon
Castle Rock, CO
80109

Project:
Founder's Village Fire Station

Date: 12/8/2022

Drawn By: JP

Address:
5463 F. Sovereign Street
Castle Rock, CO

Legend:

 2023 Parking Lot Treatments

Scale:

1 inch = 60 feet
0 10 20 30 40
 ft.



Full Depth Reclamation, and Curb & Gutter Repair
2,950 Sq Yd

Sapphire Pointe Blvd

Gemstone Park



Castle Rock
Public Works
4175 N. Cascade
Castle Rock, CO
80109

Project:
Gemstone Park

Date: 12/5/2022

Drawn By: JF

Address:
6145 Sapphire Point Blvd
Castle Rock, CO

Legend:

2023 Parking Lot Treatments

Scale:

1 inch = 63 feet

0 10 20 30 40
ft.



Concrete Pavement Replace- 907 Sq Yd, 2in Mill and Overlay- 555 Sq Yd, Curb & Gutter Repair



Prairie Hawk Fire Station



Castle Rock
Public Works
4175 N. Chesterton
Castle Rock, CO
80109

Project:
Prairie Hawk Fire Station

Date: 12/5/2022 Drawn By: JF

Address:
3801 Prairie Hawk Drive
Castle Rock, CO

Legend:

2023 Parking Lot Treatments

Scale:

1 inch = 62 feet

0 10 20 30 40
ft.





Castle Rock
Public Works
4175 N. Castleon
Castle Rock, CO
80109

Project:
Ray Waterman Treatment Plant

Date: 12/5/2022 Drawn By: JF

Address:
1282 Castle Oaks Drive
Castle Rock, CO

Legend:
2023 Parking Lot Treatments

Scale:
1 inch = 82 feet

0 25 50 75 100 ft.



Concrete Pavement, Crack & Mastic Seal, and Seal Coat Repair
360 Sq Yd

Weaver II Well Field

Wagonwheel Trl



Castle Rock
Public Works
4175 N. Cascade
Castle Rock, CO
80109

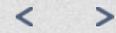
Project:
Weaver II Well Field

Date: 12/5/2022 Drawn By: JF

Address:
5740 Wagonwheel Trail
Castle Rock, CO

Legend:
2023 Parking Lot Treatments

Scale:
1 inch = 34 feet





Seal Coat and Curb & Gutter Repair
1,050 Sq Yd

Wrangler Park



Castle Rock
Public Works
4175 N. Cascade
Castle Rock, CO
80109

Project:
Wrangler Parking Lot

Date: 12/5/2022 Drawn By: JF

Address:
2418 Autumn Sage Street
Castle Rock, CO

Legend:

 2023 Parking Lot Treatments

Scale:

1 inch = 48 feet



2023 TOWN FACILITY PARKING LOT IMPROVEMENT COST SUMMARY

FUNDING SOURCE; GENERAL LONG TERM PLANNING,
AND FACILITIES PAVING PROGRAM

❖ Total Budget	\$731,066
❖ Bid Amount	(\$664,606)
❖ Contingency	<u>(\$66,460)</u>
❖ Remaining Amount	\$0.00

PMP FUNDS REALLOCATION

MARCH 21, 2022



Resolution authorizing the Town Manager and Finance Director to reallocate Council approved PMP funds

- Utilize savings from some contract areas to increase scope in others
- Savings from minimizing contractors remobilization of resources
- Minimizing disruption to the traveling public
- No increase to the total appropriated budget authorized by Town Council

PAVEMENT MARKINGS

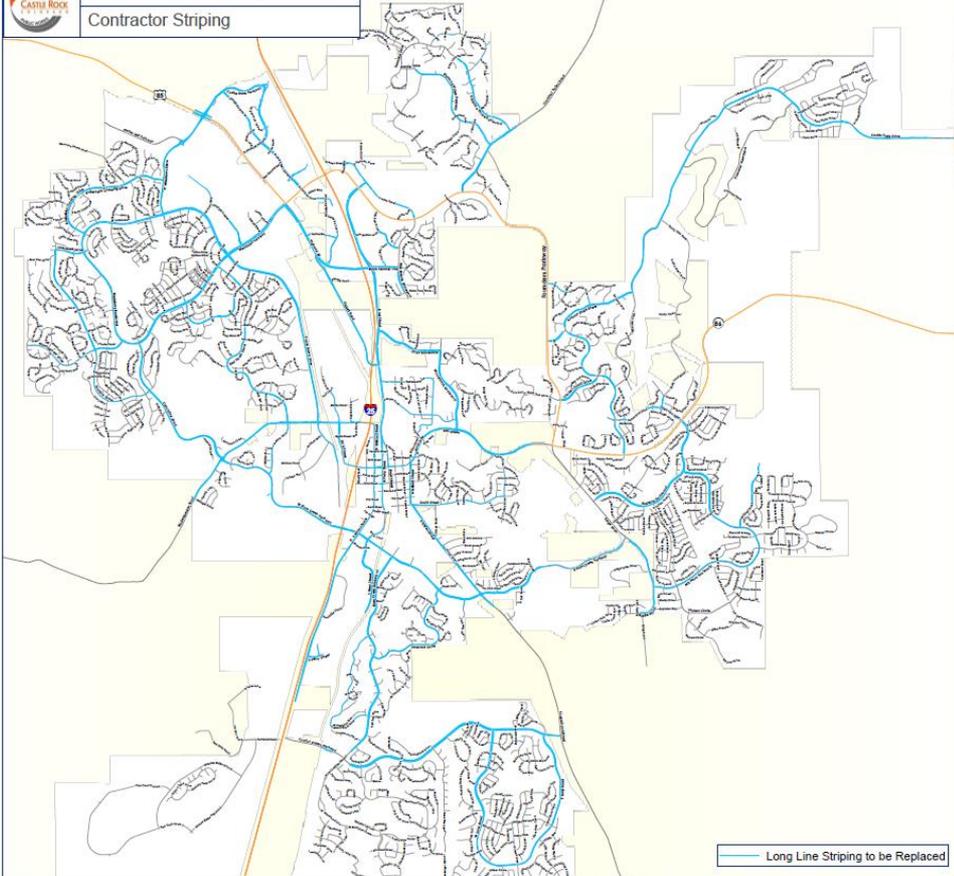
MARCH 21, 2022





2023 SPRING LONG LINES

Contractor Striping

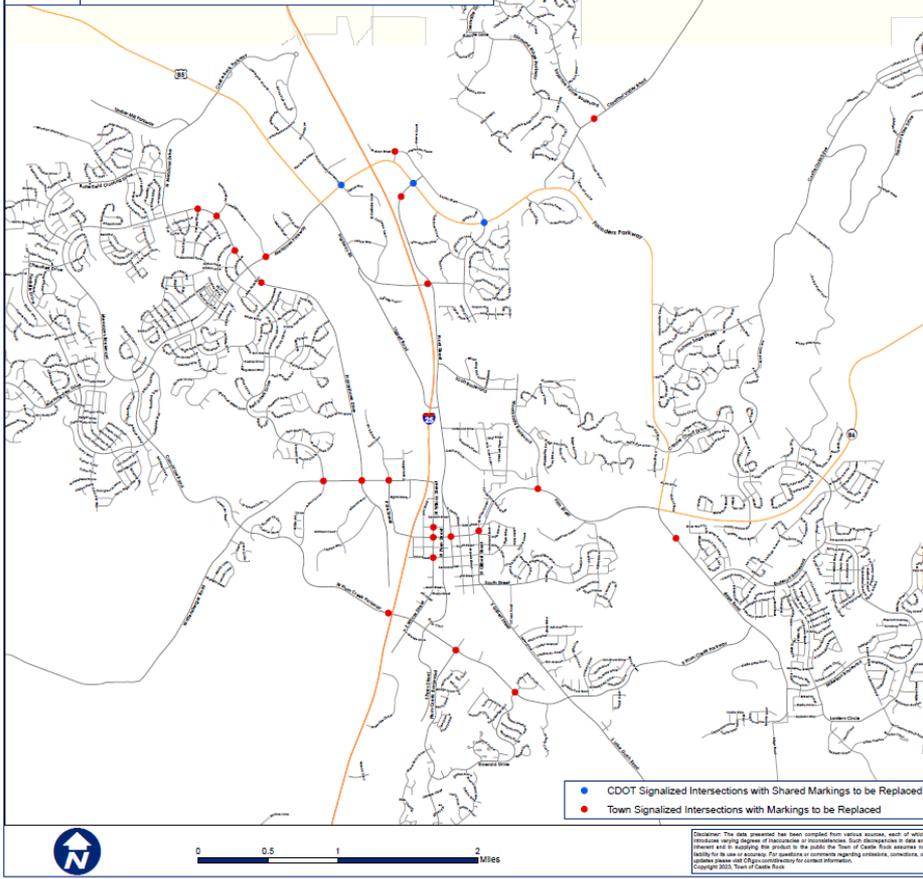


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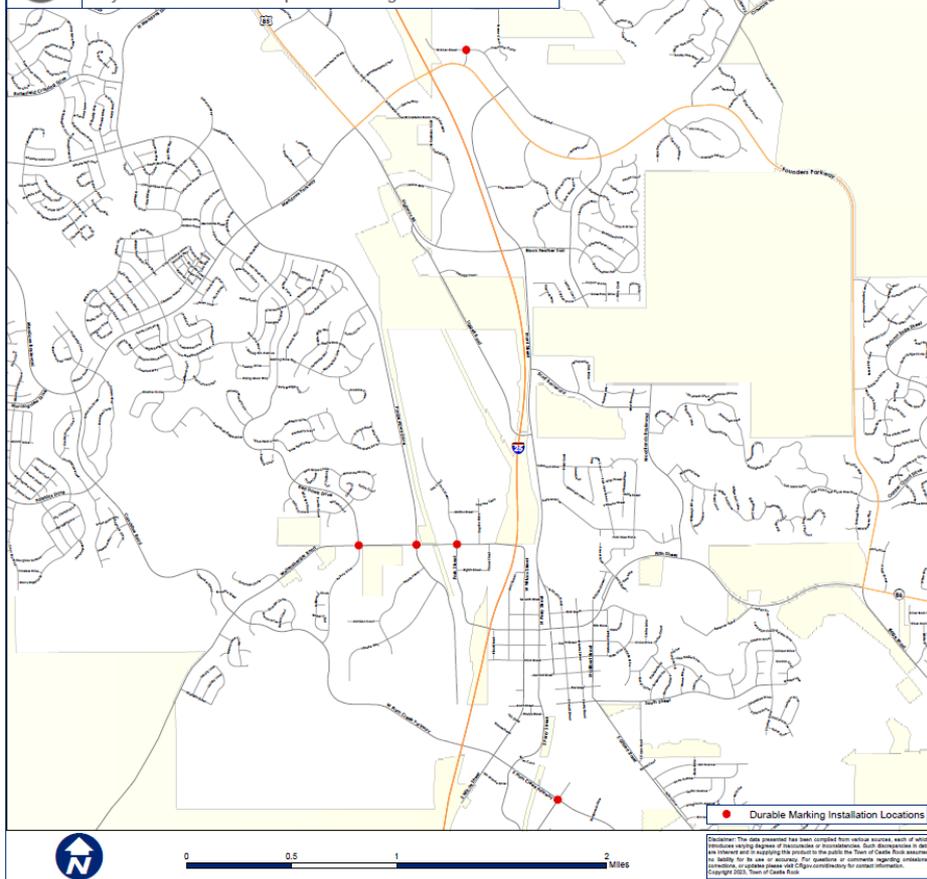
SIGNALIZED INTERSECTION MARKINGS

Acrylic Latex Polymer Marking Replacement Locations



DURABLE MARKINGS TO BE INSTALLED

Alkyd - Preformed Thermoplastic Marking Installation Locations



COMPLETED DURABLE MARKING PROJECTS

WOLFENSBERGER ROUNDABOUT



Before ground in thermo installed



After ground in thermo installed

2023 PAVEMENT MARKING MAINTENANCE COST SUMMARY

❖ 2023 Approved Pavement Marking Maintenance Budget	\$377,000
❖ Total Cost for Pavement Marking Maintenance	\$377,000
❖ Remaining Budget	\$0

NIGHT TIME NOISE VARIANCE

MARCH 21, 2022



NIGHT TIME NOISE VARIANCE

- Reduce Disruptions to Traffic
- Reduce Disruptions to Businesses
- Can significantly reduce Schedule



NIGHT WORK ACTIVITIES MAP

Residential Properties Adjacent to Proposed Night Work

ATTACHMENT B



0 250 500 1,000 Feet

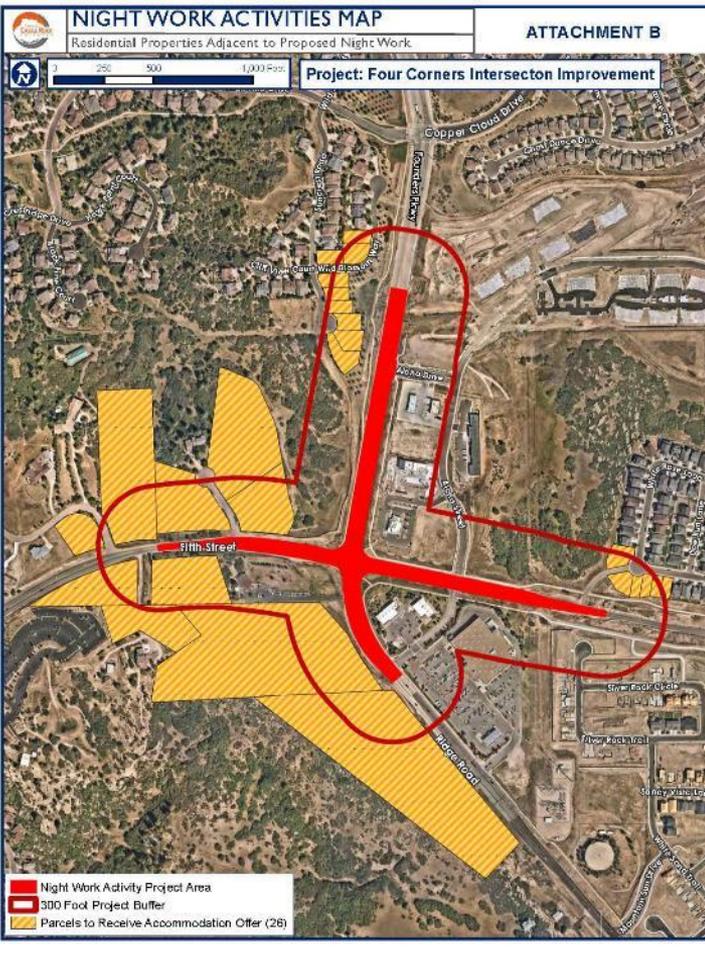
Project: Downtown Mill and Overlay



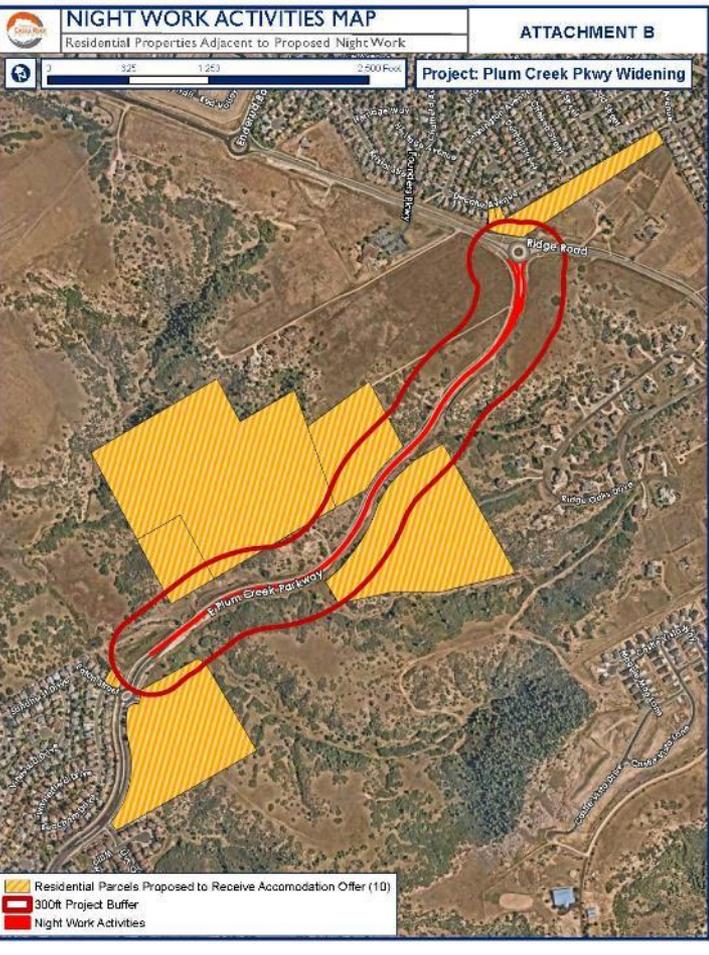
2nd Street & 4th Street



Crystal Valley Pkwy Roundabout



Four Corners Intersection



Plum Creek Pkwy Widening

RECOMMENDATION

The Public Works Commission recommends approval of all items

LEVEL OF SERVICE

