

2024 PAVEMENT MAINTENANCE PROGRAM (PMP) AND RECONSTRUCTION PROJECTS CONTRACT AWARDS



TOWN COUNCIL
MARCH 5, 2024





ELEVATING VALUE



**Low Environmental
Impacts**



Low Downtime



High Safety



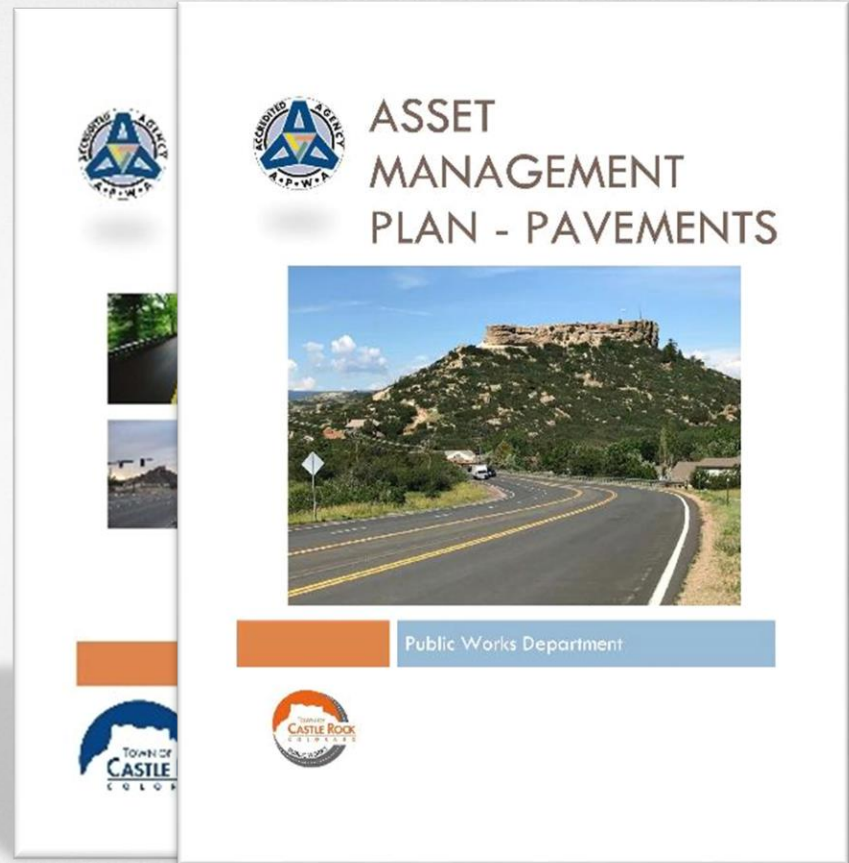
Low Lifecycle Cost



Reliability

OVERVIEW

- ❖ Secondary Streets:
Five Regions
- ❖ Primary Streets:
Not Region Based



Slurry Seal Project



Asphalt Patching and Crack Sealing



Asphalt Mill and Overlay



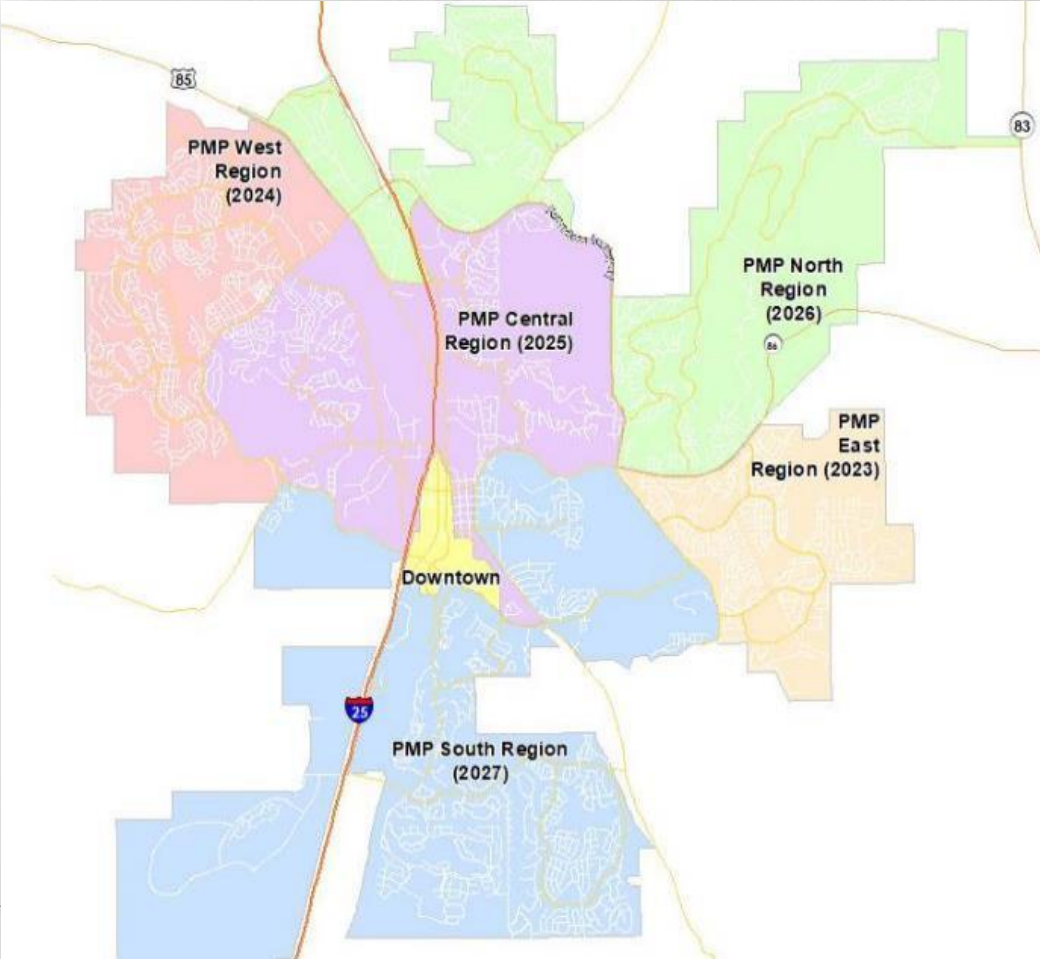
Reconstruction/ Full Depth Reclamation (FDR)



Curb, Gutter & Sidewalk Replacement



PMP APPROACH

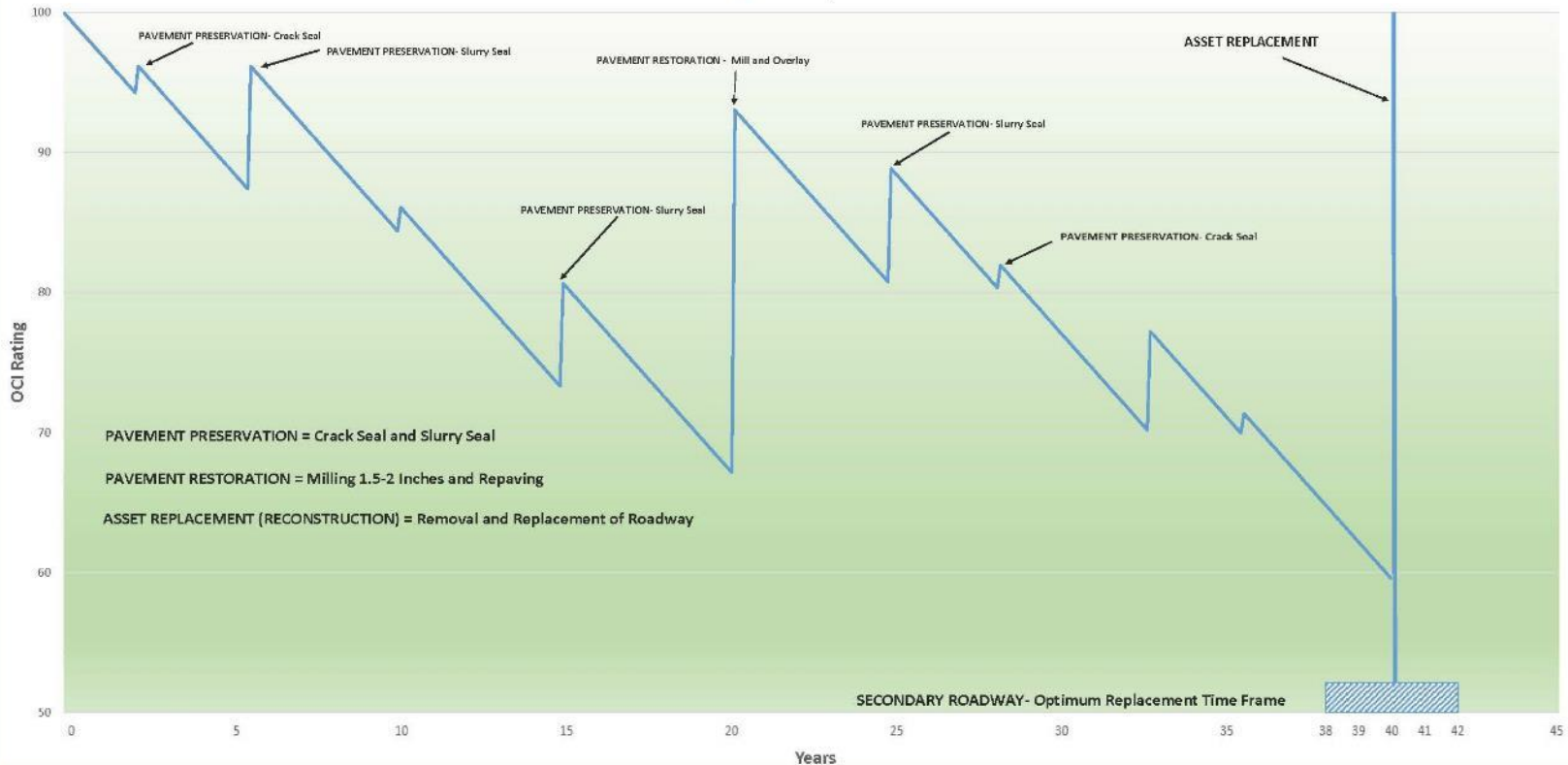


LEVEL OF SERVICE

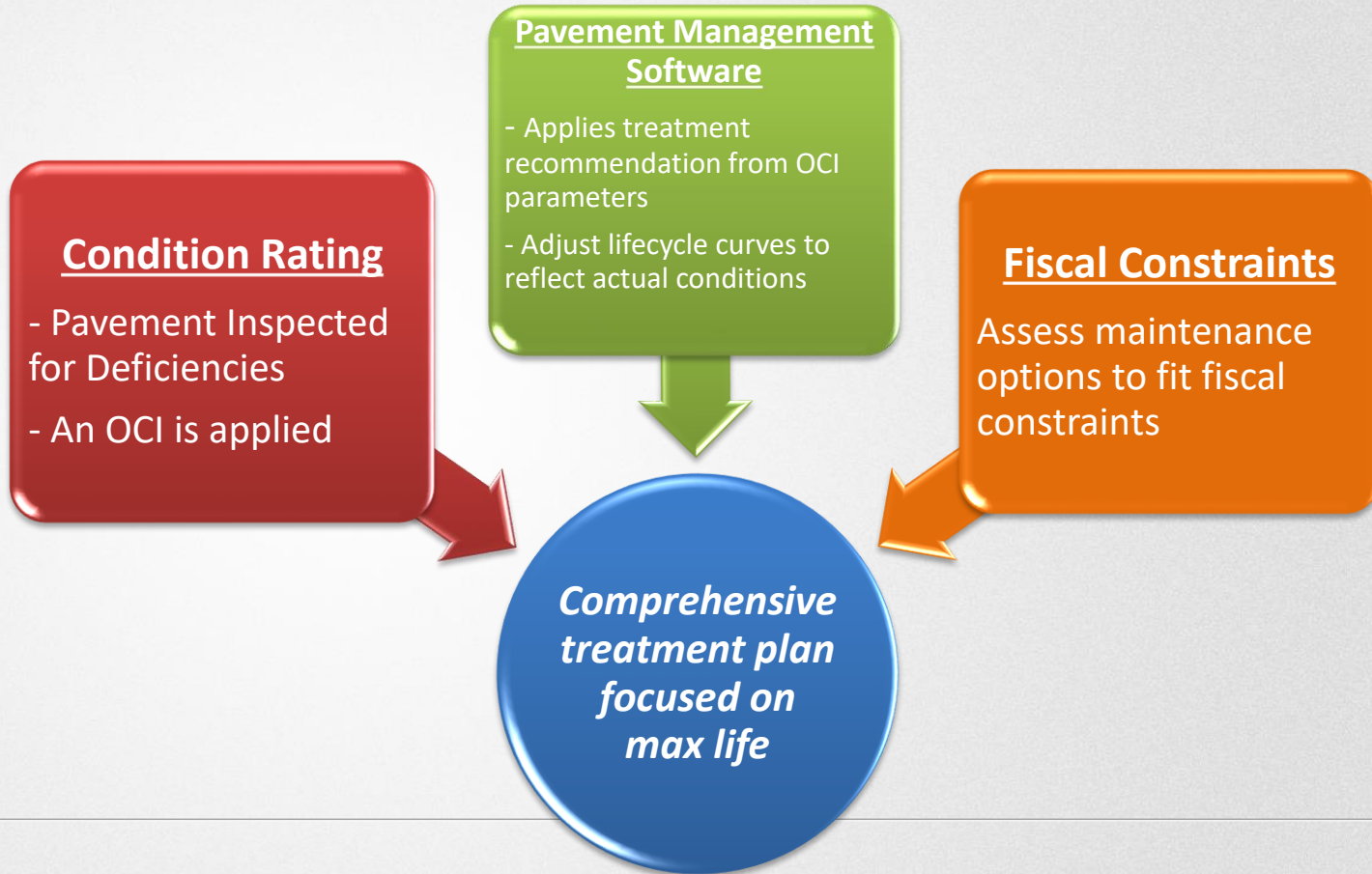
LIFE CYCLE & MAINTENANCE CURVE

ASPHALT PAVEMENT

—OCI Life Cycle



How is Roadway Maintenance Determined?



2024 PMP COST SUMMARY

FUNDING SOURCE; TRANSPORTATION OPERATIONS AND MAINTENANCE BUDGET

❖ PMP Total Budget	\$15,100,000
❖ PMP Bid Amounts	(\$10,543,695)
❖ PMP Contingency	(\$1,054,370)
❖ Misc. Concrete	(\$249,920)
❖ <u>Crowfoot Valley Rd. Widening</u>	<u>(\$700,000)</u>
❖ PMP Program Unencumbered Funds	\$2,552,015

PMP SCHEDULE

- ❖ Award of Contracts early March
- ❖ Open House for West PMP Region, March 25
- ❖ 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

2024 TOWN FACILITY PARKING LOT IMPROVEMENT PROJECT CONTRACT AWARD



OVERVIEW

Five Year Cycle: Evaluation and Treatments

Concrete Pavement Repair- 142 SY, Curb & Gutter Repair- 40 LF



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

Project:
Fire Station 152 Concrete Driveway

Date: 12/13/2023

Drawn By: JP

Address:
485 Crystal Valley Pkwy
Castle Rock, CO

Legend:



Scale:

1 inch = 78 feet



Concrete Pavement Repair- 374 SY, Curb & Gutter Repair- 35 LF



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

Project:
Water Headquarters Front Concrete Parking Lot

Date: 12/13/2023

Drawn By: JF

Address:
Front of main office building, before the main gate
Castle Rock, CO

Legend:

2023 Parking Lot Treatments

Scale:

1 inch = 33 feet



Concrete Pavement Repair- 800 SY, Curb & Gutter Repair- 90 LF



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

Project:
Water Headquarters East Concrete Parking Lot

Date: 12/13/2023 Drawn By: JP

Address:
East of main office building, through the east gate
Castle Rock, CO

Legend:

2023 Parking Lot Treatments

Scale:

1 inch = 78 feet
0 25 50 75 100



Slurry Seal- 650 SY, Curb & Gutter Repair- 650 SY



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

Project:
East Plum Creek Trailhead

Address:
Access on EB Meadows Pkwy before the bridge
Castle Rock, CO

Legend:
2023 Parking Lot Treatments

Scale:
1 inch = 33 feet
0 10 20 30 40



Slurry Seal- 1050 SY, Asphalt Patching, Curb & Gutter Repair- 44 LF



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

Project:
Wrangler Park Parking Lot

Date: 12/13/2023 Drawn By: JF

Address:
Autumn Sage St & Paint Pony Cir
Castle Rock, CO

Legend:

 2023 Parking Lot Treatments

Scale:

1 inch = 46 feet



Slurry Seal- 1700 SY, Asphalt Patching, Curb & Gutter Repair- 40 LF



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

Project:
Bison Park Parking Lot

Date: 12/13/2022

Drawn By: JF

Address:
Access South side of Clear Sky Elem Parking Lot, E of Clear Sky Way

Castle Rock, CO

Legend:

 2023 Parking Lot Treatments

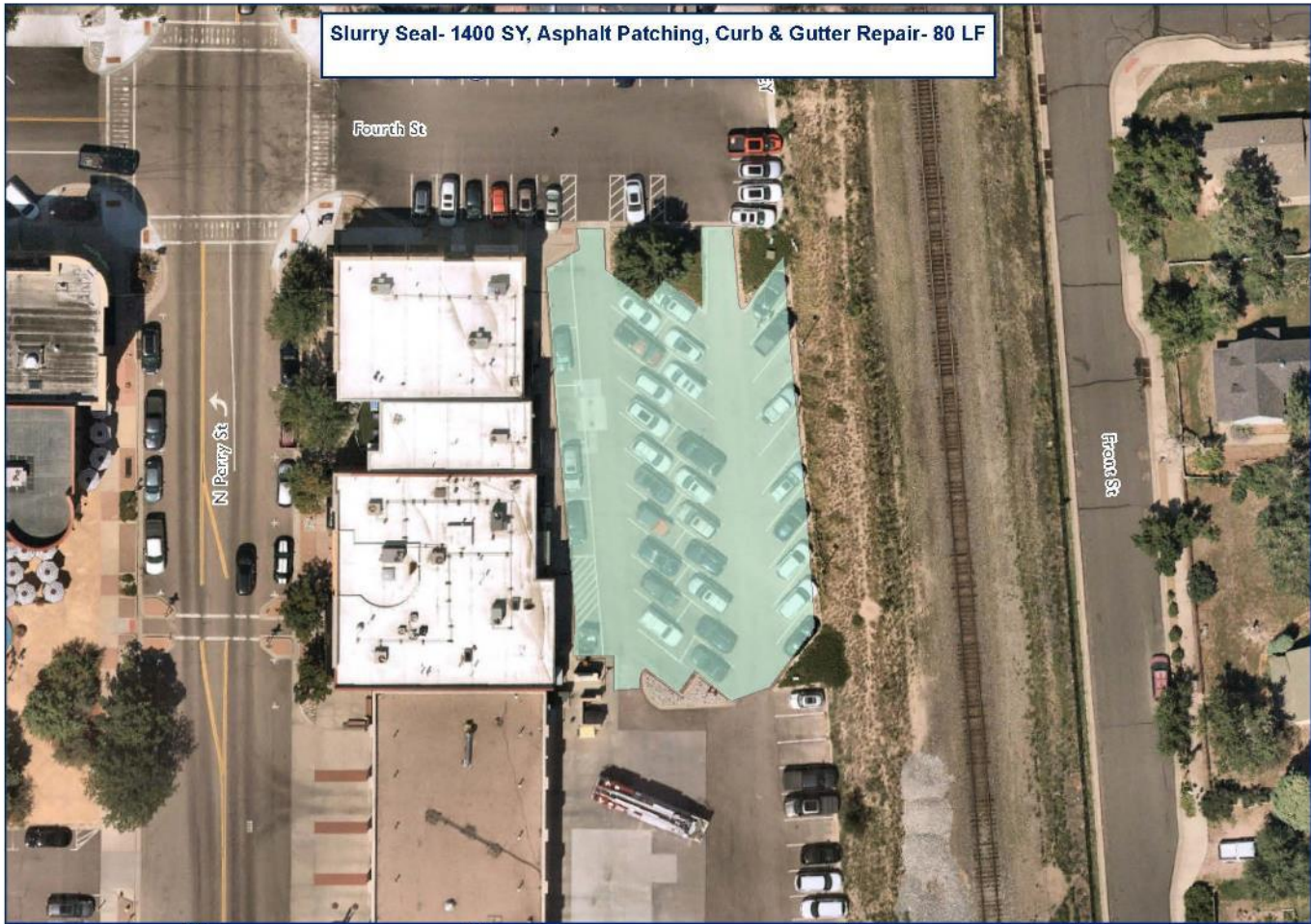
Scale:

1 inch = 46 feet

0 10 20 30 40



Slurry Seal- 1400 SY, Asphalt Patching, Curb & Gutter Repair- 80 LF



Castle Rock
Public Works
4175 N. Castlecon
Castle Rock, CO
80107

Project:
Fourth St and Perry Parking Lot

Date: 12/13/2023

Drawn By: JF

Address:
Southeast of Fourth and Perry St

Castle Rock, CO

Legend:



Scale:

1 inch = 43 feet



Asphalt Patching & Crack Sealing



Castle Rock
Public Works
4175 N. Castleton
Castle Rock, CO
80107

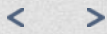
Project:
Seventh Street Parking Lot

Date: 12/13/2023 Drawn By: JF

Address:
East of Perry between Seventh St and Sixth St
Castle Rock, CO

Legend:
2023 Parking Lot Treatments

Scale:
1 inch = 83 feet



2024 TOWN FACILITY PARKING LOT IMPROVEMENT COST SUMMARY

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

❖ Total Budget	\$544,995
❖ Bid Amount	(\$384,529)
❖ <u>Contingency</u>	<u>(\$38,453)</u>
❖ Remaining Amount	\$122,013

2024 REALLOCATION OF APPROVED PMP AND RECONSTRUCTION FUNDS



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

2024 NIGHT TIME WORK



NIGHT TIME NOISE VARIANCE

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



3rd Street – Wilcox St to UPRR



NIGHT WORK ACTIVITIES MAP

Residential Properties Adjacent to Proposed Night Work

ATTACHMENT B

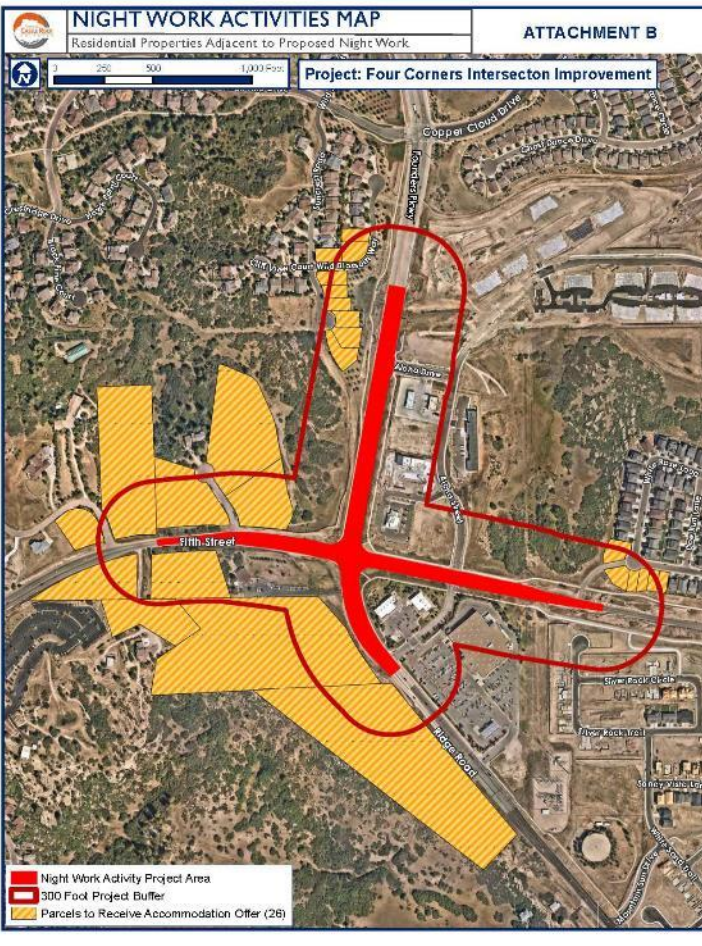


0 170 340 680 Feet

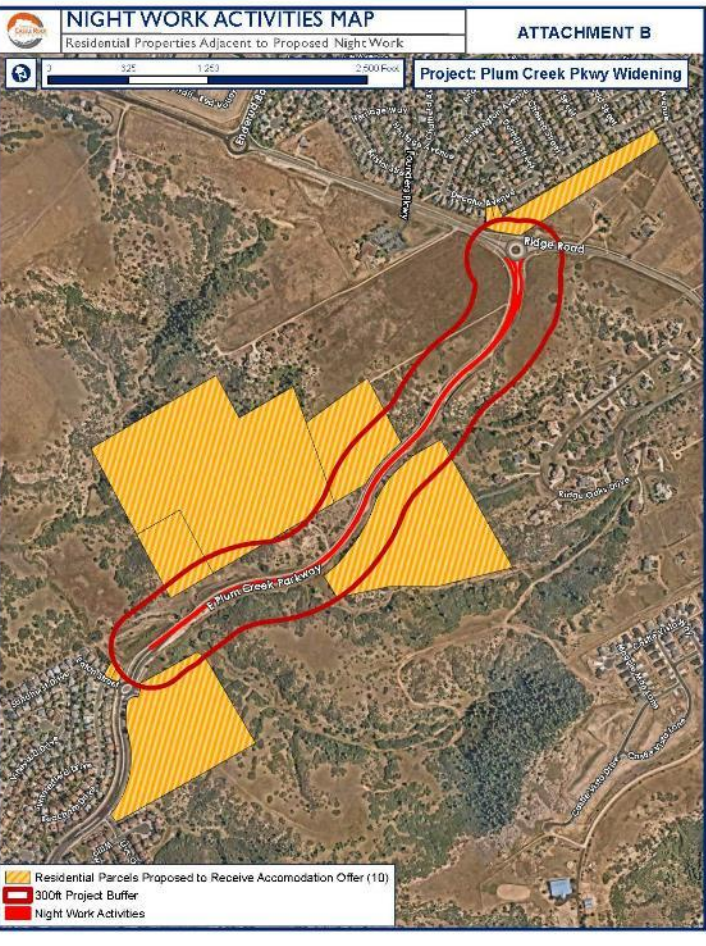
Project: Jerry St. Mill and Overlay



Jerry St. – 3rd Street to 5th Street



Four Corners Intersection



Plum Creek Pkwy
Reconstruction



Crowfoot Valley Rd. Widening



Wolfensberger Rd. & Park St.
Intersection Improvements



Crystal Valley Interchange

RECOMMENDATION

Recommend approval of the Resolutions as introduced by title.