



2017 Pavement Maintenance Program Overview

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April 17, 2017

Program Philosophy

Completing the
Right Repair on the
Right Road at the
Right Time



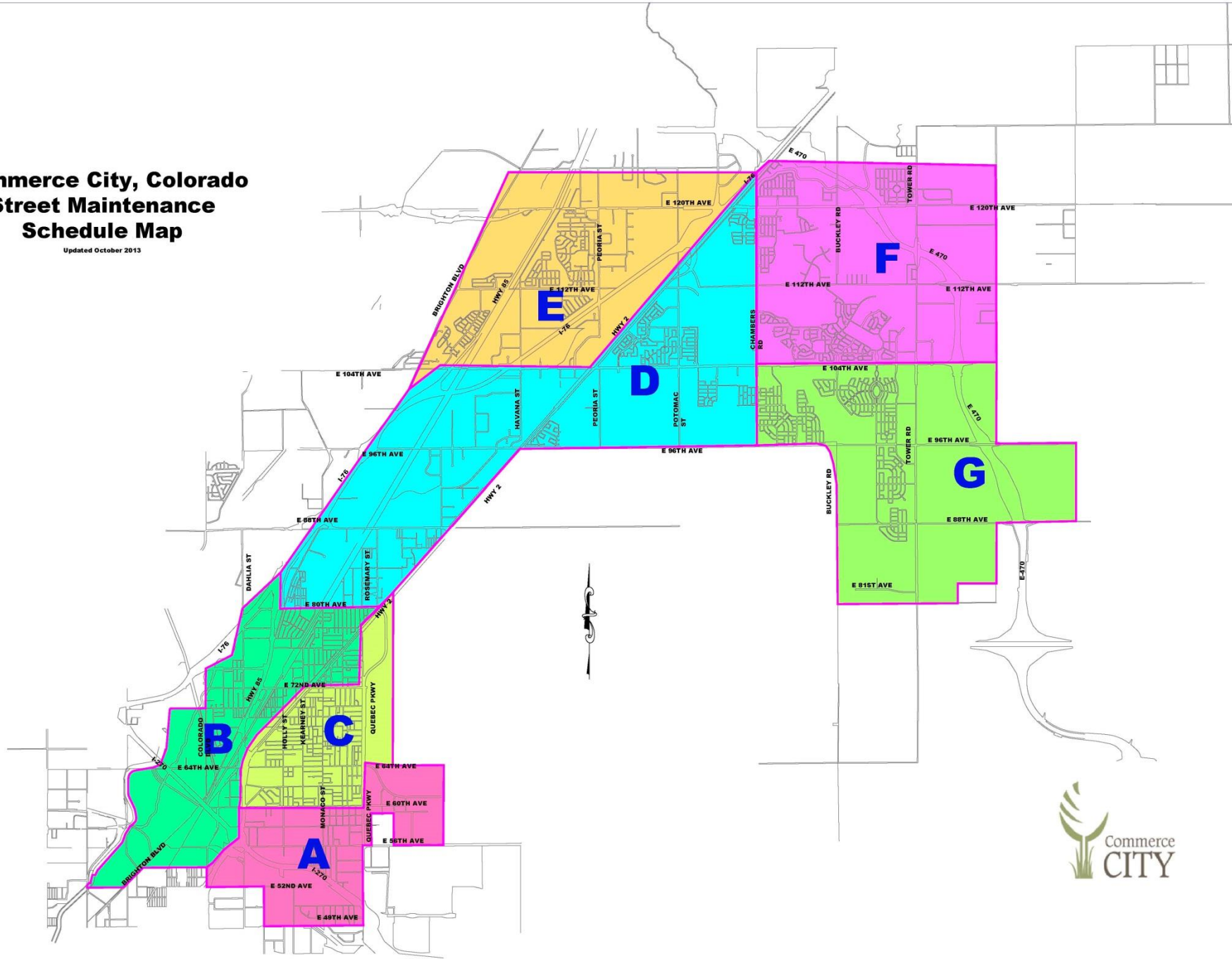
Program Summary

- Approach creates a cycle of repairs to address:
 - **ROUTINE** maintenance
 - **PREVENTIVE** maintenance
 - **CORRECTIVE** maintenance
- Seven year cycle for *local/neighborhood* streets
- Weighted rating of Overall Condition Index (OCI) and various qualitative factors to rank **arterial & collector** streets



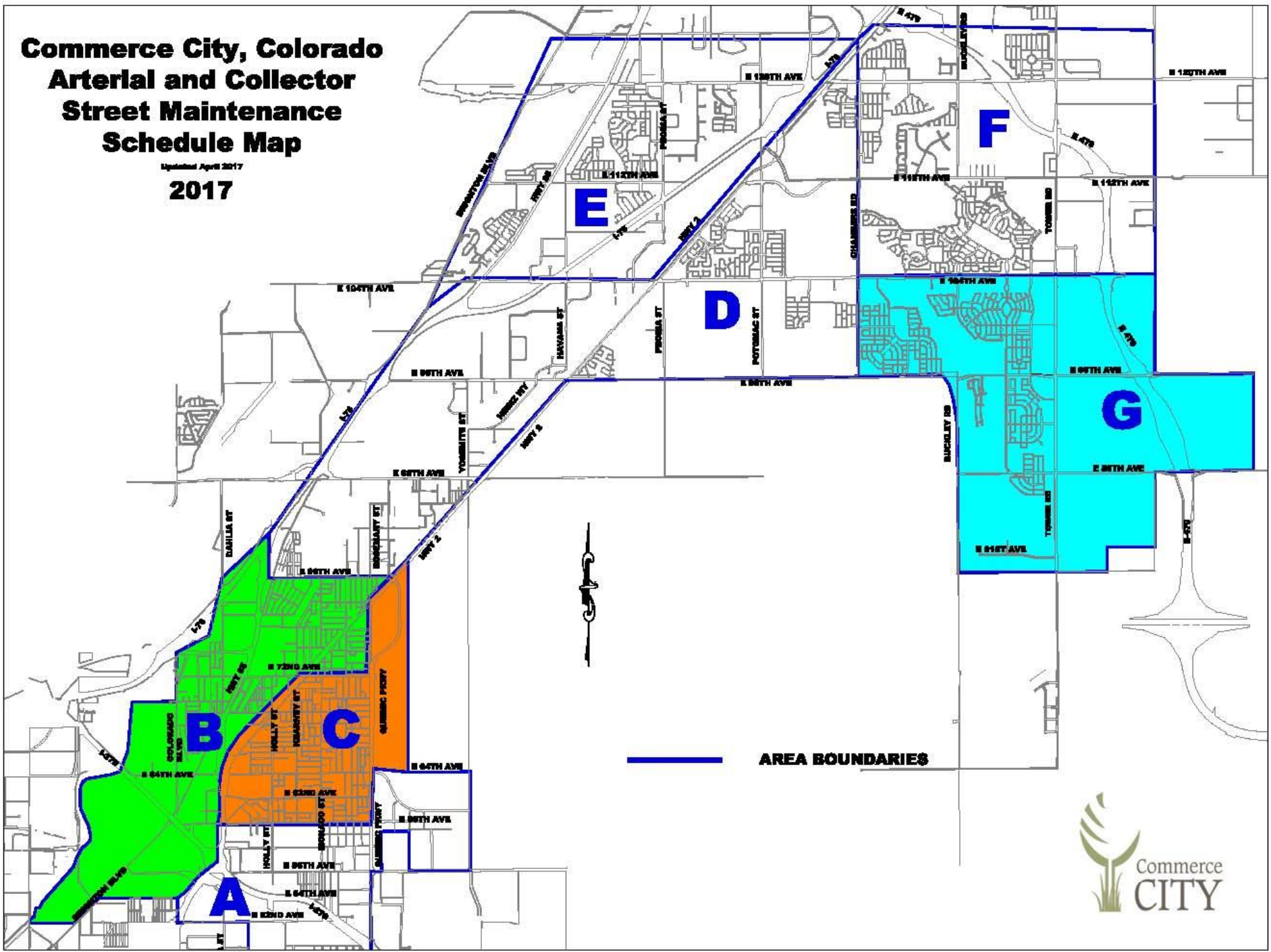
**Commerce City, Colorado
Street Maintenance
Schedule Map**

Updated October 2013



**Commerce City, Colorado
Arterial and Collector
Street Maintenance
Schedule Map**

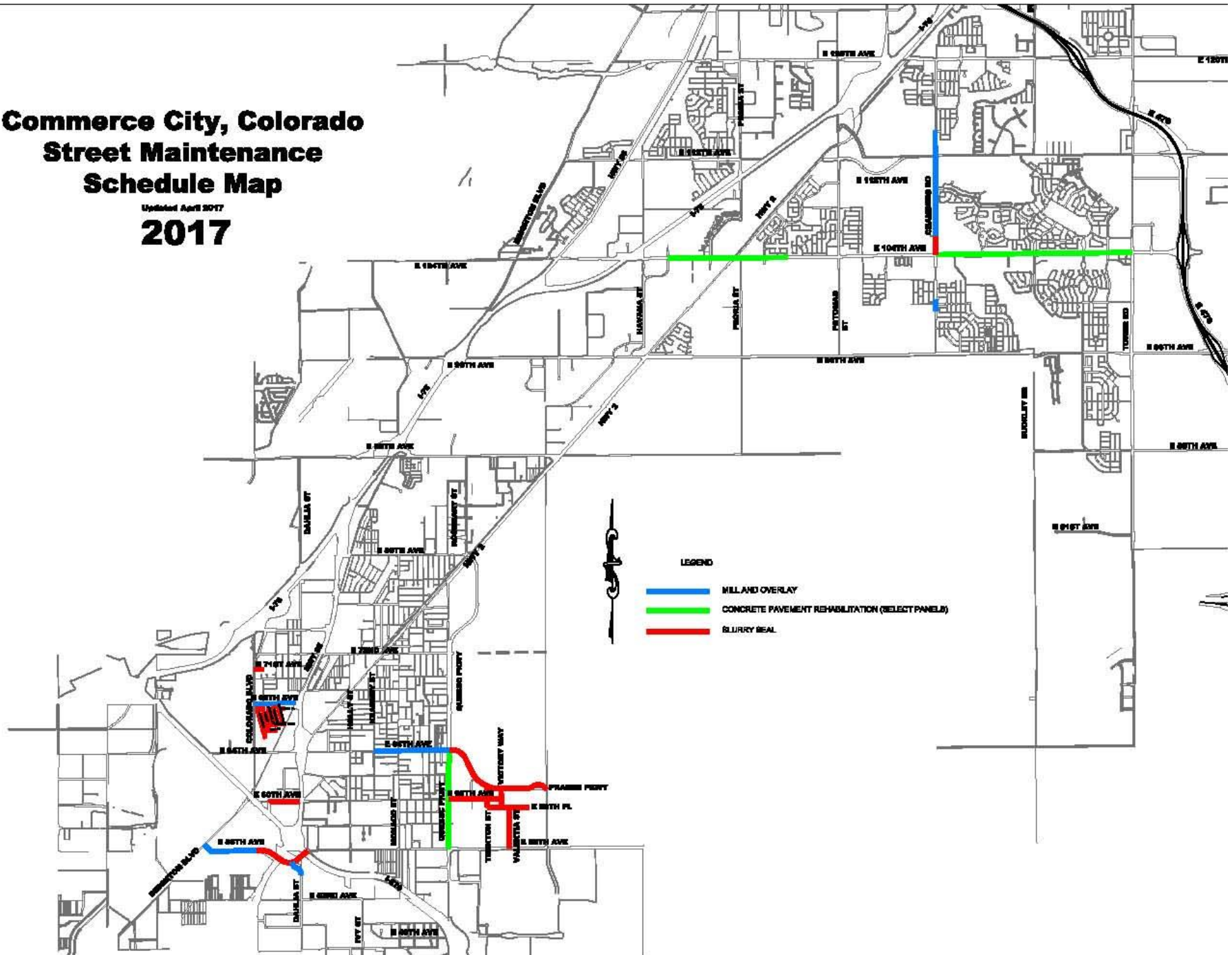
Updated April 2017
2017



2018



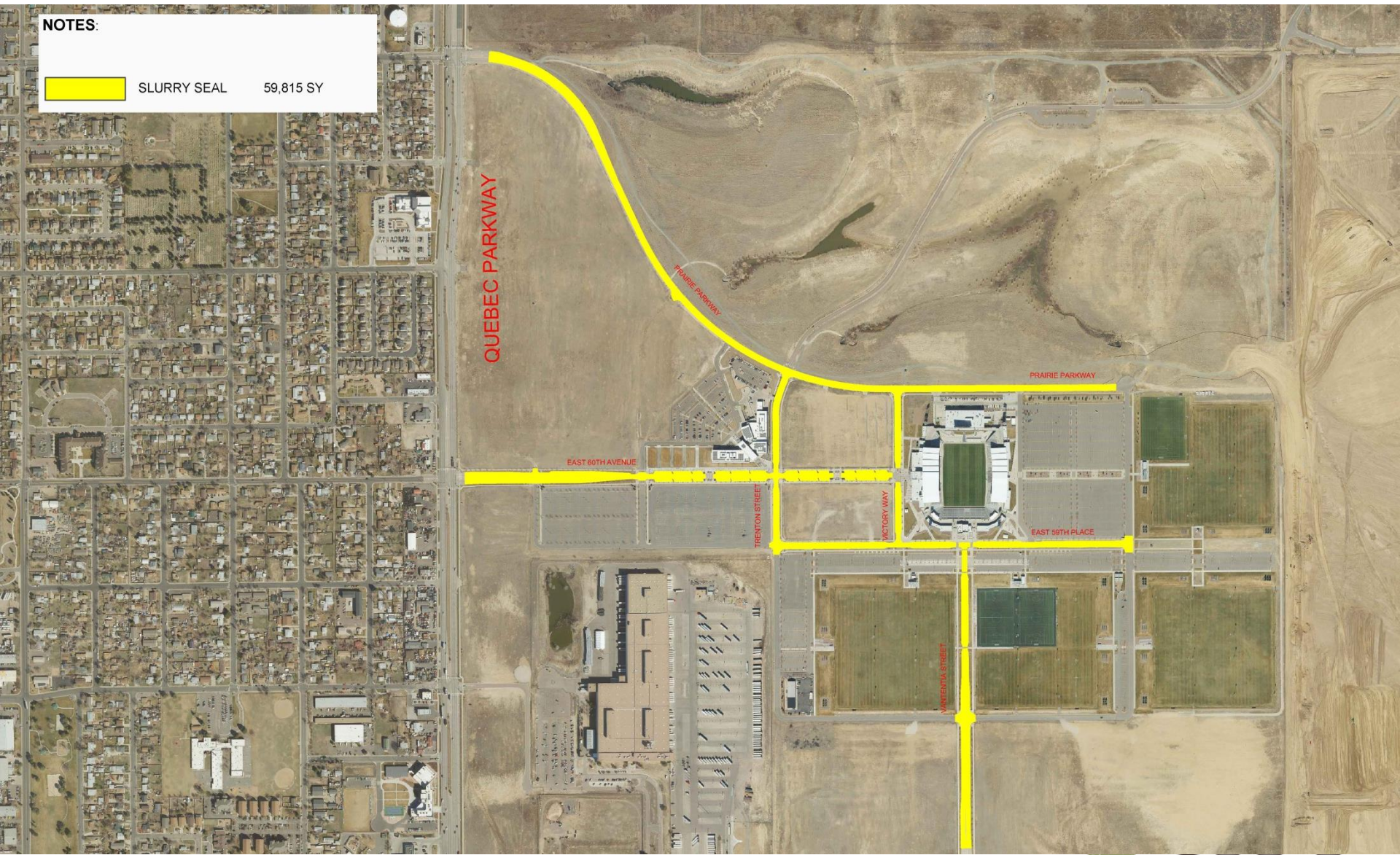
2017



2017 PREVENTIVE - DSGP Area

NOTES:

 SLURRY SEAL 59,815 SY



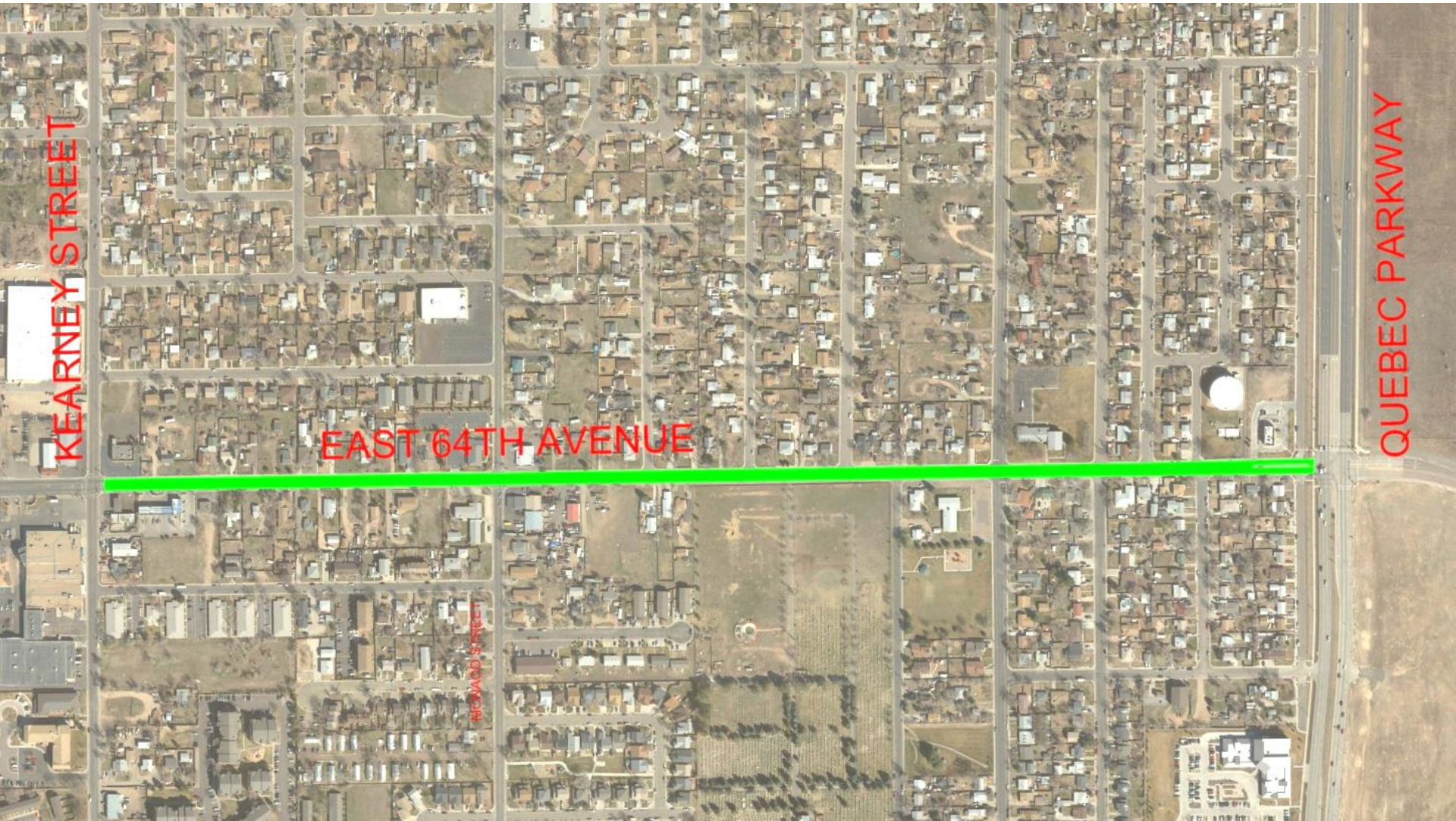
2017 PREVENTIVE - 60th Ave.

NOTES:

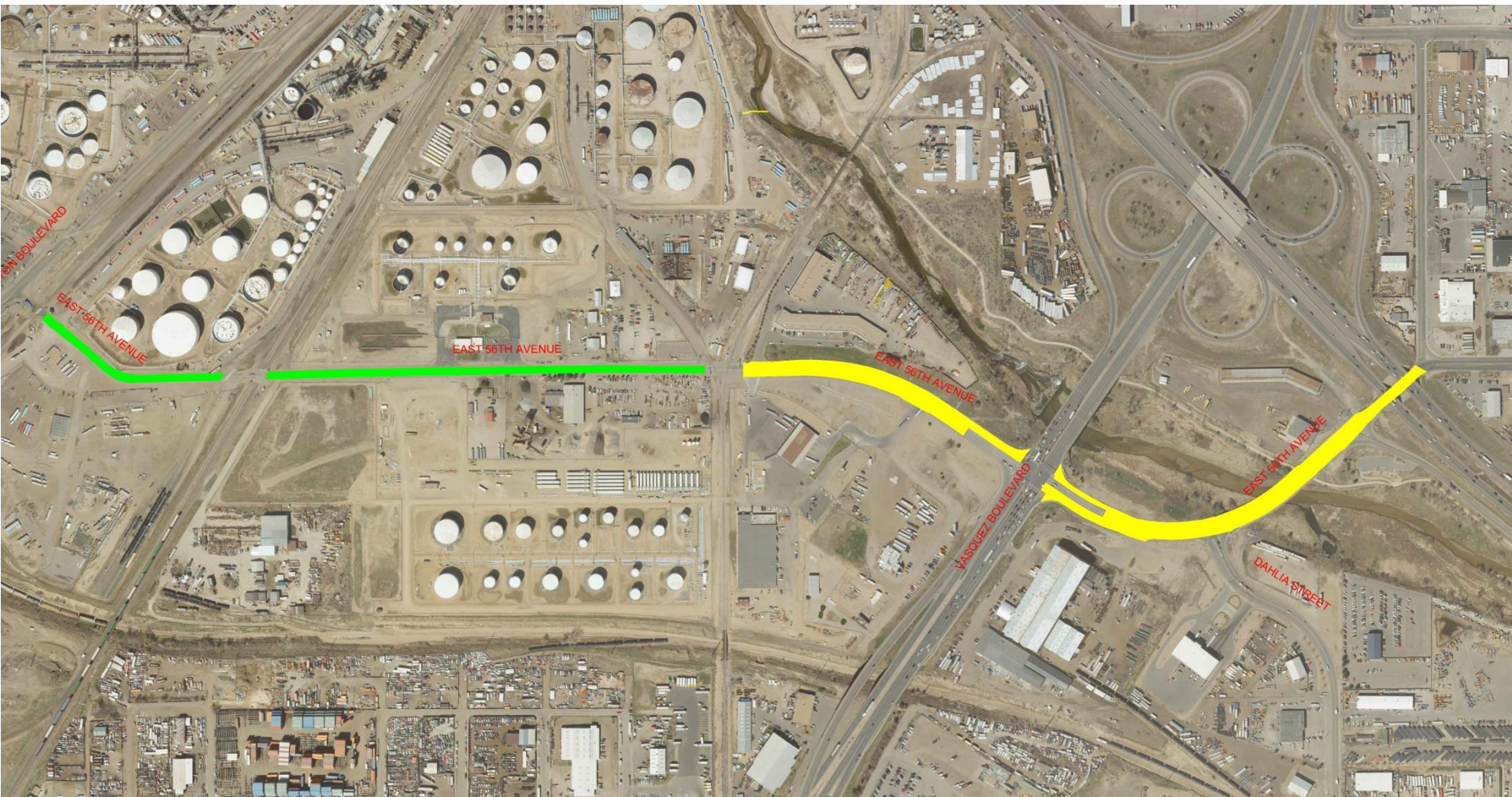
SLURRY SEAL 7,508 SY



2017 CORRECTIVE – 64TH Avenue



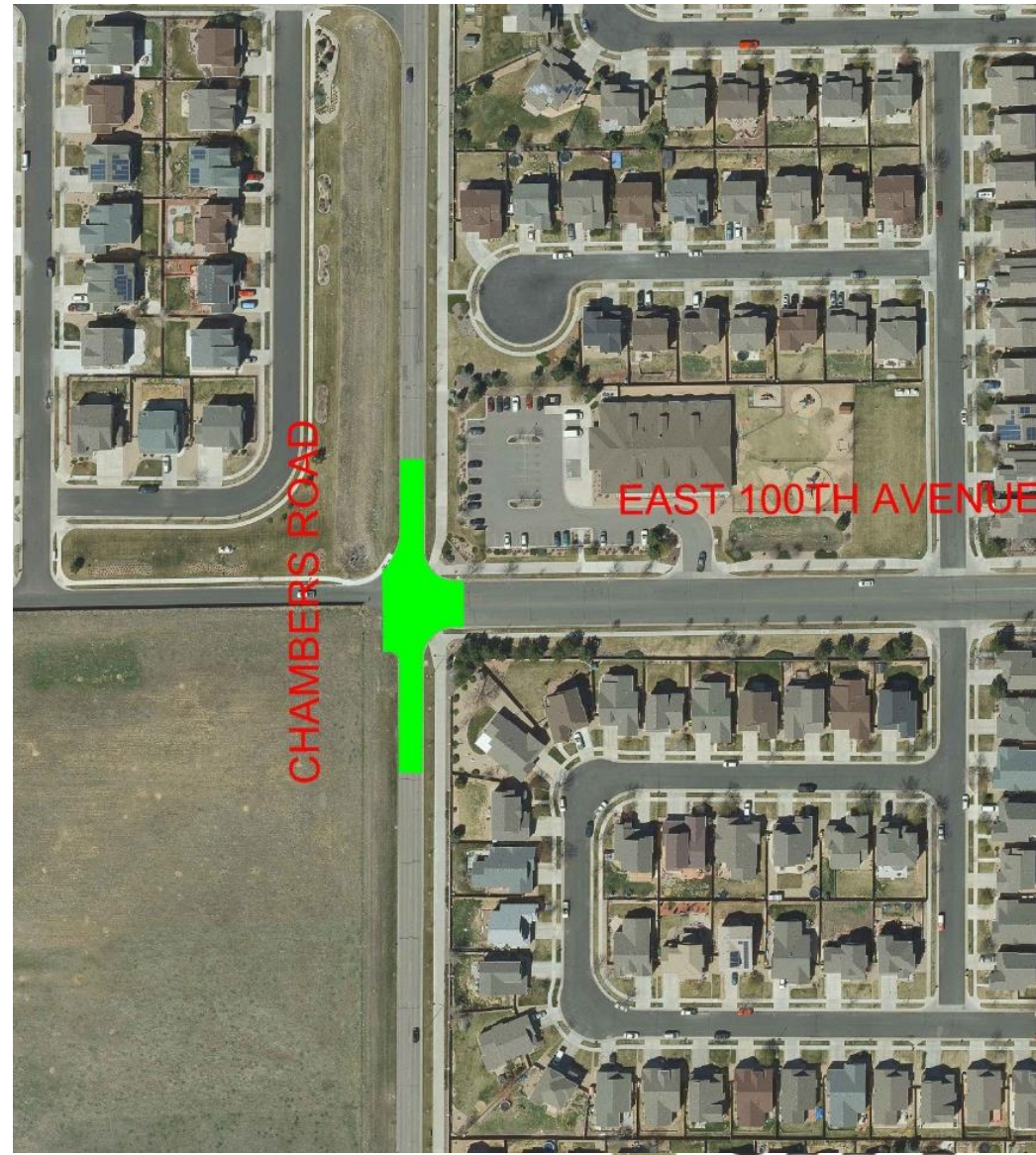
2017 CORRECTIVE & PREVENTIVE - 56th Avenue



Adding Heights



2017 PREVENTIVE & CORRECTIVE – Chambers Rd



Project Funding & Costs

Funding	Amount
2017 Appropriation	\$1,900,000

Costs	Amount
Slurry Seal	\$398,800
Mill & Overlay	\$1,151,200
Concrete Panel Replacement & Repairs	\$170,000
Contingency (5%)	\$86,000
City-Wide Street Rating (OCI analysis)	\$90,000
Total	\$1,896,000
Net	\$4,000

Communication Efforts

Outreach Methods:

- City Website
- Construction Hotline, *303-289-8118*
- Direct Mailer with Frequently Asked Questions
- Door Hangers
- Variable Message Boards
- All communications will be prepared by the City
- City staff will respond to all phone calls & web inquiries



Project Schedule

Concrete Pavement Repair: July - September

Slurry Seal: July - September

Mill & Overlay: August - October





Oct 11, 2016, 11:47 AM

Getting Better All the Time

2016 Accomplishments:

- ***Partnership:*** Implemented modified (less stiff) asphalt type for all new residential developments
- ***Innovation:*** Completed “pilot” program of slurry seal over older chip seal in Stillwater & Dunes neighborhoods
- ***Sustainability & Saving \$:*** Recycling milled asphalt for use in road shouldering efforts
- ***Education:*** Presentation on City’s Program at the Colorado Asphalt Conference



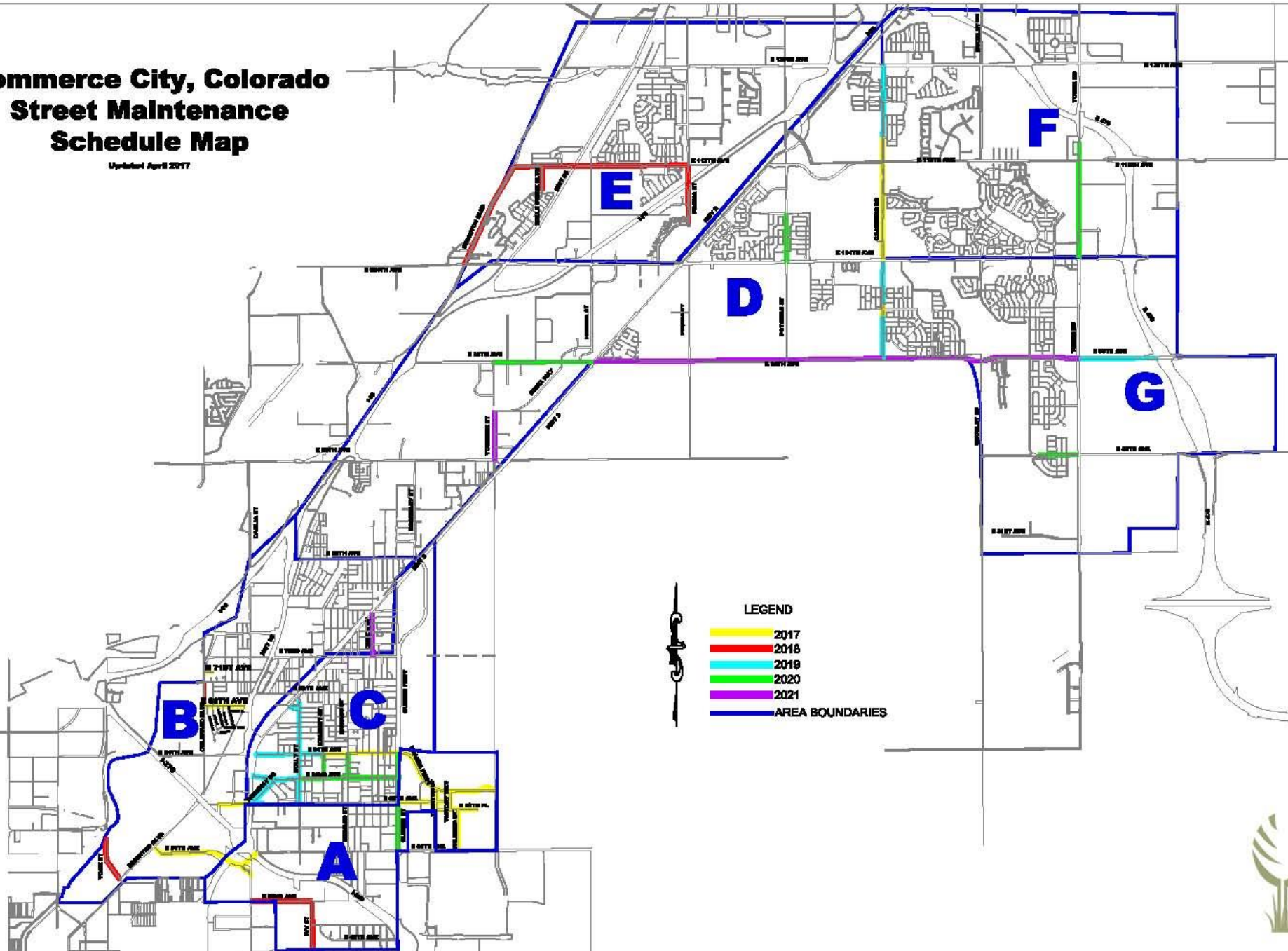
Getting Better All the Time

2017 Planned Efforts:

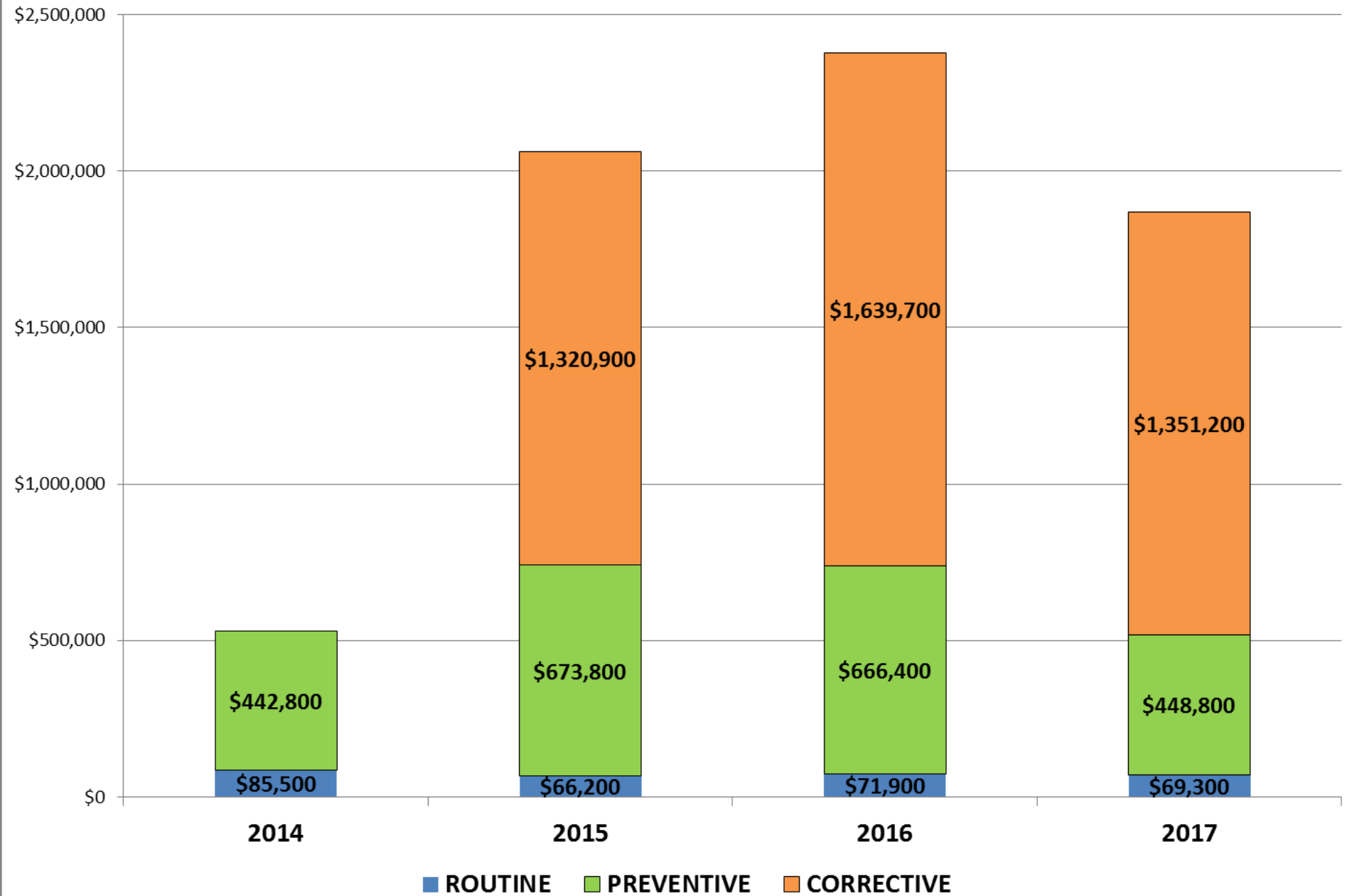
- ***Technology:*** Evaluate in-place recycling as an option to mill & overlay
- ***Partnership:*** Research program to “reward” utility companies for completing repairs prior to City’s maintenance & increasing requirements for any cuts made within 2-5 years after City maintenance
- ***Saving \$:*** Combine contracts with other agency(s) to get a better price



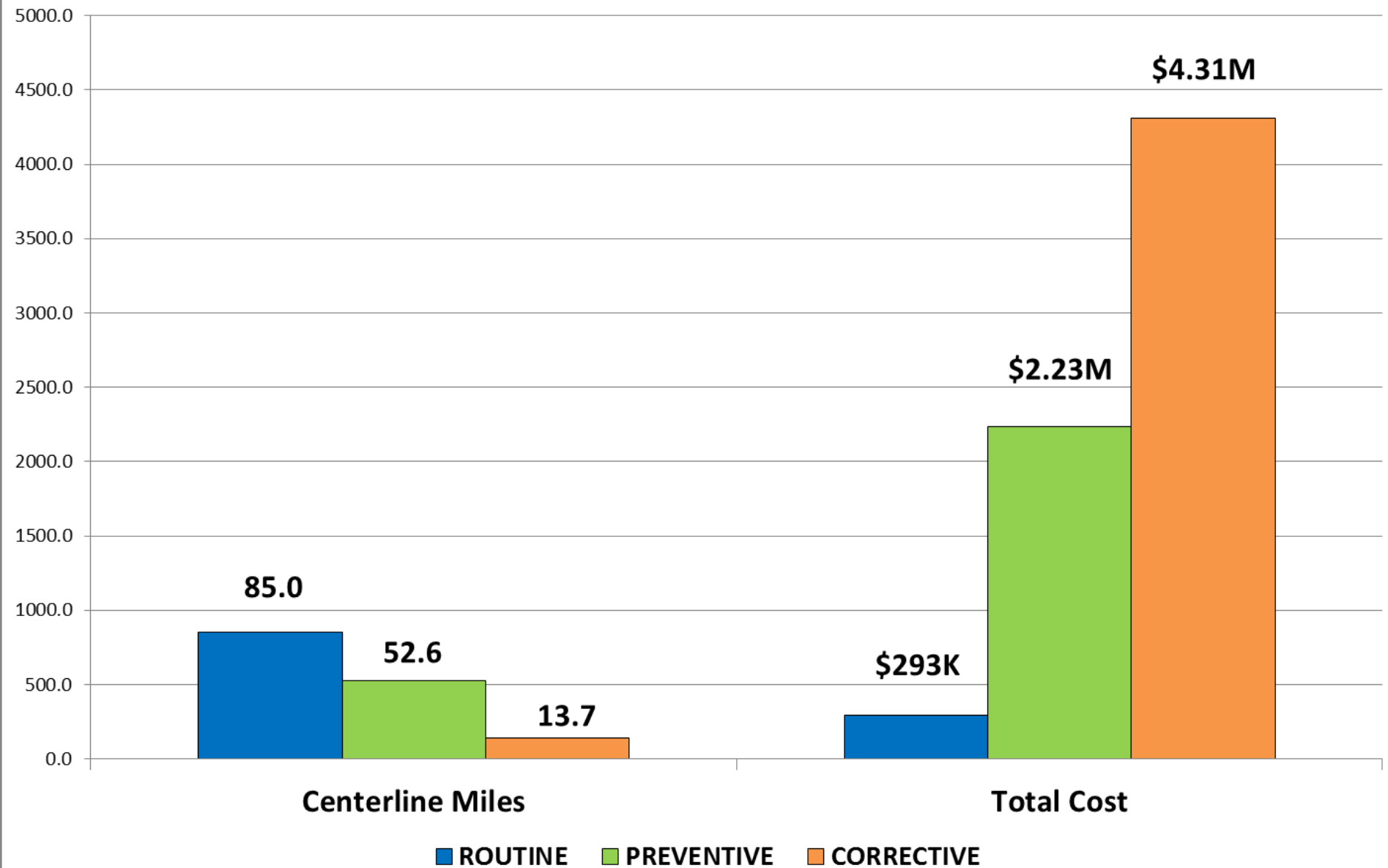
Updated April 2017



Pavement Maintenance Expenditures, by Year & By Type



Miles of Improved Roadway versus Total Expenditures (2014-2017)



Benchmarking

Jurisdiction	Lane-Miles	2017 Pavement Maintenance Budget	Cost/Lane Mile	OCI
Greenwood Village	225	\$2,275,000	\$10,111	81
Golden	242	\$2,119,000	\$8,756	81
Parker	494	\$4,075,000	\$8,249	76
Centennial	979	\$7,700,000	\$7,865	79
Littleton	351	\$2,500,000	\$7,123	66
Castle Rock	640	\$3,940,000	\$6,156	75
Wheat Ridge	283	\$1,600,000	\$5,654	80
Northglenn	230	\$1,250,000	\$5,435	73
Arvada	1,525	\$7,800,000	\$5,115	64
Lakewood	1,345	\$6,700,000	\$4,981	70
Denver	5,647	\$22,800,000	\$4,038	71
Commerce City	540	\$1,900,000	\$3,519	69
Fort Collins	1,901	\$6,580,000	\$3,461	71
Aurora	4,356	\$13,700,000	\$3,145	69



Questions & Discussion
