

2023 Concrete Flatwork (& Sidewalk Connectivity) Program Review & Recommendations

Public Works Capital Improvement & Preservation Plan April 10th, 2023 Council Study Session

Overview

- ➤ Purpose and Need
- ➤ Overall Project Goals
- > Recommendations
- > Funding
- ➤ Next Steps



Purpose and Need

- > Annual maintenance project
 - > Repair/replace substandard concrete infrastructure
 - ➤ Broken curb
 - ➢ Gutter
 - > Sidewalk
 - Concrete panels
 - Concrete cross pans
- ➤ Sidewalk connectivity included in some areas
- > Purpose
 - ➤ Maintain public infrastructure
 - > Improve community appearance
 - ➤ Improve pedestrian motorist safety



Overall Project Goals

- 1) Repair damaged concrete in Pavement Management areas before the mill and overlay construction begins.
- 2) Repair damaged concrete maintained by City being identified through our Customer Relationship Management (CRM) System.
- 3) Replace damaged concrete street panels.
- 4) Construct missing sidewalk to improve pedestrian connections or where priority connections are identified.
- 5) City is responsible for maintenance and improvements of certain concrete flatwork (curb, gutter, handicap ramps, and sidewalks along City owned property, combination sidewalk/curb/gutter)

Note: City Municipal Code requires adjacent private property owner being responsible for maintaining stand alone sidewalk.



Enclave

2023 Concrete Flatwork

North of 88th Avenue



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GIS Maps and geospatial data are available for review at:

by Denver Regional Council of Governments(DRCOG)

Denver Regional Aerial Photography Project (DRAPP) is facilitated

City of Commerce City, GIS Division

Miles

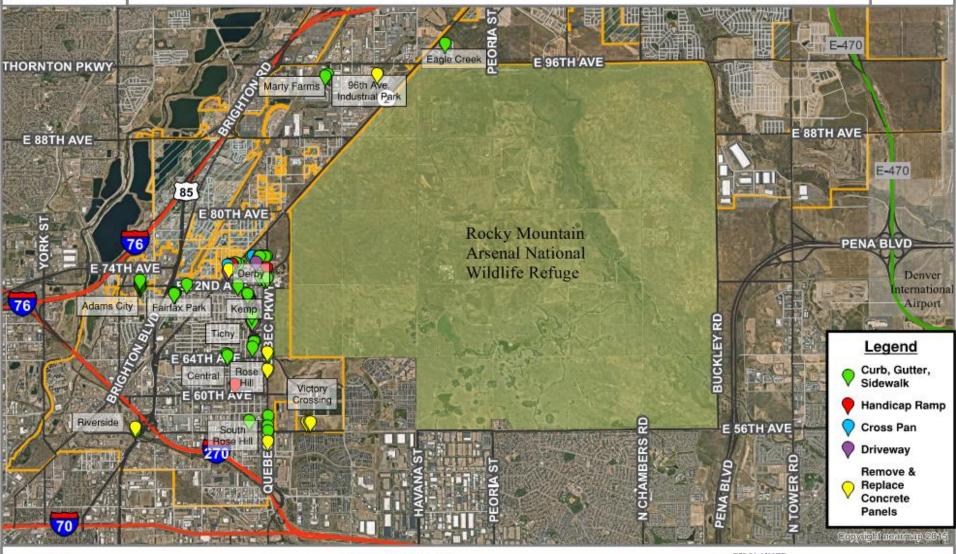
7887 E 60th Ave, Commerce City, CO 80022 303-289-3737 GIS@c3gov.com www.c3gov.com



2023 Concrete Flatwork

South of 88th Avenue





6 Commerce City Boundary Enclave Miles

GIS Maps and geospatial data are available for review at:
City of Commerce City, GIS Division
7887 E 60th Ave, Commerce City, CO 80022
303-289-3737 GIS@c3gov.com www.c3gov.com
Denver Regional Aerial Photography Project (DRAPP) is facilitated
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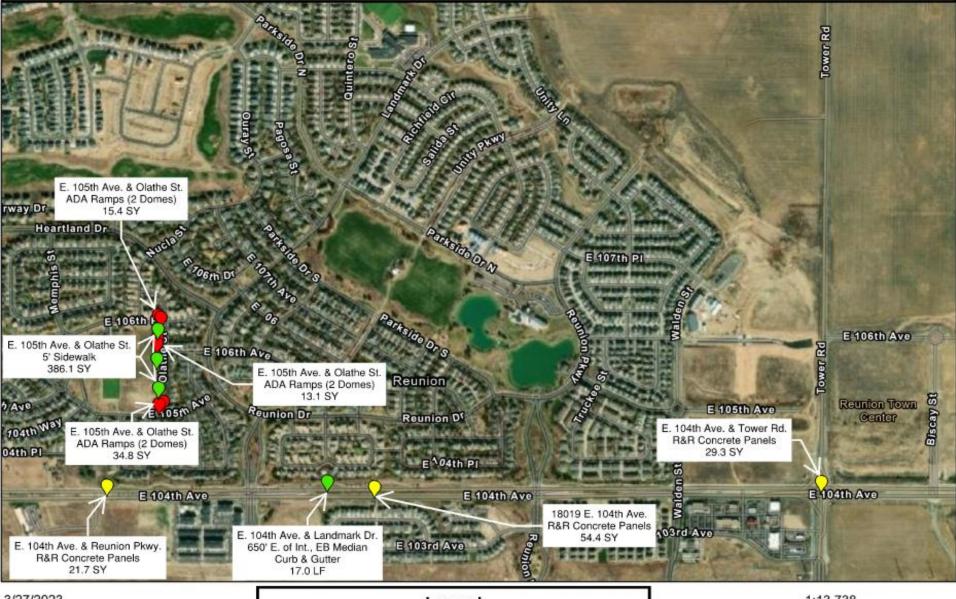
Last Updated: 10/28/2022

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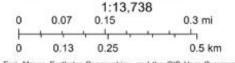
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2023 Reunion Concrete Flatwork Map





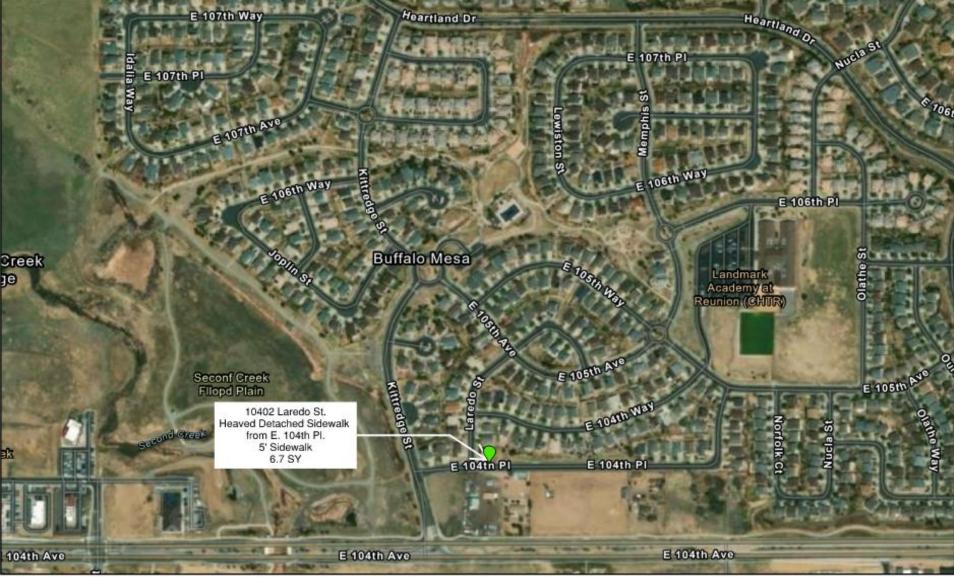




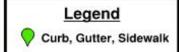
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap

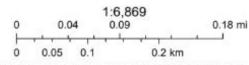
2023 Buffalo Mesa Concrete Flatwork Map





3/27/2023





2023 Di Giorgio Concrete Flatwork Map CITY tine Murray Gruenwald E 108th Ave Belle Creek E 107th PI Belle Creek Di Glorgio E 106th Ave Fitzgera E 105th A E. 104th Ave. & Florence St. Handicap Ramp (2 Domes) 20.0 SY E. 104th Ave. & Florence St. Heaved Detached Sidewalk 6' Sidewalk E 105th Ct Belle Creek 10.7 SY E 104th Ave E 104th Ave E 104th Av E 104th Ave 3/27/2023 1:13,738 Legend 0.3 mi 0.07

Handicap Ramp

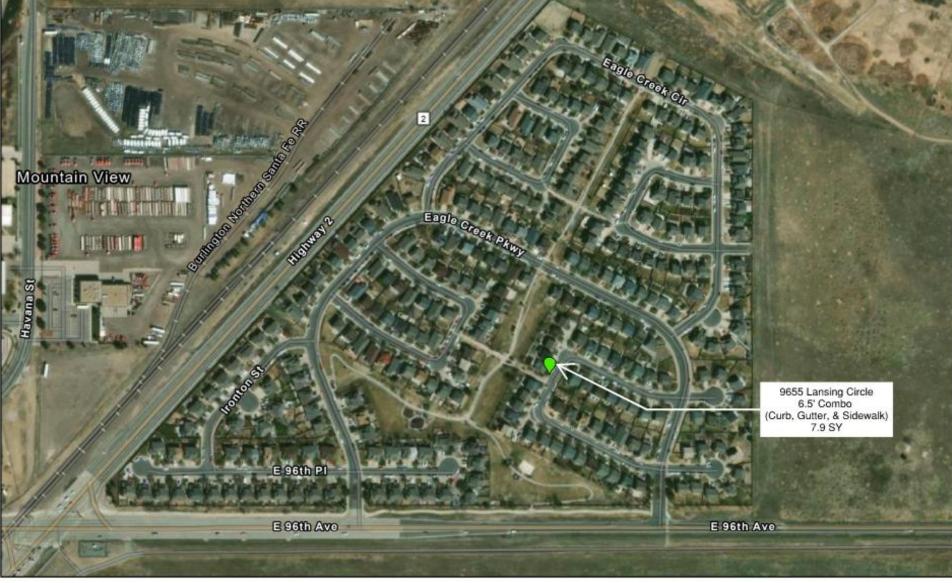
Curb, Gutter, Sidewalk

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap

0.5 km

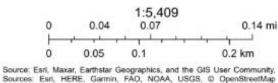
2023 Eagle Creek Concrete Flatwork Map





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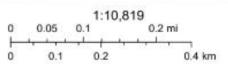
2023 96th Avenue Industrial Park Concrete Flatwork Map





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2023 Marty Farms Concrete Flatwork Map



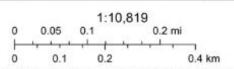


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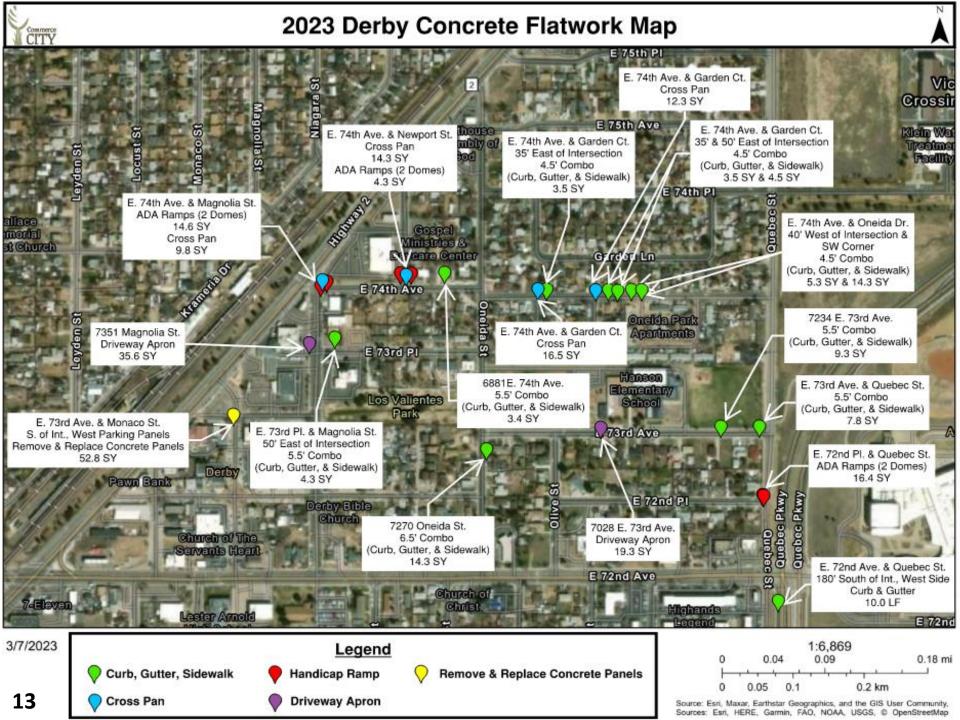


Curb, Gutter, Sidewalk

Legend



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2023 Kemp North Concrete Flatwork Map Aligh Low Medicet Adams Othy High School Pawn Bank E. 72nd Ave. & Poplar St. E 72nd PI 50' South of Intersection 5.5' Combo church of The (Curb, Gutter, & Sidewalk) Servants Heart 12.2 SY Highands Lester Arnold Legend E 72nd Ave High School Aparlments 7080 Magnolia St. Curb & Gutter Poplar Grove 40.0 LF Health Care Otr E 71st Ave E 71st AVC Victory Crossing E-70TE PI Quebec Pkwy E 70th Ave 6950 Olive St. E 70th Ave 6.5' Combo 6941 & 6961 Olive St. (Curb, Gutter, & Sidewalk) E. 70th Pl. & Magnolia St. 6.5' Combo 9.0 SY 40' & 80' North of Intersection (Curb, Gutter, & Sidewalk) Curb & Gutter E 69th PI 29.2 SY & 20.2 SY 10.0 LF At Each Location 6820 Olive St. 6.5' Combo E 69th Ave (Curb, Gutter, & Sidewalk) 29.2 SY 6801 Olive St. Driveway Apron 6.5' Combo 19.8 SY (Curb, Gutter, & Sidewalk) E 68th PI 9.3 SY 6795 Olive St. 6785 Olive St. Driveway Apron 6786 Olive St.

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E 68th Ave



16.3 SY

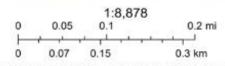
Elementar

6.5' Combo

(Curb, Gutter, & Sidewalk)

15.6 SY

Driveway Apron 14.4 SY



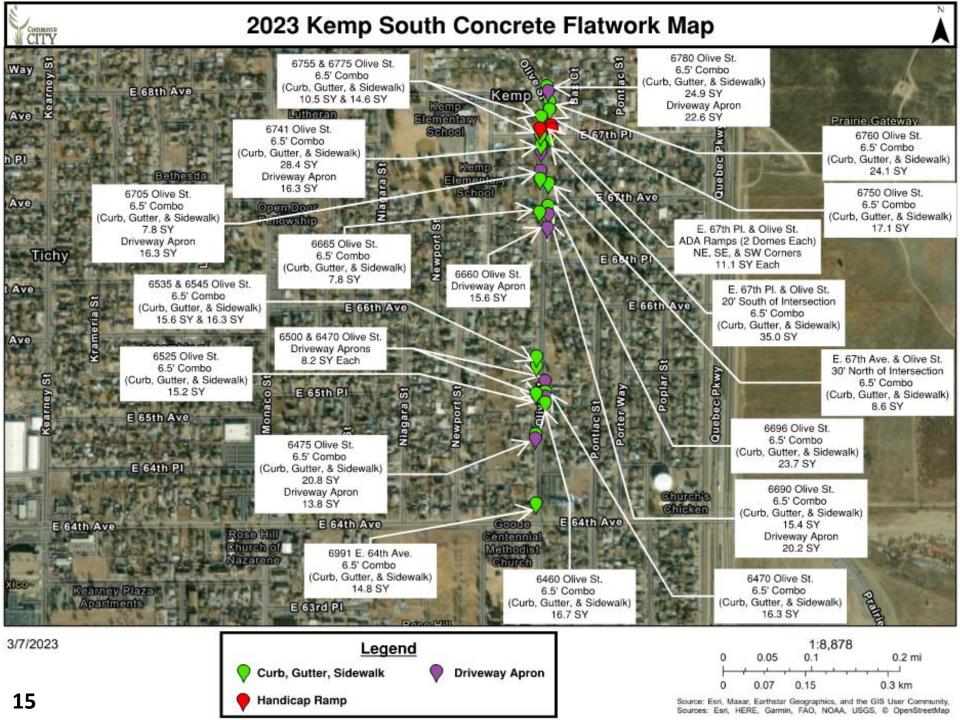
Prairie Gateway

6.5' Combo

(Curb, Gutter, & Sidewalk)

30.3 SY

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2023 Fairfax Park Concrete Flatwork Map

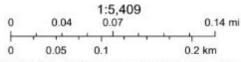




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Legend

Curb, Gutter, Sidewalk



COMMERCE

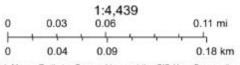
2023 Adams City Concrete Flatwork Map





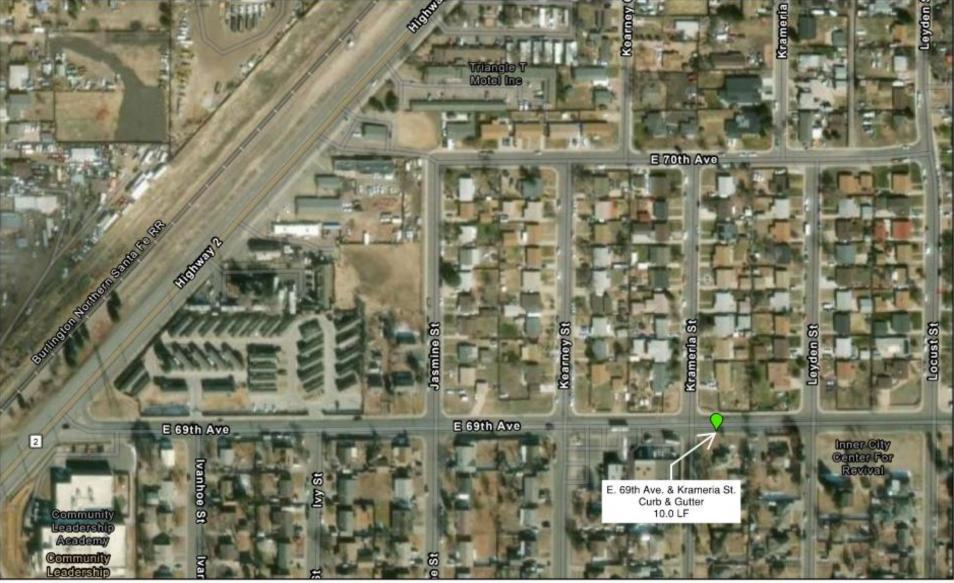
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2023 Tichy Concrete Flatwork Map

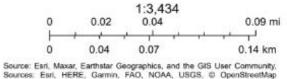




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Curb, Gutter, Sidewalk





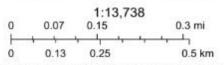
2023 Victory Crossing Concrete Flatwork Map





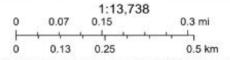
3/10/2023





2023 Rose Hill Concrete Flatwork Map E 64th Ave Quebec Pkwy. & Prairie Pkwy SB Median E. 64th Ave. & Quebec Parkway E 63rd PI 115' S. & 385' S. of Int. 75' South of Intersection Median Curb Southbound Lane 17.0 LF & 23.0 LF E 63rd Ave R&R Concrete Panels 17.7 SY Pratrie Catewa Open Space E 62nd Ave Victory Grossing Keamey Middle Prairie Pkwy E 61st Ave Olivie Center E. 60th Ave. & Monaco St. ω E 60th PI 320' E. of Int., North Side ADA Ramps (2 Domes) Commerce Victory Rose Hill 16.7 SY Each E 60th Ave City Crossing Victory Grossing Pioneer Park E 59th PI E 59th PI E 59th Ave E. 62nd Ave. & Quebec Parkway 6821 E. 58th Ave. 200' South of Intersection. Dick's 4.5' Combo Southbound Lanes Goo (Curb, Gutter, & Sidewalk) R&R Concrete Panels 3.5 SY 56.0 SY E 58th Ave Valentia St Rose Hill Elementary E. 56th Ave. & Quebec Pkwy. NB Median just North of Int. Median Curb & Gutter

3/10/2023 Legend Curb, Gutter, Sidewalk Remove & Replace Concrete Panels Handicap Ramp 20



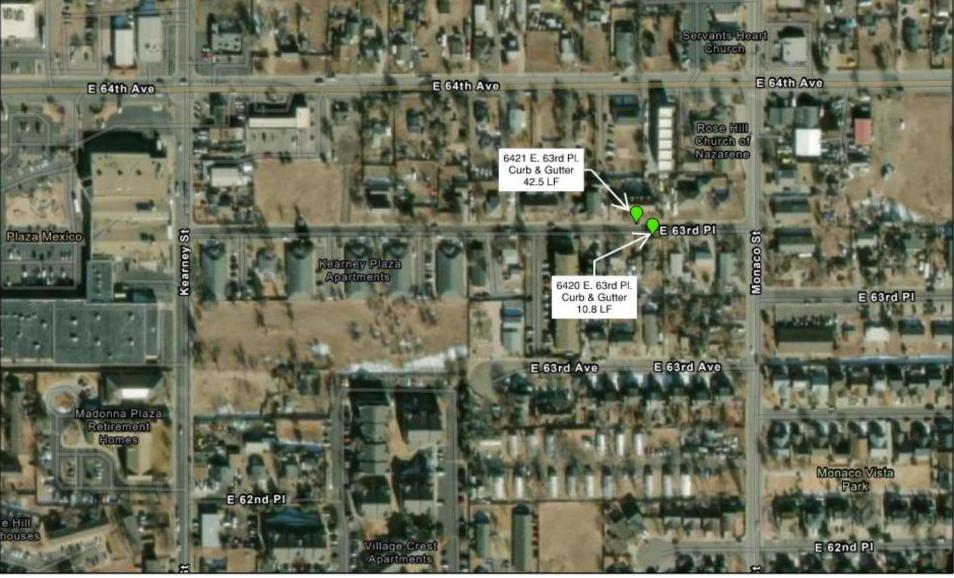
E 56th Ave

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72.0 LF Combined

2023 Central Concrete Flatwork Map



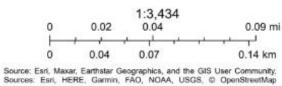


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Curb, Gutter, Sidewalk

Legend



2023 South Rose Hill Concrete Flatwork Map

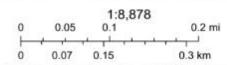




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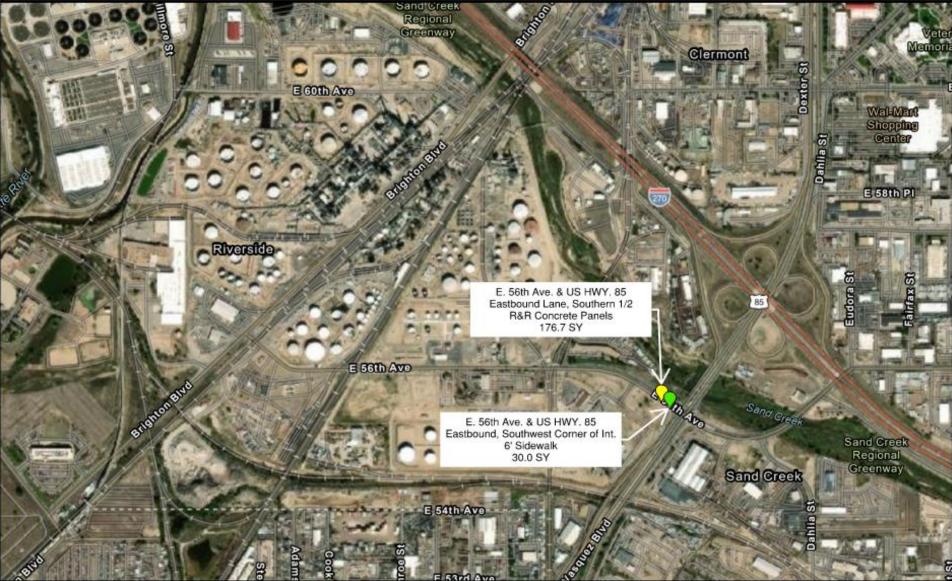






2023 Riverside Concrete Flatwork Map





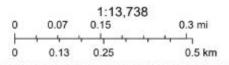
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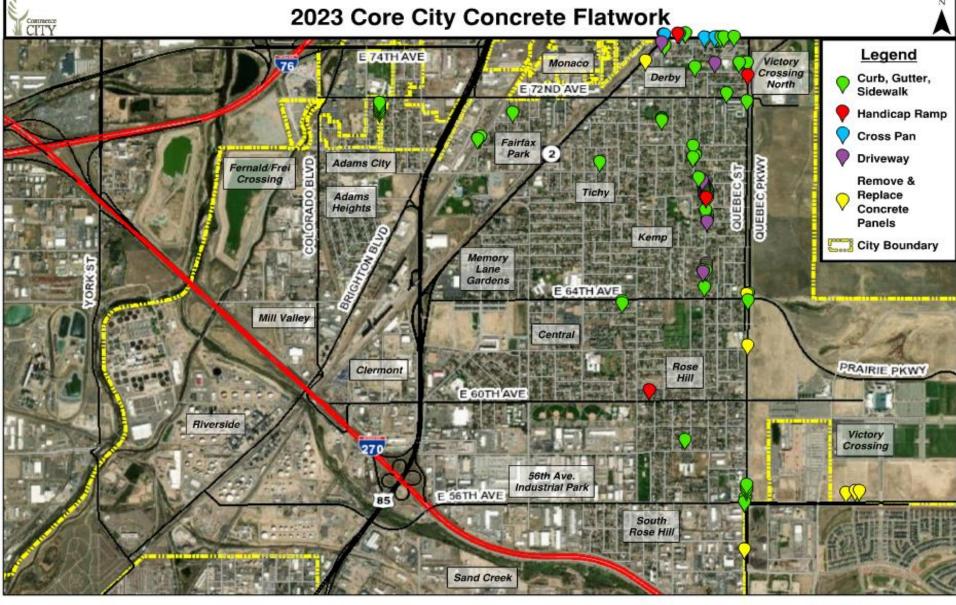
Curb, Gutter, Sidewalk

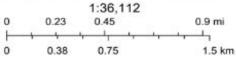


Remove & Replace Concrete Panels



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Total Concrete Flatwork

2023 Concrete Flatwork Program Estimated Cost Breakdown By Area								
Improvement Area	Estimated Cost (\$)		Improvement Area	Estimated Cost (\$)				
Reunion	\$	70,792.35	Kemp	\$	82,536.05			
Marty Farms	\$	3,538.08	Adams City	\$	8,073.84			
96th Avenue Industrial Park	\$	46,483.20	Rose Hill	\$	24,029.24			
Eagle Creek	\$	887.36	South Rose Hill		21,427.12			
Central	\$	3,220.56	Victory Crossing		30,817.10			
Tichy	\$	604.80	Riverside		32,961.47			
Derby	\$	35,030.25	Buffalo Mesa	\$	751.20			
Fairfax Park	\$	6,406.42	Di Giorgio	\$	3,920.52			

Core City - approx. \$294K Northern Range - approx. \$152K

	Total Estimated Cost	\$	445,775.44
	Contingency (20%)	\$	74,295.91
	Estimated Cost Sub-Total	\$	371,479.53
_	DI Giorgio		3,920.52



Funding

2023 Concrete Flatwork Total Estimated Cost				
Concrete Flatwork	\$ 219,781.52			
Core City Improvements	\$ 99,589.44			
Sidewalk Connectivity	\$ 52,108.57			
Estimated Sub-Total	\$ 371,479.53			
20% Contingency Added	\$ 74,295.91			
Total Estimated Cost	\$ 445,775.44			

Available Funding Sources

	2023 Concrete Flatwork Budget	\$ 250,000.00
\triangleright	2023 Sidewalk Connectivity Budget	\$ 96,000.00
\triangleright	2023 Core City Improvements	\$ 100,000.00
	Total Budget	\$ 446,000.00

Note:

Core City Improvements Budget is \$250,000. We are proposing to use \$100K in Concrete Flatwork Program and \$150K in Pavement Management Program



Next Steps

1) Advertise a request for bid for this year's Concrete Flatwork Program

2) Bring contract to City Council in May 2023

3) Work anticipated to start June 2023





Questions?