



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

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Public Works Capital Improvement & Preservation Plan  
*April 10<sup>th</sup>, 2023 Council Study Session*

# Overview

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



# Purpose and Need

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- 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

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- 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.





# 2023 Concrete Flatwork North of 88th Avenue



**Legend**

-  Curb, Gutter, Sidewalk
-  Handicap Ramp
-  Cross Pan
-  Driveway
-  Remove & Replace Concrete Panels

-  Commerce City Boundary
-  Enclave

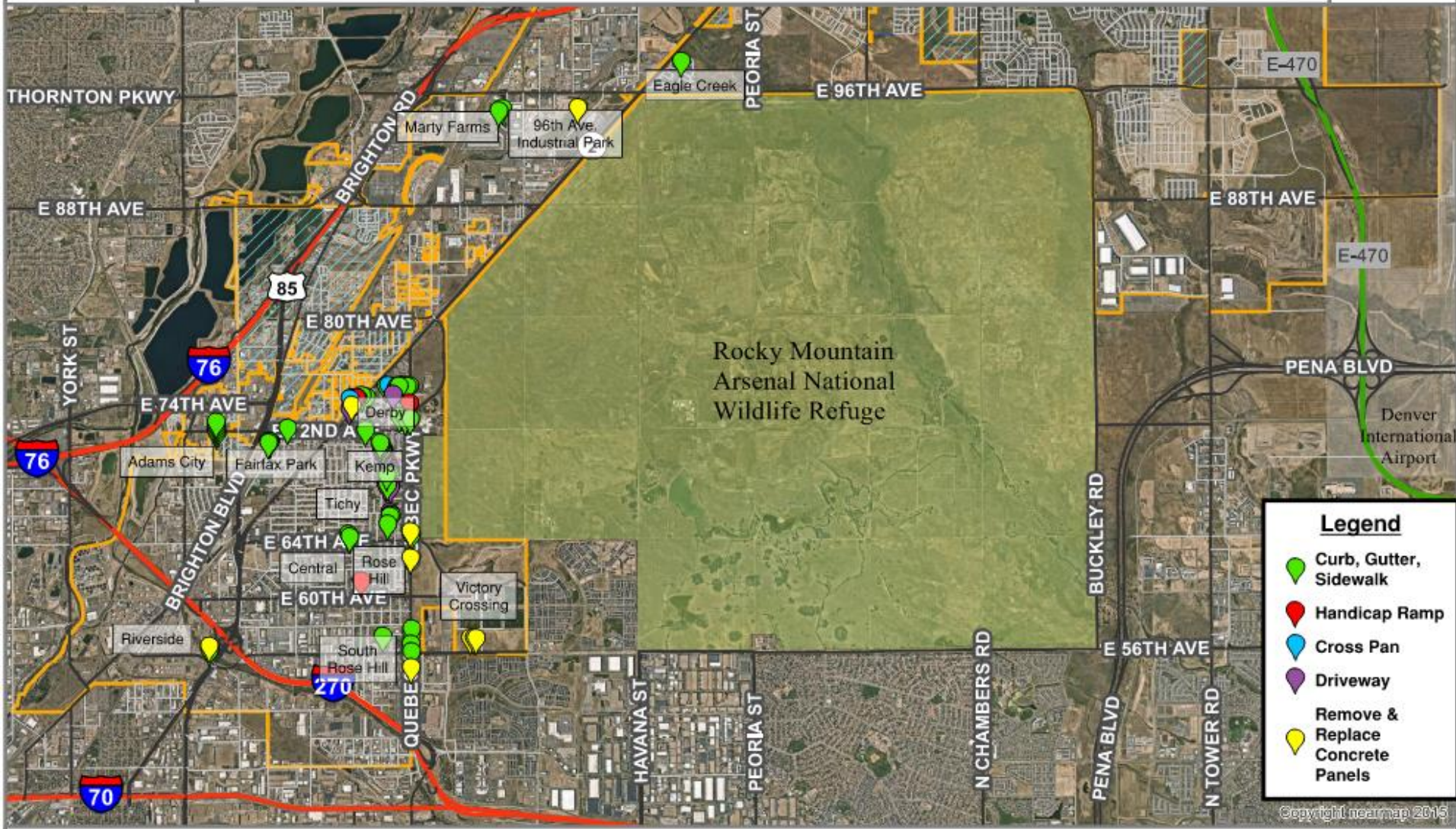


Last Updated: 10/26/2022  
 GIS Maps and geospatial data are available for review at:  
 City of Commerce City, GIS Division  
 7887 E 60th Ave, Commerce City, CO 80022  
 303-289-3737 GIS@c3gov.com www.c3gov.com  
 Denver Regional Aerial Photography Project (DRAPP) is facilitated  
 by Denver Regional Council of Governments (DRCOG)

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# 2023 Concrete Flatwork South of 88th Avenue



**Legend**

-  Curb, Gutter, Sidewalk
-  Handicap Ramp
-  Cross Pan
-  Driveway
-  Remove & Replace Concrete Panels

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-  Commerce City Boundary
-  Enclave

6

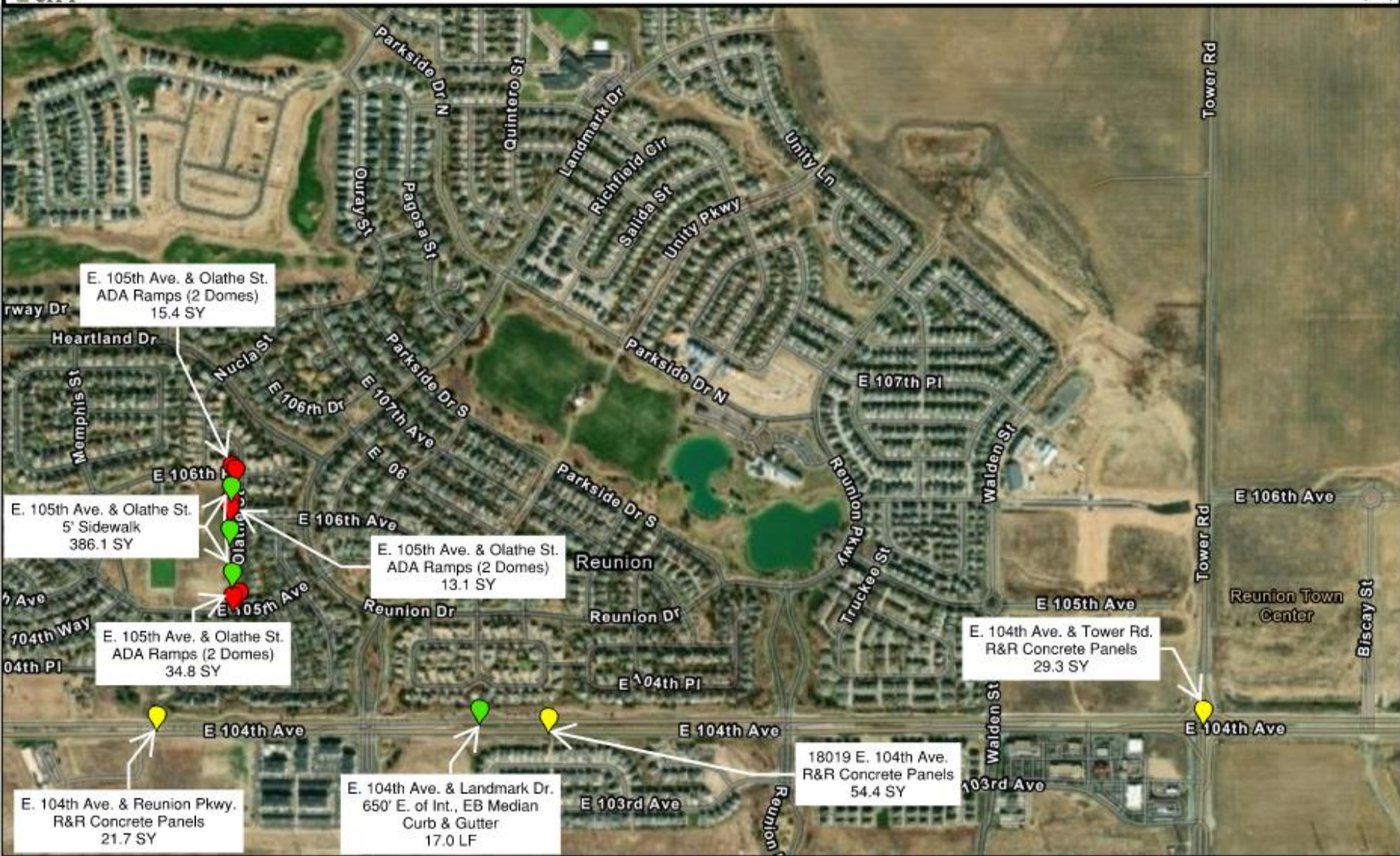


Last Updated: 10/28/2022  
 GIS Maps and geospatial data are available for review at:  
 City of Commerce City, GIS Division  
 7887 E 60th Ave, Commerce City, CO 80022  
 303-289-3737 [GIS@c3gov.com](mailto:GIS@c3gov.com) [www.c3gov.com](http://www.c3gov.com)  
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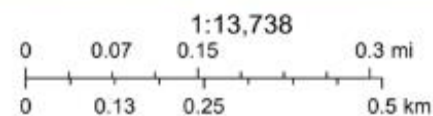
# 2023 Reunion Concrete Flatwork Map



3/27/2023

**Legend**

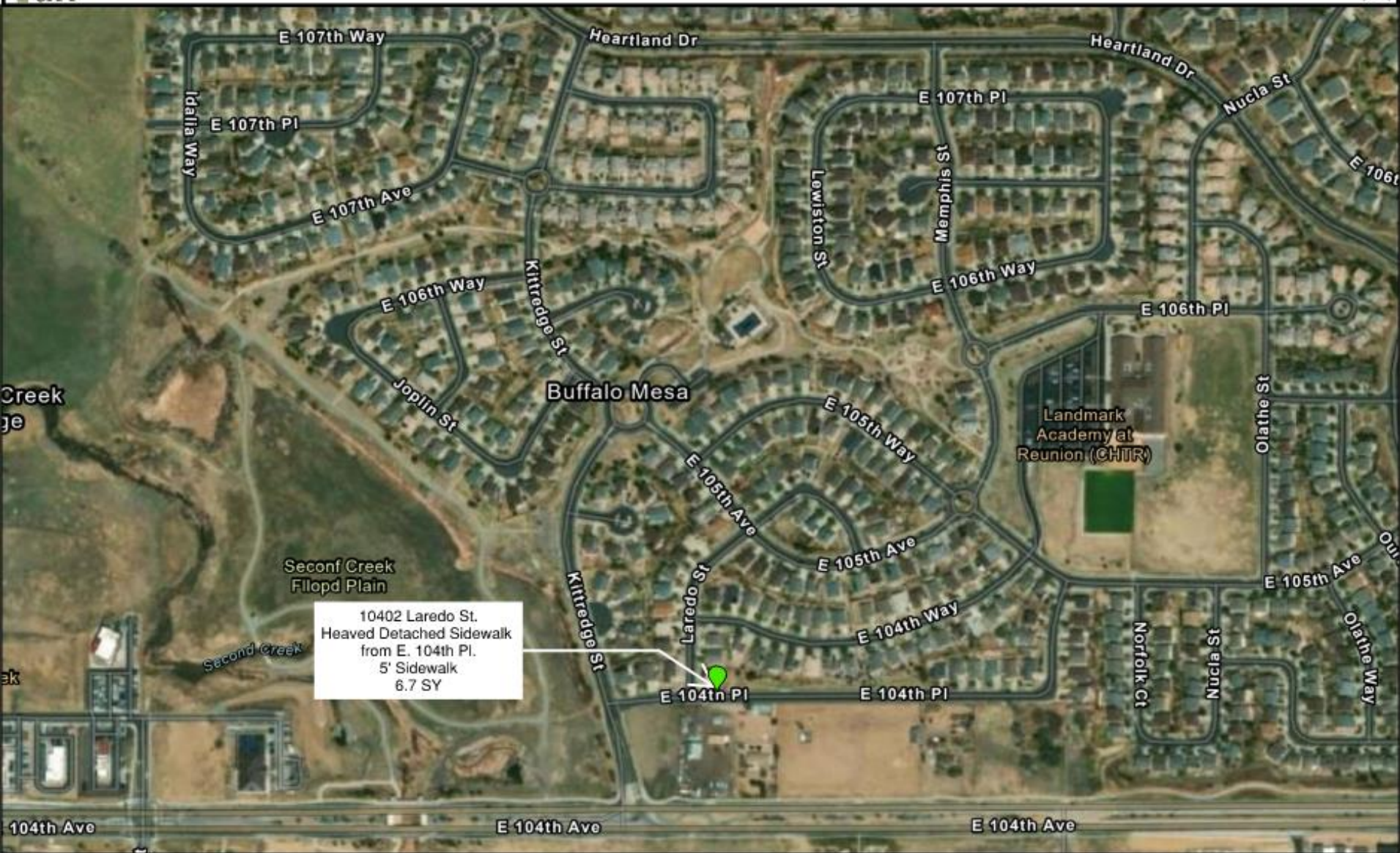
 Curb, Gutter, Sidewalk	 Handicap Ramp
 Remove & Replace Concrete Panels	



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



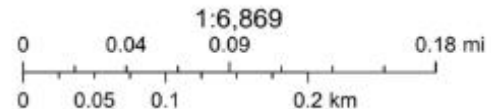
# 2023 Buffalo Mesa Concrete Flatwork Map



3/27/2023

**Legend**

 Curb, Gutter, Sidewalk



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

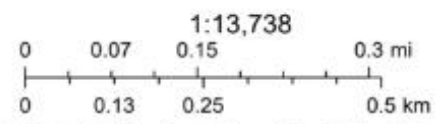


# 2023 Di Giorgio Concrete Flatwork Map



3/27/2023

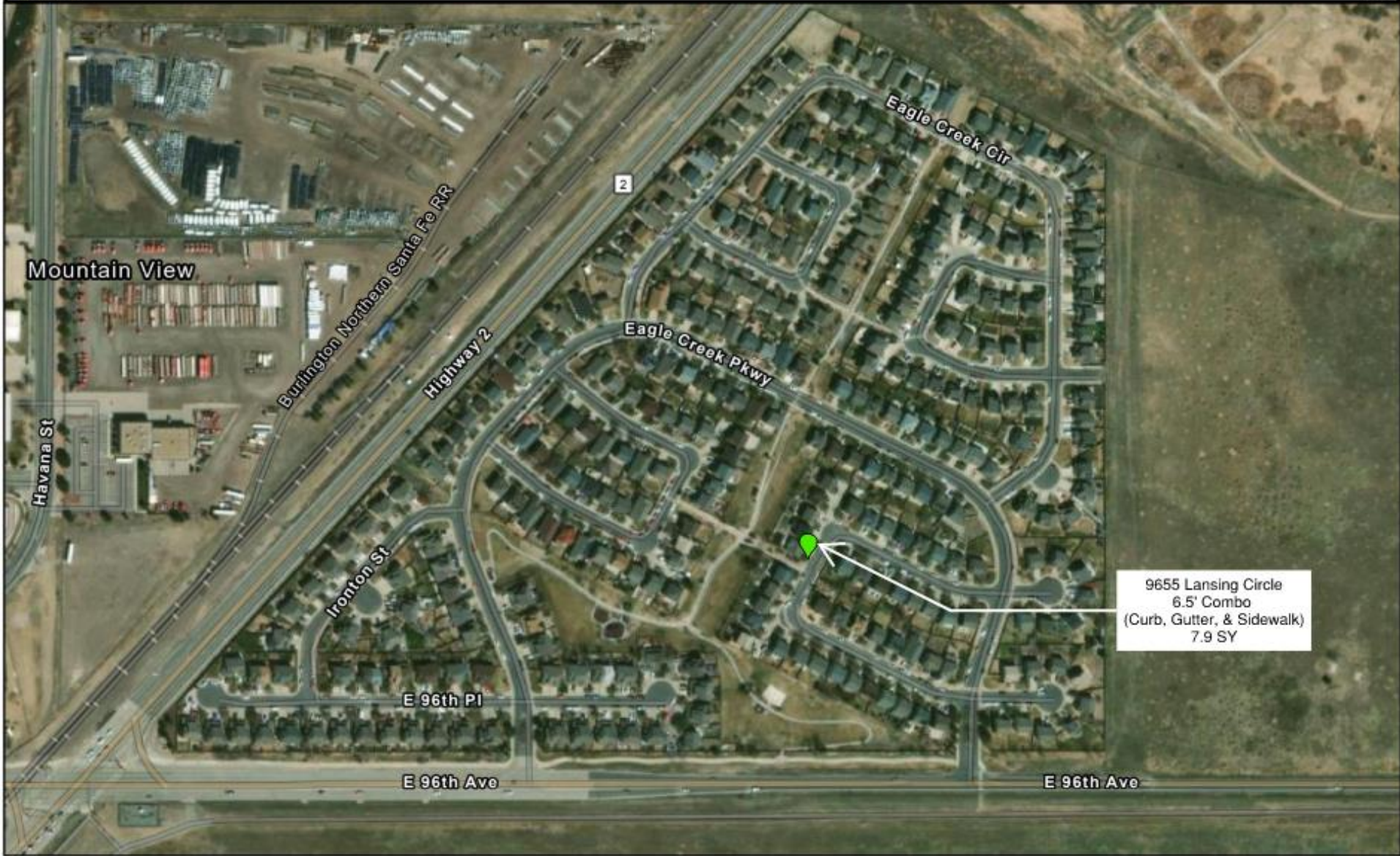
Legend	
	Curb, Gutter, Sidewalk
	Handicap Ramp



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



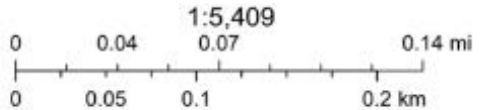
# 2023 Eagle Creek Concrete Flatwork Map



9655 Lansing Circle  
6.5' Combo  
(Curb, Gutter, & Sidewalk)  
7.9 SY

**Legend**

 Curb, Gutter, Sidewalk



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

3/7/2023



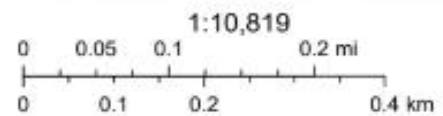
# 2023 96th Avenue Industrial Park Concrete Flatwork Map



3/7/2023

**Legend**

 Remove & Replace Concrete Panels



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



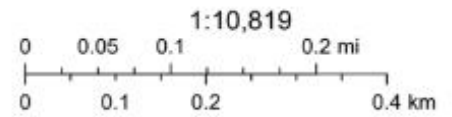
# 2023 Marty Farms Concrete Flatwork Map



3/7/2023

**Legend**

 Curb, Gutter, Sidewalk



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



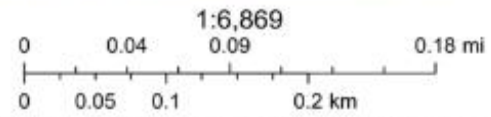
# 2023 Derby Concrete Flatwork Map



3/7/2023

## Legend

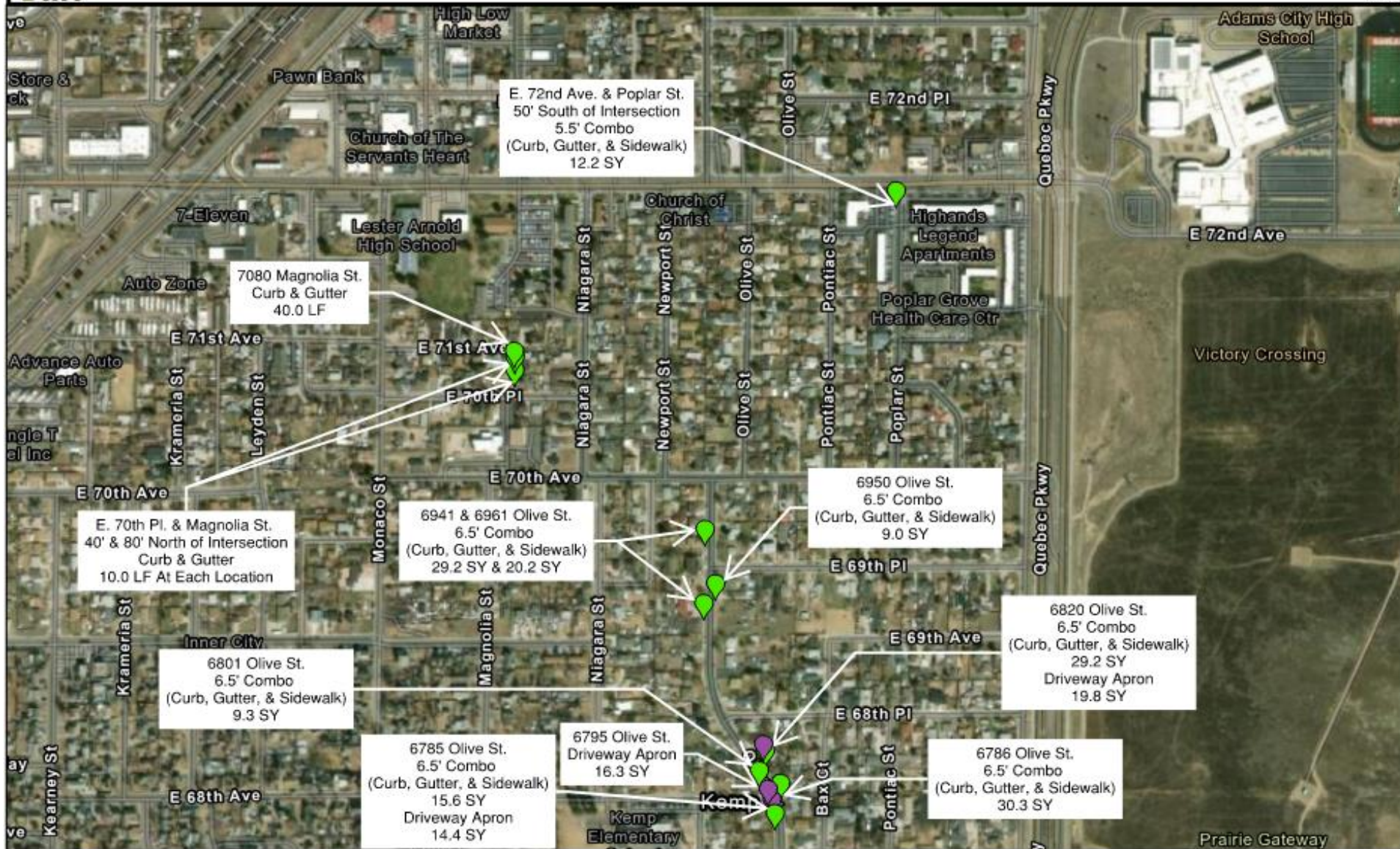
- Curb, Gutter, Sidewalk
- Handicap Ramp
- Remove & Replace Concrete Panels
- Cross Pan
- Driveway Apron



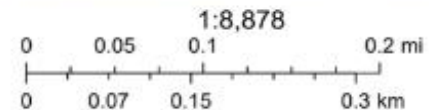
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community. Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap



# 2023 Kemp North Concrete Flatwork Map



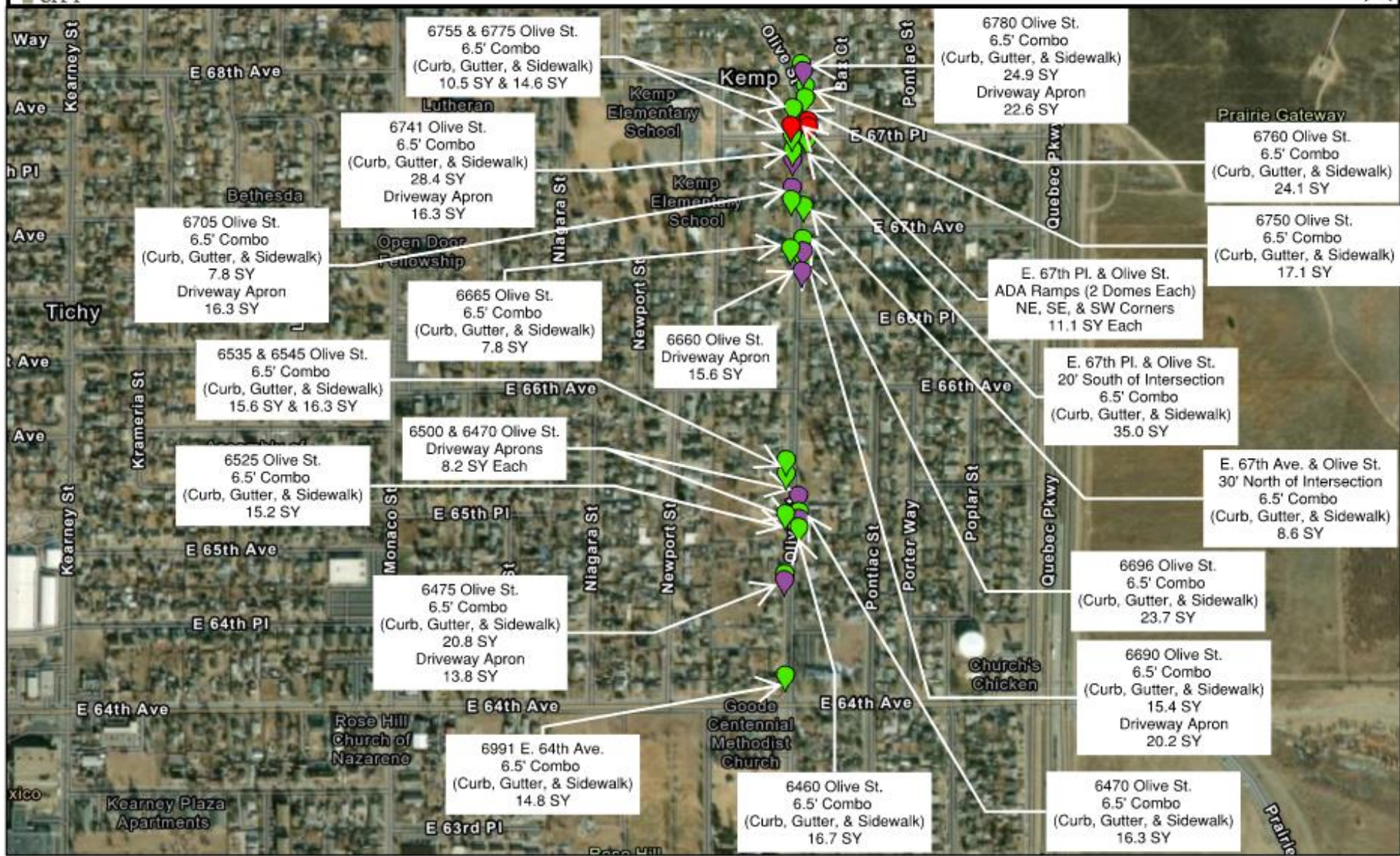
3/7/2023



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



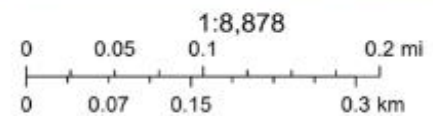
# 2023 Kemp South Concrete Flatwork Map



3/7/2023

**Legend**

- Curb, Gutter, Sidewalk
- Driveway Apron
- Handicap Ramp



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



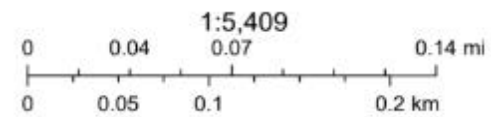
# 2023 Fairfax Park Concrete Flatwork Map



3/7/2023

**Legend**

Curb, Gutter, Sidewalk



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



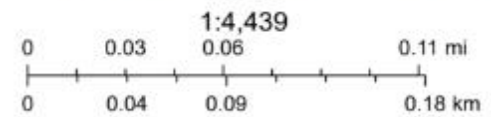
# 2023 Adams City Concrete Flatwork Map



3/7/2023

**Legend**

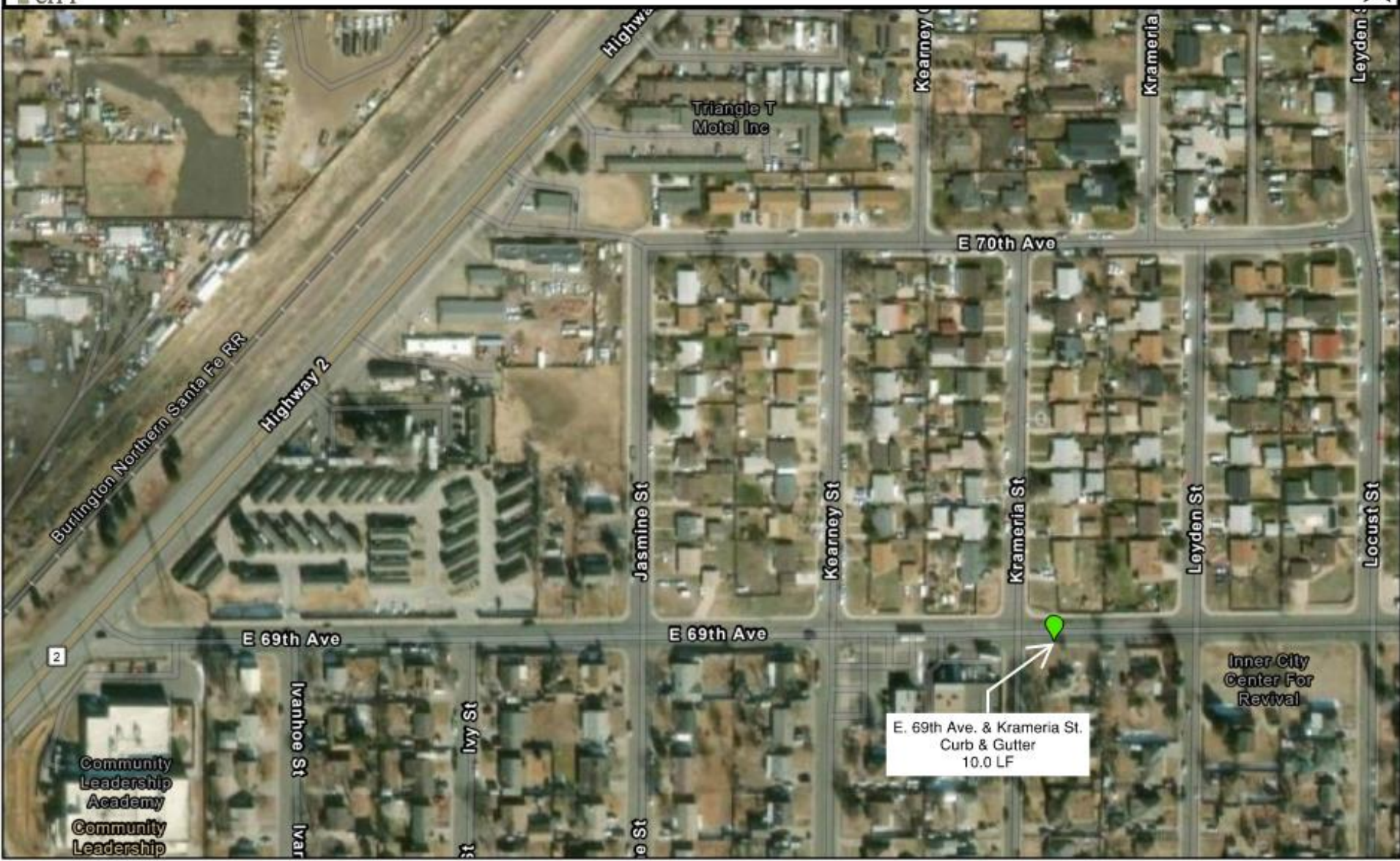
Curb, Gutter, Sidewalk



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



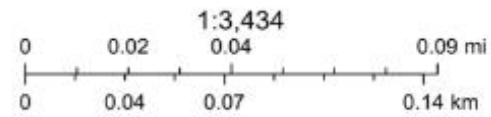
# 2023 Tichy Concrete Flatwork Map



3/7/2023

**Legend**

 Curb, Gutter, Sidewalk



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Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap



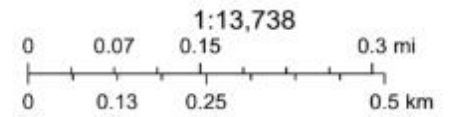
# 2023 Victory Crossing Concrete Flatwork Map



3/10/2023

**Legend**

 Remove & Replace Concrete Panels



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

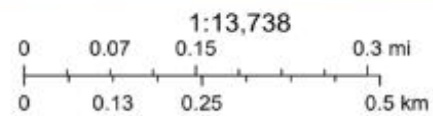


# 2023 Rose Hill Concrete Flatwork Map



3/10/2023

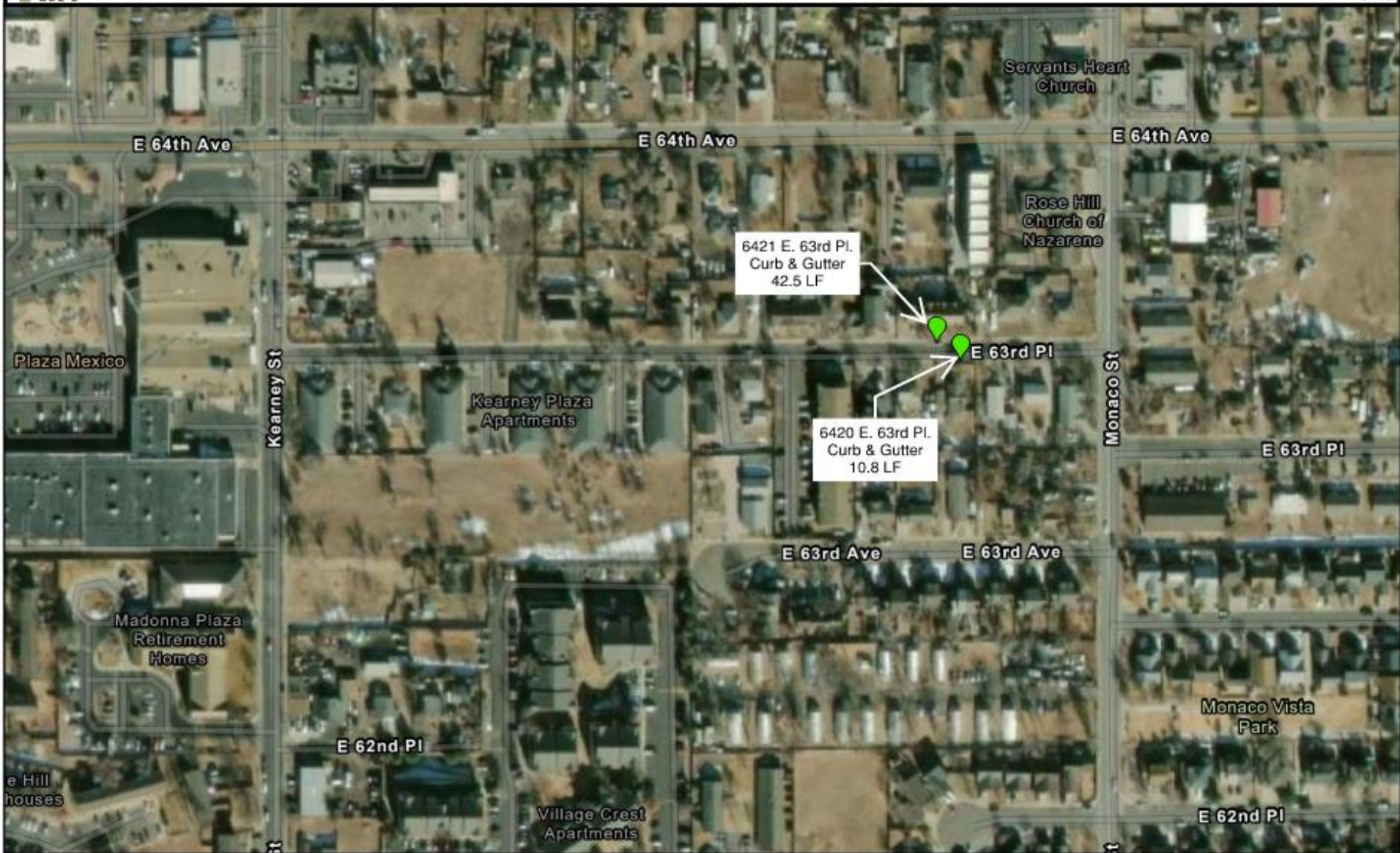
Legend	
	Curb, Gutter, Sidewalk
	Remove & Replace Concrete Panels
	Handicap Ramp



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



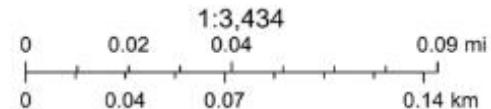
# 2023 Central Concrete Flatwork Map



3/7/2023

**Legend**

 Curb, Gutter, Sidewalk



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



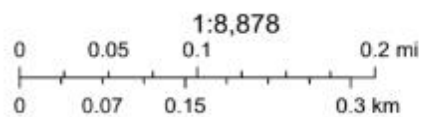
# 2023 South Rose Hill Concrete Flatwork Map



3/7/2023

**Legend**

● Curb, Gutter, Sidewalk      ● Remove & Replace Concrete Panels



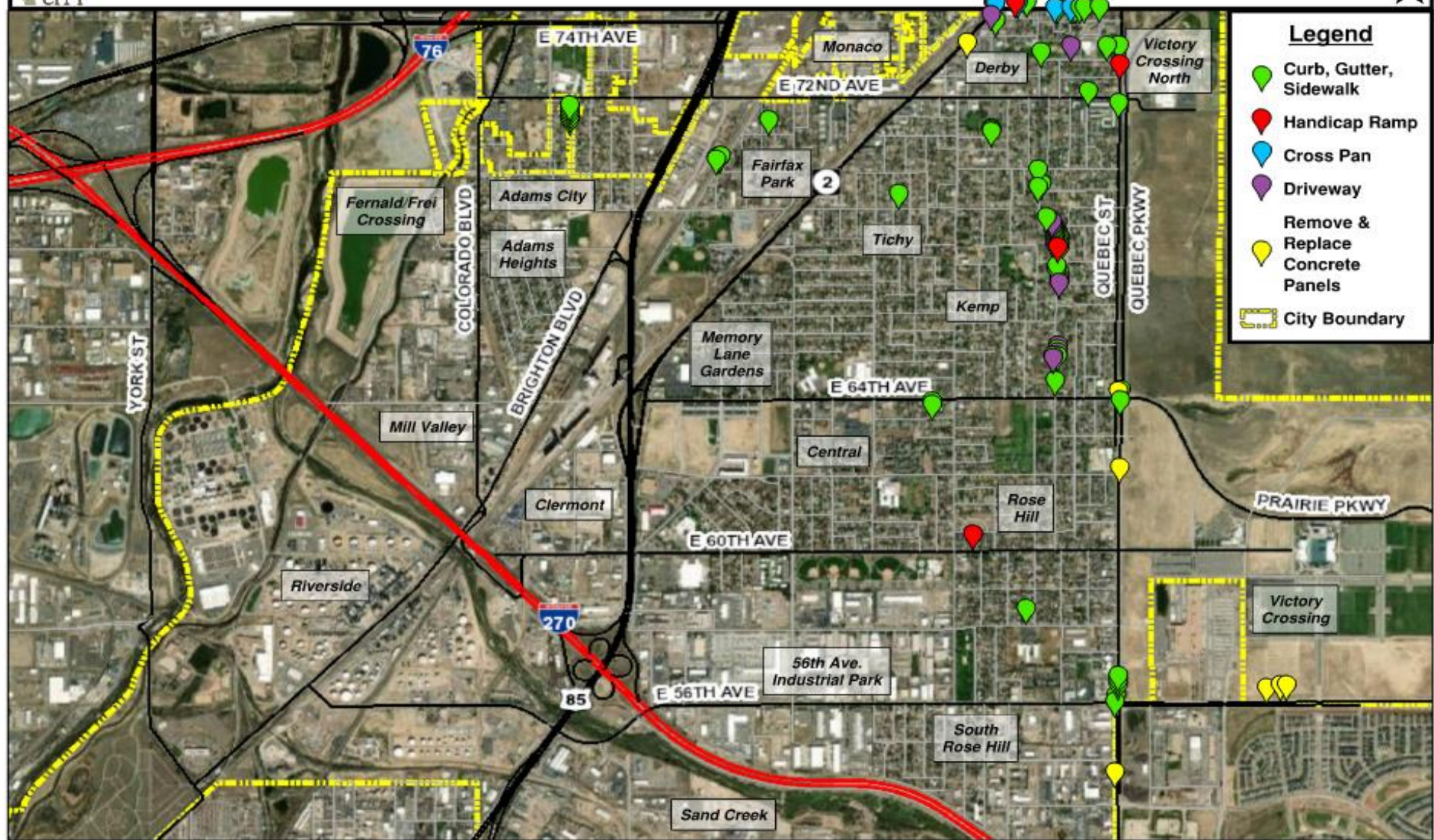
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community. Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap





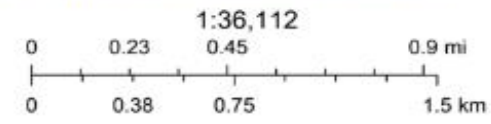


# 2023 Core City Concrete Flatwork



**Legend**

- Curb, Gutter, Sidewalk
- Handicap Ramp
- Cross Pan
- Driveway
- Remove & Replace Concrete Panels
- City Boundary



Maxar



# Total Concrete Flatwork

<i>2023 Concrete Flatwork Program Estimated Cost Breakdown By Area</i>			
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
<b>Estimated Cost Sub-Total</b>			<b>\$ 371,479.53</b>
Contingency (20%)			\$ 74,295.91
<b>Total Estimated Cost</b>			<b>\$ 445,775.44</b>

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





# Funding

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

## Available Funding Sources

- 2023 Concrete Flatwork Budget \$ 250,000.00
- 2023 Sidewalk Connectivity Budget \$ 96,000.00
- 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

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- 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?***

