



2021 Concrete Flatwork Program Recommendations

Overview

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



Purpose and Need

- This is the annual maintenance project to repair or replace damaged curb, gutter, sidewalk, concrete panels, and concrete cross pans.
 - To maintain public infrastructure and to improve community appearance by repairing and replacing broken concrete.



Overall Project Goals

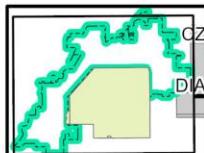
- City is responsible for maintenance and improvements of concrete flatwork (sidewalks, curb, gutter, and handicap ramps)
- Repair damaged concrete in Pavement Management areas before mill and overlay begins
- Repair damaged concrete that has been identified through our Customer Relationship Management (CRM) system
- Replace damaged concrete street panels
- Construct missing sidewalk to improve pedestrian connections



City of Commerce City
Concrete Flatwork

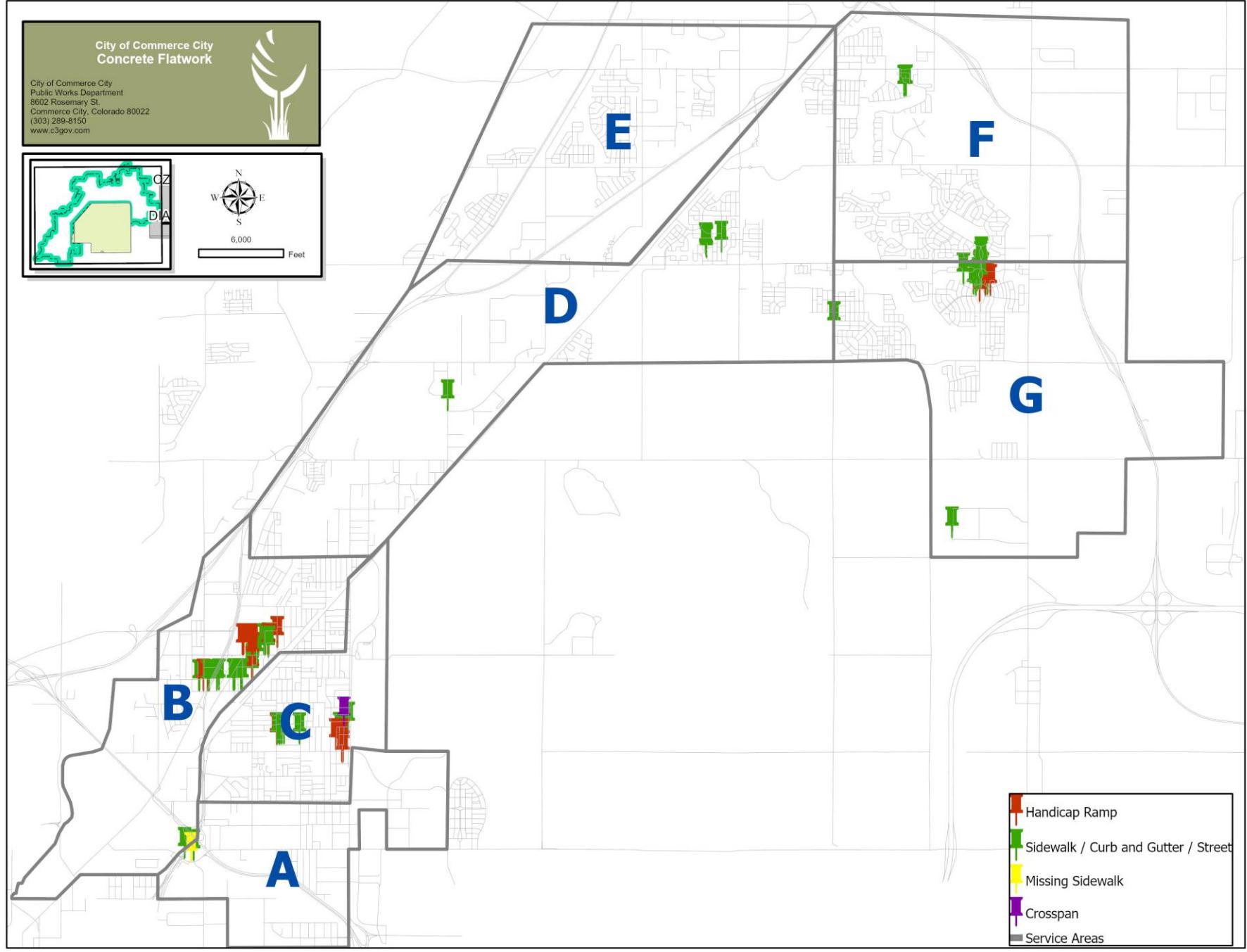


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Recommendations/Concrete Flatwork

Location	Improvement	Quantity	Unit (SY) or (LF)	Unit Cost	Estimated Cost	Fund
Holly St and 71st	HC Ramp	6.7	SY	\$168.50	\$1,128.95	Concrete Flatwork
7051 Holly St	4' Combo (Curb, Gutter, Sidewalk)	47.5	LF	\$123.00	\$5,842.50	Concrete Flatwork
7031 Holly St	4' Combo (Curb, Gutter, Sidewalk)	37.5	LF	\$123.00	\$4,612.50	Concrete Flatwork
7021 Holly St	4' Combo (Curb, Gutter, Sidewalk)	10.0	LF	\$123.00	\$1,230.00	Concrete Flatwork
70th and Holly St	HC Ramp	6.7	SY	\$168.50	\$1,128.95	Concrete Flatwork
6889 Holly St	4' Combo (Curb, Gutter, Sidewalk)	10.0	LF	\$123.00	\$1,230.00	Concrete Flatwork
6996 Holly St	4' Combo (Curb, Gutter, Sidewalk)	20.0	LF	\$123.00	\$2,460.00	Concrete Flatwork
7070 Holly St	4' Combo (Curb, Gutter, Sidewalk)	30.0	LF	\$123.00	\$3,690.00	Concrete Flatwork
7080 Holly St	Curb & Gutter	8.0	LF	\$38.00	\$304.00	Concrete Flatwork
7110 Holly St	4' Combo (Curb, Gutter, Sidewalk)	10.0	LF	\$123.00	\$1,230.00	Concrete Flatwork
71st Pl and Holly St	HC Ramp	6.7	SY	\$168.50	\$1,128.95	Concrete Flatwork
72nd Pl and Holly St	4' Combo (Curb, Gutter, Sidewalk)	10.0	LF	\$123.00	\$1,230.00	Concrete Flatwork
7134 71st Pl	Driveway	6.7	SY	\$157.00	\$1,051.90	Concrete Flatwork
69th Ave (70' East of Dexter)	4' Combo (Curb, Gutter, Sidewalk)	5.0	LF	\$123.00	\$615.00	Concrete Flatwork
69th Ave (90' East of Dexter)	4' Combo (Curb, Gutter, Sidewalk)	10.0	LF	\$123.00	\$1,230.00	Concrete Flatwork
69th and Dahlia (SW Corner)	HC Ramp	8.7	SY	\$168.50	\$1,465.95	Concrete Flatwork
69th and Dahlia (NW Corner)	HC Ramp	12.7	SY	\$168.50	\$2,139.95	Concrete Flatwork
69th and Hwy 6/85 (SE Corner)	Sidewalk	16.6	SY	\$52.50	\$871.50	Concrete Flatwork
69th (70' East of Hwy 6/85)	Sidewalk	17.3	SY	\$52.50	\$908.25	Concrete Flatwork

Recommendations/Concrete Flatwork

Location	Improvement	Quantity	Unit (SY) or (LF)	Unit Cost	Estimated Cost	Fund
69th (100' East of Hwy 6/85)	Driveway	18.7	SY	\$157.00	\$2,935.90	Concrete Flatwork
69th (130' East of Hwy 6/85)	Sidewalk	4.0	SY	\$52.50	\$210.00	Concrete Flatwork
69th and Elm	Sidewalk	18.8	SY	\$52.50	\$987.00	Concrete Flatwork
69th and Glencoe (70' W Glencoe)	Sidewalk	18.8	SY	\$52.50	\$987.00	Concrete Flatwork
69th and Glencoe (20' W Glencoe)	Curb & Gutter	43	LF	\$38.00	\$1,634.00	Concrete Flatwork
5459 69th Ave	Curb & Gutter	6	LF	\$38.00	\$228.00	Concrete Flatwork
5403 69th Ave	4' Combo (Curb, Gutter, Sidewalk)	4	LF	\$123.00	\$492.00	Concrete Flatwork
5245 69th Ave	4' Combo (Curb, Gutter, Sidewalk)	32	LF	\$123.00	\$3,936.00	Concrete Flatwork
72nd Ave at Fairfax Dr	HC Ramp	6.7	SY	\$168.50	\$1,128.95	Concrete Flatwork
72nd Ave at Holly	HC Ramp	8.9	SY	\$168.50	\$1,499.65	Concrete Flatwork
72nd Ave at Kearney (NW Corner)	Sidewalk	9.0	SY	\$52.50	\$472.50	Concrete Flatwork
72nd Ave at Kearney (NE Corner)	4' Combo (Curb, Gutter, Sidewalk)	4.0	LF	\$123.00	\$492.00	Concrete Flatwork
72nd Ave at Kearney (NE Corner)	Sidewalk	9.0	SY	\$52.50	\$472.50	Concrete Flatwork
72nd Ave at Ivy (SW Corner)	Sidewalk	11.7	SY	\$52.50	\$614.25	Concrete Flatwork
72nd Ave at Ivy (SE Corner)	Sidewalk	5.3	SY	\$52.50	\$278.25	Concrete Flatwork
72nd Ave at Ivy (SE Corner)	4' Combo (Curb, Gutter, Sidewalk)	14.0	LF	\$123.00	\$1,722.00	Concrete Flatwork
72nd Ave (100' E Jasmine)	4' Combo (Curb, Gutter, Sidewalk)	8.0	LF	\$123.00	\$984.00	Concrete Flatwork
72nd Ave at Jasmine	HC Ramp	23.0	SY	\$168.50	\$3,875.50	Concrete Flatwork
Jasmine Street	4' Combo (Curb, Gutter, Sidewalk)	773.0	LF	\$123.00	\$95,079.00	*Street Reconstruction

Recommendations/Concrete Flatwork

Location	Improvement	Quantity	Unit (SY) or (LF)	Unit Cost	Estimated Cost	Fund
64th PL and Kearney	HC Ramp	6.7	SY	\$168.50	\$1,128.95	Concrete Flatwork
6140 64th PL	Sidewalk	4.0	SY	\$52.50	\$210.00	Concrete Flatwork
6142 64th PL	Sidewalk	6.7	SY	\$52.50	\$351.75	Concrete Flatwork
6160 64th PL	4' Combo (Curb, Gutter, Sidewalk)	7.0	LF	\$123.00	\$861.00	Concrete Flatwork
6480 64th PL	4' Combo (Curb, Gutter, Sidewalk)	12.0	LF	\$123.00	\$1,476.00	Concrete Flatwork
6181 64th PL	4' Combo (Curb, Gutter, Sidewalk)	18.0	LF	\$123.00	\$2,214.00	Concrete Flatwork
6181 64th PL	Driveway	7.3	SY	\$156.50	\$1,142.45	Concrete Flatwork
6101 64th PL	Sidewalk	4.4	SY	\$52.50	\$231.00	Concrete Flatwork
65th PL (10' W Quebec)	4' Combo (Curb, Gutter, Sidewalk)	8.0	LF	\$123.00	\$984.00	Concrete Flatwork
64th Pl and Porter Way	HC Ramp	13.4	SY	\$168.50	\$2,257.90	Concrete Flatwork
64th PL and Poplar (NE Corner)	HC Ramp	6.7	SY	\$168.50	\$1,128.95	Concrete Flatwork
64th PL and Poplar (NE Corner)	4' Combo (Curb, Gutter, Sidewalk)	10.0	LF	\$123.00	\$1,230.00	Concrete Flatwork
64th Ave and Poplar	HC Ramps	20.1	SY	\$168.50	\$3,386.85	Concrete Flatwork
63rd Ave and Poplar	HC Ramps	13.4	SY	\$168.50	\$2,257.90	Concrete Flatwork
64th Ave and Pontiac	HC Ramp	6.7	SY	\$168.50	\$1,128.95	Concrete Flatwork
66th Ave and Poplar	Cross Pan	6.7	SY	\$156.50	\$1,048.55	Concrete Flatwork
56th Ave (W of Dahlia)	4' Combo (Curb, Gutter, Sidewalk)	288.0	LF	\$123.00	\$35,424.00	Sidewalk Connectivity
56th Ave (E of Colorado)	4' Combo (Curb, Gutter, Sidewalk)	193.0	LF	\$123.00	\$23,739.00	Sidewalk Connectivity
Reunion Pkwy & Truckee (NE Corner)	HC Ramp	38.0	SY	\$168.50	\$6,403.00	Concrete Flatwork
Reunion Pkwy & Truckee (NE Corner)	Cross Pan	20.2	SY	\$156.50	\$3,161.30	Concrete Flatwork
Reunion Pkwy & Truckee (SE Corner)	HC Ramp	64.0	SY	\$168.50	\$10,784.00	Concrete Flatwork
Reunion Pkwy & Truckee (SE Corner)	Sidewalk	19.0	SY	\$52.50	\$997.50	Concrete Flatwork
Reunion Pkwy & Truckee (SE Corner)	Curb & Gutter	10.0	LF	\$38.00	\$380.00	Concrete Flatwork

Recommendations/Concrete Flatwork

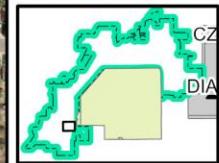
Location	Improvement	Quantity	Unit (SY) or (LF)	Unit Cost	Estimated Cost	Fund
Reunion Pkwy & Truckee (Alley)	Sidewalk	10.0	SY	\$52.50	\$525.00	Concrete Flatwork
Reunion Pkwy & Truckee (Alley)	Cross Pan	3.9	SY	\$156.50	\$610.35	Concrete Flatwork
Reunion Pkwy & Truckee (Alley)	Curb & Gutter	14.0	LF	\$38.00	\$532.00	Concrete Flatwork
Reunion Pkwy & SouthLawn Cir	Curb & Gutter	15.0	LF	\$38.00	\$570.00	Concrete Flatwork
Reunion Pkwy & SouthLawn Cir	Sidewalk	7.8	SY	\$52.50	\$409.50	Concrete Flatwork
Reunion Pkwy & SouthLawn Cir	HC Ramp	31.3	SY	\$168.50	\$5,274.05	Concrete Flatwork
Reunion Pkwy & Telluride (NW Corner)	HC Ramp	5.1	SY	\$168.50	\$859.35	Concrete Flatwork
Reunion Pkwy & Telluride (SW Corner)	HC Ramp	5.1	SY	\$168.50	\$859.35	Concrete Flatwork
Reunion Pkwy & Telluride (10' South)	Curb & Gutter	9.0	LF	\$38.00	\$342.00	Concrete Flatwork
Telluride and Reunion Pkwy (Alley)	Alley	36.3	SY	\$156.50	\$5,680.95	Concrete Flatwork
Reunion Pkwy & SouthLawn Cir	HC Ramp	42.2	SY	\$168.50	\$7,110.70	Concrete Flatwork
Reunion Pkwy & SouthLawn Cir	Sidewalk	8.1	SY	\$52.50	\$425.25	Concrete Flatwork
Median Southlawn Cir & Reunion Pkwy	Curb & Gutter	58.0	LF	\$38.00	\$2,204.00	Concrete Flatwork
Median Truckee Wy & Reunion Pkwy	Curb & Gutter	81.0	LF	\$38.00	\$3,078.00	Concrete Flatwork
Median 103rd Ave & Reunion Pkwy	Curb & Gutter	96.0	LF	\$38.00	\$3,648.00	Concrete Flatwork
103rd Ave & Reunion Pkwy	Sidewalk	5.0	SY	\$52.50	\$262.50	Concrete Flatwork
103rd Ave & Reunion Pkwy	Sidewalk	3.5	SY	\$52.50	\$183.75	Concrete Flatwork
Reunion Pkwy & Telluride Wy	Sidewalk	2.8	SY	\$52.50	\$147.00	Concrete Flatwork
Reunion Pkwy & Truckee Wy	Sidewalk	2.8	SY	\$52.50	\$147.00	Concrete Flatwork
Reunion Pkwy & Truckee Wy	Sidewalk	8.3	SY	\$52.50	\$435.75	Concrete Flatwork

Recommendations/Concrete Flatwork

Location	Improvement	Quantity	Unit (SY) or (LF)	Unit Cost	Estimated Cost	Fund
Reunion Pkwy & Truckee Wy	Sidewalk	2.8	SY	\$52.50	\$147.00	Concrete Flatwork
10249 Southlawn Circle	Curb & Gutter	10.0	LF	\$38.00	\$380.00	Concrete Flatwork
10179 Southlawn Circle	Curb & Gutter	10.0	LF	\$38.00	\$380.00	Concrete Flatwork
Southlawn Pkwy & Circle (NE Corner)	HC Ramp	15.0	SY	\$168.50	\$2,527.50	Concrete Flatwork
Southlawn Pkwy & Circle (SE Corner)	HC Ramp	15.0	SY	\$168.50	\$2,527.50	Concrete Flatwork
10129 Southlawn Circle	Sidewalk	2.8	SY	\$52.50	\$147.00	Concrete Flatwork
Yosemite St & 92nd Ave	Curb & Gutter	20.0	LF	\$38.00	\$760.00	Concrete Flatwork
16434 117th Ave (CRM)	Curb & Gutter	20.0	LF	\$38.00	\$760.00	Concrete Flatwork
16434 117th Ave (CRM)	Sidewalk	6.1	SY	\$52.50	\$320.25	Concrete Flatwork
16414 117th Ave (CRM)	Sidewalk	3.3	SY	\$52.50	\$173.25	Concrete Flatwork
102nd & Salida Ave (CRM)	Sidewalk	5.6	SY	\$52.50	\$294.00	Concrete Flatwork
9851 Chambers Dr	Sidewalk	8.3	SY	\$52.50	\$435.75	Concrete Flatwork
81st St & Quintero	Sidewalk	5.6	SY	\$52.50	\$294.00	Concrete Flatwork
10495 Wheeling St (CRM)	Sidewalk	9.5	SY	\$52.50	\$498.75	Concrete Flatwork
10457 Vaughn St (CRM)	Sidewalk	2.0	SY	\$52.50	\$105.00	Concrete Flatwork
10467 Vaughn St	Sidewalk	6.2	SY	\$52.50	\$325.50	Concrete Flatwork
10447 Vaughn St	Sidewalk	6.7	SY	\$52.50	\$351.75	Concrete Flatwork
10477 Vaughn St	Sidewalk	6.9	SY	\$52.50	\$362.25	Concrete Flatwork
			Total =		\$297,547.95	

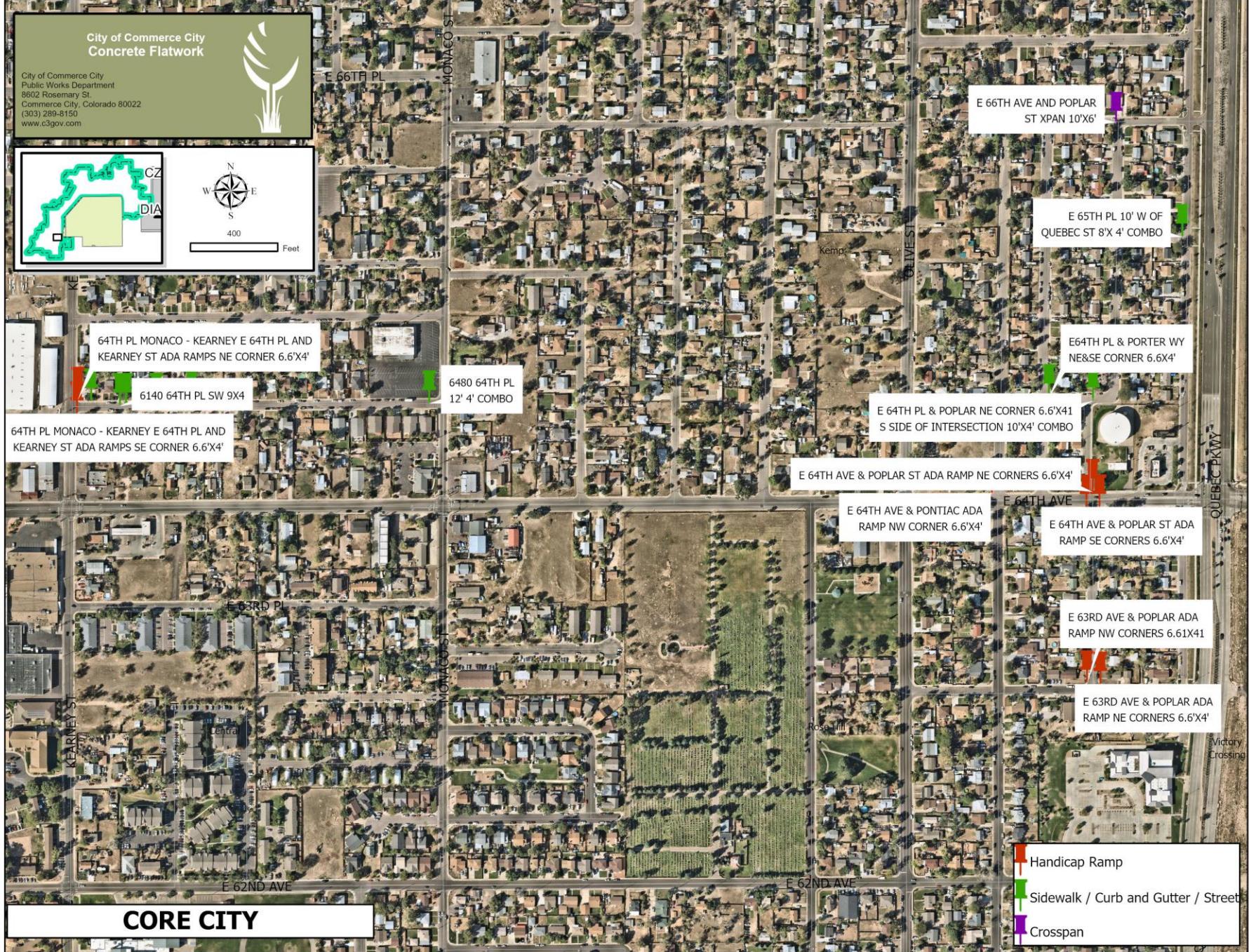
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Concrete Flatwork**

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Feet



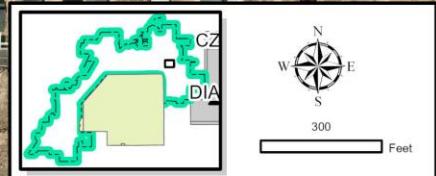
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City of Commerce City
Concrete Flatwork



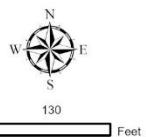
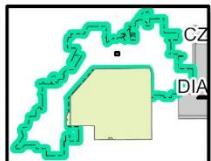
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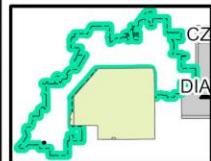
Handicap Ramp

Sidewalk / Curb and Gutter / Street

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Feet



Recommendations/Concrete Panels

Location	Construction Type	Area (SY)	Unit Price	Total
<u>Quebec Pkwy - North bound</u>				
150' North of 58th Ave center lane 12'x15'	Remove & Replace Concrete Panels	20	\$ 158.00	\$ 3,160.00
225' North Of 58th Ave centerlane	Remove & Replace Concrete Panels	40	\$ 158.00	\$ 6,320.00
225' South of 60th Ave center lane	Remove & Replace Concrete Panels	16	\$ 158.00	\$ 2,528.00
			Subtotal	\$ 12,008.00
<u>104th Ave - West Bound</u>				
300' West of Walden St center lane	Remove & Replace Concrete Panels	17	\$ 158.00	\$ 2,686.00
150' West of Tower Rd right lane	Remove & Replace Concrete Panels	16	\$ 158.00	\$ 2,528.00
300' West of Tower Rd right lane	Remove & Replace Concrete Panels	32	\$ 158.00	\$ 5,056.00
200' East of Yampa St right lane	Remove & Replace Concrete Panels	16	\$ 158.00	\$ 2,528.00
200' East of Yampa center lane	Remove & Replace Concrete Panels	32	\$ 158.00	\$ 5,056.00
200' East of Yampa left lane	Remove & Replace Concrete Panels	32	\$ 158.00	\$ 5,056.00
			Subtotal	\$ 22,910.00
			Traffic Control	\$ 20,000.00
			Mobilization	\$ 20,000.00
			Total	\$ 74,918.00



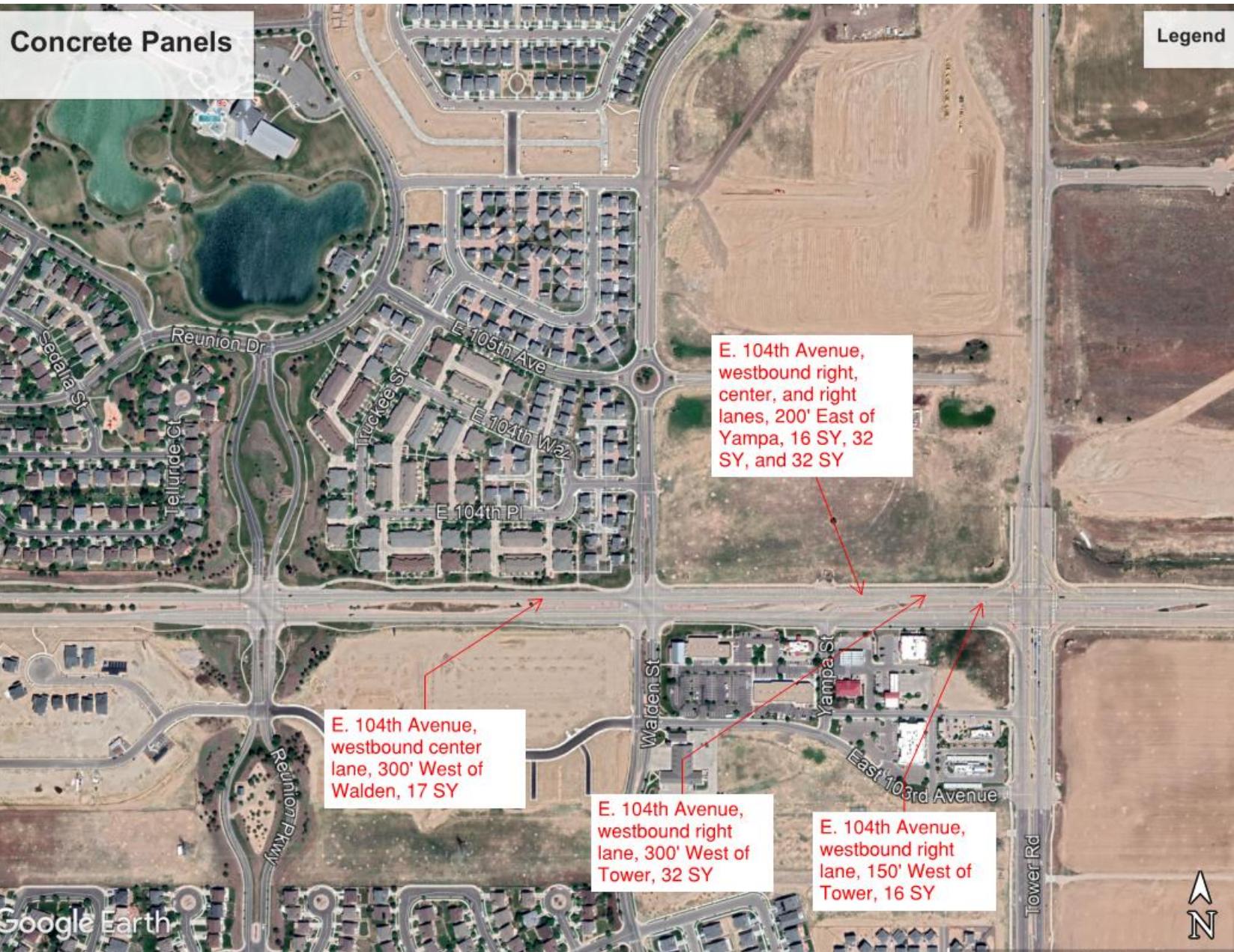
Concrete Panels

Legend



E 60th Ave
Google Earth

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Funding

Improvement Type	Estimated Cost (\$)
Concrete Flatwork	\$143,305.95
Sidewalk Connectivity	\$154,242.00
Concrete Panel Replacement	\$74,918.00
Total Estimate Cost	\$372,465.95
Total Estimated Cost (Minus Jasmine Street)	\$277,386.95

Available Funding Sources

- 2021 Concrete Flatwork Budget \$165,000
- 2020 Concrete Flatwork Budget Carryover \$ 22,120
- 2021 Sidewalk Connectivity Budget \$ 96,000
- Total Budget \$283,120

– Note: Propose to take Jasmine Street missing sidewalk out of flatwork program and move to the Street Reconstruction budget. This makes the total estimated cost for 2021 Concrete Flatwork Program \$277,386.95



Next Steps

- Extend Current Contract w/Silva
- Award Contract April 2021
- Begin Work May 2021





Questions?

