



2024 Concrete Flatwork & Concrete Repair Program

Public Works Capital Investment Program
April 15, 2024 City Council Meeting

Overview

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

Purpose and Need

- Our annual maintenance project to repair/replace substandard or broken curb, gutter, sidewalk (in Core City), concrete panels and concrete cross pans
- Sidewalk connectivity was evaluated throughout the City and some sections were included in the scope of this project
- To maintain public infrastructure, improve community appearance and pedestrian/motorist safety by repairing or reconstructing broken or missing concrete sections

Overall Project Goals

- 1) City is responsible for maintenance and improvements of concrete flatwork [sidewalks (in Core City), curb, gutter, and handicap ramps]
- 2) Repair damaged concrete in Pavement Management areas before the mill and overlay construction begins
- 3) Repair damaged concrete that has been identified through our See-Click-Fix System.
- 4) Replace damaged concrete street panels
- 5) Construct missing sidewalk to improve pedestrian connections or where priority connections are identified



Recommendations/Concrete Flatwork

2024 CONCRETE FLATWORK - REPAIR LIST								
Repair #	Neighborhood	Location	Improvement	Estimated Quantity	Unit (SY) or (LF)	Unit Cost	Estimated Cost	Fund
1	56th Ave Industrial Park	7051 56th Ave	4' Sidewalk	12.0	SY	\$ 118.00	\$ 1,416.00	Concrete Flatwork
2	56th Ave Industrial Park	7051 56th Ave	4' Sidewalk	8.9	SY	\$ 118.00	\$ 1,050.20	Concrete Flatwork
3	56th Ave Industrial Park	56th Ave/Fairfax St NE corner	4' Sidewalk	7.6	SY	\$ 118.00	\$ 896.80	Concrete Flatwork
4	56th Ave Industrial Park	6821 58th Ave	4.5' Combo (Curb, Gutter, Sidewalk)	3.5	SY	\$ 113.00	\$ 395.50	Concrete Flatwork
5	56th Ave Industrial Park	5025 56th Avenue	Curb & Gutter	28.0	LF	\$ 57.00	\$ 1,596.00	Concrete Flatwork
6	56th Ave Industrial Park	5599 Holly St	Driveway	38.9	SY	\$ 113.00	\$ 4,395.70	Concrete Flatwork
7	56th Ave Industrial Park	5690 56th Ave, SE corner of drive	Ramp	20.0	SY	\$ 140.00	\$ 2,800.00	Concrete Flatwork
8	56th Ave Industrial Park	56th Ave/Fairfax St NE Corner	Ramp	19.6	SY	\$ 140.00	\$ 2,744.00	Concrete Flatwork
9	56th Ave Industrial Park	5605 56th Ave	Traffic Control island	18.6	SY	\$ 140.00	\$ 2,604.00	Concrete Flatwork
10	Adams City	4513 72nd Ave	6" Curb and Gutter	22.0	LF	\$ 57.00	\$ 1,254.00	Concrete Flatwork
11	Adams City	4513 72nd Ave	6" Curb and Gutter	24.0	LF	\$ 57.00	\$ 1,368.00	Concrete Flatwork
12	Adams City	4400 72nd Ave	6" Curb and Gutter	12.0	LF	\$ 57.00	\$ 684.00	Concrete Flatwork
13	Adams City	4242 72nd Ave	Curb & Gutter	10	LF	\$ 57.00	\$ 570.00	Concrete Flatwork
14	Adams City	4398 72nd Ave	Curb & Gutter	10.0	LF	\$ 57.00	\$ 570.00	Concrete Flatwork
15	Adams City	4731 72nd Ave	Inlet curb and gutter	15.9	LF	\$ 57.00	\$ 906.30	Concrete Flatwork
16	Central	6161 Kearney St	6.5' Combo (Curb, Gutter, Sidewalk)	7.2	SY	\$ 113.00	\$ 813.60	Concrete Flatwork
17	Central	Monaco St S of 62nd Pl west side	Inlet curb and gutter	6.2	LF	\$ 57.00	\$ 353.40	Concrete Flatwork



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Recommendations/Concrete Flatwork

2024 CONCRETE FLATWORK - REPAIR LIST								
Repair #	Neighborhood	Location	Improvement	Estimated Quantity	Unit (SY or LF)	Unit Cost	Estimated Cost	Fund
18	Central	60th Ave / Monaco St SW corner	Ramp	24.0	SY	\$ 140.00	\$ 3,360.00	Concrete Flatwork
19	Central	64th Ave / Monaco St SW corner	Ramp	8.7	SY	\$ 140.00	\$ 1,218.00	Concrete Flatwork
20	Derby	Oneida St S of Highway 2 SB	Curb & Gutter	8.0	LF	\$ 57.00	\$ 456.00	Concrete Flatwork
21	Derby	7295 Monaco St	Parking Panel	6.7	SY	\$ 138.00	\$ 924.60	Concrete Flatwork
22	Kemp	6100 Monaco Street	5.5' Combo (Curb, Gutter, Sidewalk)	18.3	SY	\$ 113.00	\$ 2,067.90	Concrete Flatwork
23	Kemp	7061 Pontiac St	6.5' Combo (Curb, Gutter, Sidewalk)	7.2	SY	\$ 113.00	\$ 813.60	Concrete Flatwork
24	Kemp	7110 Olive St	6.5' Combo (Curb, Gutter, Sidewalk)	8.7	SY	\$ 113.00	\$ 983.10	Concrete Flatwork
25	Kemp	7150 Olive St	6.5' Combo (Curb, Gutter, Sidewalk)	14.4	SY	\$ 113.00	\$ 1,627.20	Concrete Flatwork
26	Kemp	7156 Olive St	6.5' Combo (Curb, Gutter, Sidewalk)	28.8	SY	\$ 113.00	\$ 3,254.40	Concrete Flatwork
27	Kemp	7161 Olive St	6.5' Combo (Curb, Gutter, Sidewalk)	15.2	SY	\$ 113.00	\$ 1,717.60	Concrete Flatwork
28	Kemp	7095 Olive St	6.5' Combo (Curb, Gutter, Sidewalk)	7.2	SY	\$ 113.00	\$ 813.60	Concrete Flatwork
29	Kemp	7071 Olive St	6.5' Combo (Curb, Gutter, Sidewalk)	7.2	SY	\$ 113.00	\$ 813.60	Concrete Flatwork
30	Kemp	7051 Newport St	6.5' Combo (Curb, Gutter, Sidewalk)	10.8	SY	\$ 113.00	\$ 1,220.40	Concrete Flatwork
31	Kemp	7161 Olive St	6.5' Combo with Manhole	3.6		\$ 113.00	\$ 406.80	Concrete Flatwork
32	Kemp	Monaco St N of 60th Ave east side	Curb & Gutter	10.0	LF	\$ 57.00	\$ 570.00	Concrete Flatwork
33	Kemp	7010 Pontiac St	Driveway	7.2	SY	\$ 113.00	\$ 813.60	Concrete Flatwork
34	Kemp	7155 Newport St	Driveway	23.8	SY	\$ 113.00	\$ 2,689.40	Concrete Flatwork



Recommendations/Concrete Flatwork

2024 CONCRETE FLATWORK - REPAIR LIST								
Repair #	Neighborhood	Location	Improvement	Estimated Quantity	Unit (SY) or (LF)	Unit Cost	Estimated Cost	Fund
35	Kemp	7070 Pontiac St	Inlet curb and gutter	7.2	LF	\$ 57.00	\$ 410.40	Concrete Flatwork
36	Kemp	7095 Olive St	Inlet curb and gutter	10.8	LF	\$ 57.00	\$ 615.60	Concrete Flatwork
37	Kemp	7140 Newport St	Inlet curb and gutter	21.7	LF	\$ 57.00	\$ 1,236.90	Concrete Flatwork
38	Kemp	70th Ave / Pontiac St NE corner	Ramp	9.3	SY	\$ 140.00	\$ 1,302.00	Concrete Flatwork
39	Rose Hill	5898 Monaco St	4' Sidewalk	4.4	SY	\$ 118.00	\$ 519.20	Concrete Flatwork
40	Rose Hill	62nd Ave/Monaco St SE corner	4' Sidewalk	1.8	SY	\$ 118.00	\$ 212.40	Concrete Flatwork
41	Rose Hill	7111 56th Ave	5' Sidewalk	5.6	SY	\$ 118.00	\$ 660.80	Concrete Flatwork
42	Rose Hill	5601 Quebec St	Curb & Gutter	7	LF	\$ 57.00	\$ 399.00	Concrete Flatwork
43	Rose Hill	5601 Quebec St	Curb & Gutter	23.0	LF	\$ 57.00	\$ 1,311.00	Concrete Flatwork
44	Rose Hill	7111 56th Ave (east driveway)	Ramp	3.1	SY	\$ 140.00	\$ 434.00	Concrete Flatwork
45	Rose Hill	7111 56th Ave (east driveway)	Ramp	4.6	SY	\$ 140.00	\$ 644.00	Concrete Flatwork
46	Rose Hill	7111 56th Ave (west driveway)	Ramp	25.1	SY	\$ 140.00	\$ 3,514.00	Concrete Flatwork
47	Rose Hill	7111 56th Ave (west driveway)	Ramp	32.9	SY	\$ 140.00	\$ 4,606.00	Concrete Flatwork
48	Rose Hill	57th Pl/Olive St NE Corner	Ramp	12.3	SY	\$ 140.00	\$ 1,722.00	Concrete Flatwork
49	Sand Creek	5025 56th Ave	4' Sidewalk	12.4	SY	\$ 118.00	\$ 1,463.20	Concrete Flatwork
50	Tichy	6300 65th Ave	4.5' Combo (Curb, Gutter, Sidewalk)	15.0	SY	\$ 113.00	\$ 1,695.00	Concrete Flatwork
51	Tichy	6280 E 65th Pl west side on Leyden St	5.5' Combo (Curb, Gutter, Sidewalk)	4.9	SY	\$ 113.00	\$ 553.70	Concrete Flatwork



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Recommendations/Concrete Flatwork

2024 CONCRETE FLATWORK - REPAIR LIST								
Repair #	Neighborhood	Location	Improvement	Estimated Quantity	Unit (SY or (LF)	Unit Cost	Estimated Cost	Fund
52	Tichy	5561 67th PI	5.5' Combo (Curb, Gutter, Sidewalk)	6.1	SY	\$ 113.00	\$ 689.30	Concrete Flatwork
53	Tichy	5441 67th PI	5.5' Combo (Curb, Gutter, Sidewalk)	6.1	SY	\$ 113.00	\$ 689.30	Concrete Flatwork
54	Tichy	7200 67th PI	5.5' Combo (Curb, Gutter, Sidewalk)	12.2	SY	\$ 113.00	\$ 1,378.60	Concrete Flatwork
55	Tichy	7200 67th PI	5.5' Combo (Curb, Gutter, Sidewalk)	12.2	SY	\$ 113.00	\$ 1,378.60	Concrete Flatwork
56	Tichy	5561 67th PI	6.5' Combo (Curb, Gutter, Sidewalk)	14.1	SY	\$ 113.00	\$ 1,593.30	Concrete Flatwork
57	Tichy	65th Ave / Monaco St SW corner	Ramp	13.3	SY	\$ 140.00	\$ 1,862.00	Concrete Flatwork
58	96th Ave Industrial Park	Heinz Way S of 96th Ave west side	Inlet curb and gutter	3.8	LF	\$ 57.00	\$ 216.60	Concrete Flatwork
59	Aberdeen	Hwy 2 SB, turn lane to WB 104th Ave (2 panels)	Remove & Replace Concrete Panels	34.7	SY	\$ 180.00	\$ 6,246.00	Concrete Flatwork
60	Belle Creek	Belle Creek Blvd N of 105th PI before bridge east side	5' Sidewalk (with chase)	6.7	SY	\$ 118.00	\$ 790.60	Concrete Flatwork
61	Belle Creek	Belle Creek Blvd N of 105th PI before bridge west side	5' Sidewalk (with chase)	6.7	SY	\$ 118.00	\$ 790.60	Concrete Flatwork
62	Belle Creek	10844 Belle Creek Blvd	Gutter Pan	7.8	SY	\$ 113.00	\$ 881.40	Concrete Flatwork
63	Belle Creek	10864 Belle Creek Blvd	Gutter Pan	3.9	SY	\$ 113.00	\$ 440.70	Concrete Flatwork
64	Belle Creek	9398 107th PI	Gutter Pan	3.9	SY	\$ 113.00	\$ 440.70	Concrete Flatwork
65	Belle Creek	Belle Creek Blvd s of 105th PI roundabout	Median Curb	24.0	LF	\$ 60.00	\$ 1,440.00	Concrete Flatwork
66	Belle Creek	Belle Creek Blvd / 105th PI NE corner	Ramp	13.3	SY	\$ 140.00	\$ 1,862.00	Concrete Flatwork
67	Belle Creek	Belle Creek Blvd / 105th PI SE corner	Ramp	13.3	SY	\$ 140.00	\$ 1,862.00	Concrete Flatwork
68	Eagle Creek	9648 Eagle Creek Pkwy	6.5' Combo (Curb, Gutter, Sidewalk)	7.2	SY	\$ 113.00	\$ 813.60	Concrete Flatwork



Recommendations/Concrete Flatwork

2024 CONCRETE FLATWORK - REPAIR LIST								
Repair #	Neighborhood	Location	Improvement	Estimated Quantity	Unit (SY or LF)	Unit Cost	Estimated Cost	Fund
69	Eagle Creek	9652 Eagle Creek Pkwy	6.5' Combo (Curb, Gutter, Sidewalk)	14.4	SY	\$ 113.00	\$ 1,627.20	Concrete Flatwork
70	Eagle Creek	9667 Eagle Creek Pkwy	6.5' Combo (Curb, Gutter, Sidewalk)	14.4	SY	\$ 113.00	\$ 1,627.20	Concrete Flatwork
71	Eagle Creek	9659 Eagle Creek Pkwy	6.5' Combo (Curb, Gutter, Sidewalk)	18.1	SY	\$ 113.00	\$ 2,045.30	Concrete Flatwork
72	Eagle Creek	9655 Eagle Creek Pkwy	6.5' Combo (Curb, Gutter, Sidewalk)	14.4	SY	\$ 113.00	\$ 1,627.20	Concrete Flatwork
73	Eagle Creek	6075 Quebec Parkway	8' Sidewalk	12.4	SY	\$ 118.00	\$ 1,463.20	Concrete Flatwork
74	Eagle Creek	9664 Eagle Creek Pkwy	Inlet curb and gutter	4.7	LF	\$ 57.00	\$ 267.90	Concrete Flatwork
75	Eagle Creek	Between 9653 and 9655 Lansing Cir	Ramp	13.7	SY	\$ 140.00	\$ 1,918.00	Concrete Flatwork
76	Foxton Village	Blackhawk St S of 104th Pl west side	4' Sidewalk	2.2	SY	\$ 118.00	\$ 259.60	Concrete Flatwork
77	Foxton Village	100th Way / Blackhawk St	Cross Pan	33.3	SY	\$ 135.00	\$ 4,495.50	Concrete Flatwork
78	Foxton Village	100th Lane / Blackhawk St	Cross Pan	21.7	SY	\$ 135.00	\$ 2,929.50	Concrete Flatwork
79	Foxton Village	14101 101st Ave	Curb & Gutter	8	LF	\$ 57.00	\$ 456.00	Concrete Flatwork
80	Foxton Village	100th Lane / Blackhawk St NE corner	Ramp	35.1	SY	\$ 140.00	\$ 4,914.00	Concrete Flatwork
81	Foxton Village	100th Lane / Blackhawk St SE corner	Ramp	35.1	SY	\$ 140.00	\$ 4,914.00	Concrete Flatwork
82	Foxton Village	102nd Ave / Blackhawk St SE Corner	Ramp	14.4	SY	\$ 140.00	\$ 2,016.00	Concrete Flatwork
83	Potomac Farms	107th Ave / Wheeling St	Cross Pan	21.0	SY	\$ 135.00	\$ 2,835.00	Concrete Flatwork
84	Potomac Farms	10596 Wheeling St	Curb & Gutter	14	LF	\$ 57.00	\$ 798.00	Concrete Flatwork
85	Potomac Farms	10696 Wheeling St	Curb & Gutter	10	LF	\$ 57.00	\$ 570.00	Concrete Flatwork



Recommendations/Concrete Flatwork

2024 CONCRETE FLATWORK - REPAIR LIST								
Repair #	Neighborhood	Location	Improvement	Estimated Quantity	Unit (SY or LF)	Unit Cost	Estimated Cost	Fund
86	Potomac Farms	10786 Wheeling St	Curb & Gutter	10	LF	\$ 57.00	\$ 570.00	Concrete Flatwork
87	Potomac Farms	107th Ave / Wheeling St SE corner	Ramp	30.3	SY	\$ 140.00	\$ 4,242.00	Concrete Flatwork
88	Potomac Farms	108th Ave / Wheeling St SE corner	Ramp	32.1	SY	\$ 140.00	\$ 4,494.00	Concrete Flatwork
89	Reunion	Tower Rd / 103rd Ave, S of intersection nose	Median Curb	7	LF	\$ 60.00	\$ 420.00	Concrete Flatwork
90	Reunion	Tower Rd / 103rd Ave, N of intersection, SB	Median Curb	10	LF	\$ 60.00	\$ 600.00	Concrete Flatwork
91	Reunion	104th Ave EB near Potomac St right lane	Remove & Replace Concrete Panels	17.3	SY	\$ 180.00	\$ 3,114.00	Concrete Flatwork
92	The Village/Outlook	12170 Village Circle East	Curb & Gutter	10.0	LF	\$ 57.00	\$ 570.00	Concrete Flatwork
93	Turnberry	Tucson Way / Turnberry Pkwy north side	Cross Pan	21.3	SY	\$ 135.00	\$ 2,875.50	Concrete Flatwork
94	Turnberry	13108 106th Pl	Curb & Gutter	20	LF	\$ 57.00	\$ 1,140.00	Concrete Flatwork
95	Turnberry	13198 106th Pl	Curb & Gutter	10	LF	\$ 57.00	\$ 570.00	Concrete Flatwork
96	Turnberry	13008 106th Pl	Curb & Gutter	20	LF	\$ 57.00	\$ 1,140.00	Concrete Flatwork
97	Turnberry	10183 Salida St	Curb & Gutter	10	LF	\$ 57.00	\$ 570.00	Concrete Flatwork
98	Turnberry	Turnberry Pkwy / Revere St roundabout	Median Curb	40.0	LF	\$ 60.00	\$ 2,400.00	Concrete Flatwork
99	Turnberry	104th Ave EB from Hwy 2 right lane (3 panels)	Remove & Replace Concrete Panels	40.3	SY	\$ 180.00	\$ 7,254.00	Concrete Flatwork
100	Turnberry	104th Ave EB from Hwy 2 right lane (1 panel)	Remove & Replace Concrete Panels	13.4	SY	\$ 180.00	\$ 2,412.00	Concrete Flatwork
101	Turnberry	104th Ave EB from Hwy 2 center lane (2 panels)	Remove & Replace Concrete Panels	17.8	SY	\$ 180.00	\$ 3,204.00	Concrete Flatwork
102	56th Ave Industrial Park	5460 56th Ave (new)	5' Sidewalk	184.4	SY	\$ 118.00	\$ 21,759.20	Sidewalk Connectivity



Recommendations/Concrete Flatwork

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Repair #	Neighborhood	Location	Improvement	Estimated Quantity	Unit (SY or (LF)	Unit Cost	Estimated Cost	Fund
103	56th Ave Industrial Park	5596 Holly St (new)	Curb & Gutter	63.0	LF	\$ 57.00	\$ 3,591.00	Sidewalk Connectivity
104	56th Ave Industrial Park	5596 Holly St (new)	Ramp	12.9	SY	\$ 140.00	\$ 1,806.00	Sidewalk Connectivity
105	South Rose Hill	5596 Holly St/5599 Krameria St (new)	5' Sidewalk	100.0	SY	\$ 118.00	\$ 11,800.00	Sidewalk Connectivity
106	South Rose Hill	5599 Krameria St (new)	Curb & Gutter	117.0	LF	\$ 57.00	\$ 6,669.00	Sidewalk Connectivity
107	South Rose Hill	5599 Krameria St (new)	Ramp	12.9	SY	\$ 140.00	\$ 1,806.00	Sidewalk Connectivity

Also included in the scope includes:

- A 9 Linear Feet long 6-feet wide sidewalk on E. 104th Avenue.
- A 28 Linear Feet long curb and gutter at 5025 E. 56th Avenue
- The street panels on Highway 2 southbound turn lane to westbound E. 104th Ave.



Total Concrete Flatwork

ESTIMATED EXPENDITURES - BY NEIGHBORHOOD	
City Neighborhood	Estimated Cost
56th Ave Industrial Park	\$45,054
Sand Creek	\$1,463
Foxtan Village	\$19,985
Rose Hill	\$14,022
Tichy	\$9,840
South Rose Hill	\$20,275
Belle Creek	\$8,508
Kemp	\$21,356
Central	\$5,745
Eagle Creek	\$11,390
96th Ave Industrial Park	\$217
Adams City	\$5,352
Potomac Farms	\$13,509
Turnberry	\$21,566
Derby	\$1,381
Reunion	\$4,134
Aberdeen	\$6,246
The Village/Outlook	\$570
Total	\$210,612



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Funding

- The City received six (6) bids from contactors.
- The lowest responsible bidder was Gold Star Concrete with a bid of \$545,406
- Additional work will be added by a Change Order since there is available funding remaining (see below)

Available Funding Sources

➤ 2024 Concrete Flatwork Budget	\$ 600,000.00
➤ 2024 Sidewalk Connectivity Budget	\$ 150,000.00
➤ 2024 Core City Improvements	<u>\$ 100,000.00</u>
➤ Total Budget	\$ 850,000.00

Note:

Core City Improvements Budget is \$260,000. We are proposing to use \$100K in Concrete Flatwork Program and \$160K in Pavement Management Program

Next Steps

- 1) Complete contracting
- 2) Start work in May
- 3) Complete work by end of 2024



Questions?

