

Capital Improvement Program 2019-2023

**Accessibility Construction
Five Year Capital Improvement Program (CIP) Schedule**

	Cost Estimate Classification *	Cost Estimate					5 Year Total
		2018-19	2019-20	2020-21	2021-22	2022-23	
1ACAI Citywide Accessibility Improvements Includes Barrier Removal	1	\$ 57,000	\$ -	\$ -	\$ -	\$ -	\$ 57,000
1ADSC Dean Swift Road Corridor	5	150,000	-	-	-	-	150,000
1ADIV NE Division Street Corridor	5	500,000	-	-	-	-	500,000
1ALPD Lodge Pole Drive Corridor	5	-	315,000	-	-	-	315,000
1APSC Poplar Street Corridor	5	-	250,000	-	-	-	250,000
1ATHT SW Truman Hill Taft Silver Lake Corridor	5	-	-	440,000	-	-	440,000
1ACAC SW Cleveland Avenue Corridor	5	-	-	190,000	-	-	190,000
1ADAC NW Delaware Avenue Corridor	5	-	-	-	500,000	-	500,000
1AHSC NW Hill Street Corridor	5	-	-	-	250,000	-	250,000
1ASSC NW Seismore Street Corridor	5	-	-	-	125,000	-	125,000
1SRWN Riverwest Neighborhood	5	-	-	-	-	350,000	350,000
1ARIV Riverside Neighborhood	5	-	-	-	-	350,000	350,000
Total Accessibility Construction CIP		\$ 707,000	\$ 565,000	\$ 630,000	\$ 875,000	\$ 700,000	\$ 3,477,000

* Cost estimate classifications are based on standards developed by the Association for the Advancement of Cost Engineering International (AACE)

Estimate Class	Purpose	Project Definition Level	Cost Est. Range
Class 5	Concept or Feasibility	0% to 2%	+100% / -50%
Class 4	Preliminary Engineering	1% to 15%	+50% / -30%
Class 3	Semi-Detailed (30-60% Design)	10% to 40%	+30% / -20%
Class 2	Detailed (60-90% Design)	30% to 70%	+20% / -15%
Class 1	Final (100% Design)	50% to 100%	+15% / -10%
N/A	Not Applicable		

Capital Improvement Program 2019-2023

**General Obligation Bond Construction
Five Year Capital Improvement Program (CIP) Schedule**

	Cost Estimate Classification *	Cost Estimate					5 Year Total
		2018-19	2019-20	2020-21	2021-22	2022-23	
1T14R 14th St. Reconstruction	1	\$ 1,002,028	\$ -	\$ -	\$ -	\$ -	\$ 1,002,028
1T14B 14th St. Reconstruction Phase II	3	181,246	-	-	-	-	181,246
1TR3N Reed Mkt: 3rd to Newberry	1	160,000	-	-	-	-	160,000
Total GO Bond CIP		\$ 1,343,274	\$ -	\$ -	\$ -	\$ -	\$ 1,343,274

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Estimate Class	Purpose	Project Definition Level	Cost Est. Range
Class 5	Concept or Feasibility	0% to 2%	+100% / -50%
Class 4	Preliminary Engineering	1% to 15%	+50% / -30%
Class 3	Semi-Detailed (30-60% Design)	10% to 40%	+30% / -20%
Class 2	Detailed (60-90% Design)	30% to 70%	+20% / -15%
Class 1	Final (100% Design)	50% to 100%	+15% / -10%
N/A	Not Applicable		

Capital Improvement Program 2019-2023

**Transportation Construction
Five Year Capital Improvement Program (CIP) Schedule**

	Cost Estimate Classification *	Cost Estimate					5 Year Total
		2018-19	2019-20	2020-21	2021-22	2022-23	
1T14R 14th St. Reconstruction	1	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000
1T14B 14th St. Reconstruct Phase II	3	3,884,314	-	-	-	-	3,884,314
1TCSI Citywide Safety Improvements	5	1,590,600	1,000,000	-	-	-	2,590,600
1TGCI Galveston Corridor Improvements	5	265,000	-	-	-	-	265,000
1TNPS Neff & Purcell Intersection Design	5	200,000	600,000	-	-	-	800,000
1TBKE Bicycle Greenways	5	440,000	225,000	225,000	-	-	890,000
1XECI Empire Corridor Improvement Projects:	4	5,800,000	11,000,000	2,400,000	3,800,000	400,000	23,400,000
1XMCI Murphy Corridor Improvement Projects:	5	2,021,700	10,361,200	5,349,100	3,936,700	4,621,900	26,290,600
Total Transportation Construction CIP		\$ 14,701,614	\$ 23,186,200	\$ 7,974,100	\$ 7,736,700	\$ 5,021,900	\$ 58,620,514

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Estimate Class	Purpose	Project Definition Level	Cost Est. Range
Class 5	Concept or Feasibility	0% to 2%	+100% / -50%
Class 4	Preliminary Engineering	1% to 15%	+50% / -30%
Class 3	Semi-Detailed (30-60% Design)	10% to 40%	+30% / -20%
Class 2	Detailed (60-90% Design)	30% to 70%	+20% / -15%
Class 1	Final (100% Design)	50% to 100%	+15% / -10%
N/A	Not Applicable		

Capital Improvement Program 2019-2023

Water

Five Year Capital Improvement Program (CIP) Schedule

	Cost Estimate Classification *	Cost Estimate					5 Year Total
		2018-19	2019-20	2020-21	2021-22	2022-23	
1WEWL Egypt Waterline	1	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 400,000
1WMP1 Water Master Plan Update	N/A	750,000	-	-	-	-	750,000
1WAWP Awbrey Well Supply Expansion	5	-	2,021,760	-	-	-	2,021,760
1WCPS College Parallel Pipe Study	N/A	-	1,215,760	-	-	-	1,215,760
1WLPE Lafayette Pipe Enlargement	5	-	250,640	-	-	-	250,640
1WVSS Valves Operational System Study	N/A	-	78,000	78,000	78,000	-	234,000
1WSPP Parallel Piping Brookwood to Brosterhaus	5	-	-	1,596,400	-	-	1,596,400
1WSSC New Water Well – Near NE Shirley Court	5	-	-	2,830,464	-	-	2,830,464
1WRBO Parallel Piping Rock Bluff to Brookwood	5	-	-	-	2,940,000	-	2,940,000
1WSWO New Water Well Shiloh Site	5	-	-	-	2,721,600	-	2,721,600
1WRBRM Parallel Mains Brosterhaus/Reed Mkt	5	-	-	-	-	1,742,000	1,742,000
Total Water CIP		\$ 1,150,000	\$ 3,566,160	\$ 4,504,864	\$ 5,739,600	\$ 1,742,000	\$ 16,702,624

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Estimate Class	Purpose	Project Definition Level	Cost Est. Range
Class 5	Concept or Feasibility	0% to 2%	+100% / -50%
Class 4	Preliminary Engineering	1% to 15%	+50% / -30%
Class 3	Semi-Detailed (30-60% Design)	10% to 40%	+30% / -20%
Class 2	Detailed (60-90% Design)	30% to 70%	+20% / -15%
Class 1	Final (100% Design)	50% to 100%	+15% / -10%
N/A	Not Applicable		

Capital Improvement Program 2019-2023

**Water Reclamation
Five Year Capital Improvement Program (CIP) Schedule**

	Cost Estimate Classification *	Cost Estimate					5 Year Total
		2018-19	2019-20	2020-21	2021-22	2022-23	
1SNAF North Area Force Main	1	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
1SNAS North Area Gravity Main	1	100,000	-	-	-	-	100,000
1SP1X SEI Phase 1 Extension	1	100,000	-	-	-	-	100,000
1S2S3 SEI Schedule 2S&3	1	100,000	-	-	-	-	100,000
1SWRF Secondary Expansion	1	3,100,000	-	-	-	-	3,100,000
1SCAP Capacity Improvements	5	6,000,000	-	-	-	-	6,000,000
1SPIR Plant Interceptor Rehabilitation	5	10,000,000	-	-	-	-	10,000,000
1S036 Drake Lift Station Condition Upgrade	5	1,000,000	2,000,000	-	-	-	3,000,000
1SNIP North Interceptor Phase I	5	11,000,000	12,000,000	-	-	-	23,000,000
1SPSD Pump Station Decommissions Program Projects:	4	1,465,000	3,000,000	-	-	-	4,465,000
1SSHI Solids Handling Improvement Project	5	1,450,000	2,500,000	1,500,000	-	-	5,450,000
1SAMM Amethyst Mahogany Street Sewer	5	500,000	2,900,000	1,470,000	1,470,000	-	6,340,000
1SFPU Facilities Plan Update	N/A	-	500,000	-	-	-	500,000
1SMP1 Collection System Master Plan (Years 6-10)	N/A	-	750,000	-	-	-	750,000
1SPSO Parallel Sewer on Olney Avenue	5	-	600,000	-	-	-	600,000
1SGPA Gravity Pipe Condition Assessment	5	-	-	200,000	200,000	200,000	600,000
1SHWK Headworks	5	-	-	-	1,000,000	-	1,000,000
1SOC1 Odor Control Master Plan	N/A	-	-	-	1,155,000	-	1,155,000
1SSLA Sewer Storage - Land Acquisition	N/A	-	-	-	730,000	-	730,000
1SNI2 North Interceptor Phase II & III	5	-	-	-	6,700,000	6,700,000	13,400,000
1SSFU Support Facilities Upgrade	N/A	-	-	-	1,250,000	1,250,000	2,500,000
Total Water Reclamation CIP		\$ 34,915,000	\$ 24,250,000	\$ 3,170,000	\$ 12,505,000	\$ 8,150,000	\$ 82,990,000

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Estimate Class	Purpose	Project Definition Level	Cost Est. Range
Class 5	Concept or Feasibility	0% to 2%	+100% / -50%
Class 4	Preliminary Engineering	1% to 15%	+50% / -30%
Class 3	Semi-Detailed (30-60% Design)	10% to 40%	+30% / -20%
Class 2	Detailed (60-90% Design)	30% to 70%	+20% / -15%
Class 1	Final (100% Design)	50% to 100%	+15% / -10%
N/A	Not Applicable		

Capital Improvement Program 2019-2023

**Stormwater
Five Year Capital Improvement Program (CIP) Schedule**

	Cost Estimate Classification *	Cost Estimate					5 Year Total
		2018-19	2019-20	2020-21	2021-22	2022-23	
1RNPR Newport Pipe Replacement Design	5	\$ 442,000	\$ -	\$ -	\$ -	\$ -	\$ 442,000
1RMP1 Stormwater Master Plan Update	N/A	-	500,000	-	-	-	500,000
1RRMC Roosevelt & McKinley	5	-	-	104,000	475,000	-	579,000
1RFGU Franklin & Greenwood Underpass	5	-	-	1,200,000	600,000	1,500,000	3,300,000
1RMNW Minnesota & Wall Stormwater	5	-	-	-	-	250,000	250,000
Total Stormwater CIP		\$ 442,000	\$ 500,000	\$ 1,304,000	\$ 1,075,000	\$ 1,750,000	\$ 5,071,000

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Estimate Class	Purpose	Project Definition Level	Cost Est. Range
Class 5	Concept or Feasibility	0% to 2%	+100% / -50%
Class 4	Preliminary Engineering	1% to 15%	+50% / -30%
Class 3	Semi-Detailed (30-60% Design)	10% to 40%	+30% / -20%
Class 2	Detailed (60-90% Design)	30% to 70%	+20% / -15%
Class 1	Final (100% Design)	50% to 100%	+15% / -10%
N/A	Not Applicable		

Capital Improvement Program 2019-2023

**Airport
Five Year Capital Improvement Program (CIP) Schedule**

	Cost Estimate Classification *	Cost Estimate					5 Year Total
		2018-19	2019-20	2020-21	2021-22	2022-23	
AP18A Helicopter Operations Area Phase II	1	\$ 692,400	\$ -	\$ -	\$ -	\$ -	\$ 692,400
AP16A West Apron	1	726,300	-	-	-	-	726,300
AP19A Master Plan Update	NA	311,100	242,500	-	-	-	553,600
**AP20A South Hangar Taxilane Rehab	5	-	-	166,000	334,000	-	500,000
**AP21A Runway Ext. EA Phase I Environmental	NA	-	250,000	-	-	-	250,000
**AP22A Runway Ext. EA Phase II Environmental	NA	-	-	250,000	-	-	250,000
**AP23A Runway Ext. Design/Property Acquisition	5	-	-	10,000,000	-	-	10,000,000
**AP24A Runway Construction	5	-	-	-	10,000,000	-	10,000,000
Total Airport CIP		\$ 1,729,800	\$ 492,500	\$ 10,416,000	\$ 10,334,000	\$ -	\$ 22,972,300

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** Project numbers may change

Note: Airport capital improvement projects are pending approval of 90% FAA funding and funding for City match.

Estimate Class	Purpose	Project Definition Level	Cost Est. Range
Class 5	Concept or Feasibility	0% to 2%	+100% / -50%
Class 4	Preliminary Engineering	1% to 15%	+50% / -30%
Class 3	Semi-Detailed (30-60% Design)	10% to 40%	+30% / -20%
Class 2	Detailed (60-90% Design)	30% to 70%	+20% / -15%
Class 1	Final (100% Design)	50% to 100%	+15% / -10%
N/A	Not Applicable		

Capital Improvement Program 2019-2023

Facilities Management

Five Year Capital Improvement Program (CIP) Schedule

	Cost Estimate					5 Year Total
	Classification *	2018-19	2019-20	2020-21	2021-22	
FA19CX Boyd Acres Building C - Replace Roof	3	\$ 45,000	\$ -	\$ -	\$ -	\$ 45,000
FA19EX 639 NW Brooks Re-Roof	3	20,000	-	-	-	20,000
FA19AX Boyd Acres Building D - Replace Roof	3	106,000	-	-	-	106,000
FA20AX Site Development/Fuel Island - Boyd Acres**	5	-	3,704,530	-	-	3,704,530
FA20AX Site Paving/Grading - Pilot Butte Campus**	5	-	6,375,600	-	-	6,375,600
FA21AX Vehicle Storage/Parking - Pilot Butte Campus**	5	-	-	8,528,400	-	8,528,400
FA22AX Fleet Building/Truck Wash - Pilot Butte Campus**	5	-	-	-	13,549,882	13,549,882
FA22BX Operations Building B Remodel - Boyd Acres**	5	-	-	-	1,097,712	1,097,712
FA23AX Relocate Sand Pile - Pilot Butte Campus**	5	-	-	-	908,928	908,928
FA23BX New Utilities Admin Building - Boyd Acres**	5	-	-	-	4,468,896	4,468,896
Total Facilities Management CIP		\$ 171,000	\$ 10,080,130	\$ 8,528,400	\$ 14,647,594	\$ 5,377,824
						\$ 38,804,948

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Estimate Class	Purpose	Project Definition Level	Cost Est. Range
Class 5	Concept or Feasibility	0% to 2%	+100% / -50%
Class 4	Preliminary Engineering	1% to 15%	+50% / -30%
Class 3	Semi-Detailed (30-60% Design)	10% to 40%	+30% / -20%
Class 2	Detailed (60-90% Design)	30% to 70%	+20% / -15%
Class 1	Final (100% Design)	50% to 100%	+15% / -10%
N/A	Not Applicable		

Notes:

** These projects were generated as a result of the 20 year facilities plan created in February 2015.