

RESOLUTION NO. 3212

A RESOLUTION ADOPTING THE 2021-2025 CAPITAL IMPROVEMENT PROGRAMS

Findings:

- A. The City's Fiscal Policies state that a five year Capital Improvement Program (CIP) encompassing all City facilities shall be prepared and updated annually.
- B. The five year CIP will be incorporated into the City's budget and long range financial planning processes.
- C. Changes to the CIP such as the addition of new projects, changes in scope and costs of a project or reprioritization of projects will require City Council or City Manager approval.

Based on these findings,

THE CITY COUNCIL OF THE CITY OF BEND RESOLVES AS FOLLOWS:

- 1. To adopt the 2021-2025 Capital Improvement Programs, as shown in Exhibit A.

Adopted by a vote of the Bend City Council on June 17, 2020.

YES: Sally Russell, Mayor
Bruce Abernethy
Barb Campbell
Bill Moseley
Justin Livingston
Gena Goodman-Campbell
Chris Piper

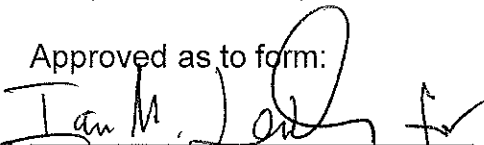
NO: none


Sally Russell, Mayor

Attest:


Robyn Christie, City Recorder

Approved as to form:


Mary Winters, City Attorney

Water
Five Year Capital Improvement Program (CIP) Schedule

	Cost Estimate Classification*	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	Total
1RNPR Newport Corridor Improvements	5	\$ 530,000	\$ 712,000	\$ 574,000	\$ 269,000	\$ -	\$ 2,085,000
1S036 Drake Lift Station Upgrade	1	100,000	-	-	-	-	100,000
1SCSE Collection System Enhancement Program	4	240,000	200,000	-	-	-	440,000
1TEC4 Empire & 27 RAB	1	100,000	-	-	-	-	100,000
1TMC2 Murphy Brosterhous to 15th	1	781,700	-	-	-	-	781,700
1TMC6 Murphy Corridor Improvements Parrell to Brosterhou	2	135,400	-	-	-	-	135,400
1TNPS Neff & Purcell Intersection	4	11,800	11,800	-	-	-	23,600
1TTSI Traffic Signal Improvements	5	25,000	-	-	-	-	25,000
1WAWP Awbrey Well Supply Expansion	5	-	700,000	1,385,000	-	-	2,085,000
1WCPS College Parallel Pipe Study	5	-	1,250,000	-	-	-	1,250,000
1WLPE Lafayette Pipe Enlargement	5	-	260,000	-	-	-	260,000
1WMP1 Water Master Plan Update	NA	445,000	-	-	-	-	445,000
1WPB4 Opt Study - Pilot Bulte 4 Tank	5	-	-	-	-	5,807,000	5,807,000
1WPRP Opt Study - Parallel Piping Rock Bluff to Brosterhou:	5	-	2,940,000	-	-	-	2,940,000
1WRMB Opt Study - Parallel Mains Brosterhous on Reed Mk	5	-	-	-	1,795,000	-	1,795,000
1WSLW Opt Study - Shiloh Well	5	-	-	2,721,600	-	-	2,721,600
1WWSC New Water Well Near NE Shirley Court	5	-	2,915,000	-	-	-	2,915,000
		\$ 2,368,900	\$ 8,988,800	\$ 4,680,600	\$ 2,064,000	\$ 5,807,000	\$ 23,909,300

* The City's cost estimate classifications system is based on standards developed by the AACE International Recommended Practice No. 18R-97

Estimate Class	Purpose	Project Definition Level Expressed as % of complete definition	Cost Estimate Range Typical variation in high & low range
Class 5	Concept or Feasibility	0% to 2%	+ 100% / - 60%
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 - 100% Design)	30% to 75%	+ 20% / -15%
Class 1	Final (100% Design/Bid opening)	65% to 100%	+ 10% / -10%
N/A	Not applicable		

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

	Cost Estimate Classification*	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	Total
1RNPR Newport Corridor Improvements	5	\$ 470,000	\$ 816,000	\$ 280,000	\$ -	\$ -	\$ 1,566,000
1S036 Drake Pump Station	1	950,000	-	-	-	-	950,000
1SAAI Addison & Butler Mkt Gravity Improvement	5	-	-	-	-	1,512,000	1,512,000
1SAMM SW Sewer Basin Improvements	5	2,500,000	5,100,000	3,000,000	-	-	10,600,000
1SBSS Bend Septic Solutions	2	172,000	353,000	-	-	-	525,000
1SCAS Cooley Area PSD and Sewer Availability	5	-	400,000	2,550,000	2,700,000	-	5,650,000
1SCSE Collection System Enhancement Program	4	1,500,000	-	-	1,500,000	1,500,000	4,500,000
1SDWS Desert Woods Sewer Main	1	2,025,500	-	-	-	-	2,025,500
1SFPU WRF Facilities Plan Update	NA	-	500,000	-	-	-	500,000
1SMP1 Collection System Master Plan Update	NA	-	750,000	-	-	-	750,000
1SSIM Simplicity Main & Pump Station Decommission	1	191,000	-	-	-	-	191,000
1SNOT Nottingham Main & Pump Station Decommission	1	625,500	-	-	-	-	625,500
1SN01 Bend Sewer Extension 1	1	3,416,000	-	-	-	-	3,416,000
1SN02 - Via Sandia Sewer	3	250,000	1,947,000	1,103,300	-	-	3,300,300
1SNEP Bend Sewer Neighborhood Extension Program	NA	-	2,538,100	2,500,000	2,500,000	2,500,000	10,038,100
1SN12 North Interceptor Phase II	2	18,500,000	4,118,700	-	-	-	22,618,700
1SNIL North Interceptor Lift Station	1	2,844,900	-	-	-	-	2,844,900
1SNIP North Interceptor Phase I	1	433,200	-	-	-	-	433,200
1SOC1 Odor Control Master Plan	NA	-	-	-	1,155,000	-	1,155,000
1SPCR WRF Primary Clarifier Rehabilitation	5	1,000,000	-	-	-	-	1,000,000
1SPGA Large Gravity Pipe Condition Assessment	5	-	-	-	-	200,000	200,000
1SPSD Pump Station Decommissions	3	100,000	1,620,000	1,620,000	1,620,000	-	4,960,000
1SSFU Support Facilities Upgrade	5	-	-	500,000	500,000	-	1,000,000
1SSHI Solids Handling Improvements	2	7,750,000	3,000,000	-	-	-	10,750,000
1TNPS Neff & Purcell Intersection	4	394,400	394,400	-	-	-	788,800
		\$ 43,122,500	\$ 21,537,200	\$ 11,553,300	\$ 9,975,000	\$ 6,712,000	\$ 91,900,000

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Estimate Class	Purpose	Project Definition Level Expressed as % of complete definition	Cost Estimate Range Typical variation in high & low 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 - 100% Design)	30% to 75%	+ 20% / - 15%
Class 1	Final (100% Design/Bld opening)	65% to 100%	+ 10% / - 10%
N/A	Not applicable		

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

	Cost Estimate Classification*	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	Total
1RFGU Franklin & Greenwood Underpass	5	\$ -	\$ 120,000	\$ 600,000	\$ 1,500,000	\$ 1,500,000	\$ 3,720,000
1RMNW Minnesota & Wall Stormwater	5	-	-	-	-	324,000	324,000
1RMP1 Stormwater Master Plan Update	NA	-	500,000	-	-	-	500,000
1RNPR Newport Corridor Improvements	4	2,903,000	3,883,000	2,957,000	1,447,000	-	11,190,000
1RRMC Roosevelt & McKinley Stormwater	5	-	-	104,000	475,000	-	579,000
1RTHR Thurston Avenue Stormwater	5	-	-	-	-	103,000	103,000
1TCSI Citywide Safety Improvements	2	-	204,000	-	-	-	204,000
1TEC4 Empire & 27 RAB	1	95,200	-	-	-	-	\$ 95,200
1TEC5 Purcell Butler Market	4	72,400	-	-	-	-	72,400
1TEC6 Purcell Modernization	5	-	75,500	75,500	-	-	151,000
1TMC2 Murphy Brosterhous to 15th	1	529,000	-	-	-	-	529,000
1TMC5 Murphy & Country Club Design	2	290,900	-	-	-	-	290,900
1TMC6 Murphy Corridor Improvements Parrell to Brosterhou	2	674,700	-	-	-	-	674,700
1TNPS Neff & Purcell Intersection	4	294,900	294,900	-	-	-	589,800
		\$ 4,860,100	\$ 5,077,400	\$ 3,736,500	\$ 3,422,000	\$ 1,927,000	\$ 19,023,000

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Estimate Class	Purpose	Project Definition Level Expressed as % of complete definition	Cost Estimate Range Typical variation in high & low 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 - 100% Design)	30% to 75%	+ 20% / -15%
Class 1	Final (100% Design/Bid opening)	65% to 100%	+ 10% / -10%
N/A	Not applicable		

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

	Cost Estimate Classification*	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	Total
1RNPR Newport Corridor Improvements	4	\$ 1,356,000	\$ 1,665,000	\$ 1,531,000	\$ 651,000	\$ -	\$ 5,203,000
1T9WS 9th & Wilson	5	-	-	1,000,000	2,000,000	2,000,000	5,000,000
1TBKE Bicycle Greenways	2	382,700	892,500	-	-	-	1,275,200
1TBMW Butler Mkt/Wells Acres	5	-	-	-	-	3,000,000	3,000,000
1TBRB Bond & Reed Market RAB	5	-	50,000	700,000	-	-	750,000
1TCHI Brosterhaus/Chase	5	-	-	1,000,000	2,000,000	2,000,000	5,000,000
1TCON 27th/Conners Intersection	5	-	-	-	500,000	2,000,000	2,500,000
1TCSI Citywide Safety Improvements	2	100,000	500,000	228,900	-	-	828,900
1TCSR Columbia Roundabout Improvements	5	5,700,000	-	-	-	-	5,700,000
1TEC4 Empire & 27 Intersection	1	2,610,900	-	-	-	-	2,610,900
1TEC5 Purcell Butler Market	4	230,000	2,101,800	-	-	-	2,331,800
1TEC6 Purcell Blvd Modernization	5	609,400	481,000	-	-	-	1,090,400
1TIN 3rd & Reed Market	5	-	500,000	2,500,000	2,000,000	-	5,000,000
1TMC2 Murphy Brosterhaus to 15th	1	4,266,700	-	-	-	-	4,266,700
1TMC5 Murphy & Country Club	2	1,559,200	-	-	-	-	1,559,200
1TMC6 Murphy Corridor Improvements Parrell to Brosterhou	2	4,340,100	-	-	-	-	4,340,100
1TMC1 Murphy Railway Overcrossing	2	4,177,200	-	-	-	-	4,177,200
1TNPS Neff & Purcell Intersection	4	2,606,000	2,606,000	-	-	-	5,212,000
1TR3N Reed Mkt: 3rd to Newberry Plant Establishment	1	40,000	-	-	-	-	40,000
		\$ 27,978,200	\$ 8,796,300	\$ 6,959,900	\$ 7,151,000	\$ 9,000,000	\$ 59,885,400

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Estimate Class	Purpose	Project Definition Level Expressed as % of complete definition	Cost Estimate Range Typical variation in high & low 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 - 100% Design)	30% to 75%	+ 20% / -15%
Class 1	Final (100% Design/Bid opening)	65% to 100%	+ 10% / -10%
N/A	Not applicable		

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

	Cost Estimate Classification*	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	Total
1AADA Accessibility Opportunity Projects	NA	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 300,000
1ABRI Brosterhus Road Accessibility Improvements	4	560,000	-	-	-	-	560,000
1ADEI NW Delaware Accessibility Improvements	5	-	-	600,000	-	-	600,000
1ADIV NE Division Street Corridor	1	520,000	-	-	-	-	520,000
1AMWI Mt Washington Accessibility Improvements	5	-	-	-	100,000	300,000	400,000
1ANAV Norton Avenue Accessibility Improvement	5	-	100,000	-	-	-	100,000
1ANHI NW Hill Accessibility Improvements	5	-	-	-	100,000	300,000	400,000
1ARWI River West Accessibility Improvements	5	-	600,000	-	-	-	600,000
1ASCA Southern Crossing Accessibility Improvements	5	-	-	100,000	400,000	-	500,000
1RNPR Newport Corridor Improvements	4	19,000	32,000	26,000	12,000	-	89,000
1S036 Drake Pump Station	1	282,000	-	-	-	-	282,000
		\$ 1,381,000	\$ 732,000	\$ 826,000	\$ 712,000	\$ 700,000	\$ 4,351,000

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Estimate Class	Purpose	Project Definition Level Expressed as % of complete definition	Cost Estimate Range Typical variation in high & low 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 - 100% Design)	30% to 75%	+ 20% / -15%
Class 1	Final (100% Design/Bid opening)	65% to 100%	+ 10% / -10%
N/A	Not applicable		

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

	Cost Estimate Classification*	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	Total
AP19A Master Plan Update	NA	\$ 250,000	\$ 41,300	\$ -	\$ -	\$ -	291,300
AP21A Master Plan Projects Environmental Assessment	NA	-	250,000	250,000	-	-	500,000
AP22A Runway 16-34 & Taxiway B Seal Coat	5	-	-	500,000	500,000	-	1,000,000
AP23A South Hangar Taxiway Rehab	5	-	-	-	750,000	-	750,000
		\$ 250,000	\$ 291,300	\$ 750,000	\$ 1,250,000	\$ -	\$ 2,541,300

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Estimate Class	Purpose	Project Definition Level Expressed as % of complete definition	Cost Estimate Range Typical variation in high & low 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 - 100% Design)	30% to 75%	+ 20% / -15%
Class 1	Final (100% Design/Bid opening)	65% to 100%	+ 10% / -10%
N/A	Not applicable		

**Facilities Management
Five Year Capital Improvement Program (CIP) Schedule**

	Cost Estimate Classification*	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	Total
FA21BX Juniper Ridge Corporate Yard Roadway Site Gradin	5	\$ 2,190,000	\$ 14,369,000	\$ -	\$ -	\$ -	16,559,000
FA22AX Juniper Ridge Corporate Yard Vehicle Storage/Sho	5	-	2,228,000	13,827,000	-	-	16,055,000
FA23AX Juniper Ridge Corporate Yard Fuel Island	5	-	-	159,000	1,228,000	-	1,387,000
FA24AX Juniper Ridge Corporate Yard Fleet Building	5	-	-	-	1,416,000	9,648,000	11,064,000
FA25AX Juniper Ridge Corporate Yard Administration Buldir	5	-	-	-	-	2,029,000	2,029,000
		\$ 2,190,000	\$ 16,597,000	\$ 13,986,000	\$ 2,644,000	\$ 11,677,000	\$ 47,094,000
			27,038,010				

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Estimate Class	Purpose	Project Definition Level Expressed as % of complete definition	Cost Estimate Range Typical variation in high & low 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 - 100% Design)	30% to 75%	+ 20% / -15%
Class 1	Final (100% Design/Bid opening)	65% to 100%	+ 10% / -10%
N/A	Not applicable		