

**RESOLUTION NO. 2960**

**A RESOLUTION ADOPTING THE 2014-2019 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.
- D. The City of Bend held a public hearing on October 15, 2014 on adoption of the five year CIP.

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

- 1. To adopt the 2014-2019 Capital Improvement Programs, as shown in Exhibit A.

Adopted by a roll call vote of the Bend City Council on October 15, 2014.

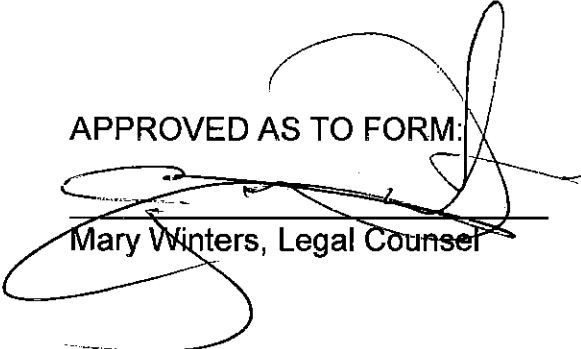
YES:	Mayor Jim Clinton	NO: none
	Councilor Jodie Barram	
	Councilor Mark Capell	
	Councilor Scott Ramsay	
	Councilor Victor Chudowsky	
	Councilor Doug Knight	
	Councilor Sally Russell	

  
\_\_\_\_\_  
Jim Clinton, Mayor

ATTESTS:

  
\_\_\_\_\_  
Robyn Christie, City Recorder

APPROVED AS TO FORM:

  
\_\_\_\_\_  
Mary Winters, Legal Counsel

**Resolution to Adopt 2014-2019 Capital Improvement Program  
Exhibit A**

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

	Cost Estimate Classification *	2014-15	2015-16	2016-17	2017-18	2018-19	5 Year Total
Continuing Projects:							
ST11GA Galveston Corridor Improvements	5	\$ 300,000	\$ 20,000	-	-	-	\$ 320,000
ST11JA Murphy Overcrossing **	2	\$ 1,200,000	-	-	-	-	1,200,000
ST11JA Murphy Overcrossing (Add'l City Improvements)	2	120,000	-	-	-	-	120,000
		<b>\$ 1,620,000</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,640,000</b>
New Projects:							
ST14AX Portland Ave. Bridge Rehabilitation	5	\$ 180,000	\$ 300,000	\$ -	\$ -	\$ -	\$ 480,000
ST14BX Empire Ave. Bridge Rehabilitation	5	-	-	117,500	487,500	-	605,000
ST14CX Sidewalk Design and Projects***	5	400,000	970,000	20,000	-	-	1,390,000
ST14DX Neff and Purcell	5	300,000	500,000	-	-	-	800,000
ST14XX Murphy Road Preliminary Construction	na	50,000	-	-	-	-	50,000
ST17AX Division Street Bridge Replacements****	5	-	-	225,000	650,000	-	875,000
		<b>\$ 930,000</b>	<b>\$ 1,770,000</b>	<b>\$ 362,500</b>	<b>\$ 1,137,500</b>	<b>\$ -</b>	<b>\$ 4,200,000</b>
<b>Total Transportation CIP</b>		<b>\$ 2,550,000</b>	<b>\$ 1,790,000</b>	<b>\$ 362,500</b>	<b>\$ 1,137,500</b>	<b>\$ -</b>	<b>\$ 5,840,000</b>

\* 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%

\*\* Project will be funded out of Murphy Crossing Urban Renewal Fund.

\*\*\* In addition to the amounts listed above, \$100,000 will be transferred in 2014-15 to the Transportation Operation Program for sidewalk construction to be performed by City staff.

\*\*\*\* Preliminary Design Only

**Resolution to Adopt 2014-2019 Capital Improvement Program  
Exhibit A**

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

	<b>Cost Estimate Classification *</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>5 Year Total</b>
Continuing Projects:							
ST12CB Empire/18th Intersection	1	\$ 13,500	\$ 14,200	\$ -	\$ -	\$ -	\$ 27,700
ST12CC Simpson/Mt. Washington RAB	1	48,000	24,000	-	-	-	72,000
ST12CD Powers/Brookwood RAB	1	6,600	5,000	-	-	-	11,600
ST12CE Reed Mkt: Newberry to 27th	1	53,600	14,000	4,000	-	-	71,600
ST12CJ Reed Mkt: 3rd to Newberry	4	7,055,600	3,509,200	-	-	-	10,564,800
ST12CK 14 St. Reconstruction	5	100,000	-	-	-	-	100,000
		<b>\$ 7,277,300</b>	<b>\$ 3,566,400</b>	<b>\$ 4,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,847,700</b>
<b>Total GO Bond CIP</b>		<b>\$ 7,277,300</b>	<b>\$ 3,566,400</b>	<b>\$ 4,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,847,700</b>

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

<b>Estimate Class</b>	<b>Purpose</b>	<b>Project Definition Level</b>	<b>Cost Est. Range</b>
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%

**Resolution to Adopt 2014-2019 Capital Improvement Program  
Exhibit A**

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

	Cost Estimate Classification *	2014-15	2015-16	2016-17	2017-18	2018-19	5 Year Total
New Projects:							
AP13AA Eastside Helipad/Heliport Phase I	5	\$ 1,886,700	\$ 1,857,000	\$ -	\$ -	\$ -	\$ 3,743,700
AP14AA Airport Master Plan Implementation	N/A	30,000	-	-	-	-	30,000
AP14BA Environmental Assessment	5	66,000	-	-	-	-	66,000
AP15AA Airport Urban Renewal Plan Update	N/A	30,000	-	-	-	-	30,000
AP16AA FBO Ramp	5	-	165,000	1,278,800	-	-	1,443,800
AP18AA Eastside Helipad/Heliport Phase II	5	-	-	-	110,000	-	110,000
		<b>\$ 2,012,700</b>	<b>\$ 2,022,000</b>	<b>\$ 1,278,800</b>	<b>\$ 110,000</b>	<b>\$ -</b>	<b>\$ 5,423,500</b>
<b>Total Airport CIP</b>		<b>\$ 2,012,700</b>	<b>\$ 2,022,000</b>	<b>\$ 1,278,800</b>	<b>\$ 110,000</b>	<b>\$ -</b>	<b>\$ 5,423,500</b>

Note: Airport capital improvement projects are pending approval of 90% FAA funding.

\* 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. The Master Plan Implementation and Airport Urban Renewal Plan projects reflect permit-related expenses required to implement the recently adopted Master Plan and long term planning for the Bend Airport, therefore do not fall into the conventional Cost Engineering classification.		

**Resolution to Adopt 2014-2019 Capital Improvement Program  
Exhibit A**

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

		Cost Estimate Classification *	2014-15	2015-16	2016-17	2017-18	2018-19	5 Year Total
Repair and Maintenance:								
Water Line Rehabilitation	N/A	\$	-	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 800,000
Pump Station Replacement	N/A		75,000	-	-	-	-	75,000
WA0904 SCADA/Telemetry Upgrades	N/A		425,000	425,000	425,000	425,000	425,000	2,125,000
			<u>\$ 500,000</u>	<u>\$ 625,000</u>	<u>\$ 625,000</u>	<u>\$ 625,000</u>	<u>\$ 625,000</u>	<u>\$ 3,000,000</u>
Continuing Projects:								
WA0422 Water Rights Acquisition	N/A	\$	100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
WA15BA Water SDC Methodology	N/A		-	60,000	-	-	-	60,000
WA14CJ Reed Market Waterline Upgrade	5		300,000	-	-	-	-	300,000
WA16XX Westwood Reservoir Maintenance			-	300,000	-	-	-	300,000
			<u>\$ 400,000</u>	<u>\$ 460,000</u>	<u>\$ 100,000</u>	<u>\$ 100,000</u>	<u>\$ 100,000</u>	<u>\$ 1,160,000</u>
<b>Total Water CIP</b>			<b>\$ 900,000</b>	<b>\$ 1,085,000</b>	<b>\$ 725,000</b>	<b>\$ 725,000</b>	<b>\$ 725,000</b>	<b>\$ 4,160,000</b>

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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. Repair and maintenance represents a variety of small capital rehabilitative projects, therefore does not conform to conventional Cost Engineering estimates. Water Rights Acquisition as available and Water Modeling as needed.		

**Resolution to Adopt 2014-2019 Capital Improvement Program  
Exhibit A**

**Bridge Creek Intake and Pipeline Replacement, Outback Membrane Water Treatment Plant  
Five Year Capital Improvement Program (CIP) Schedule**

	Cost Estimate Classification *	2014-15	2015-16	2016-17	2017-18	2018-19	5 Year Total
Continuing Projects:							
WA0902 Bridge Creek Intake and Pipeline	1	\$ 35,785,000	\$ 15,700,000	\$ 5,920,000	\$ -	\$ -	\$ 57,405,000
<b>Total</b>		<b>\$ 35,785,000</b>	<b>\$ 15,700,000</b>	<b>\$ 5,920,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 57,405,000</b>

\* 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. The Master Plan Implementation and Airport Urban Renewal Plan projects reflect permit-related expenses required to implement the recently adopted Master Plan and long term planning for the Bend Airport, therefore do not fall into the conventional Cost Engineering classification.		

**Resolution to Adopt 2014-2019 Capital Improvement Program  
Exhibit A**

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

		Cost Estimate Classification *	2014-15	2015-16	2016-17	2017-18	2018-19	5 Year Total
Repair and Maintenance:								
Collection Line Rehabilitation	N/A		\$ 550,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 2,750,000
SW0806 SCADA/Telemetry Upgrades	N/A		300,000	300,000	300,000	300,000	300,000	1,500,000
			\$ 850,000	\$ 850,000	\$ 850,000	\$ 850,000	\$ 850,000	\$ 4,250,000
Continuing Projects:								
SW11BA Valhalla Sewer Relocation	5		\$ 1,561,700	-	-	-	-	1,561,700
SW12AA Collection System Master Plan Update	1		446,600	-	-	-	-	446,600
			\$ 2,008,300	\$ -	\$ -	\$ -	\$ -	\$ 2,008,300
New Projects:								
SW13DA North Area Sewer Capacity Improvements	5		\$ 2,576,300	\$ 5,054,800	-	-	-	\$ 7,631,100
SW13EA Colorado Pump Station and Force Main	3		8,084,700	3,265,900	-	-	-	11,350,600
SW15AA Plant Interceptor Rehabilitation	5		1,723,700	3,650,000	-	-	-	5,373,700
SW15BA Sewer SDC Methodology	N/A		60,000	-	-	-	-	60,000
SW15XX WRF Treatment Plant Upgrades	N/A		-	100,000	100,000	100,000	200,000	500,000
SW17AA WRF Facilities Plan Update	N/A		-	-	500,000	-	-	500,000
SW18AA WRF Support Facilities Upgrade	N/A		-	-	-	-	2,400,000	2,400,000
			\$ 12,444,700	\$ 12,070,700	\$ 600,000	\$ 100,000	\$ 2,600,000	\$ 27,815,400
<b>Total Water Reclamation CIP</b>			<b>\$ 15,303,000</b>	<b>\$ 12,920,700</b>	<b>\$ 1,450,000</b>	<b>\$ 950,000</b>	<b>\$ 3,450,000</b>	<b>\$ 34,073,700</b>

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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. Repair and maintenance represents a variety of small capital rehabilitative projects, therefore does not conform to conventional Cost Engineering estimates. Collection System Modeling as needed.		

**Resolution to Adopt 2014-2019 Capital Improvement Program  
Exhibit A**

**Water Reclamation Facility Secondary Expansion Project  
Five Year Capital Improvement Program (CIP) Schedule**

	Cost Estimate Classification *	2014-15	2015-16	2016-17	2017-18	2018-19	5 Year Total
Continuing Projects:							
SW0802 Secondary Expansion	1	\$ 19,400,000	\$ 3,200,000	\$ -	\$ -	\$ -	\$ 22,600,000
SW14CA Headworks Upgrade	5	1,050,000	-	-	-	-	1,050,000
SW0802 Solids Handling	1	-	-	1,000,000	1,000,000	1,000,000	3,000,000
		<b>\$ 20,450,000</b>	<b>\$ 3,200,000</b>	<b>\$ 1,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ 26,650,000</b>
<b>Total</b>		<b>\$ 20,450,000</b>	<b>\$ 3,200,000</b>	<b>\$ 1,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ 26,650,000</b>

\* 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. The Master Plan Implementation and Airport Urban Renewal Plan projects reflect permit-related expenses required to implement the recently adopted Master Plan and long term planning for the Bend Airport, therefore do not fall into the conventional Cost Engineering classification.		



**Resolution to Adopt 2014-2019 Capital Improvement Program  
Exhibit A**

**Southeast Interceptor Project  
Five Year Capital Improvement Program (CIP) Schedule**

	Cost Estimate Classification *	2014-15	2015-16	2016-17	2017-18	2018-19	5 Year Total
Continuing Projects: SW0707 Southeast Interceptor Project	1	\$ 9,070,000	\$ 9,050,000	\$ 9,050,000	\$ 9,050,000	\$ 6,820,000	\$ 43,040,000
<b>Total</b>		<b>\$ 9,070,000</b>	<b>\$ 9,050,000</b>	<b>\$ 9,050,000</b>	<b>\$ 9,050,000</b>	<b>\$ 6,820,000</b>	<b>\$ 43,040,000</b>

\* 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. The Master Plan Implementation and Airport Urban Renewal Plan projects reflect permit-related expenses required to implement the recently adopted Master Plan and long term planning for the Bend Airport, therefore do not fall into the conventional Cost Engineering classification.		

**Resolution to Adopt 2014-2019 Capital Improvement Program  
Exhibit A**

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

	Cost Estimate Classification *	2014-15	2015-16	2016-17	2017-18	2018-19	5 Year Total
Repair and Maintenance:							
Line Replacement Repair & Maintenance	N/A	\$ 50,000	\$ 253,400	\$ 694,700	\$ 149,000	\$ 175,000	\$ 1,322,100
Continuing Projects:							
SR0802 Drake and Dohema Pump Station	1	\$ 150,000	-	-	-	-	\$ 150,000
SR09AA Third Street Underpass	1	3,500	55,000	-	-	-	58,500
SR15AA Butte and Hillside Drainage Specific Plans	5	-	250,000	-	-	-	250,000
		\$ 153,500	\$ 305,000	\$ -	\$ -	\$ -	\$ 458,500
<b>Total Stormwater CIP</b>		<b>\$ 203,500</b>	<b>\$ 558,400</b>	<b>\$ 694,700</b>	<b>\$ 149,000</b>	<b>\$ 175,000</b>	<b>\$ 1,780,600</b>

\* 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. Line replacement and maintenance represents a variety of small capital rehabilitative projects, therefore does not conform to conventional Cost Engineering estimates.		