

CAPITAL IMPROVEMENT PLAN 2020-2025

PRESENTED BY ADMINISTRATIVE SERVICES

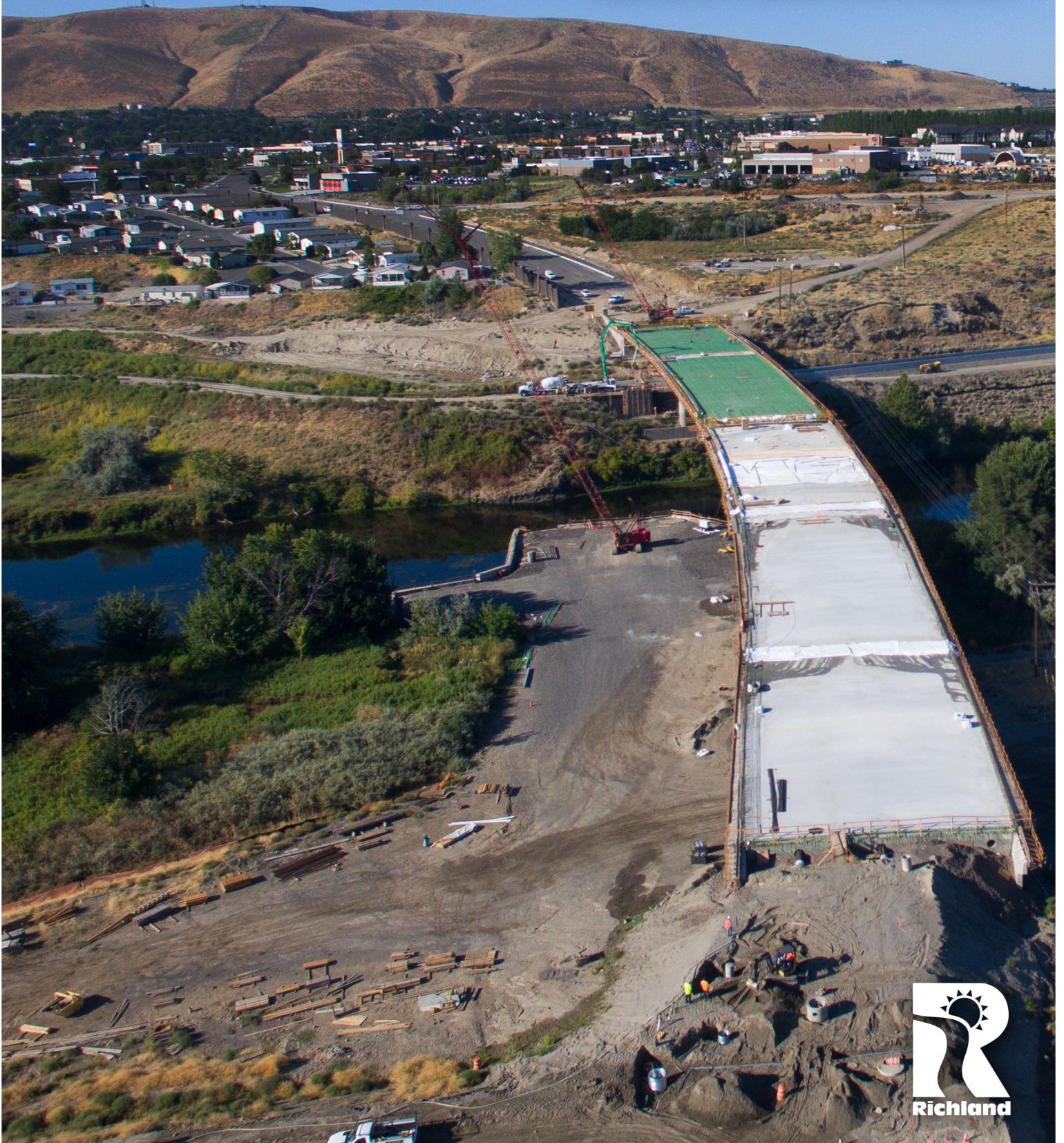


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PROJECT CATEGORIES

Electric	42
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Parks & Public Facilities	69
Solid Waste	85
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Plan Overview

- Plan Overview
- Explanation of Funding Sources
- Target Map
- 6 Core Focus Areas

PLAN OVERVIEW

CAPITAL IMPROVEMENT PLAN

The Capital Improvement Plan (CIP) is a tool for identifying and prioritizing capital projects and major capital purchases for budget consideration. The plan provides a project planning schedule for a six-year period and identifies funding sources for projects approved in the current budget cycle. The CIP serves as an annual identification of specific capital projects described more generally in the City's Comprehensive Plan.

The CIP is useful in coordinating community planning, determining financial capacity and ensuring capital expenditures demonstrate support for the City's Strategic Leadership Plan 6 Core Focus Areas. The CIP is comprised of projects that maintain, enhance, or construct **new** facilities and infrastructure.

The CIP includes a list of capital projects that includes maintenance and improvements of City facilities/infrastructure and new construction projects that add to the City's infrastructure assets. This section provides a separate tab for all project types. All project sheets include a project cost estimate, a description of the project, financing plan and the estimated impact to the operating budget. Each project must identify the Core Focus Area of the Strategic Plan that it supports. The minimum threshold for CIP projects is \$25,000; projects may span several years and have multiple funding sources.

ADVANTAGES OF CAPITAL IMPROVEMENT PLAN

A Capital Improvement Plan provides a long-range plan of projects that add to, upgrade and maintain the City's infrastructure. The Council approved plan provides employees and citizens with a blueprint of planned improvements and long term growth in the City. This process ensures future development supports the City's Strategic Plan, City facilities are maintained, and long range planning for replacement facilities is in place. In addition to these advantages, a CIP:

- Facilitates coordination between capital needs and operating budgets.
- Coordinates public capital investments with other public and private development initiatives.
- Increases opportunities for obtaining federal and state aid and identifying partnership opportunities.
- Focuses attention on community objectives and fiscal capacity.
- Encourages careful project planning and design to help a community reach its desired goals.
- Serves as an effective community education tool by keeping the public informed about future needs and projects.

EXPLANATION OF FUNDING SOURCES

Street Fund (includes the following types of revenues and allowable expenses):

Fuel Tax is derived from the state half-cent motor vehicle fuel tax and must be used for new construction, repair or reconstruction of streets identified in the City's six-year street improvement program and approved by the state.

Utility Charges are charges received from businesses (\$0.91 per employee per month) to fund street overlay projects.

***Utility Occupation Tax** is a portion of the excise tax levied on city utilities that is designated for preserving and repairing city streets.

Mitigation/Impact Fees are fees paid by developers to support transportation related improvements.

Bond Sale Proceeds represent funds on deposit from previously issued bonds.

Revenue/General Obligation Bond Issue refers to funds received from issuing new bonds in the budget year.

General Fund may provide funding to CIP Projects, if resources are available.

Capital Improvement Fund (REET 1st and 2nd one-quarter percent) accounts for proceeds from the one-half of 1% Real Estate Excise Tax assessed on the sale of real property in Richland. REET 1st one-quarter percent is restricted for acquisition and development of local "capital projects" defined in RCW 82.46.010(6), including street and waterworks/stormwater utility infrastructure, and parks, public safety and administrative facilities. REET 2nd one-quarter percent can only be used for acquisition and development of "capital projects" defined in RCW 82.46.035(5), including street and waterworks/stormwater infrastructure. REET funding is only available for capital projects listed in the capital facilities plan element of the City's Comprehensive Plan. In 2011, the State Legislature expanded the uses of REET 1 and REET 2 to temporarily include maintenance and operations of existing capital projects through December 31, 2016. However, during the 2015 Legislative Session the use for maintenance was extended with additional limitations on the amount, provided a written report is prepared and adopted as part of the City's regular budget process. The written report must demonstrate that all funding sources are adequate to fund the CIP for a two-year period.

Facility Fees represent the full upfront cost charged to developers for the extension of electric, water and wastewater services to new properties or developments. The facility fee revenues must be used solely for capital projects related to extending services.

Hotel/Motel Tax Fund is funded by revenues derived from a 4% excise tax on lodging. State law stipulates that revenues collected from the lodging tax be used solely for tourism promotion, acquisition and/or operation of tourism related facilities.

Industrial Development Fund accounts for revenues generated by the sale of industrial property. The proceeds are expended for purposes of industrial development.

Explanation of Funding Sources Continued...

Transportation Benefit District accounts for the annual vehicle fee in the amount of \$20 for the purpose of providing adequate levels of funding for completion of the Duportail Bridge and the Pavement Preservation Program. The fee will sunset with the retirement of the debt to build the Duportail Bridge which will occur in 2039.

Other Agencies/Grants/Loans accounts for a number of different types of federal and state grants for recreation, transportation and water programs as well as low interest loans for public works projects. Contributions from state and local agencies are also included.

Park Reserve Fund accounts for funds received from the sale or lease of park property, mitigation fees levied on new development and any bequests bequeathed to the City for the acquisition or development of parkland. Per City Ordinance #07-02, the funds can be used for acquisition and development of public open spaces devoted to public parks, playgrounds, trails and other recreational purposes.

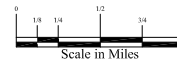
Utility Rate Revenue reflects the revenue from the sale of City Electric, Water, Wastewater, Solid Waste and Storm Water services to the citizens and businesses of Richland.

****Utility Occupation Tax*** is levied on the gross revenues of all utilities operating within the City, including the City's own utility enterprise funds. Tax rates vary by utility type. The majority of the tax revenues are deposited into the General Fund. A small portion was designated by a vote of the citizens of Richland to provide funding for maintaining the City's streets. Another small portion was designated by the voters for public safety purposes.

Donations/Developer Contributions represents donations of in-kind services, land, right-of-ways, and cash from individuals or developers working with the City.

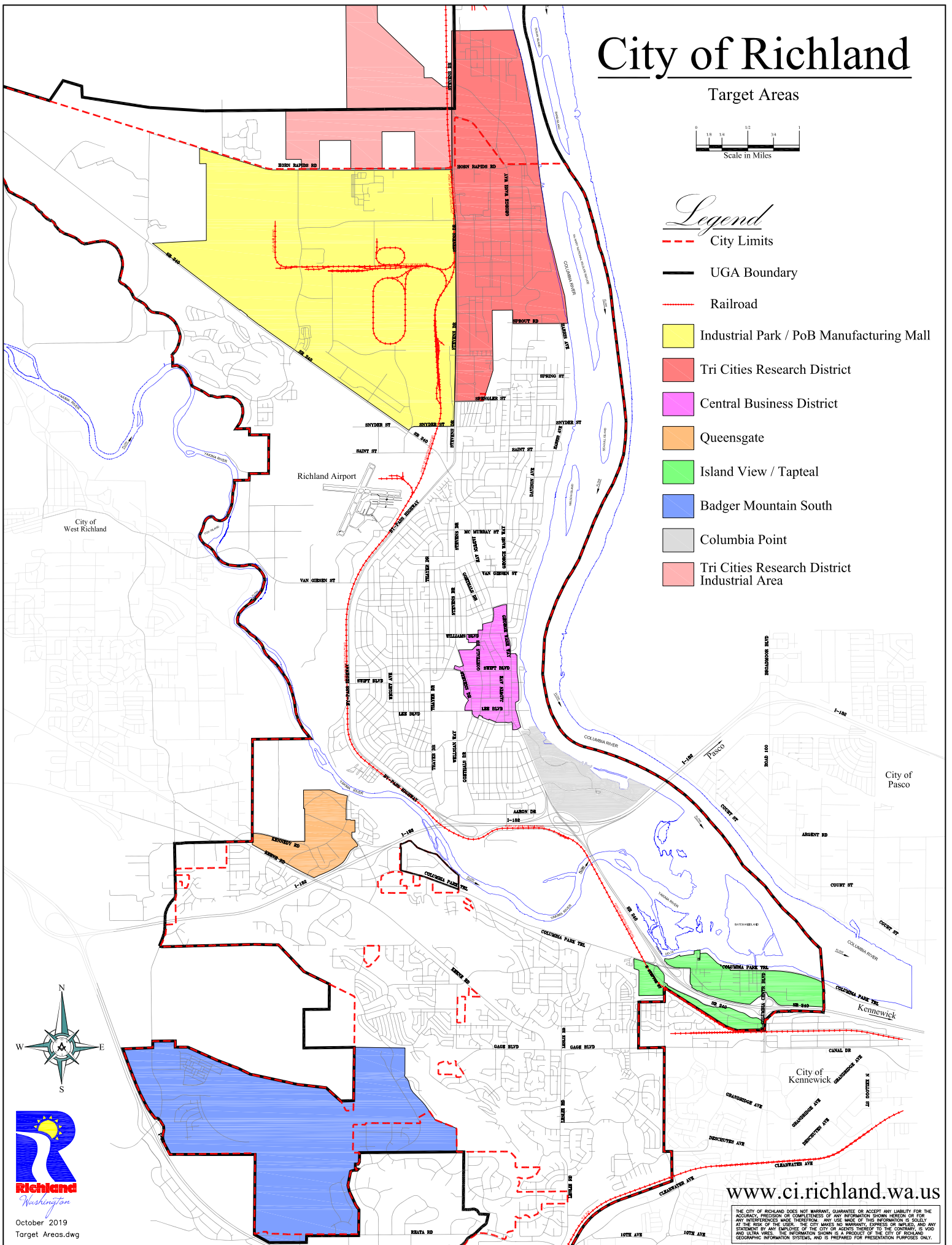
City of Richland

Target Areas



Legend

- City Limits
- UGA Boundary
- Railroad
- Industrial Park / PoB Manufacturing Mall
- Tri Cities Research District
- Central Business District
- Queensgate
- Island View / Tapteal
- Badger Mountain South
- Columbia Point
- Tri Cities Research District Industrial Area



Strategic Leadership Plan

6 Core Focus Areas

- *Promote Financial Stability & Operational Effectiveness*
- *Manage & Maintain Infrastructure & Facilities*
- *Increase Economic Vitality*
- *Manage Our Natural Resources*
- *Maximize Community Amenities*
- *Enhance Neighborhoods & Community Safety*

2020 Projects

- Summary of 2020 Preliminary Capital Improvement Projects and Funding Summary



Project Costs and Funding Sources

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Project Summaries

- All Project Costs by Year
- Summary – Project Costs by Department/Year
- Detail – Project Costs by Department/Year
- Summary – Funding Sources by Department/Year
- Summary funding Source List by Year



Capital Improvement Plan

2020 thru 2025

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All Projects Cost by Year

Project Name	Department	Project #	Project Cost
2020			
Kingsgate Substation	Electric	ES130003	\$1,112,000
Leslie Rd Substation	Electric	ES130004	\$1,421,900
Advanced Metering Infrastructure	Electric	ES130005	\$3,771,000
Line Extensions	Electric	ES130008	\$1,288,000
Purchase Southwest Service Area Infrastructure	Electric	ES130009	\$359,000
Renewal & Replacement	Electric	ES130010	\$1,958,401
Systems Improvements	Electric	ES130011	\$4,309,500
Public Safety Facility - Fire Station 73 Replacement	Municipal	MN130005	\$4,500,000
Equipment Replacement Program	Municipal	MN140016	\$5,771,853
ERP System (Financial Software replacement)	Municipal	MN140018	\$1,247,805
Broadband Fund-Leased Fiber Extensions	Municipal	MN160001	\$200,000
Public Safety Facility - Fire Station 75	Municipal	MN170003	\$5,748,605
IDF Economic Development Road Projects	Municipal	MN190002	\$3,100,000
Horn Rapids Irrigation	Municipal	MN190003	\$150,000
Badger Mountain Park Improvements	Parks	PR130001	\$250,000
West Village Park at Badger Mountain South	Parks	PR130005	\$550,000
City-Wide Tree Replacement	Parks	PR130016	\$20,000
Municipal Facilities Renewal & Improvement Program	Parks	PR140020	\$390,000
Parks Facilities Renewal & Improvement Program	Parks	PR140021	\$250,000
Parks & Neighborhood Safety Program	Parks	PR160005	\$10,000
Rivers to Ridges Trail: Badger Mountain Section	Parks	PR170004	\$1,330,000
Hanford Legacy Park	Parks	PR190001	\$100,000
City View Park Land Acquisition	Parks	PR190003	\$50,000
GSA Parking Acquisition and Improvement	Parks	PR190005	\$400,000



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All Projects Cost by Year

Project Name	Department	Project #	Project Cost
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	\$105,000
Water Quality Retrofit Program	Stormwater	ST130006	\$260,000
Disposal Capacity Improvements	Solid Waste	SW130002	\$1,065,000
Solid Waste Facility Improvements	Solid Waste	SW160001	\$20,000
Compressed Natural Gas Fuel Conversion	Solid Waste	SW190001	\$125,000
Duportail Bridge	Transportation	TR130001	\$4,696,154
Pavement Preservation Program	Transportation	TR130003	\$1,751,846
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	\$100,000
South GWW Intersection Improvements	Transportation	TR130011	\$300,000
Columbia Park Trail Improvements - East	Transportation	TR140016	\$4,915,785
Step toe Street / Tap teal Drive Intersection Improvements	Transportation	TR140017	\$20,000
Center Parkway-South-Leslie Road to Clearwater Creek	Transportation	TR140019	\$60,000
Vantage Highway Pathway - Phase 2	Transportation	TR140020	\$120,000
South Richland Collector Streets	Transportation	TR160005	\$125,000
Island View to Vista Field Trail	Transportation	TR180006	\$100,000
SR240 Flyover at Aaron	Transportation	TR180008	\$800,000
Duportail / Keene Intersection Improvement	Transportation	TR190002	\$784,000
Duportail / Queensgate Intersection Improvement	Transportation	TR190004	\$504,700
Traffic Signal Systemic Safety Upgrades	Transportation	TR190006	\$522,500
Van Giesen / SR-240 Intersection Improvements	Transportation	TR190007	\$75,000
Distribution System Repairs & Replacement	Water	WA130002	\$955,000
Irrigation Utility Capital Improvements	Water	WA130003	\$100,000
Water Treatment Plant Renewal & Replacement	Water	WA130007	\$500,000
Yakima River Crossing Pipeline Replacement	Water	WA130008	\$1,086,365
Automatic Meter Reading System	Water	WA160001	\$2,300,000
Columbia River Intake Screen Upgrade	Water	WA160002	\$4,330,000
Island View Supply Redundancy Project	Water	WA160006	\$385,000



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All Projects Cost by Year

Project Name	Department	Project #	Project Cost
Columbia Playfield Improvements	Waterfront	WF140007	\$75,000
John Dam Plaza Improvements	Waterfront	WF140008	\$250,000
Shoreline Enhancement & Bank Stabilization	Waterfront	WF140010	\$225,000
Howard Amon Park Improvements	Waterfront	WF140011	\$300,000
Columbia Point Marina Park Enhancements	Waterfront	WF150015	\$50,000
George Prout Pool Renewal	Waterfront	WF170001	\$130,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	\$3,600,000
Department of Energy Land Transfer Sewer Extension	Wastewater	WW190001	\$750,000
2020 Total:			\$69,774,414

2021

Kingsgate Substation	Electric	ES130003	\$3,711,000
Electrical Substation Improvements	Electric	ES130007	\$709,000
Line Extensions	Electric	ES130008	\$1,288,000
Purchase Southwest Service Area Infrastructure	Electric	ES130009	\$158,000
Renewal & Replacement	Electric	ES130010	\$4,400,002
Systems Improvements	Electric	ES130011	\$1,613,000
Equipment Replacement Program	Municipal	MN140016	\$5,628,056
ERP System (Financial Software replacement)	Municipal	MN140018	\$1,385,112
Broadband Fund-Leased Fiber Extensions	Municipal	MN160001	\$200,000
IDF Economic Development Road Projects	Municipal	MN190002	\$1,300,000
Horn Rapids Irrigation	Municipal	MN190003	\$100,000
Badger Mountain Park Improvements	Parks	PR130001	\$280,000
City-Wide Tree Replacement	Parks	PR130016	\$20,000
Municipal Facilities Renewal & Improvement Program	Parks	PR140020	\$390,000
Parks Facilities Renewal & Improvement Program	Parks	PR140021	\$250,000
Parks & Neighborhood Safety Program	Parks	PR160005	\$10,000



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All Projects Cost by Year

Project Name	Department	Project #	Project Cost
Claybell Park Renewal & Replacement	Parks	PR190002	\$250,000
City View Park Land Acquisition	Parks	PR190003	\$270,000
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	\$110,000
Water Quality Retrofit Program	Stormwater	ST130006	\$370,000
Landfill Closure, Phase 2	Solid Waste	SW130003	\$3,555,000
Solid Waste Facility Improvements	Solid Waste	SW160001	\$20,000
Compressed Natural Gas Fuel Conversion	Solid Waste	SW190001	\$3,110,000
Center Parkway - North - Gage to Tapteal Drive	Transportation	TR130002	\$1,580,264
Pavement Preservation Program	Transportation	TR130003	\$2,985,652
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	\$100,000
South GWW Intersection Improvements	Transportation	TR130011	\$300,000
Step toe Street / Tapteal Drive Intersection Improvements	Transportation	TR140017	\$1,411,000
Center Parkway-South-Leslie Road to Clearwater Creek	Transportation	TR140019	\$1,995,000
Vantage Highway Pathway - Phase 2	Transportation	TR140020	\$1,204,000
South Richland Collector Streets	Transportation	TR160005	\$125,000
Van Giesen / Thayer Intersection Improvements	Transportation	TR180001	\$741,200
SR240 Flyover at Aaron	Transportation	TR180008	\$1,000,000
Swift Blvd / SR-240 Intersection Improvements	Transportation	TR190005	\$235,000
Distribution System Repairs & Replacement	Water	WA130002	\$350,000
Irrigation Utility Capital Improvements	Water	WA130003	\$100,000
Water Treatment Plant Renewal & Replacement	Water	WA130007	\$350,000
Tapteal I Booster Pump Station Upgrade	Water	WA160010	\$500,000
Water System Water Hammer Mitigation	Water	WA170001	\$100,000
Columbia Playfield Improvements	Waterfront	WF140007	\$700,000
John Dam Plaza Improvements	Waterfront	WF140008	\$100,000
Shoreline Enhancement & Bank Stabilization	Waterfront	WF140010	\$225,000
Howard Amon Park Improvements	Waterfront	WF140011	\$590,000



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All Projects Cost by Year

Project Name	Department	Project #	Project Cost
Columbia Point Marina Park Enhancements	Waterfront	WF150015	\$190,000
Collection System Renewal & Replacement	Wastewater	WW130001	\$1,830,100
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	\$606,000
Department of Energy Land Transfer Sewer Extension	Wastewater	WW190001	\$2,650,000
2021 Total:			\$49,095,386

2022

Dallas Rd Area Improvements	Electric	ES130001	\$1,093,000
Hanford Substation	Electric	ES130002	\$1,377,000
Kingsgate Substation	Electric	ES130003	\$680,000
Electrical Substation Improvements	Electric	ES130007	\$3,887,000
Line Extensions	Electric	ES130008	\$1,288,000
Purchase Southwest Service Area Infrastructure	Electric	ES130009	\$200,000
Renewal & Replacement	Electric	ES130010	\$3,222,003
Systems Improvements	Electric	ES130011	\$1,740,000
Equipment Replacement Program	Municipal	MN140016	\$4,060,627
ERP System (Financial Software replacement)	Municipal	MN140018	\$102,390
IDF Economic Development Road Projects	Municipal	MN190002	\$1,600,000
Horn Rapids Irrigation	Municipal	MN190003	\$100,000
Badger Mountain Park Improvements	Parks	PR130001	\$280,000
City-Wide Tree Replacement	Parks	PR130016	\$20,000
Municipal Facilities Renewal & Improvement Program	Parks	PR140020	\$390,000
Parks Facilities Renewal & Improvement Program	Parks	PR140021	\$250,000
Horn Rapids Athletic Complex Infield & Fence Renewal	Parks	PR160003	\$90,000
Claybell Park Renewal & Replacement	Parks	PR190002	\$40,000
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	\$115,000
Water Quality Retrofit Program	Stormwater	ST130006	\$287,000



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All Projects Cost by Year

Project Name	Department	Project #	Project Cost
Solid Waste Facility Improvements	Solid Waste	SW160001	\$20,000
Pavement Preservation Program	Transportation	TR130003	\$2,991,070
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	\$100,000
South GWW Intersection Improvements	Transportation	TR130011	\$650,000
South GWW Pedestrian Access & Safety Improvement	Transportation	TR160004	\$212,180
South Richland Collector Streets	Transportation	TR160005	\$125,000
SR240 Flyover at Aaron	Transportation	TR180008	\$30,000,000
Duportail / Kennedy Intersection Improvement	Transportation	TR190003	\$500,000
Distribution System Repairs & Replacement	Water	WA130002	\$597,000
Irrigation Utility Capital Improvements	Water	WA130003	\$100,000
Water Treatment Plant Renewal & Replacement	Water	WA130007	\$50,000
Water System Water Hammer Mitigation	Water	WA170001	\$896,000
John Dam Plaza Improvements	Waterfront	WF140008	\$220,000
Shoreline Enhancement & Bank Stabilization	Waterfront	WF140010	\$530,000
Howard Amon Park Improvements	Waterfront	WF140011	\$400,000
Columbia Point Marina Park Enhancements	Waterfront	WF150015	\$400,000
Leslie Groves Park Enhancements	Waterfront	WF160002	\$680,000
Collection System Renewal & Replacement	Wastewater	WW130001	\$2,003,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	\$626,000
2022 Total:			\$61,922,270

2023

Dallas Rd Area Improvements	Electric	ES130001	\$1,610,000
Hanford Substation	Electric	ES130002	\$2,861,000
Kingsgate Substation	Electric	ES130003	\$510,000
Electrical Substation Improvements	Electric	ES130007	\$1,862,000
Line Extensions	Electric	ES130008	\$1,288,000



Capital Improvement Plan

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All Projects Cost by Year

Project Name	Department	Project #	Project Cost
Renewal & Replacement	Electric	ES130010	\$2,989,004
Systems Improvements	Electric	ES130011	\$454,000
Public Safety Facility - Northwest	Municipal	MN130009	\$5,390,000
Equipment Replacement Program	Municipal	MN140016	\$2,683,223
Public Safety Facility - Southeast Reatta	Municipal	MN170001	\$6,200,000
IDF Economic Development Road Projects	Municipal	MN190002	\$3,650,000
Badger Mountain Park Improvements	Parks	PR130001	\$330,000
West Village Park at Badger Mountain South	Parks	PR130005	\$1,500,000
City-Wide Tree Replacement	Parks	PR130016	\$20,000
Municipal Facilities Renewal & Improvement Program	Parks	PR140020	\$390,000
Parks Facilities Renewal & Improvement Program	Parks	PR140021	\$250,000
Hanford Legacy Park	Parks	PR190001	\$6,100,000
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	\$120,000
Water Quality Retrofit Program	Stormwater	ST130006	\$405,000
Solid Waste Facility Improvements	Solid Waste	SW160001	\$20,000
Pavement Preservation Program	Transportation	TR130003	\$2,996,471
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	\$100,000
South GWW Intersection Improvements	Transportation	TR130011	\$6,618,770
Queensgate Drive - Phase 1	Transportation	TR140018	\$652,780
Gage Boulevard Improvements	Transportation	TR150023	\$170,000
South GWW Pedestrian Access & Safety Improvement	Transportation	TR160004	\$2,546,170
South Richland Collector Streets	Transportation	TR160005	\$125,000
Island View to Vista Field Trail	Transportation	TR180006	\$667,940
Dallas Road / Ava Way Intersection Improvements	Transportation	TR180007	\$500,000
Dallas Road / Trowbridge Blvd Intersection Improvements	Transportation	TR180010	\$65,000
Trowbridge Boulevard - Ava to Rd B-C	Transportation	TR180011	\$1,903,470
Dallas Road Widening	Transportation	TR180012	\$274,270



Capital Improvement Plan

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All Projects Cost by Year

Project Name	Department	Project #	Project Cost
Bella Coola Lane	Transportation	TR180015	\$2,392,550
Gage Boulevard Extension	Transportation	TR180020	\$1,176,130
Wright / Swift Intersection Improvement	Transportation	TR190008	\$90,000
Distribution System Repairs & Replacement	Water	WA130002	\$615,000
Irrigation Utility Capital Improvements	Water	WA130003	\$100,000
Water Treatment Plant Renewal & Replacement	Water	WA130007	\$369,000
Water Treatment Plant Pumping Capacity Improvements	Water	WA170002	\$766,000
Fire Station 71 Replacement - Public Safety Facility	Waterfront	WF140004	\$5,300,000
Shoreline Enhancement & Bank Stabilization	Waterfront	WF140010	\$530,000
Columbia Point Marina Park Enhancements	Waterfront	WF150015	\$560,000
Collection System Renewal & Replacement	Wastewater	WW130001	\$2,068,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	\$646,000
2023 Total:			\$69,864,778

2024

Dallas Rd Area Improvements	Electric	ES130001	\$2,932,000
Kingsgate Substation	Electric	ES130003	\$253,000
Electrical Substation Improvements	Electric	ES130007	\$3,868,000
Line Extensions	Electric	ES130008	\$1,226,000
Renewal & Replacement	Electric	ES130010	\$2,667,005
Systems Improvements	Electric	ES130011	\$432,000
Equipment Replacement Program	Municipal	MN140016	\$3,520,967
IDF Economic Development Road Projects	Municipal	MN190002	\$4,500,000
City-Wide Tree Replacement	Parks	PR130016	\$20,000
Municipal Facilities Renewal & Improvement Program	Parks	PR140020	\$390,000
Parks Facilities Renewal & Improvement Program	Parks	PR140021	\$250,000
South Orchard Park at Badger Mountain South	Parks	PR190004	\$330,000



Capital Improvement Plan

2020 thru 2025

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All Projects Cost by Year

Project Name	Department	Project #	Project Cost
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	\$125,000
Water Quality Retrofit Program	Stormwater	ST130006	\$160,000
Solid Waste Facility Improvements	Solid Waste	SW160001	\$20,000
Pavement Preservation Program	Transportation	TR130003	\$3,356,852
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	\$100,000
Queensgate Drive - Phase 1	Transportation	TR140018	\$256,730
Gage Boulevard Improvements	Transportation	TR150023	\$1,515,000
Queensgate Drive - Phase 2	Transportation	TR150025	\$651,860
Stevens Drive Pathway	Transportation	TR150026	\$74,260
Vantage Highway Pathway - Phase 3	Transportation	TR150027	\$54,590
South Richland Collector Streets	Transportation	TR160005	\$125,000
Island View to Vista Field Trail	Transportation	TR180006	\$164,800
Shockley Road Extension	Transportation	TR180009	\$333,597
Dallas Road / Trowbridge Blvd Intersection Improvements	Transportation	TR180010	\$435,000
Trowbridge Boulevard - Ava to Rd B-C	Transportation	TR180011	\$1,409,540
Dallas Road Widening	Transportation	TR180012	\$914,230
Dallas Rd / I-82 Westbound Ramp Intersection Improvements	Transportation	TR180013	\$78,000
Dallas Rd / I-82 Eastbound Ramp Intersection Improvements	Transportation	TR180014	\$78,000
Bella Coola Lane	Transportation	TR180015	\$1,781,400
Road B-C / Trowbridge Intersection Improvements	Transportation	TR180018	\$65,000
Road B-C	Transportation	TR180019	\$1,378,550
Gage Boulevard Extension	Transportation	TR180020	\$823,130
Kingsgate / Queensgate Corridor Improvements	Transportation	TR180021	\$18,763,910
Duportail Driveway Intersection Improvement	Transportation	TR190001	\$500,000
Wright / Swift Intersection Improvement	Transportation	TR190008	\$924,300
Distribution System Repairs & Replacement	Water	WA130002	\$633,000
Irrigation Utility Capital Improvements	Water	WA130003	\$100,000



Capital Improvement Plan

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All Projects Cost by Year

Project Name	Department	Project #	Project Cost
Water Treatment Plant Renewal & Replacement	Water	WA130007	\$50,000
Tapteal I Booster Pump Station Upgrade	Water	WA160010	\$1,647,000
Shoreline Enhancement & Bank Stabilization	Waterfront	WF140010	\$530,000
Columbia Pt. Golf Course Clubhouse Modernization & Course Improvements	Waterfront	WF160003	\$836,000
Collection System Renewal & Replacement	Wastewater	WW130001	\$2,135,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	\$667,000
Upper North Interceptor Improvements	Wastewater	WW190002	\$2,238,000
Bellerive Lift Station Pump Upgrade & Downstream Improvements	Wastewater	WW190003	\$1,900,000
2024 Total:			\$65,213,721

2025

Dallas Rd Area Improvements	Electric	ES130001	\$2,755,000
Electrical Substation Improvements	Electric	ES130007	\$2,377,000
Line Extensions	Electric	ES130008	\$1,226,000
Renewal & Replacement	Electric	ES130010	\$4,793,005
Systems Improvements	Electric	ES130011	\$432,000
Public Safety Facility - Badger Mountain South	Municipal	MN130007	\$6,365,000
Equipment Replacement Program	Municipal	MN140016	\$5,051,615
City-Wide Tree Replacement	Parks	PR130016	\$20,000
Hanford Legacy Park	Parks	PR190001	\$5,500,000
City View Park Land Acquisition	Parks	PR190003	\$2,000,000
South Orchard Park at Badger Mountain South	Parks	PR190004	\$550,000
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	\$130,000
Water Quality Retrofit Program	Stormwater	ST130006	\$160,000
Shockley Storm Mainline Conveyance	Stormwater	ST190001	\$1,100,000
Pavement Preservation Program	Transportation	TR130003	\$3,359,699



Capital Improvement Plan

2020 thru 2025

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FIN-BUD-CIP-001

All Projects Cost by Year

Project Name	Department	Project #	Project Cost
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	\$100,000
Queensgate Drive - Phase 2	Transportation	TR150025	\$440,160
Stevens Drive Pathway	Transportation	TR150026	\$933,590
Vantage Highway Pathway - Phase 3	Transportation	TR150027	\$600,490
South Richland Collector Streets	Transportation	TR160005	\$125,000
Island View to Vista Field Trail	Transportation	TR180006	\$4,377,500
Shockley Road Extension	Transportation	TR180009	\$270,000
Dallas Rd / I-82 Westbound Ramp Intersection Improvements	Transportation	TR180013	\$522,000
Dallas Rd / I-82 Eastbound Ramp Intersection Improvements	Transportation	TR180014	\$522,000
Road B-C / Trowbridge Intersection Improvements	Transportation	TR180018	\$435,000
Road B-C	Transportation	TR180019	\$542,180
Kingsgate / Queensgate Corridor Improvements	Transportation	TR180021	\$47,444,500
Distribution System Repairs & Replacement	Water	WA130002	\$652,000
Irrigation Utility Capital Improvements	Water	WA130003	\$100,000
Water Treatment Plant Renewal & Replacement	Water	WA130007	\$391,000
John Dam Plaza Improvements	Waterfront	WF140008	\$500,000
Shoreline Enhancement & Bank Stabilization	Waterfront	WF140010	\$230,000
Collection System Renewal & Replacement	Wastewater	WW130001	\$2,065,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	\$687,000
2025 Total:			\$96,756,739
Report Total:			\$412,627,308



Capital Improvement Plan

2020 thru 2025 - Project Cost

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FIN-BUD-CIP-002-
DeptSummary

Summary-Project Costs by Department/Year

Department	Project #	\$ through 2018	Budget Rem. 2019	2020	2021	2022	2023	2024	2025	Total
Electric		0	3,771,000	14,219,801	11,879,002	13,487,003	11,574,004	11,378,005	11,583,005	77,891,820
Municipal		10,727,032	7,632,729	20,718,263	8,613,168	5,863,017	17,923,223	8,020,967	11,416,615	90,915,014
Parks		6,657,001	1,533,862	3,350,000	1,470,000	1,070,000	8,590,000	990,000	8,070,000	31,730,863
Solid Waste		335,818	5,398,000	1,210,000	6,685,000	20,000	20,000	20,000	0	13,688,818
Stormwater		2,428,624	1,847,593	365,000	480,000	402,000	525,000	285,000	1,390,000	7,723,217
Transportation		21,909,658	20,418,227	14,874,985	11,677,116	34,578,250	20,278,551	33,783,749	59,672,119	217,192,655
Wastewater		11,984,704	4,145,723	4,350,000	5,086,100	2,629,000	2,714,000	6,940,000	2,752,000	40,601,527
Water		37,014,931	7,757,949	9,656,365	1,400,000	1,643,000	1,850,000	2,430,000	1,143,000	62,895,245
Waterfront		6,089,409	1,275,000	1,030,000	1,805,000	2,230,000	6,390,000	1,366,000	730,000	20,915,409
Report Total:		97,147,177	53,780,083	69,774,414	49,095,386	61,922,270	69,864,778	65,213,721	96,756,739	563,554,568



Capital Improvement Plan

2020 thru 2025 - Project Cost

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FIN-BUD-CIP-002-
DeptProjects

Detail - Project Costs by Department/Year

Department	Project #	\$ through 2018	Budget Rem. 2019	2020	2021	2022	2023	2024	2025	Total
Electric										
Advanced Metering Infrastructure	ES130005	0	3,771,000	3,771,000	0	0	0	0	0	7,542,000
Dallas Rd Area Improvements	ES130001	0	0	0	0	1,093,000	1,610,000	2,932,000	2,755,000	8,390,000
Electrical Substation Improvements	ES130007	0	0	0	709,000	3,887,000	1,862,000	3,868,000	2,377,000	12,703,000
Hanford Substation	ES130002	0	0	0	0	1,377,000	2,861,000	0	0	4,238,000
Kingsgate Substation	ES130003	0	0	1,112,000	3,711,000	680,000	510,000	253,000	0	6,266,000
Leslie Rd Substation	ES130004	0	0	1,421,900	0	0	0	0	0	1,421,900
Line Extensions	ES130008	0	0	1,288,000	1,288,000	1,288,000	1,288,000	1,226,000	1,226,000	7,604,000
Purchase Southwest Service Area Infrastructure	ES130009	0	0	359,000	158,000	200,000	0	0	0	717,000
Renewal & Replacement	ES130010	0	0	1,958,401	4,400,002	3,222,003	2,989,004	2,667,005	4,793,005	20,029,420
Systems Improvements	ES130011	0	0	4,309,500	1,613,000	1,740,000	454,000	432,000	432,000	8,980,500
Electric Total:		0	3,771,000	14,219,801	11,879,002	13,487,003	11,574,004	11,378,005	11,583,005	77,891,820
Municipal										
Animal Control Shelter	MN130001	1,500,000	0	0	0	0	0	0	0	1,500,000
Broadband Fund-Leased Fiber Extensions	MN160001	300,000	200,000	200,000	200,000	0	0	0	0	900,000
Equipment Replacement Program	MN140016	3,277,269	3,842,178	5,771,853	5,628,056	4,060,627	2,683,223	3,520,967	5,051,615	33,835,788
ERP System (Financial Software replacement)	MN140018	4,024,763	2,415,551	1,247,805	1,385,112	102,390	0	0	0	9,175,621
Horn Rapids Irrigation	MN190003	0	0	150,000	100,000	100,000	0	0	0	350,000
IDF Economic Development Road Projects	MN190002	1,625,000	1,175,000	3,100,000	1,300,000	1,600,000	3,650,000	4,500,000	0	16,950,000
Public Safety Facility - Badger Mountain South	MN130007	0	0	0	0	0	0	0	6,365,000	6,365,000
Public Safety Facility - Fire Station 73 Replacement	MN130005	0	0	4,500,000	0	0	0	0	0	4,500,000
Public Safety Facility - Fire Station 75	MN170003	0	0	5,748,605	0	0	0	0	0	5,748,605



Capital Improvement Plan

2020 thru 2025 - Project Cost

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DeptProjects

Detail - Project Costs by Department/Year

Public Safety Facility - Northwest	MN130009	0	0	0	0	0	5,390,000	0	0	5,390,000
Public Safety Facility - Southeast Reatta	MN170001	0	0	0	0	0	6,200,000	0	0	6,200,000

Municipal Total:		10,727,032	7,632,729	20,718,263	8,613,168	5,863,017	17,923,223	8,020,967	11,416,615	90,915,014
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Parks

Badger Mountain Park Improvements	PR130001	808,502	290,000	250,000	280,000	280,000	330,000	0	0	2,238,502
City View Park Land Acquisition	PR190003	0	0	50,000	270,000	0	0	0	2,000,000	2,320,000
City-Wide Tree Replacement	PR130016	120,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	260,000
Claybell Park Renewal & Replacement	PR190002	0	0	0	250,000	40,000	0	0	0	290,000
GSA Parking Acquisition and Improvement	PR190005	0	0	400,000	0	0	0	0	0	400,000
Hanford Legacy Park	PR190001	0	0	100,000	0	0	6,100,000	0	5,500,000	11,700,000
Horn Rapids Athletic Complex Infield & Fence Renewal	PR160003	80,000	50,000	0	0	90,000	0	0	0	220,000
Municipal Facilities Renewal & Improvement Program	PR140020	2,217,499	538,862	390,000	390,000	390,000	390,000	390,000	0	4,706,361
Parks & Neighborhood Safety Program	PR160005	111,000	10,000	10,000	10,000	0	0	0	0	141,000
Parks Facilities Renewal & Improvement Program	PR140021	820,000	400,000	250,000	250,000	250,000	250,000	250,000	0	2,470,000
Rivers to Ridges Trail: Badger Mountain Section	PR170004	2,500,000	225,000	1,330,000	0	0	0	0	0	4,055,000
South Orchard Park at Badger Mountain South	PR190004	0	0	0	0	0	0	330,000	550,000	880,000
West Village Park at Badger Mountain South	PR130005	0	0	550,000	0	0	1,500,000	0	0	2,050,000

Parks Total:		6,657,001	1,533,862	3,350,000	1,470,000	1,070,000	8,590,000	990,000	8,070,000	31,730,863
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Solid Waste

Compressed Natural Gas Fuel Conversion	SW190001	0	0	125,000	3,110,000	0	0	0	0	3,235,000
Disposal Capacity Improvements	SW130002	194,663	5,153,000	1,065,000	0	0	0	0	0	6,412,663
Landfill Closure, Phase 2	SW130003	0	225,000	0	3,555,000	0	0	0	0	3,780,000
Solid Waste Facility Improvements	SW160001	141,155	20,000	20,000	20,000	20,000	20,000	20,000	0	261,155



Capital Improvement Plan

2020 thru 2025 - Project Cost

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DeptProjects

Detail - Project Costs by Department/Year

Solid Waste Total:	335,818	5,398,000	1,210,000	6,685,000	20,000	20,000	20,000	0	13,688,818
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Stormwater

Shockley Storm Mainline Conveyance	ST190001	0	0	0	0	0	0	1,100,000	1,100,000
Stormwater Rehabilitation & Replacement	ST130001	1,466,032	128,024	105,000	110,000	115,000	120,000	125,000	2,299,056
Water Quality Retrofit Program	ST130006	962,592	1,719,569	260,000	370,000	287,000	405,000	160,000	4,324,161
Stormwater Total:		2,428,624	1,847,593	365,000	480,000	402,000	525,000	285,000	7,723,217

Transportation

ADA Compliance / Sidewalk Repairs Program	TR130004	967,236	270,199	100,000	100,000	100,000	100,000	100,000	100,000	1,837,435
Bella Coola Lane	TR180015	0	0	0	0	0	2,392,550	1,781,400	0	4,173,950
Center Parkway - North - Gage to Tapteal Drive	TR130002	3,199,938	672,012	0	1,580,264	0	0	0	0	5,452,214
Center Parkway-South-Leslie Road to Clearwater Creek	TR140019	180,692	169,308	60,000	1,995,000	0	0	0	0	2,405,000
Columbia Park Trail Improvements - East	TR140016	106	104,894	4,915,785	0	0	0	0	0	5,020,785
Dallas Rd / I-82 Eastbound Ramp Intersection Improvements	TR180014	0	0	0	0	0	0	78,000	522,000	600,000
Dallas Rd / I-82 Westbound Ramp Intersection Improvements	TR180013	0	0	0	0	0	0	78,000	522,000	600,000
Dallas Road / Ava Way Intersection Improvements	TR180007	0	0	0	0	0	500,000	0	0	500,000
Dallas Road / Trowbridge Blvd Intersection Improvements	TR180010	0	0	0	0	0	65,000	435,000	0	500,000
Dallas Road Widening	TR180012	0	0	0	0	0	274,270	914,230	0	1,188,500
Duportail / Keene Intersection Improvement	TR190002	0	0	784,000	0	0	0	0	0	784,000
Duportail / Kennedy Intersection Improvement	TR190003	0	0	0	0	500,000	0	0	0	500,000
Duportail / Queensgate Intersection Improvement	TR190004	0	0	504,700	0	0	0	0	0	504,700
Duportail Bridge	TR130001	15,317,998	17,447,409	4,696,154	0	0	0	0	0	37,461,561
Duportail Driveway Intersection Improvement	TR190001	0	0	0	0	0	0	500,000	0	500,000



Capital Improvement Plan

2020 thru 2025 - Project Cost

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DeptProjects

Detail - Project Costs by Department/Year

Gage Boulevard Extension	TR180020	0	0	0	0	0	1,176,130	823,130	0	1,999,260
Gage Boulevard Improvements	TR150023	0	0	0	0	0	170,000	1,515,000	0	1,685,000
Island View to Vista Field Trail	TR180006	0	0	100,000	0	0	667,940	164,800	4,377,500	5,310,240
Kingsgate / Queensgate Corridor Improvements	TR180021	0	0	0	0	0	0	18,763,910	47,444,500	66,208,410
Pavement Preservation Program	TR130003	1,533,302	1,319,913	1,751,846	2,985,652	2,991,070	2,996,471	3,356,852	3,359,699	20,294,805
Queensgate Drive - Phase 1	TR140018	51,150	0	0	0	0	652,780	256,730	0	960,660
Queensgate Drive - Phase 2	TR150025	0	0	0	0	0	0	651,860	440,160	1,092,020
Road B-C	TR180019	0	0	0	0	0	0	1,378,550	542,180	1,920,730
Road B-C / Trowbridge Intersection Improvements	TR180018	0	0	0	0	0	0	65,000	435,000	500,000
Shockley Road Extension	TR180009	0	0	0	0	0	0	333,597	270,000	603,597
South GWW Intersection Improvements	TR130011	108,485	0	300,000	300,000	650,000	6,618,770	0	0	7,977,255
South GWW Pedestrian Access & Safety Improvement	TR160004	0	0	0	0	212,180	2,546,170	0	0	2,758,350
South Richland Collector Streets	TR160005	510,751	142,592	125,000	125,000	125,000	125,000	125,000	125,000	1,403,343
SR240 Flyover at Aaron	TR180008	0	0	800,000	1,000,000	30,000,000	0	0	0	31,800,000
Step toe Street / Tap teal Drive Intersection Improvements	TR140017	40,000	175,000	20,000	1,411,000	0	0	0	0	1,646,000
Stevens Drive Pathway	TR150026	0	0	0	0	0	0	74,260	933,590	1,007,850
Swift Blvd / SR-240 Intersection Improvements	TR190005	0	0	0	235,000	0	0	0	0	235,000
Traffic Signal Systemic Safety Upgrades	TR190006	0	56,200	522,500	0	0	0	0	0	578,700
Trowbridge Boulevard - Ava to Rd B-C	TR180011	0	0	0	0	0	1,903,470	1,409,540	0	3,313,010
Van Giesen / SR-240 Intersection Improvements	TR190007	0	0	75,000	0	0	0	0	0	75,000
Van Giesen / Thayer Intersection Improvements	TR180001	0	60,700	0	741,200	0	0	0	0	801,900
Vantage Highway Pathway - Phase 2	TR140020	0	0	120,000	1,204,000	0	0	0	0	1,324,000
Vantage Highway Pathway - Phase 3	TR150027	0	0	0	0	0	0	54,590	600,490	655,080



Capital Improvement Plan

2020 thru 2025 - Project Cost

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DeptProjects

Detail - Project Costs by Department/Year

Wright / Swift Intersection Improvement	TR190008	0	0	0	0	0	90,000	924,300	0	1,014,300
Transportation Total:		21,909,658	20,418,227	14,874,985	11,677,116	34,578,250	20,278,551	33,783,749	59,672,119	217,192,655

Wastewater

Bellerive Lift Station Pump Upgrade & Downstream Improvements	WW190003	0	0	0	0	0	0	1,900,000	0	1,900,000
Collection System Renewal & Replacement	WW130001	8,183,841	3,154,217	0	1,830,100	2,003,000	2,068,000	2,135,000	2,065,000	21,439,158
Department of Energy Land Transfer Sewer Extension	WW190001	0	0	750,000	2,650,000	0	0	0	0	3,400,000
Upper North Interceptor Improvements	WW190002	0	0	0	0	0	0	2,238,000	0	2,238,000
Wastewater Treatment Facility Renewal & Replacement	WW130006	3,800,863	991,506	3,600,000	606,000	626,000	646,000	667,000	687,000	11,624,369
Wastewater Total:		11,984,704	4,145,723	4,350,000	5,086,100	2,629,000	2,714,000	6,940,000	2,752,000	40,601,527

Water

Automatic Meter Reading System	WA160001	0	3,235,000	2,300,000	0	0	0	0	0	5,535,000
Chief Joseph Middle School Irrigation Well	WA150010	0	150,000	0	0	0	0	0	0	150,000
Columbia River Intake Screen Upgrade	WA160002	25,282	274,718	4,330,000	0	0	0	0	0	4,630,000
Distribution System Repairs & Replacement	WA130002	29,472,319	868,448	955,000	350,000	597,000	615,000	633,000	652,000	34,142,767
Irrigation Utility Capital Improvements	WA130003	2,063,852	377,877	100,000	100,000	100,000	100,000	100,000	100,000	3,041,729
Island View Supply Redundancy Project	WA160006	0	25,000	385,000	0	0	0	0	0	410,000
Leslie, Orchard & Broadmoor System Improvements-Deleted 7-16-19-Construction Completed 2019	WA180001	0	0	0	0	0	0	0	0	0
Tapteal I Booster Pump Station Upgrade	WA160010	0	0	0	500,000	0	0	1,647,000	0	2,147,000
Water System Water Hammer Mitigation	WA170001	0	0	0	100,000	896,000	0	0	0	996,000
Water Treatment Plant Pumping Capacity Improvements	WA170002	0	0	0	0	0	766,000	0	0	766,000
Water Treatment Plant Renewal & Replacement	WA130007	3,053,361	1,024,408	500,000	350,000	50,000	369,000	50,000	391,000	5,787,769
Yakima River Crossing Pipeline Replacement	WA130008	2,400,117	1,802,498	1,086,365	0	0	0	0	0	5,288,980



Capital Improvement Plan

2020 thru 2025 - Project Cost

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DeptProjects

Detail - Project Costs by Department/Year

Water Total:		37,014,931	7,757,949	9,656,365	1,400,000	1,643,000	1,850,000	2,430,000	1,143,000	62,895,245
Waterfront										
Columbia Playfield Improvements	WF140007	1,586,958	60,000	75,000	700,000	0	0	0	0	2,421,958
Columbia Point Marina Park Enhancements	WF150015	1,072,846	410,000	50,000	190,000	400,000	560,000	0	0	2,682,846
Columbia Pt. Golf Course Clubhouse Modernization & Course Improvements	WF160003	266,000	0	0	0	0	0	836,000	0	1,102,000
Fire Station 71 Replacement - Public Safety Facility	WF140004	0	0	0	0	0	5,300,000	0	0	5,300,000
George Prout Pool Renewal	WF170001	200,000	20,000	130,000	0	0	0	0	0	350,000
Howard Amon Park Improvements	WF140011	565,400	320,000	300,000	590,000	400,000	0	0	0	2,175,400
John Dam Plaza Improvements	WF140008	1,475,894	25,000	250,000	100,000	220,000	0	0	500,000	2,570,894
Leslie Groves Park Enhancements	WF160002	0	120,000	0	0	680,000	0	0	0	800,000
Shoreline Enhancement & Bank Stabilization	WF140010	120,000	0	225,000	225,000	530,000	530,000	530,000	230,000	2,390,000
Wayfinding Signage & Gateway Entrance Improvements	WF140012	802,311	320,000	0	0	0	0	0	0	1,122,311
Waterfront Total:		6,089,409	1,275,000	1,030,000	1,805,000	2,230,000	6,390,000	1,366,000	730,000	20,915,409
Report Total:		97,147,177	53,780,083	69,774,414	49,095,386	61,922,270	69,864,778	65,213,721	96,756,739	563,554,568



Capital Improvement Plan

2020 thru 2025 - Funding Source

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DeptFunding

Summary - Funding Sources by Department/Year

Department	Project #	\$ through 2018	Budget Rem. 2019	2020	2021	2022	2023	2024	2025	Total
Electric										
Electric Fund		0	1,508,400	6,245,110	5,011,400	5,808,900	5,715,000	4,698,000	3,608,500	32,595,310
Facility Fees		0	0	1,288,000	1,288,000	1,288,000	1,288,000	1,226,000	1,226,000	7,604,000
Rate Revenue		0	2,262,600	6,686,691	5,579,602	6,390,103	4,571,004	5,454,005	6,748,505	37,692,510
Electric Total:		0	3,771,000	14,219,801	11,879,002	13,487,003	11,574,004	11,378,005	11,583,005	77,891,820



Capital Improvement Plan

2020 thru 2025 - Funding Source

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DeptFunding

Summary - Funding Sources by Department/Year

Municipal									
Electric Fund	1,464,068	849,018	564,674	1,072,561	411,937	427,148	469,862	516,848	5,776,116
Equipment Maint Fund	647,907	198,884	1,571,136	1,731,192	122,885	(2,121,021)	(1,077,797)	(1,109,944)	(36,758)
Facility Fees	150,000	100,000	100,000	100,000	0	0	0	0	450,000
General Fund	4,007,726	2,065,453	12,468,397	1,812,124	1,477,481	2,093,110	1,665,516	2,986,292	28,576,099
Healthcare Benefits Fund	36,804	157,372	38,541	90,239	6,671	0	0	0	329,627
Industrial Development Fund	1,634,776	1,192,731	3,266,129	1,410,169	1,700,752	3,650,000	4,500,000	0	17,354,557
Medical Services Fund	318,988	233,004	706,396	232,041	217,362	226,141	237,448	249,320	2,420,700
Property Tax 1%	0	0	0	0	0	1,400,000	0	0	1,400,000
Public Safety Sales Tax	55,266	73,781	65,070	68,371	59,991	60,413	61,622	62,854	507,368
Public Works Admin & Eng	32,706	77,472	44,880	65,431	45,808	48,315	53,147	58,462	426,221
Rate Revenue	150,000	100,000	100,000	100,000	0	0	0	0	450,000
Solid Waste Fund	992,947	1,691,909	1,068,100	1,132,014	1,179,219	1,291,911	1,421,102	1,563,212	10,340,414
Stormwater Fund	150,544	112,773	139,974	148,340	142,280	148,322	155,738	163,525	1,161,496
Unfunded	0	0	0	0	0	10,190,000	0	6,365,000	16,555,000
Wastewater Fund	468,883	375,171	323,720	382,373	327,849	338,385	355,305	373,070	2,944,756
Water Fund	616,417	405,161	261,246	268,313	170,782	170,499	179,024	187,976	2,259,418
Municipal Total:	10,727,032	7,632,729	20,718,263	8,613,168	5,863,017	17,923,223	8,020,967	11,416,615	90,915,014
Parks									
Donations	1,078,580	0	1,000,000	0	0	0	0	0	2,078,580
Electric Fund	139,230	11,047	7,953	7,953	7,953	7,953	7,953	0	190,042
Equipment Maint Fund	8,010	1,779	1,734	1,734	1,734	1,734	1,734	0	18,459
General Fund	2,345,065	916,154	982,440	582,440	622,440	622,440	622,440	0	6,693,419
Grant - RCO	1,715,676	0	0	0	0	500,000	0	0	2,215,676
Healthcare Benefits Fund	0	0	435	435	435	435	435	0	2,175



Capital Improvement Plan

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Summary - Funding Sources by Department/Year

Hotel/Motel-Lodging Funds	0	240,000	0	0	300,000	4,500,000	0	0	5,040,000
Industrial Development Fund	0	0	814	814	814	814	814	0	4,070
Medical Services Fund	2,862	1,637	872	872	872	872	872	0	8,859
Parks Reserve Fund	248,246	0	0	0	0	0	0	0	248,246
Parks Reserve Fund (Undesignated)	0	0	140,000	190,000	640,000	0	0	0	970,000
Parks Reserve-Park District 1	0	0	0	0	200,000	0	0	0	200,000
Parks Reserve-Park District 2	0	275,000	80,000	140,000	0	0	0	0	495,000
Parks Reserve-Park District 3	196,000	0	550,000	0	0	0	330,000	550,000	1,626,000
Public Safety Sales Tax	111,000	10,000	10,119	10,119	119	119	119	0	141,595
Public Works Admin & Eng	3,745	1,236	851	851	851	851	851	0	9,236
RCO Grant	0	0	0	0	0	500,000	0	500,000	1,000,000
REET-RE Excise Tax 1st 1/4%	562,000	0	570,000	510,000	370,000	330,000	0	0	2,342,000
REET-RE Excise Tax 2nd 1/4%	110,000	70,000	0	20,000	20,000	20,000	20,000	20,000	280,000
Solid Waste Fund	11,910	1,998	1,182	1,182	1,182	1,182	1,182	0	19,818
Stormwater Fund	7,619	266	159	159	159	159	159	0	8,680
Undesignated Park Reserve Fund	0	0	0	0	0	200,000	0	0	200,000
Unfunded	0	0	0	0	0	800,000	0	7,000,000	7,800,000
Wastewater Fund	39,139	1,072	711	711	711	711	711	0	43,766
Water Fund	57,919	3,673	2,730	2,730	2,730	2,730	2,730	0	75,242
WCIA Insurance Settlement Pmt	20,000	0	0	0	0	0	0	0	20,000
Parks Total:	6,657,001	1,533,862	3,350,000	1,470,000	2,170,000	7,490,000	990,000	8,070,000	31,730,863

Solid Waste

Grant - (Unsecured)	0	0	93,750	2,332,500	0	0	0	0	2,426,250
Rate Revenue	284,659	2,238,000	116,250	797,500	20,000	20,000	20,000	0	3,496,409
Solid Waste Closure & Gen Ob Bonds	51,159	2,935,000	0	0	0	0	0	0	2,986,159



Capital Improvement Plan

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Summary - Funding Sources by Department/Year

Solid Waste Fund	0	0	1,000,000	3,000,000	0	0	0	0	4,000,000
Solid Waste Fund (Rsv for closure)	0	225,000	0	555,000	0	0	0	0	780,000

Solid Waste Total:	335,818	5,398,000	1,210,000	6,685,000	20,000	20,000	20,000	0	13,688,818
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Stormwater

Grant - (Unsecured)	0	0	195,000	277,500	215,250	303,750	120,000	120,000	1,231,500
Grant - WA State Dept of Ecology	758,485	1,332,173	0	0	0	0	0	0	2,090,658
Rate Revenue	1,670,139	515,420	170,000	202,500	186,750	221,250	165,000	1,270,000	4,401,059

Stormwater Total:	2,428,624	1,847,593	365,000	480,000	402,000	525,000	285,000	1,390,000	7,723,217
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Transportation

2013 BFCOG STP Funding Dist	1,048,107	0	0	0	0	0	0	0	1,048,107
2017 BFCOG STP Funding Dist	748,361	41,088	0	0	0	0	0	0	789,449
Benton County	0	0	0	500,000	0	0	0	0	500,000
Benton County Rural Cap Funds	0	0	0	0	0	1,323,754	0	0	1,323,754
Benton County Rural Dev Funds (City)	0	0	0	0	0	509,234	0	0	509,234
BFCOG	106	104,894	4,307,785	0	0	147,050	1,310,475	0	5,870,310
BFCOG Tap Fund Award	0	0	0	0	106,090	763,851	0	0	869,941
Business License Reserve Fund	24,258	41,442	25,000	25,000	25,000	25,000	25,000	25,000	215,700
CDBG Funds	740,137	207,360	65,000	182,500	65,000	65,000	65,000	65,000	1,454,997
City of Kennewick (RR Negotiation)	1,059,260	0	0	0	0	0	0	0	1,059,260
Federal Appropriation (2013 Budget)	325,383	0	0	0	0	0	0	0	325,383
General Fund	1,411,802	654,570	930,000	930,000	930,000	930,000	930,000	930,000	7,646,372
General Fund (in Lieu of PWTF Debt Svc)	257,892	0	0	0	0	0	0	0	257,892
Grant - (Unsecured)	0	0	30,000	1,101,000	24,000,000	77,850	799,520	0	26,008,370
Grant - STP Fund - COG (Unsecured)	0	0	259,500	1,049,632	0	1,323,754	0	0	2,632,886
Grant - TAP (UL) (Unsecured)	0	0	90,000	903,000	0	0	54,590	600,490	1,648,080



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Summary - Funding Sources by Department/Year

Grant - TIB	378,326	0	0	0	0	0	0	0	378,326
Grant - TIB (Unsecured)	5,219,345	3,410,392	370,263	790,132	390,000	3,309,385	0	0	13,489,517
Grant - TIB (Unsecured)	0	0	0	0	0	254,617	0	0	254,617
Grant - Washington State	4,217,974	12,706,135	3,075,891	0	0	0	0	0	20,000,000
Grant - WSDOT Bike/Ped (Unsecured)	0	0	0	0	0	763,851	0	0	763,851
Grant - WSDOT HSIP (Unsecured)	0	54,700	0	741,200	0	0	0	0	795,900
HSIP Funds (Secured)	32,436	0	0	0	0	0	0	0	32,436
Impact Fees	742,593	311,900	125,000	175,000	125,000	777,780	881,730	125,000	3,264,003
Impact Fees (Traffic)	0	0	300,000	0	0	0	0	0	300,000
Industrial Development Fund	320,000	0	0	0	0	0	0	0	320,000
Interfund Loan & Gen Ob Bonds	1,620,757	39,794	0	0	0	0	0	0	1,660,551
Kennewick School District	0	0	0	155,000	0	0	0	0	155,000
LTGO 98 Fund	715,000	0	0	0	0	0	0	0	715,000
Port of Kennewick	0	0	800,000	200,000	0	0	0	0	1,000,000
Private Partner	40,000	0	0	0	0	0	0	0	40,000
Public Works Trust Fund Loan	750,000	0	0	0	0	0	0	0	750,000
REET-RE Excise Tax 1st 1/4%	223,732	265,673	901,200	685,500	1,356,090	277,567	204,525	0	3,914,287
REET-RE Excise Tax 2nd 1/4%	429,015	532,997	1,249,000	972,500	310,000	984,027	434,780	310,000	5,222,319
STP - Urban Grant	524,990	0	0	0	0	0	0	0	524,990
STP Fund (Secured-COG)	463,852	406,339	0	0	0	0	0	0	870,191
STP-UL Funds (Secured)	48,143	0	0	0	0	0	0	0	48,143
Street Fund - Fuel Tax	221,689	0	0	0	0	0	0	0	221,689
Transportation Benefit District	346,500	340,343	521,846	532,283	542,929	553,787	824,081	829,699	4,491,468
Unfunded	0	0	0	2,634,369	1,718,141	7,917,774	27,614,088	57,701,160	97,585,532
WSDOT	0	50,600	574,500	100,000	5,010,000	0	0	0	5,735,100



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Summary - Funding Sources by Department/Year

WSDOT SR 240 Project Funds	0	1,250,000	1,250,000	0	0	0	0	0	2,500,000
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Transportation Total:	21,909,658	20,418,227	14,874,985	11,677,116	34,578,250	20,004,281	33,143,789	60,586,349	217,192,655
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Wastewater

Bonds - Prior Issue	82,523	809,532	0	0	0	0	0	0	892,055
Facility Fees	345,360	1,754,640	600,000	600,000	600,000	600,000	600,000	600,000	5,700,000
Grant-CERB	0	0	50,000	0	0	0	0	0	50,000
Industrial Development Fund	0	0	625,000	2,650,000	0	0	0	0	3,275,000
Port of Benton	0	0	75,000	0	0	0	0	0	75,000
Rate Revenue	11,556,821	1,581,551	3,000,000	1,836,100	2,029,000	2,114,000	2,202,000	2,152,000	26,471,472
Wastewater Rate Revenue	0	0	0	0	0	0	4,138,000	0	4,138,000

Wastewater Total:	11,984,704	4,145,723	4,350,000	5,086,100	2,629,000	2,714,000	6,940,000	2,752,000	40,601,527
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Water

Facility Fees	35,000	100,000	4,715,000	250,000	0	0	1,647,000	0	6,747,000
Grant - FEMA	617,860	1,591,454	1,086,365	0	0	0	0	0	3,295,679
Grant - Supplemental/Federal	503,000	0	0	0	0	0	0	0	503,000
Public Works Trust Fund Loan	15,525,414	0	0	0	0	0	0	0	15,525,414
Rate Revenue	13,046,168	4,712,699	2,900,000	900,000	1,643,000	1,850,000	783,000	1,143,000	26,977,867
Revenue Bond	2,899,239	435,348	0	0	0	0	0	0	3,334,587
Richland School District	0	50,000	0	0	0	0	0	0	50,000
Water Fund	4,388,250	868,448	955,000	0	0	0	0	0	6,211,698
West Richland	0	0	0	250,000	0	0	0	0	250,000

Water Total:	37,014,931	7,757,949	9,656,365	1,400,000	1,643,000	1,850,000	2,430,000	1,143,000	62,895,245
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Waterfront

Bonds - Future Rate Issue	0	0	0	0	0	5,300,000	0	0	5,300,000
Business License Reserve Fund	181,894	0	0	0	0	0	0	0	181,894



Capital Improvement Plan

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Summary - Funding Sources by Department/Year

CDBG Funds	63,000	0	0	0	0	0	0	0	63,000
Donations	160,000	0	250,000	100,000	0	0	0	0	510,000
General Fund	353,000	0	0	0	0	0	0	0	353,000
Grant	480,000	0	0	0	0	0	0	0	480,000
Grant - RCO	235,400	150,000	0	190,000	0	0	0	0	575,400
Grant (YAF)	203,846	0	0	0	0	0	0	0	203,846
Hotel/Motel-Lodging Funds	1,559,183	795,000	75,000	400,000	100,000	0	0	0	2,929,183
Industrial Development Fund	182,137	60,000	0	0	0	0	0	0	242,137
Lodging Tax Grant (Secured)	771,775	0	0	0	0	0	0	0	771,775
LTGO Bond Fund	250,000	0	0	0	0	0	0	0	250,000
Parks Reserve Fund (Undesignated)	277,500	0	30,000	190,000	0	0	0	0	497,500
Parks Reserve-Park District 1	70,000	180,000	30,000	50,000	680,000	0	0	0	1,010,000
Parks Reserve-Park District 2	14,500	0	0	0	0	0	0	0	14,500
Private Funding	50,000	0	0	50,000	0	0	0	0	100,000
Public Safety Sales Tax	20,000	0	0	0	0	0	0	0	20,000
REET-RE Excise Tax 1st 1/4%	807,174	20,000	645,000	900,000	1,000,000	300,000	300,000	0	3,972,174
REET-RE Excise Tax 2nd 1/4%	250,000	70,000	0	0	0	0	0	0	320,000
Right-of-Way Sale (Secured)	160,000	0	0	0	0	0	0	0	160,000
Unfunded	0	0	0	0	450,000	790,000	1,066,000	730,000	3,036,000
Waterfront Total:	6,089,409	1,275,000	1,030,000	1,880,000	2,230,000	6,390,000	1,366,000	730,000	20,990,409
Report Total:	97,147,177	53,780,083	69,774,414	49,170,386	63,022,270	68,490,508	64,573,761	97,670,969	563,629,568



Capital Improvement Plan

2020 thru 2025

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FundSummary

Summary Funding Source by List Year

Source	Project #	\$ through 2018	Budget Rem. 2019	2020	2021	2022	2023	2024	2025	Total
2013 BFCOG STP Funding Dist		1,048,107	0	0	0	0	0	0	0	1,048,107
2017 BFCOG STP Funding Dist		748,361	41,088	0	0	0	0	0	0	789,449
Benton County		0	0	0	500,000	0	0	0	0	500,000
Benton County Rural Cap Funds		0	0	0	0	0	1,323,754	0	0	1,323,754
Benton County Rural Dev Funds (City)		0	0	0	0	0	509,234	0	0	509,234
BFCOG		106	104,894	4,307,785	0	0	147,050	1,310,475	0	5,870,310
BFCOG Tap Fund Award		0	0	0	0	106,090	763,851	0	0	869,941
Bonds - Future Rate Issue		0	0	0	0	0	5,300,000	0	0	5,300,000
Bonds - Prior Issue		82,523	809,532	0	0	0	0	0	0	892,055
Business License Reserve Fund		206,152	41,442	25,000	25,000	25,000	25,000	25,000	25,000	397,594
CDBG Funds		803,137	207,360	65,000	182,500	65,000	65,000	65,000	65,000	1,517,997
City of Kennewick (RR Negotiation)		1,059,260	0	0	0	0	0	0	0	1,059,260
Donations		1,238,580	0	1,250,000	100,000	0	0	0	0	2,588,580
Electric Fund		1,603,298	2,368,465	6,817,737	6,091,914	6,228,790	6,150,101	5,175,815	4,125,348	38,561,468
Equipment Maint Fund		655,917	200,663	1,572,870	1,732,926	124,619	(2,119,287)	(1,076,063)	(1,109,944)	(18,299)
Facility Fees		530,360	1,954,640	6,703,000	2,238,000	1,888,000	1,888,000	3,473,000	1,826,000	20,501,000
Federal Appropriation (2013 Budget)		325,383	0	0	0	0	0	0	0	325,383



Capital Improvement Plan

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FundSummary

Summary Funding Source by List Year

General Fund	8,117,593	3,636,177	14,380,837	3,324,564	3,029,921	3,645,550	3,217,956	3,916,292	43,268,890
General Fund (in Lieu of PWTF Debt Svc)	257,892	0	0	0	0	0	0	0	257,892
Grant	480,000	0	0	0	0	0	0	0	480,000
Grant - (Unsecured)	0	0	318,750	3,711,000	24,215,250	381,600	919,520	120,000	29,666,120
Grant - FEMA	617,860	1,591,454	1,086,365	0	0	0	0	0	3,295,679
Grant - RCO	1,951,076	150,000	0	190,000	0	500,000	0	0	2,791,076
Grant - STP Fund - COG (Unsecured)	0	0	259,500	1,049,632	0	1,323,754	0	0	2,632,886
Grant - Supplemental/Federal	503,000	0	0	0	0	0	0	0	503,000
Grant - TAP (UL) (Unsecured)	0	0	90,000	903,000	0	0	54,590	600,490	1,648,080
Grant - TIB	378,326	0	0	0	0	0	0	0	378,326
Grant - TIB (Unsecured)	5,219,345	3,410,392	370,263	790,132	390,000	3,309,385	0	0	13,489,517
Grant - TIB (Unsecured)	0	0	0	0	0	254,617	0	0	254,617
Grant - WA State Dept of Ecology	758,485	1,332,173	0	0	0	0	0	0	2,090,658
Grant - Washington State	4,217,974	12,706,135	3,075,891	0	0	0	0	0	20,000,000
Grant - WSDOT Bike/Ped (Unsecured)	0	0	0	0	0	763,851	0	0	763,851
Grant - WSDOT HSIP (Unsecured)	0	54,700	0	741,200	0	0	0	0	795,900
Grant (YAF)	203,846	0	0	0	0	0	0	0	203,846
Grant-CERB	0	0	50,000	0	0	0	0	0	50,000



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FundSummary

Summary Funding Source by List Year

Healthcare Benefits Fund	36,804	157,372	38,976	90,674	7,106	435	435	0	331,802
Hotel/Motel-Lodging Funds	1,559,183	1,035,000	75,000	400,000	400,000	4,500,000	0	0	7,969,183
HSIP Funds (Secured)	32,436	0	0	0	0	0	0	0	32,436
Impact Fees	742,593	311,900	125,000	175,000	125,000	777,780	881,730	125,000	3,264,003
Impact Fees (Traffic)	0	0	300,000	0	0	0	0	0	300,000
Industrial Development Fund	2,136,913	1,252,731	3,891,943	4,060,983	1,701,566	3,650,814	4,500,814	0	21,195,764
Interfund Loan & Gen Ob Bonds	1,620,757	39,794	0	0	0	0	0	0	1,660,551
Kennewick School District	0	0	0	155,000	0	0	0	0	155,000
Lodging Tax Grant (Secured)	771,775	0	0	0	0	0	0	0	771,775
LTGO 98 Fund	715,000	0	0	0	0	0	0	0	715,000
LTGO Bond Fund	250,000	0	0	0	0	0	0	0	250,000
Medical Services Fund	321,850	234,641	707,268	232,913	218,234	227,013	238,320	249,320	2,429,559
Parks Reserve Fund	248,246	0	0	0	0	0	0	0	248,246
Parks Reserve Fund (Undesignated)	277,500	0	170,000	380,000	640,000	0	0	0	1,467,500
Parks Reserve-Park District 1	70,000	180,000	30,000	50,000	880,000	0	0	0	1,210,000
Parks Reserve-Park District 2	14,500	275,000	80,000	140,000	0	0	0	0	509,500
Parks Reserve-Park District 3	196,000	0	550,000	0	0	0	330,000	550,000	1,626,000
Port of Benton	0	0	75,000	0	0	0	0	0	75,000
Port of Kennewick	0	0	800,000	200,000	0	0	0	0	1,000,000



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FundSummary

Summary Funding Source by List Year

Private Funding	50,000	0	0	50,000	0	0	0	0	100,000
Private Partner	40,000	0	0	0	0	0	0	0	40,000
Property Tax 1%	0	0	0	0	0	1,400,000	0	0	1,400,000
Public Safety Sales Tax	186,266	83,781	75,189	78,490	60,110	60,532	61,741	62,854	668,963
Public Works Admin & Eng	36,451	78,708	45,731	66,282	46,659	49,166	53,998	58,462	435,457
Public Works Trust Fund Loan	16,275,414	0	0	0	0	0	0	0	16,275,414
Rate Revenue	26,707,787	11,410,270	12,972,941	9,415,702	10,268,853	8,776,254	8,624,005	11,313,505	99,489,317
RCO Grant	0	0	0	0	0	500,000	0	500,000	1,000,000
REET-RE Excise Tax 1st 1/4%	1,592,906	285,673	2,116,200	2,095,500	2,726,090	907,567	504,525	0	10,228,461
REET-RE Excise Tax 2nd 1/4%	789,015	672,997	1,249,000	992,500	330,000	1,004,027	454,780	330,000	5,822,319
Revenue Bond	2,899,239	435,348	0	0	0	0	0	0	3,334,587
Richland School District	0	50,000	0	0	0	0	0	0	50,000
Right-of-Way Sale (Secured)	160,000	0	0	0	0	0	0	0	160,000
Solid Waste Closure & Gen Ob Bonds	51,159	2,935,000	0	0	0	0	0	0	2,986,159
Solid Waste Fund	1,004,857	1,693,907	2,069,282	4,133,196	1,180,401	1,293,093	1,422,284	1,563,212	14,360,232
Solid Waste Fund (Rsv for closure)	0	225,000	0	555,000	0	0	0	0	780,000
Stormwater Fund	158,163	113,039	140,133	148,499	142,439	148,481	155,897	163,525	1,170,176
STP - Urban Grant	524,990	0	0	0	0	0	0	0	524,990



Capital Improvement Plan

2020 thru 2025

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FundSummary

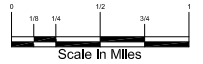
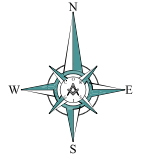
Summary Funding Source by List Year

STP Fund (Secured-COG)	463,852	406,339	0	0	0	0	0	0	870,191
STP-UL Funds (Secured)	48,143	0	0	0	0	0	0	0	48,143
Street Fund - Fuel Tax	221,689	0	0	0	0	0	0	0	221,689
Transportation Benefit District	346,500	340,343	521,846	532,283	542,929	553,787	824,081	829,699	4,491,468
Undesignated Park Reserve Fund	0	0	0	0	0	200,000	0	0	200,000
Unfunded	0	0	0	2,634,369	2,168,141	19,697,774	28,680,088	71,796,160	124,976,532
Wastewater Fund	508,022	376,243	324,431	383,084	328,560	339,096	356,016	373,070	2,988,522
Wastewater Rate Revenue	0	0	0	0	0	0	4,138,000	0	4,138,000
Water Fund	5,062,586	1,277,282	1,218,976	271,043	173,512	173,229	181,754	187,976	8,546,358
WCIA Insurance Settlement Pmt	20,000	0	0	0	0	0	0	0	20,000
West Richland	0	0	0	250,000	0	0	0	0	250,000
WSDOT	0	50,600	574,500	100,000	5,010,000	0	0	0	5,735,100
WSDOT SR 240 Project Funds	0	1,250,000	1,250,000	0	0	0	0	0	2,500,000
Report Total:	97,147,177	53,780,083	69,774,414	49,170,386	63,022,270	68,490,508	64,573,761	97,670,969	563,629,568



Electric

Capital Improvement Plan



Legend
--- City Limits
--- Railroad

2020 Electric Projects

- 1 Kingsgate Substation
- 2 Leslie Rd Substation
- 3 Advanced Metering Infrastructure (City-Wide)
- 4 Line Extensions (City-Wide)
- 5 Purchase Southwest Service Area Infrastructure
- 6 Renewal & Replacement (City-Wide)
- 7 Systems Improvements





Capital Improvement Plan

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FIN-BUD-CIP-002-
DeptSummary

2020 thru 2025

Electric Projects

Department	Project #	\$ through 2018	Budget Rem. 2019	2020	2021	2022	2023	2024	2025	Total
Electric										
Advanced Metering Infrastructure	ES130005	0	3,771,000	3,771,000	0	0	0	0	0	7,542,000
Dallas Rd Area Improvements	ES130001	0	0	0	0	1,093,000	1,610,000	2,932,000	2,755,000	8,390,000
Electrical Substation Improvements	ES130007	0	0	0	709,000	3,887,000	1,862,000	3,868,000	2,377,000	12,703,000
Hanford Substation	ES130002	0	0	0	0	1,377,000	2,861,000	0	0	4,238,000
Kingsgate Substation	ES130003	0	0	1,112,000	3,711,000	680,000	510,000	253,000	0	6,266,000
Leslie Rd Substation	ES130004	0	0	1,421,900	0	0	0	0	0	1,421,900
Line Extensions	ES130008	0	0	1,288,000	1,288,000	1,288,000	1,288,000	1,226,000	1,226,000	7,604,000
Purchase Southwest Service Area Infrastructure	ES130009	0	0	359,000	158,000	200,000	0	0	0	717,000
Renewal & Replacement	ES130010	0	0	1,958,401	4,400,002	3,222,003	2,989,004	2,667,005	4,793,005	20,029,420
Systems Improvements	ES130011	0	0	4,309,500	1,613,000	1,740,000	454,000	432,000	432,000	8,980,500
Electric Total:		0	3,771,000	14,219,801	11,879,002	13,487,003	11,574,004	11,378,005	11,583,005	77,891,820
Electric										
Electric Fund		0	1,508,400	6,245,110	5,011,400	5,808,900	5,715,000	4,698,000	3,608,500	32,595,310
Facility Fees		0	0	1,288,000	1,288,000	1,288,000	1,288,000	1,226,000	1,226,000	7,604,000
Rate Revenue		0	2,262,600	6,686,691	5,579,602	6,390,103	4,571,004	5,454,005	6,748,505	37,692,510
Electric Total:		0	3,771,000	14,219,801	11,879,002	13,487,003	11,574,004	11,378,005	11,583,005	77,891,820

Advanced Metering Infrastructure

Type of Project Electric	Partnership Project? NO	Project # ES130005
Core Focus Area 1	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Advanced Metering Infrastructure		
PROJECT ADMINISTRATION: Energy Services		
PROJECT LOCATION: Various locations within the electric utility service area		
PROJECT TIMELINE: 2016 - 2020		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Complete a detailed design and implement an electrical utility advanced metering infrastructure (AMI) program to cost-effectively improve utility operations and provide the utility customers with usage data for deciding how to conserve and use energy.

PROJECT ASSUMPTIONS

Technology improvements continue to advance with customers wanting to make decisions that will reduce their electric energy usage. Utility load growth will continue resulting in higher priced tier 2 power, regulatory mandates continuing to grow, complexity of operating the electric utility system infrastructure is increasing, utility will qualify under the State's Energy Independence Act (I-937). Data will be used to prioritize capital infrastructure investments and increase operational effectiveness. Construction assumes phased and full change-out of electrical system meters to Advanced Meter Infrastructure technology.

BENEFITS

Trending represented by the project assumptions noted above will result in higher retail rates to electric utility customers. AMI implementation can be approached in a manner to minimize those rate increases, provide a higher level of electrical system reliability, and result in operational efficiencies (reduced operations and maintenance costs). The City will be mandated due to I-937 to achieve conservation targets or pay fines. Through better utilization of energy by the City and customers making decisions from the data, the City can save wholesale power costs at the same time that retail customers decide on how they want to use energy.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
MATERIAL	4,600,000		2,300,000	2,300,000					
EXPERT SERVICES	2,400,000		1,200,000	1,200,000					
LABOR	300,000		150,000	150,000					
EQUIPMENT	-		-	-					
OVERHEAD	172,000		86,000	86,000					
ENGINEERING	70,000		35,000	35,000					
TOTAL	\$ 7,542,000		\$ 3,771,000	\$ 3,771,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
ELECTRIC RATE REVENUE	4,525,200		2,262,600	2,262,600					
REVENUE BOND ISSUE (2018)	3,016,800		1,508,400	1,508,400					
TOTAL	\$ 7,542,000	\$ -	\$ 3,771,000	\$ 3,771,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
ASSOCIATED O&M COSTS WILL REDUCE BY UNKNOWN AMOUNT (PART OF FEASIBILITY STUDY)	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Dallas Rd Area Improvements

Type of Project Electric	Partnership Project? YES	Project # ES130001
Core # 2	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Dallas Rd Area Improvements		
PROJECT ADMINISTRATION: Energy Services		
PROJECT LOCATION: Dallas Rd / I-182 (substation location)		
PROJECT TIMELINE: 2022-2025		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Plan, design, and construct a new electrical system substation and connect via new and existing transmission power lines into the electric system grid.

PROJECT ASSUMPTIONS

BPA will approve plan / design to connect to BPA system. Partnership project with Benton PUD. WSDOT franchise agreement required to cross I-182. City has secured right of way for transmission line and constructed it to the purchased substation property. Residential load growth in Badger Mountain South area is stronger than overall City electrical usage rate of 0.8%.

BENEFITS

Additional electrical utility load capacity will be necessary due to growth. New substation will also support reliability by providing backup to City View and Leslie Road Substations.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
MATERIAL	3,391,000					-	165,000	1,226,000	2,000,000
EXPERT SERVICES	3,800,000					1,000,000	1,000,000	1,250,000	550,000
LABOR	358,000					20,000	160,000	148,000	30,000
EQUIPMENT	77,000					-	44,000	30,000	3,000
OVERHEAD	287,000					11,000	149,000	111,000	16,000
ENGINEERING	477,000					62,000	92,000	167,000	156,000
TOTAL	\$ 8,390,000	\$ -	\$ -	\$ -	\$ -	\$ 1,093,000	\$ 1,610,000	\$ 2,932,000	\$ 2,755,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
ELECTRIC RATE REVENUE	1,678,000					218,600	322,000	586,400	551,000
REVENUE BOND ISSUE (2022)	2,162,400					874,400	1,288,000		
REVENUE BOND ISSUE (2024)	4,549,600							2,345,600	2,204,000
	-								
TOTAL	\$ 8,390,000	\$ -	\$ -	\$ -	\$ -	\$ 1,093,000	\$ 1,610,000	\$ 2,932,000	\$ 2,755,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Electrical Substation Improvements

Type of Project Electric	Partnership Project? NO	Project # ES130007
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Electrical Substation Improvements		
PROJECT ADMINISTRATION: Energy Services		
PROJECT LOCATION: Various locations - Eight City Substations		
PROJECT TIMELINE: Various		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

A variety of major improvement projects within the nine existing electric utility substation sites. Examples of work includes Thayer Bank 3 transformer and switchgear replacement as well as new protective relays, monitoring/control equipment, and spill containment at various substations.

PROJECT ASSUMPTIONS

Minor system improvement projects within the utility's substations are not included in this category of projects; rather are listed within the Systems Improvements or the Renewals & Replacements categories of the CIP . These major projects are funded from retail rates and revenue bonding. Approval from BPA on substation modifications may be required. All work anticipated within existing right of way.

BENEFITS

Projects necessary to maintain reliable service on a continual basis, meet regulatory requirements, and maintain / enhance existing levels of electrical system reliability. These projects are evaluated and prioritized based on the extreme consequences that substation failure and/or capacity issues would have to the utility's customers. These projects also result in operational efficiencies and flexibility.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
MATERIAL	5,750,000				50,000	2,150,000	650,000	1,700,000	1,200,000
EXPERT SERVICES	6,048,000				590,000	1,500,000	1,090,000	1,884,000	984,000
LABOR	94,000				-	11,000	11,000	36,000	36,000
EQUIPMENT	30,000				10,000	-	-	10,000	10,000
OVERHEAD	62,000				18,000	6,000	6,000	19,000	13,000
ENGINEERING	719,000				41,000	220,000	105,000	219,000	134,000
TOTAL	\$ 12,703,000		\$ -	\$ -	\$ 709,000	\$ 3,887,000	\$ 1,862,000	\$ 3,868,000	\$ 2,377,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
ELECTRIC RATE REVENUE	6,067,900				70,900	1,943,500	931,000	1,934,000	1,188,500
REVENUE BOND ISSUE (2020)	638,100				638,100				
REVENUE BOND ISSUE (2022)	2,874,500					1,943,500	931,000		
REVENUE BOND ISSUE (2024)	3,122,500							1,934,000	1,188,500
TOTAL	\$ 12,703,000	\$ -	\$ -	\$ -	\$ 709,000	\$ 3,887,000	\$ 1,862,000	\$ 3,868,000	\$ 2,377,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Hanford Substation

Type of Project Electric	Partnership Project? NO	Project # ES130002
Core Focus Area 2	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Hanford Substation		
PROJECT ADMINISTRATION: Energy Services		
PROJECT LOCATION: West of Stevens Drive and North of Horn Rapids Road.		
PROJECT TIMELINE: 2022-2023		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Plan, design, and construct a new electrical system substation / transmission lines and connect to the electric system grid operated by Bonneville Power Administration (BPA). Final substation name TBD.

PROJECT ASSUMPTIONS

City has to secure right of way to site the substation and connect to the existing transmission lines. Transmission line interconnection approval with BPA is 3-5 year process. New 1341 acres from DOE land transfer will result in adjacent properties available for large industrial use. Developer facility fees may pay a portion of the new substation costs based on load causation principles. Some project components may be pre-purchased or secured prior to 2023 depending on materials market availability. No cost escalation factors have been applied to 2023 estimated values.

BENEFITS

Additional electrical utility load capacity will be necessary due to growth. The new substation may also provide system reliability if interconnected to distribution system. This electrical substation and transmission line serving it will be critical to position for economic development opportunities on Hanford land transfer properties.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
MATERIAL	2,200,000					400,000	1,800,000		
EXPERT SERVICES	1,700,000					850,000	850,000		
LABOR	50,000					25,000	25,000		
EQUIPMENT	20,000					10,000	10,000		
OVERHEAD	28,000					14,000	14,000		
ENGINEERING	240,000					78,000	162,000		
TOTAL	\$ 4,238,000	\$ -	\$ -	\$ -	\$ -	\$ 1,377,000	\$ 2,861,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
REVENUE BOND ISSUE (2022)	4,238,000					1,377,000	2,861,000		
TOTAL	\$ 4,238,000	\$ -	\$ -	\$ -	\$ -	\$ 1,377,000	\$ 2,861,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
RETAIL RATES PAY O&M COSTS (UNIT COSTS CURRENTLY BEING ANALYZED)	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Kingsgate Substation

Type of Project Electric	Partnership Project? NO	Project # ES130003
Core Focus Area 2	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Kingsgate Substation		
PROJECT ADMINISTRATION: Energy Services		
PROJECT LOCATION: West of Kingsgate at the SW side of the City Landfill.		
PROJECT TIMELINE: 2020-2024		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

New substation for the Horn Rapids Industrial Park. One 28,000 KVA capacity transformer and major materials purchased by City. Substation to be constructed and commissioned by the end of 2024.

PROJECT ASSUMPTIONS

City to secure substation land aligning with existing transmission right of way. Interconnection to existing transmission line and extending new infrastructure to existing electrical distribution system. Project assumes strong growth will continue in Horn Rapids Industrial Area. Developer facility fees may pay a portion of new substation costs based on load causation principles. Some project components may be pre-purchased or secured prior to 2021 depending on materials market availability. No cost escalation factors have been applied to estimate values.

BENEFITS

Additional electrical utility load capacity will be necessary due to strong growth. New substation will provide increased system reliability to Sandhill Crane, First Street, and Snyder Substations. This substation capacity it will be critical to position for economic development opportunities in the Horn Rapids Industrial Area.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
MATERIAL	3,755,200			400,000	2,376,000	460,800	345,600	172,800	
EXPERT SERVICES	1,450,000			600,000	850,000	-	-	-	
LABOR	438,800			25,000	169,000	115,200	86,400	43,200	
EQUIPMENT	20,000			10,000	10,000	-	-	-	
OVERHEAD	249,000			14,000	96,000	66,000	50,000	23,000	
ENGINEERING	353,000			63,000	210,000	38,000	28,000	14,000	
TOTAL	\$ 6,266,000	\$ -	\$ -	\$ 1,112,000	\$ 3,711,000	\$ 680,000	\$ 510,000	\$ 253,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
ELECTRIC RATE REVENUE	1,253,200			222,400	742,200	136,000	102,000	50,600	
REVENUE BOND ISSUE (2020)	3,858,400			889,600	2,968,800				
REVENUE BOND ISSUE (2022)	952,000					544,000	408,000		
REVENUE BOND ISSUE (2024)	202,400							202,400	
TOTAL	\$ 6,266,000	\$ -	\$ -	\$ 1,112,000	\$ 3,711,000	\$ 680,000	\$ 510,000	\$ 253,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Leslie Rd Substation

Type of Project Electric	Partnership Project? YES	Project # ES130004
Core Focus Area 2	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Leslie Rd Substation		
PROJECT ADMINISTRATION: Energy Services		
PROJECT LOCATION: Northwest corner of Leslie & Rachel Roads intersection		
PROJECT TIMELINE: 2015 - 2020		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

This is the last phase of the Leslie Road Substation project which previously built the substation and several feeders. This last phase will complete the installation of the remaining electrical distribution feeders allowing new customer connections in the SW area of Richland and interconnection to Tapteal Substation for increased reliability.

PROJECT ASSUMPTIONS

Assumptions include: continued strong Badger Mountain South growth, utilizing road ROW and acquired easements from BPUD for installation of electrical distribution feeders. Lorayne J subdivision to be purchased from BPUD in 2020 and Reata Ridge subdivision to be purchased in 2021.

BENEFITS

Additional electrical utility load capacity will be necessary due to strong growth in the Badger Mountain South area and serving annexed areas. New substation will provide increased system reliability to the Tapteal Substation and defer the construction of Dallas Road Substation by several years.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
MATERIAL	468,000			468,000					
EXPERT SERVICES	550,000			550,000					
LABOR	110,000			110,000					
EQUIPMENT	29,500			29,500					
OVERHEAD	196,400			196,400					
ENGINEERING	68,000			68,000					
TOTAL	\$ 1,421,900			\$ 1,421,900	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
ELECTRIC RATE REVENUE	284,380			284,380					
REVENUE BOND ISSUE (2018)	1,137,520			1,137,520					
TOTAL	\$ 1,421,900	\$ -	\$ -	\$ 1,421,900	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
RETAIL RATES PAY O&M COSTS (UNIT COSTS CURRENTLY BEING ANALYZED)	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line Extensions

Type of Project Electric	Partnership Project? NO	Project # ES130008
Core Focus Area 3	Strategic Leadership Plan Project? No	
PROJECT NAME: Line Extensions		
PROJECT ADMINISTRATION: Energy Services		
PROJECT LOCATION: Various locations within the electric utility service area		
PROJECT TIMELINE: Annual Ongoing		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Capital improvement projects primarily for the purpose of extending electric utility infrastructure to new developments.

PROJECT ASSUMPTIONS

Overall electrical rate of growth (0.8%) with the associated development projects will follow historical trends. Funding for these projects is through Facility Fees and retail rate cash. List of prospective projects is kept by City staff and used to plan for associated improvements. Some of these projects do not move forward as other development projects emerge during the year. Historical levels of expenditures are used to estimate the costs in this category.

BENEFITS

Appropriate planning, design, and construction of new-growth electric utility infrastructure results in higher system reliability and lower customer rates through economies of scale. These projects also result in operational efficiencies and flexibility.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
MATERIAL	3,000,000			500,000	500,000	500,000	500,000	500,000	500,000
EXPERT SERVICES	-			-	-	-	-	-	-
LABOR	1,800,000			300,000	300,000	300,000	300,000	300,000	300,000
EQUIPMENT	390,000			65,000	65,000	65,000	65,000	65,000	65,000
OVERHEAD	1,952,000			346,000	346,000	346,000	346,000	284,000	284,000
ENGINEERING	462,000			77,000	77,000	77,000	77,000	77,000	77,000
TOTAL	\$ 7,604,000	\$ -	\$ -	\$ 1,288,000	\$ 1,288,000	\$ 1,288,000	\$ 1,288,000	\$ 1,226,000	\$ 1,226,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
FACILITY FEES	7,604,000			1,288,000	1,288,000	1,288,000	1,288,000	1,226,000	1,226,000
TOTAL	\$ 7,604,000	\$ -	\$ -	\$ 1,288,000	\$ 1,288,000	\$ 1,288,000	\$ 1,288,000	\$ 1,226,000	\$ 1,226,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Purchase Southwest Service Area Infrastructure

Type of Project Electric	Partnership Project? NO	Project # ES130009
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Purchase Southwest Service Area Infrastructure		
PROJECT ADMINISTRATION: Energy Services		
PROJECT LOCATION: West of Leslie Rd near Rachel Road		
PROJECT TIMELINE: Various		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Per 2005 Electrical Service Area Agreement, purchase the depreciated value of Benton PUD infrastructure currently serving PUD facilities in new City annexed properties.

PROJECT ASSUMPTIONS

Benton PUD and the City agree on price for infrastructure. New load would be added to City substations. The City has extended electrical infrastructure to transfer customers from Benton PUD to the City. Rate revenue from these new customers will pay back the costs to purchase the PUD infrastructure. BPA will transfer Tier 1 wholesale power allotment from BPUD to the City.

BENEFITS

The City through this purchase will implement, in part, its strategic plan objective of supporting population and business growth within the City's UGA.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
MATERIAL	-			-	-	-			
EXPERT SERVICES	640,000			315,000	125,000	200,000			
LABOR	30,000			15,000	15,000	-			
EQUIPMENT	-			-	-	-			
OVERHEAD	18,000			9,000	9,000	-			
ENGINEERING	29,000			20,000	9,000	-			
TOTAL	\$ 717,000	\$ -	\$ -	\$ 359,000	\$ 158,000	\$ 200,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
REVENUE BOND ISSUE (2020)	517,000			359,000	158,000				
REVENUE BOND ISSUE (2022)	200,000					200,000			
TOTAL	\$ 717,000	\$ -	\$ -	\$ 359,000	\$ 158,000	\$ 200,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Renewal & Replacement

Type of Project Electric	Partnership Project? NO	Project # ES130010
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Renewal & Replacement		
PROJECT ADMINISTRATION: Energy Services		
PROJECT LOCATION: Various locations within the electric utility service area		
PROJECT TIMELINE: Annual Investments		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Prioritized capital improvement projects and capital maintenance and equipment replacement extending the life of existing electric utility infrastructure. Some of these represent investment upgrades that are performed annually.

PROJECT ASSUMPTIONS

Deferring key renewal and replacement projects lead to increased operation and maintenance costs that have to be passed on to electric utility rate payers. These projects are funded primarily from rate revenue cash. High interface with property owners. Effectiveness through in-depth coordination with other City projects and project prioritization using data from dispatcher outage database, reliability databases, ESRI and AMI.

BENEFITS

Investment in these projects maintain appropriate levels of system reliability and meet regulatory compliance. Appropriate investments help keep utility retail rates lower by avoiding costly infrastructure rebuilds. These projects also result in operational efficiencies and flexibility.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
MATERIAL	6,192,200			622,200	1,260,000	1,225,000	915,000	835,000	1,335,000
EXPERT SERVICES	8,150,000			805,000	2,055,000	770,000	1,090,000	1,090,000	2,340,000
LABOR	1,508,200			146,200	199,000	362,000	287,000	237,000	277,000
EQUIPMENT	377,000			22,000	94,000	79,000	54,000	29,000	99,000
OVERHEAD	2,726,000			255,000	555,000	615,000	485,000	335,000	481,000
ENGINEERING	1,076,020			108,001	237,002	171,003	158,004	141,005	261,005
TOTAL	\$ 20,029,420	\$ -	\$ -	\$ 1,958,401	\$ 4,400,002	\$ 3,222,003	\$ 2,989,004	\$ 2,667,005	\$ 4,793,005
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
ELECTRIC RATE REVENUE	19,393,580			1,762,561	3,960,002	3,222,003	2,989,004	2,667,005	4,793,005
REVENUE BOND ISSUE (2020)	635,840			195,840	440,000				
TOTAL	\$ 20,029,420	\$ -	\$ -	\$ 1,958,401	\$ 4,400,002	\$ 3,222,003	\$ 2,989,004	\$ 2,667,005	\$ 4,793,005
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

System Improvements

Type of Project Electric	Partnership Project? NO	Project # ES130011
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: System Improvements		
PROJECT ADMINISTRATION: Energy Services		
PROJECT LOCATION: Various locations within the electric utility service area		
PROJECT TIMELINE: Annual Investments		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Capital improvements to the electric utility infrastructure that are essential to community growth, regulatory compliance, and system reliability. These represent new improvements, some of which are required on an annual basis.

PROJECT ASSUMPTIONS

Major system improvement projects are not included in this category of projects; rather major projects are listed separately in the CIP. These projects are not upgrades to existing infrastructure which are included in the Renewals & Replacements project category. These projects can be funded directly from rate revenues and from revenue bonding; no facility fees are used to fund these projects. Right of way (ROW) acquisitions may be required. Some regulatory mandates. WSDOT and other agency permitting may be required.

BENEFITS

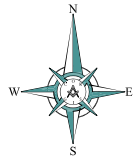
Projects necessary to maintain reliable service related to new electrical load, meet regulatory requirements, and maintain or enhance existing levels of electrical system reliability. These projects also result in operational efficiencies and flexibility.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
MATERIAL	1,951,000			203,000	506,000	723,000	173,000	173,000	173,000
EXPERT SERVICES	4,025,000			3,675,000	300,000	50,000	-	-	-
LABOR	1,048,500			132,500	290,000	332,000	98,000	98,000	98,000
EQUIPMENT	344,000			42,000	84,000	95,000	41,000	41,000	41,000
OVERHEAD	1,236,000			146,000	342,000	442,000	116,000	95,000	95,000
ENGINEERING	376,000			111,000	91,000	98,000	26,000	25,000	25,000
TOTAL	\$ 8,980,500	\$ -	\$ -	\$ 4,309,500	\$ 1,613,000	\$ 1,740,000	\$ 454,000	\$ 432,000	\$ 432,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
ELECTRIC RATE REVENUE	4,490,250			2,154,750	806,500	870,000	227,000	216,000	216,000
REVENUE BOND ISSUE (2020)	2,961,250			2,154,750	806,500				
REVENUE BOND ISSUE (2022)	1,097,000					870,000	227,000		
REVENUE BOND ISSUE (2024)	432,000							216,000	216,000
TOTAL	\$ 8,980,500	\$ -	\$ -	\$ 4,309,500	\$ 1,613,000	\$ 1,740,000	\$ 454,000	\$ 432,000	\$ 432,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Municipal

Capital Improvement Plan



2020 Municipal Projects

- 1** Public Safety Facility - Fire Station 73 Replacement
- 2** Equipment Replacement Program (City Wide)
- 3** ERP System (Financial System)
- 4** Broadband Fund - Leased Fiber Extensions (City Wide)
- 5** Public Safety Facility - Fire Station 75
- 6** IDF Economic Development Road Projects
- 7** Horn Rapids Irrigation





Capital Improvement Plan

2020 thru 2025

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Municipal Projects

Municipal										
Animal Control Shelter	MN130001	1,500,000	0	0	0	0	0	0	0	1,500,000
Broadband Fund-Leased Fiber Extensions	MN160001	300,000	200,000	200,000	200,000	0	0	0	0	900,000
Equipment Replacement Program	MN140016	3,277,269	3,842,178	5,771,853	5,628,056	4,060,627	2,683,223	3,520,967	5,051,615	33,835,788
ERP System (Financial Software replacement)	MN140018	4,024,763	2,415,551	1,247,805	1,385,112	102,390	0	0	0	9,175,621
Horn Rapids Irrigation	MN190003	0	0	150,000	100,000	100,000	0	0	0	350,000
IDF Economic Development Road Projects	MN190002	1,625,000	1,175,000	3,100,000	1,300,000	1,600,000	3,650,000	4,500,000	0	16,950,000
Public Safety Facility - Badger Mountain South	MN130007	0	0	0	0	0	0	0	6,365,000	6,365,000
Public Safety Facility - Fire Station 73 Replacement	MN130005	0	0	4,500,000	0	0	0	0	0	4,500,000
Public Safety Facility - Fire Station 75	MN170003	0	0	5,748,605	0	0	0	0	0	5,748,605
Public Safety Facility - Northwest	MN130009	0	0	0	0	0	5,390,000	0	0	5,390,000
Public Safety Facility - Southeast Reatta	MN170001	0	0	0	0	0	6,200,000	0	0	6,200,000
Municipal Total:		10,727,032	7,632,729	20,718,263	8,613,168	5,863,017	17,923,223	8,020,967	11,416,615	90,915,014

Municipal										
Electric Fund		1,464,068	849,018	564,674	1,072,561	411,937	427,148	469,862	516,848	5,776,116
Equipment Maint Fund		647,907	198,884	1,571,136	1,731,192	122,885	(2,121,021)	(1,077,797)	(1,109,944)	(36,758)
Facility Fees		150,000	100,000	100,000	100,000	0	0	0	0	450,000
General Fund		4,007,726	2,065,453	12,468,397	1,812,124	1,477,481	2,093,110	1,665,516	2,986,292	28,576,099
Healthcare Benefits Fund		36,804	157,372	38,541	90,239	6,671	0	0	0	329,627
Industrial Development Fund		1,634,776	1,192,731	3,266,129	1,410,169	1,700,752	3,650,000	4,500,000	0	17,354,557
Medical Services Fund		318,988	233,004	706,396	232,041	217,362	226,141	237,448	249,320	2,420,700
Property Tax 1%		0	0	0	0	0	1,400,000	0	0	1,400,000
Public Safety Sales Tax		55,266	73,781	65,070	68,371	59,991	60,413	61,622	62,854	507,368
Public Works Admin & Eng		32,706	77,472	44,880	65,431	45,808	48,315	53,147	58,462	426,221
Rate Revenue		150,000	100,000	100,000	100,000	0	0	0	0	450,000
Solid Waste Fund		992,947	1,691,909	1,068,100	1,132,014	1,179,219	1,291,911	1,421,102	1,563,212	10,340,414
Stormwater Fund		150,544	112,773	139,974	148,340	142,280	148,322	155,738	163,525	1,161,496
Unfunded		0	0	0	0	0	10,190,000	0	6,365,000	16,555,000
Wastewater Fund		468,883	375,171	323,720	382,373	327,849	338,385	355,305	373,070	2,944,756
Water Fund		616,417	405,161	261,246	268,313	170,782	170,499	179,024	187,976	2,259,418
Municipal Total:		10,727,032	7,632,729	20,718,263	8,613,168	5,863,017	17,923,223	8,020,967	11,416,615	90,915,014

Animal Control Shelter

Type of Project Municipal	Partnership Project? YES	Project # MN130001
Core Focus Area 3	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Animal Control Shelter		
PROJECT ADMINISTRATION: City Administration		
PROJECT LOCATION: Pasco		
PROJECT TIMELINE: 01/2016 - 12/2019		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The Tri-Cities Animal Control Authority (Kennewick/Richland/Pasco) was established in 1998 and provides animal control services for the three member agencies. The existing animal control facilities are located in Pasco and were built in 1950 and 1975. The facilities are owned by Pasco and the three cities participate in the maintenance of the building. In 2009, a study revealed that the facility was in poor condition and potentially too small to meet the projected demand for service. In 2015, the cities hired a consultant to facilitate selection of a replacement facility, develop a scope of services including operating and funding alternatives. The facility was further examined in a feasibility study in 2017 based on the results of the 2015 study.

PROJECT ASSUMPTIONS

Pasco will contribute a 5 acre site. Construction is estimated at \$4M plus land costs, shared equally among the cities. The 2017 feasibility study will provide guidance on the anticipated 2018 capital project. Richland's contribution to the facility is expected to be up to \$1,500,000 total, including all feasibility, land, architectural and design soft costs and hard construction costs.

BENEFITS

Animal control is a base level of service expectation for Richland residents. A replacement animal control facility will meet the expected demand for service for the next 20 years and the facility will be designed to be easily expanded to meet future demand. The current cost sharing method (non-capital) will be modified to more closely align with usage resulting in cost savings to the City of Richland. Historically Richland has fewer calls for service and animal intakes than the other two cities.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION MANAGEMENT	300,000	300,000							
CONSTRUCTION	1,100,000	1,100,000							
10% CONTINGENCY	-	-							
OTHER ENG. SERVICES	100,000	100,000							
	-	-							
TOTAL	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
GENERAL FUND	1,500,000	1,500,000							
	-	-							
	-	-							
	-	-							
TOTAL	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Broadband Fund - Leased Fiber Extensions

Type of Project Municipal	Partnership Project? NO	Project # MN160001
Core Focus Area 3	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Broadband Fund - Leased Fiber Extensions		
PROJECT ADMINISTRATION: City Administration		
PROJECT LOCATION: Citywide		
PROJECT TIMELINE: Ongoing		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The City anticipates several new fiber optic connections that will continue through 2020.

PROJECT ASSUMPTIONS

These connections are initiated by interested lessees.

BENEFITS

Access to fiber optic infrastructure encourages businesses to site or expand operations in the City of Richland

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
FIBER OPTIC EXTENSIONS	900,000	300,000	200,000	200,000	200,000				
	-								
	-								
TOTAL	\$ 900,000	\$ 300,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RATE REVENUE	450,000	150,000	100,000	100,000	100,000				
FACILITY FEES	450,000	150,000	100,000	100,000	100,000				
	-								
	-								
TOTAL	\$ 900,000	\$ 300,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Equipment Replacement Program

Type of Project Municipal	Partnership Project? NO	Project # MN140016
Core Focus Area 1	Strategic Leadership Plan Project? No	
PROJECT NAME: Equipment Replacement Program		
PROJECT ADMINISTRATION: Administrative Services		
PROJECT LOCATION: City Sites		
PROJECT TIMELINE: 2020 - 2025		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The city-wide equipment replacement program is reviewed by the Equipment Replacement Task Team. Year 2020 has been reviewed and recommendations for replacements have been determined as shown.

PROJECT ASSUMPTIONS

BENEFITS

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
ELECTRIC FUND	3,586,585	148,119	242,537	491,964	1,138,706	498,921	218,648	783,207	64,483
WATER FUND	1,541,431	63,953	123,000	95,000	273,104	687,330	68,385	91,606	139,053
WASTEWATER FUND	2,067,889	69,922	260,000	480,000	927,410	198,106	73,794	21,284	37,373
SOLID WASTE FUND	9,156,654	819,751	1,405,393	2,177,868	959,662	1,339,155	87,867	1,187,964	1,178,994
STORMWATER FUND	1,175,000	-	-	300,000	325,000	-	550,000	-	-
MEDICAL SERVICES FUND	1,225,000	295,000	-	300,000	-	310,000	-	320,000	-
PW ADMIN & ENGINEERING	449,177	46,859	40,000	95,000	125,594	70,204	-	71,520	-
GENERAL FUND	11,558,121	1,350,256	977,546	1,699,521	1,002,924	956,911	1,410,094	1,045,386	3,115,483
STREETS FUND (GF)	2,264,594	244,282	793,702	80,000	520,312	-	110,069	-	516,229
EQUIPMENT MAINTENANCE FUND	238,700	96,200	-	52,500	90,000	-	-	-	-
PUBLIC SAFETY SALES TAX FUND	572,637	142,927	-	-	265,344	-	164,366	-	-
TOTAL	\$ 33,835,788	\$ 3,277,269	\$ 3,842,178	\$ 5,771,853	\$ 5,628,056	\$ 4,060,627	\$ 2,683,223	\$ 3,520,967	\$ 5,051,615
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
ELECTRIC FUND CONTRIBUTIONS	3,433,083	265,225	291,748	320,922	753,014	388,316	427,148	469,862	516,848
WATER FUND CONTRIBUTIONS	1,354,668	145,920	206,937	147,284	154,648	162,380	170,499	179,024	187,976
WASTEWATER FUND CONTRIBUTIONS	2,419,467	187,608	243,592	292,310	306,925	322,272	338,385	355,305	373,070
SOLID WASTE FUND CONTRIBUTIONS	9,870,930	802,175	1,579,739	970,632	1,067,695	1,174,464	1,291,911	1,421,102	1,563,212
STORMWATER FUND CONTRIBUTIONS	1,046,301	86,108	88,691	128,126	134,532	141,259	148,322	155,738	163,525
AMBULANCE FUND CONTRIBUTIONS	1,652,606	137,813	186,047	195,349	205,116	215,372	226,141	237,448	249,320
PW ADMIN & ENG CONTRIBUTIONS	343,077	30,000	33,000	36,300	39,930	43,923	48,315	53,147	58,462
GENERAL FUND CONTRIBUTIONS	11,729,786	792,128	866,188	1,714,498	1,033,723	1,235,409	1,884,679	1,446,664	2,756,497
STREETS FUND CONTRIBUTIONS	1,755,475	159,311	171,477	380,050	189,053	198,506	208,431	218,852	229,795
EQUIPMENT MAINTENANCE FUND CONTRIB	143,628	15,041	15,793	16,583	17,412	18,282	19,197	20,156	21,164
PUBLIC SAFETY SALES TAX CONTRIB	466,947	52,020	55,813	56,929	58,067	59,229	60,413	61,622	62,854
EQUIPMENT RESERVES	(380,180)	603,920	103,153	1,512,870	1,667,941	101,215	(2,140,218)	(1,097,953)	(1,131,108)
TOTAL	\$ 33,835,788	\$ 3,277,269	\$ 3,842,178	\$ 5,771,853	\$ 5,628,056	\$ 4,060,627	\$ 2,683,223	\$ 3,520,967	\$ 5,051,615
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

ERP System (Financial System)

Type of Project Municipal	Partnership Project? NO	Project # MN140018
Core Focus Area 1	Strategic Leadership Plan Project? No	
PROJECT NAME: ERP System (Financial Software replacement)		
PROJECT ADMINISTRATION: City Administration		
PROJECT LOCATION: City Sites		
PROJECT TIMELINE: 2016-2020		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Beginning in 2010, the City has replaced its technology infrastructure and applications according to a strategic plan and governing committee. As a result, the City has systemically upgraded and/or replaced its systems to keep pace with technology and provide the most cost effective service delivery to our citizens. One of the core systems that needs to be addressed is the financial system, also known as Enterprise Resource Planning (ERP) system.

PROJECT ASSUMPTIONS

Staff augmentation and professional service use for multiple components (Project Management, Configuration, Testing, Implementation). Phased roll out. All components of GEMS completed by end of year two with additional support required in year three for Year End processing (CAFR, W2, etc). Travel for ERP vendor and Project Management vendor. Replacement of Blue Prince, Upgrade of Utility Billing (not complete replacement), Addition of Asset Management software. Cost allocation is based upon original 2016 CIP allocation/calculation percentages that may be subject to revision.

BENEFITS

The City has multiple disparate systems that are aged, do not integrate well, and require duplication of efforts. Data exists across multiple applications requiring multiple points of manual entry. Replacing the current applications that encompass the City's ERP system with a flexible software solution with a well- planned, well phased implementation will allow the City to reduce manual processes allowing staff to focus on more important processes, to improve integration between systems, to improve reporting, and to provide self-service portals for employees. This will also provide the City the ability to conform to changing regulations and security requirements that are not met by some of the City's current applications.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
HARDWARE	823,781	417,904	391,955	13,922					
SOFTWARE LICENSING	2,534,431	1,134,950	482,000	398,549	478,532	40,400			
SOFTWARE PROFESSIONAL SERVICES	2,253,503	793,888	825,000	279,965	354,650				
SOFTWARE TRAVEL	495,000	300,000	75,000	75,000	45,000				
PROJECT MANAGEMENT (PM) PROF SRV	1,124,000	624,000	230,000	180,000	90,000				
PM TRAVEL	144,500	96,500	18,000	12,500	12,500	5,000			
LABOR AUGMENTATION	1,583,406	502,521	331,596	287,869	404,430	56,990			
CONTINGENCY	217,000	155,000	62,000						
TOTAL	\$ 9,175,621	\$ 4,024,763	\$ 2,415,551	\$ 1,247,805	\$ 1,385,112	\$ 102,390	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
GENERAL FUND	3,669,316	1,543,793	988,267	528,679	566,686	41,891			
STREETS FUNDS	92,917	12,494	39,521	16,565	22,662	1,675			
INDUSTRIAL DEVELOPMENT FUND	54,557	9,776	17,731	16,129	10,169	752			
CRIMINAL JUSTICE SALES TAX FUND	40,421	3,246	17,968	8,141	10,304	762			
ELECTRIC FUND	2,343,033	1,198,843	557,270	243,752	319,547	23,621			
WATER FUND	904,750	470,497	198,224	113,962	113,665	8,402			
WASTEWATER FUND	525,289	281,275	131,579	31,410	75,448	5,577			
SOLID WASTE FUND	469,484	190,772	112,170	97,468	64,319	4,755			
STORMWATER FUND	115,195	64,436	24,082	11,848	13,808	1,021			
MEDICAL SERVICES FUND	348,094	181,175	46,957	91,047	26,925	1,990			
EQUIPMENT MAINTENANCE FUND	199,794	28,946	79,938	41,683	45,839	3,388			
PUBLIC WORKS ADMIN & ENG FUND	83,144	2,706	44,472	8,580	25,501	1,885			
HEALTHCARE BENEFITS FUND	329,627	36,804	157,372	38,541	90,239	6,671			
TOTAL	\$ 9,175,621	\$ 4,024,763	\$ 2,415,551	\$ 1,247,805	\$ 1,385,112	\$ 102,390	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Horn Rapids Irrigation

Type of Project Municipal	Partnership Project? YES	Project # MN190003
Core Focus Area 3	Strategic Leadership Plan Project? No	
PROJECT NAME: Horn Rapids Irrigation		
PROJECT ADMINISTRATION: Development Services		
PROJECT LOCATION: SR 240, West of Kingsgate		
PROJECT TIMELINE: 2020-2022		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The irrigation circles located on city property that is leased for farming has aged and is in need of replacement. Parts for the existing system are no longer available. The lease requires the city to maintain the irrigation pivots. This project will replace one center pivot irrigation system and stockpile spare parts for repair of other pivots until they can be replaced. The plan is to replace one per year for three years.

PROJECT ASSUMPTIONS

Assumes lease continues and city is required to maintain the system. The current lease runs through 2023. The life of a new circle is approximately 30 years and the circle south of SR240 is anticipated to be available for farming for the next 20 years.

BENEFITS

The city will continue to receive lease revenue from these properties.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
REPLACEMENT OF 1 PIVOT	350,000			150,000	100,000	100,000			
	-								
	-								
	-								
	-								
TOTAL	\$ 350,000	\$ -	\$ -	\$ 150,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
INDUSTRIAL DEVELOPMENT FUND	350,000			150,000	100,000	100,000			
	-								
	-								
	-								
	-								
TOTAL	\$ 350,000	\$ -	\$ -	\$ 150,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

IDF Economic Development Road Projects

Type of Project Municipal	Partnership Project? NO	Project # MN190002
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: IDF Economic Development Road Projects		
PROJECT ADMINISTRATION: Development Services		
PROJECT LOCATION: Horn Rapids Triangle		
PROJECT TIMELINE: 2019-2024		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The City's Industrial Development fund was established in order to encourage economic development, particularly the development of science, technology and manufacturing jobs. Currently the City has undeveloped land within the Horn Rapids Triangle Area that could generate new business and new jobs. Constructing the roads and infrastructure necessary to develop this property allows new businesses to expand. The land sales can then be used to develop additional City land. Listed projects represent the long range plan based on current sales and growth in the area. Actual build out of roads will be evaluated annually and adjusted as needed. Land sales anticipated as a result of these projects is estimated at \$20.8MM.

PROJECT ASSUMPTIONS

The 2018-2019 approved CIP list included \$4MM for Henderson Loop West Phase I (\$900,000) and Phase II (\$2,000,000), Battelle Blvd (\$600,000), and Clubhouse Lane (\$500,000). This year's update adds and additional \$750,000 to the Clubhouse Lane Phase I project to include a roudabout, \$700,000 for Clubhouse Lane Phase II, \$1,200,000 for 1st Street west of Kingsgate, \$600,000 for Road "B" from Polar Way into rail loop, \$3,500,000 to extend Kingsgate north of HR Road, \$2,500,000 to extend Battelle to SR 240, and \$3,150,000 to build Lowe Blvd. The economic development office already has offers and inquiries on land in these areas.

BENEFITS

Develop City property that is currently undeveloped, creating jobs and property taxes to further benefit the City.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	1,725,000	150,000	100,000	300,000	150,000	200,000	425,000	400,000	-
CONSTRUCTION MANAGEMENT	1,000,000	50,000	50,000	150,000	100,000	150,000	200,000	300,000	-
CONSTRUCTION	12,200,000	1,400,000	1,000,000	2,125,000	900,000	1,000,000	2,500,000	3,275,000	-
10% CONTINGENCY	1,850,000			500,000	125,000	225,000	500,000	500,000	-
OTHER ENG. SERVICES	175,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	-
SITE WORK	-								
FIRE ENGINE & MED UNIT	-								
TOTAL	\$ 16,950,000	\$ 1,625,000	\$1,175,000	\$3,100,000	\$1,300,000	\$ 1,600,000	\$3,650,000	\$4,500,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
INDUSTRIAL DEVELOPMENT FUND	16,950,000	1,625,000	1,175,000	3,100,000	1,300,000	1,600,000	3,650,000	4,500,000	-
	-								
	-								
	-								
TOTAL	\$ 16,950,000	\$ 1,625,000	\$1,175,000	\$3,100,000	\$1,300,000	\$ 1,600,000	\$3,650,000	\$4,500,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Public Safety Facility-Badger Mountain South

Type of Project Municipal	Partnership Project? NO	Project # MN130007
Core Focus Area 2	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Public Safety Facility-Badger Mountain South		
PROJECT ADMINISTRATION: Fire Services		
PROJECT LOCATION: City-owned land adjacent to the master-planned park		
PROJECT TIMELINE: 2025-2026		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Design and construct a new Southwest Public Safety facility located in the Badger Mountain South community. This will add a new response facility designed to house up to six (6) personnel (two crews), incorporate four (4) apparatus bays and provide office space and response parking for police officers. This public safety facility will provide initial emergency medical, law enforcement and fire response capability to the citizens of Southwest Richland in the Badger South Development as well as the Dallas Rd and I-82 corridors. This project supports the City's Comprehensive Plan -CFPS Goal 1 and Capital Facility element section 5 policy 1.

PROJECT ASSUMPTIONS

The building site will be City-owned land. Construction and other project expenses will be identified by city leadership at the time the Council determines the project should proceed. The station construction project will utilize design-build process. In addition to the construction cost this project will require the purchase of an equipped fire engine at \$700 K (2018), an equipped ambulance at \$390K (2018) and an equipped Type 5 wildland engine at \$300K (2018) plus incremental increase in O&M for vehicles and facilities. Staffing for the station will include 12 personnel for full operational response capabilities.

BENEFITS

Improves response times to homes and businesses in this area of the City that are outside the current standards of cover for EMS, Fire/Rescue services and law enforcement and adds to the depth of response capability overall in the City. This station, along with auto aid from Benton County Fire Protection Districts #1 and #4 positions the community in South Richland for better EMS, law enforcement and fire response reliability. The Southwest facility deployment is in alignment with the City's Comprehensive Plan, and response times consistent with the city's standards of cover.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN & ENGINEERING SERVICES	800,000								800,000
CONSTRUCTION	4,200,000								4,200,000
FIRE ENGINE & MED UNIT	1,365,000								1,365,000
	-								-
	-								-
	-								-
TOTAL	\$ 6,365,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,365,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	6,365,000								6,365,000
	-								-
	-								-
	-								-
	-								-
TOTAL	\$ 6,365,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,365,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
STAFFING	1,067,699								1,067,699
DEBT SERVICE	-								-
FACILITIES	-								-
ONE-TIME I.T. EQUIPMENT	-								-
MAINTENANCE & OPERATIONS	-								-
TOTAL	\$ 1,067,699	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,067,699

Public Safety Facility-Fire Station 73 Replacement

Type of Project Municipal	Partnership Project? YES	Project # MN130005
Core Focus Area 2	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Public Safety Facility-Fire Station 73 Replacement		
PROJECT ADMINISTRATION: Fire Services		
PROJECT LOCATION: Jadwin Ave near the corner with Stevens Drive		
PROJECT TIMELINE: 2020-2021		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Construction of a Richland public safety facility to replace Fire Station 73 with a building near the corner of Stevens Drive and Jadwin Ave. This facility will be designed to house up to 4 Fire/EMS personnel (1 crew), incorporate 4 apparatus bays, and provide functional space and parking for police department needs as well. This public safety facility will provide initial response to the citizens of North and Central Richland.

PROJECT ASSUMPTIONS

Because this is a station replacement project, no additional staffing or apparatus will be required for this project. The building site is City-owned land, near the corner of Stevens Drive and Jadwin Ave. Funding for construction and other project expenses will be identified by city leadership at the time the Council determines the project should proceed. The station construction project will utilize the same design-build approach and scaled-down floorplan from station 74 in Southwest Richland, constructed in 2015. This project assumes additional cost associated with secure parking due to its location and open access by way of major transportation arterials.

BENEFITS

This facility construction project replaces an existing fire station located at 1900 Jadwin. The current station is 60 years old and was identified in earlier comprehensive plans to be replaced in 2004. Staff has been able to extend the original life cycle an additional 15 years as of 2019, but the station is now past its reasonable service life. The new station will be constructed at a location that provides greater geographic emergency response coverage due the ability to take advantage of existing transportation corridors, and places the station in an optimal deployment system distribution.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN & ENGINEERING SERVICES	800,000			800,000					
CONSTRUCTION	3,700,000			3,700,000					
	-								
	-								
	-								
TOTAL	\$ 4,500,000	\$ -	\$ -	\$ 4,500,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
PROPERTY TAX 1%	4,500,000			4,500,000					
	-								
	-								
	-								
TOTAL	\$ 4,500,000	\$ -	\$ -	\$ 4,500,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Public Safety Facility - Fire Station 75

Type of Project Municipal	Partnership Project? YES	Project # MN170003
Core Focus Area 2	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Public Safety Facility - Fire Station 75		
PROJECT ADMINISTRATION: Fire Services		
PROJECT LOCATION: Battelle Blvd at Port of Benton Blvd		
PROJECT TIMELINE: 2020 -2021		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Design and construct a new Northeast Richland Fire and Emergency Services facility located near George Washington Way and Battelle Blvd. This will add a new response facility designed to house up to four (4) personnel and incorporate three (3) apparatus bays. Facility will provide initial emergency medical and fire response capability in the north-central and northeast areas of the city, including the southern half of the land transfer area. This project supports the City's Comprehensive Plan-CFPS Goal 1 and Capital Facility element section 5 policy 3.

PROJECT ASSUMPTIONS

The land for this project is owned by the city. The station construction project will utilize a design-build approach and will be a smaller scale than the previous station builds. In addition to the construction cost this project will require the purchase of an equipped fire engine at \$800K and an equipped ambulance at \$400K plus incremental increase in O&M for vehicles and facilities. Staffing for the station will include 12 personnel for full operational response capability. Project costs will need to be refined closer to construction as this station configuration will be smaller than previous builds.

BENEFITS

This station improves response times to homes and businesses in the northeast area of the City which is outside the current standards of cover for EMS and Fire/Rescue services, and adds to the depth of response capability overall in the City. This station, along with the relocation of station 73 positions the community in North Richland for better response reliability, and provides for response coverage that will be lost with the movement of Hanford fire station 93. This facility deployment is in alignment with the City's Comprehensive Plan, and response times consistent with the city's standards of cover.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN & ENGINEERING SERVICES	800,000			800,000					
CONSTRUCTION	3,700,000			3,700,000					
FIRE ENGINE & MED UNIT	1,200,000			1,248,605					
	-								
	-								
	-								
TOTAL	\$ 5,748,605	\$ -	\$ -	\$ 5,748,605	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
PNNL SERVICE AGREEMENT	800,000			800,000					
PROPERTY TAX	4,528,605			4,528,605					
MEDICAL SVCS FUND	420,000			420,000					
	-								
	-								
TOTAL	\$ 5,748,605	\$ -	\$ -	\$ 5,748,605	0	\$ -	0	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
STAFFING	11,793,746			1,575,000	1,983,000	1,983,000	2,033,000	2,083,825	2,135,921
DEBT SERVICE	1,700,000				300,000	350,000	350,000	350,000	350,000
FACILITIES	89,000				25,000	16,000	16,000	16,000	16,000
ONE-TIME I.T. EQUIPMENT	16,000				16,000				
MAINTENANCE & OPERATIONS	469,500				92,250	92,250	95,000	95,000	95,000
TOTAL	\$ 14,068,246	-	-	\$ 1,575,000	2,416,250	\$ 2,441,250	2,494,000	\$ 2,544,825	\$ 2,596,921

Public Safety Facility-Northwest

Type of Project Municipal	Partnership Project? YES	Project # MN130009
Core Focus Area 2	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Public Safety Facility-Northwest		
PROJECT ADMINISTRATION: Fire Services		
PROJECT LOCATION: Near Highway 240 and the Northwest entrance to Horn Rapids Community		
PROJECT TIMELINE: 2027		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Design and construct a new Northwest Richland Fire and Emergency Services facility located near Highway 240 and the Northwest entrance of the Horn Rapids Development. This will add a new response facility designed to house up to four (4) personnel and incorporate three (3) apparatus bays. Facility will provide initial emergency medical and fire response capability in the North and Northwest areas of the city. This project supports the City's Comprehensive Plan -CFPS Goal 1 and Capital Facility element section 5 policy 1.

PROJECT ASSUMPTIONS

The building site will be City-owned land. Construction and other project expenses will be identified at the time the Council determines the project should proceed. The project will utilize design-build process. In addition to the construction cost this project will require the purchase of an equipped fire engine at \$700 K, an equipped ambulance at \$390K and an incremental increase in O&M for vehicles and facilities. Staffing for the station will include 12 personnel for full operational response capabilities.

BENEFITS

Improves response times to homes and businesses in the northwest area of the City that are outside the current standards of cover for EMS and Fire/Rescue services, and adds to the depth of response capability overall in the City, including secondary coverage to the northeast, north central and SR240 bypass/ Van Giesen corridor. This station, in conjunction with the relocation of station 73 positions the community in North Richland for better response reliability. This facility deployment is in alignment with the City's Comprehensive Plan, and response times consistent with the city's standards of cover.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN & ENGINEERING SERVICES	800,000						800,000		
CONSTRUCTION	3,500,000						3,500,000		
FIRE ENGINE & MED UNIT	1,090,000						1,090,000		
	-								
	-								
	-								
	-								
TOTAL	\$ 5,390,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$5,390,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	5,390,000						5,390,000		
	-								
	-								
	-								
	-								
TOTAL	\$ 5,390,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$5,390,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
STAFFING	3,099,816						1,016,500	2,083,316	
DEBT SERVICE	274,912							274,912	
FACILITIES	16,000							16,000	
ONE-TIME I.T. EQUIPMENT	16,000							16,000	
MAINTENANCE & OPERATIONS	90,424							90,424	
TOTAL	\$ 3,497,152	-	-	\$ -	\$ -	\$ -	\$1,016,500	\$ 2,480,652	\$ -

Public Safety Facility - Southeast Reatta

Type of Project Municipal	Partnership Project? NO	Project # MN170001
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Public Safety Facility - Southeast Reatta		
PROJECT ADMINISTRATION: Fire Services		
PROJECT LOCATION: Area of Reata Road and Leslie Road		
PROJECT TIMELINE: 2023		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Design and construct a new Southeast Public Safety facility located on Reatta Rd, near Leslie Rd. This will add a new response facility designed to house up to four (4) personnel and incorporate three (3) apparatus bays. This facility will provide initial emergency medical and fire response capability in the south areas of the city, including the new growth along Leslie, and secondary coverage into Badger Mountain South. This project supports the City's Comprehensive Plan-CFPS Goal 1 and Capital Facility element section 5 policy 3.

PROJECT ASSUMPTIONS

This project will require the purchase of an equipped engine at \$800K, an equipped brush truck at \$300K and an equipped ambulance at \$400K plus incremental increase in O & M for vehicles and facilities. Staffing for the station may add up to 12 staff for full response operational capabilities. Funding sources for construction, staffing, and other expenses are yet to be determined but will likely be through voter approved mechanisms, at the time the Council determines the project should proceed. Land for this project is not allocated, and will need to be identified and purchased. Project construction timing will be dependent upon Council's prioritization of this project.

BENEFITS

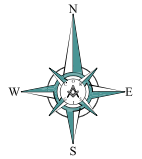
Based on growth in the area and the current standards of cover for EMS and Fire Services, this area is identified in Richland's Fire Station Deployment Plan as the ideal location for a future southeast station. Acquiring land for this station ensures that the project can proceed at the appropriate time, based on overall city needs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN & ENGINEERING SERVICES	800,000						800,000		
CONSTRUCTION	3,900,000						3,900,000		
FIRE ENGINE, BRUSH & AMBULANCE	1,500,000						1,500,000		
	-								
	-								
TOTAL	\$ 6,200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$6,200,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
PROPERTY TAX 1% UNFUNDED	1,400,000						1,400,000		
	4,800,000						4,800,000		
	-								
	-								
	-								
TOTAL	\$ 6,200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$6,200,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
STAFFING	6,252,746						2,033,000	2,083,825	2,135,921
DEBT SERVICE	1,050,000						350,000	350,000	350,000
FACILITIES	50,000						16,000	17,000	17,000
ONE-TIME I.T. EQUIPMENT	16,000						16,000		
MAINTENANCE & OPERATIONS	285,000						95,000	95,000	95,000
TOTAL	\$ 7,653,746	-	-	\$ -	\$ -	\$ -	\$2,510,000	\$ 2,545,825	\$ 2,597,921



Parks & Public Facilities

Capital Improvement Plan



2020 Parks & Public Facilities

- ① Badger Mountain Park Improvements
- ② West Village Park at Badger Mountain South
- ③ City-Wide Tree Replacement
- ④ Municipal Facilities Renewal & Improvement Program (City Wide)
- ⑤ Parks Facilities Renewal & Improvement Program (City Wide)
- ⑥ Parks & Neighborhood Safety Program (City Wide)
- ⑦ Rivers to Ridges Trail: Badger Mountain Section
- ⑧ Hanford Legacy Park
- ⑨ City View Park Land Acquisition
- ⑩ GSA Parking Acquisition & Improvement





Capital Improvement Plan

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DeptSummary

2020 thru 2025

Parks Projects

Department	Project #	\$ through 2018	Budget Rem. 2019	2020	2021	2022	2023	2024	2025	Total
Parks										
Badger Mountain Park Improvements	PR130001	808,502	290,000	250,000	280,000	280,000	330,000	0	0	2,238,502
City View Park Land Acquisition	PR190003	0	0	50,000	270,000	0	0	0	2,000,000	2,320,000
City-Wide Tree Replacement	PR130016	120,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	260,000
Claybell Park Renewal & Replacement	PR190002	0	0	0	250,000	40,000	0	0	0	290,000
GSA Parking Acquisition and Improvement	PR190005	0	0	400,000	0	0	0	0	0	400,000
Hanford Legacy Park	PR190001	0	0	100,000	0	0	6,100,000	0	5,500,000	11,700,000
Horn Rapids Athletic Complex Infield & Fence Renewal	PR160003	80,000	50,000	0	0	90,000	0	0	0	220,000
Municipal Facilities Renewal & Improvement Program	PR140020	2,217,499	538,862	390,000	390,000	390,000	390,000	390,000	0	4,706,361
Parks & Neighborhood Safety Program	PR160005	111,000	10,000	10,000	10,000	0	0	0	0	141,000
Parks Facilities Renewal & Improvement Program	PR140021	820,000	400,000	250,000	250,000	250,000	250,000	250,000	0	2,470,000
Rivers to Ridges Trail: Badger Mountain Section	PR170004	2,500,000	225,000	1,330,000	0	0	0	0	0	4,055,000
South Orchard Park at Badger Mountain South	PR190004	0	0	0	0	0	0	330,000	550,000	880,000
West Village Park at Badger Mountain South	PR130005	0	0	550,000	0	0	1,500,000	0	0	2,050,000
Parks Total:		6,657,001	1,533,862	3,350,000	1,470,000	1,070,000	8,590,000	990,000	8,070,000	31,730,863

Parks										
Donations		1,078,580	0	1,000,000	0	0	0	0	0	2,078,580
Electric Fund		139,230	11,047	7,953	7,953	7,953	7,953	7,953	0	190,042
Equipment Maint Fund		8,010	1,779	1,734	1,734	1,734	1,734	1,734	0	18,459
General Fund		2,345,065	916,154	982,440	582,440	622,440	622,440	622,440	0	6,693,419
Grant - RCO		1,715,676	0	0	0	0	500,000	0	0	2,215,676
Healthcare Benefits Fund		0	0	435	435	435	435	435	0	2,175
Hotel/Motel-Lodging Funds		0	240,000	0	0	300,000	4,800,000	0	0	5,040,000
Industrial Development Fund		0	0	814	814	814	814	814	0	4,070
Medical Services Fund		2,862	1,637	872	872	872	872	872	0	8,859
Parks Reserve Fund		248,246	0	0	0	0	0	0	0	248,246
Parks Reserve Fund (Undesignated)		0	0	140,000	190,000	40,000	600,000	0	0	970,000
Parks Reserve-Park District 1		0	0	0	0	0	200,000	0	0	200,000
Parks Reserve-Park District 2		0	275,000	80,000	140,000	0	0	0	0	495,000
Parks Reserve-Park District 3		196,000	0	550,000	0	0	0	330,000	550,000	1,626,000
Public Safety Sales Tax		111,000	10,000	10,119	10,119	119	119	119	0	141,595
Public Works Admin & Eng		3,745	1,236	851	851	851	851	851	0	9,236
RCO Grant		0	0	0	0	0	500,000	0	500,000	1,000,000
REET-RE Excise Tax 1st 1/4%		562,000	0	570,000	510,000	370,000	330,000	0	0	2,342,000
REET-RE Excise Tax 2nd 1/4%		110,000	70,000	0	20,000	20,000	20,000	20,000	20,000	280,000
Solid Waste Fund		11,910	1,998	1,182	1,182	1,182	1,182	1,182	0	19,818
Stormwater Fund		7,619	266	159	159	159	159	159	0	8,680
Undesignated Park Reserve Fund		0	0	0	0	0	200,000	0	0	200,000
Unfunded		0	0	0	0	0	800,000	0	7,000,000	7,800,000
Wastewater Fund		39,139	1,072	711	711	711	711	711	0	43,766
Water Fund		57,919	3,673	2,730	2,730	2,730	2,730	2,730	0	75,242
WCIA Insurance Settlement Pmt		20,000	0	0	0	0	0	0	0	20,000
Parks Total:		6,657,001	1,533,862	3,350,000	1,470,000	1,070,000	8,590,000	990,000	8,070,000	31,730,863

Badger Mountain Park Improvements

Type of Project Parks Project	Partnership Project? YES	Project # PR130001
Core Focus Area 5	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Badger Mountain Park Improvements		
PROJECT ADMINISTRATION: Parks & Public Facilities		
PROJECT LOCATION: Badger Mountain Park, south Richland		
PROJECT TIMELINE: 2020 - 2024		
RESPONSE TO *GMA LEVEL OF SERVICE? YES		

PROJECT DESCRIPTION

Badger Mountain Park is a regional park and includes several popular tourist amenities including a lighted, multipurpose field, a top tier dog park, a water splash pad, and three well maintained little league fields centrally located on the Keene Road corridor. 2019 - prepare construction plans for additional parking per the master plan; 2020 - 2024 construct parking lot in phases with storm drainage, landscaping and lighting, improve drainage in the dog park, and improve landscaping in the Keene Road parking lot. The gravel parking lot creates dust and is uneven in places creating access issues. Paving the parking lot would better meet the community's expectation for the facility and enhance tourism opportunities in the area.

PROJECT ASSUMPTIONS

Authorization of Hotel/Motel Lodging Funds.

BENEFITS

Badger Mountain Community Park serves youth athletics, aquatics and dog user groups.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	20,000			5,000	5,000	5,000	5,000		
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	2,038,502	808,502	250,000	195,000	245,000	245,000	295,000		
CONTINGENCY	180,000		40,000	50,000	30,000	30,000	30,000		
OTHER ENG. SERVICES	-								
EQUIPMENT	-								
TOTAL	\$ 2,238,502	\$ 808,502	\$ 290,000	\$ 250,000	\$ 280,000	\$ 280,000	\$ 330,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
PARK RESERVE FUND	248,246	248,246							
PARK RESERVE - DISTRICT 2	50,000	-	50,000						
RCO GRANT	215,676	215,676							
PARK RESERVE - DISTRICT 3	196,000	196,000							
DONATIONS	78,580	78,580							
RE EXCISE TAX 1ST 1/4%	1,210,000	70,000		250,000	280,000	280,000	330,000		
	240,000		240,000						
TOTAL	\$ 2,238,502	\$ 808,502	\$ 290,000	\$ 250,000	\$ 280,000	\$ 280,000	\$ 330,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
labor	5,500			500	1,000	1,000	1,000	1,000	1,000
	-								
	-								
	-								
TOTAL	\$ 5,500	-	-	\$ 500	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000

City View Park Land Acquisition

Type of Project Parks Project	Partnership Project? NO	Project # PR190003
Core Focus Area 5	Strategic Leadership Plan Project? Yes	
PROJECT NAME: City View Park Land Acquisition		
PROJECT ADMINISTRATION: Parks & Public Facilities		
PROJECT LOCATION: City view		
PROJECT TIMELINE: Development driven		
RESPONSE TO *GMA LEVEL OF SERVICE? YES		

PROJECT DESCRIPTION

Acquisition of 5.5 acres of agricultural land from the Washington State Department of Natural Resources consistent with recently completed comprehensive land use planning. The land will become a future City park.

PROJECT ASSUMPTIONS

Land will be appraised in 2020 and aquired in 2021. Park will be planned in 2021 and potentially developed in 2025.

BENEFITS

Provide park land meeting level of service requirements to an area that will transition to an urban density from it's current agricultural use.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
LAND ACQUISITION	230,000				230,000				
CONSTRUCTION	2,000,000			50,000	40,000				2,000,000
OTHER ENG. SERVICES	90,000								
	-								
TOTAL	\$ 2,320,000	\$ -	\$ -	\$ 50,000	\$ 270,000	\$ -	\$ -	\$ -	\$ 2,000,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RE EXCISE TAX 1ST 1/4%	280,000			50,000	230,000				
RE EXCISE TAX 2ND 1/4%	-								
UNFUNDED	2,000,000								2,000,000
PARK DISTRICT 2	40,000				40,000				
	-								
	-								
TOTAL	\$ 2,320,000	\$ -	\$ -	\$ 50,000	\$ 270,000	\$ -	\$ -	\$ -	\$ 2,000,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
Labor	10,000								10,000
Equipment	1,000								1,000
Materials	4,000								4,000
	-								
	-								
TOTAL	\$ 15,000	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000

City-Wide Tree Replacement

Type of Project Parks Project	Partnership Project? NO	Project # PR130016
Core Focus Area 2	Strategic Leadership Plan Project? Yes	
PROJECT NAME: City-Wide Tree Replacement		
PROJECT ADMINISTRATION: Parks & Public Facilities		
PROJECT LOCATION: City-wide		
PROJECT TIMELINE: Ongoing		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The City manages a large inventory of public trees and employs a licensed arborist. This project funds major tree work that cannot be absorbed by the annual maintenance operating budget and consists of bulk tree purchases and contracting with local tree services to remove end-of-life mature trees.

PROJECT ASSUMPTIONS

Active management of the City's public trees are necessary for safety and aesthetics. The majority of project funds to date have been used in the Bypass Shelterbelt. The City maintains approximately 6,000 trees and experiences different degrees of annual tree mortality.

BENEFITS

Implementation of a proactive tree replacement plan will help to maintain a healthy and diverse tree canopy including trees of all ages and varieties. The City manages 6,000 publicly-owned trees throughout the City and plans for a 2% annual mortality rate. Over 200 trees are in streetscape environments and face a 10% annual mortality rate.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	260,000	120,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
	-								
	-								
	-								
	-								
TOTAL	\$ 260,000	\$ 120,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RE EXCISE TAX 2ND 1/4%	200,000	80,000	20,000		20,000	20,000	20,000	20,000	20,000
RE EXCISE TAX 1ST 1/4%	20,000			20,000					
WCIA INSURANCE-SETTLEMENT PAYMENT	20,000	20,000							
GENERAL FUND	20,000	20,000							
TOTAL	\$ 260,000	\$ 120,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Claybell Park Renewal & Replacement

Type of Project Parks Project	Partnership Project? NO	Project # PR190002
Core Focus Area 5	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Claybell Park Renewal & Replacement		
PROJECT ADMINISTRATION: Parks & Public Facilities		
PROJECT LOCATION: Claybell Park		
PROJECT TIMELINE: 2020		
RESPONSE TO *GMA LEVEL OF SERVICE? YES		

PROJECT DESCRIPTION

Reconstruct pickleball sports courts in 2021 and outfield fencing on little league field #2.

PROJECT ASSUMPTIONS

Continued popularity for pickleball courts

BENEFITS

Improved playing conditions for a little league practice field and pickleball courts. Each facility is end of life cycle.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	270,000				230,000	40,000			
10% CONTINGENCY	20,000				20,000				
	-								
TOTAL	\$ 290,000	\$ -	\$ -	\$ -	\$ 250,000	\$ 40,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
PARK RESERVE - DISTRICT 2	100,000				100,000				
PARKS RESERVE FUND (UNDESIGNATED)	190,000				150,000	40,000			
	-								
	-								
	-								
TOTAL	\$ 290,000	\$ -	\$ -		\$ 250,000	\$ 40,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
Labor	-								
Equipment	-								
Materials	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

GSA Parking Acquisition and Improvement

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR180001

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

GSA Parking Acquisition and Improvement

PROJECT ADMINISTRATION:

Parks & Public Facilities

PROJECT LOCATION:

625 Swift Boulevard

PROJECT TIMELINE:

2020

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

The United States General Services Administration had long committed to provide 80 leased parking spaces in the Richland Federal Building parking lot, but recently informed the City that the government will no longer continue to pursue the lease agreement. GSA now proposes to sell up to 80 parking spaces to the City at assessed value. The original lease was to be no cost, without a long term commitment, and with an obligation for the City to manage parking use on the entire Federal Building parking lot.

PROJECT ASSUMPTIONS

GSA will require deliniation of the City parking with a curb, signage, and landscaping. Prior and future improvements on the Federal Building parking lot are allowable offets to the purchase price of the up to 80 parking spaces.

BENEFITS

Purchasing the GSA property (as opposed to the original lease commitment) will provide full control of the property and certainty that the parking will be available in support of the new City Hall into the future.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
ACQUISITION	400,000			400,000					
CONSTRUCTION	-								
	-								
	-								
	-								
TOTAL	\$ 400,000	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
GENERAL FUND	400,000			400,000					
GENERAL FUND	-								
	-								
	-								
	-								
TOTAL	\$ 400,000	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-			3,000	3,000	3,000	3,000	3,000	3,000
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000

Hanford Legacy Park

Type of Project Parks Project		Partnership Project? NO	Project # PR190001
Core Focus Area 5	Strategic Leadership Plan Project? Yes		
PROJECT NAME: Hanford Legacy Park			
PROJECT ADMINISTRATION: Parks & Public Facilities			
PROJECT LOCATION: Hanford Legacy Park			
PROJECT TIMELINE: Development driven			
RESPONSE TO *GMA LEVEL OF SERVICE? YES			

PROJECT DESCRIPTION

Hanford Legacy Park is recommended by the Visit Tri Cities sports tourism study as the City's major investment opportunity. The existing master plan for the 75 acre park includes multi-purpose fields, softball fields, youth baseball fields and supporting amenities.

PROJECT ASSUMPTIONS

The project assumes the use of \$300,000 annually of lodging tax as debt service.

BENEFITS

Provide multi-purpose fields and game ready fields identified as a community need in the 2019-2025 Parks & Recreation Master Plan.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	100,000			100,000					
CONSTRUCTION	10,950,000						5,950,000		5,000,000
10% CONTINGENCY	650,000						150,000		500,000
	-								
TOTAL	\$ 11,700,000	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ 6,100,000	\$ -	\$ 5,500,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
PARK RESERVE - DISTRICT 1	200,000						200,000		
UNDESIGNATED PARK RESERVE	700,000			100,000			600,000		
UNFUNDED	5,000,000								5,000,000
RCO GRANT	1,000,000						500,000		500,000
HOTEL/MOTEL LODGING FUNDS	4,800,000						4,800,000		
	-								
TOTAL	\$ 11,700,000	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ 6,100,000	\$ -	\$ 5,500,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
Labor	200,000							100,000	100,000
Equipment	-								
Materials	-								
	-								
TOTAL	\$ 200,000	-	-	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000

Horn Rapids Athletic Complex Infield & Fence Renewal

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR160003

Core Focus Area

5

Strategic Leadership Plan Project?

Yes

PROJECT NAME:

Horn Rapids Athletic Complex Infield & Fence Renewal

PROJECT ADMINISTRATION:

Parks & Public Facilities

PROJECT LOCATION:

Horn Rapids Athletic Complex

PROJECT TIMELINE:

2020 - 2022

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

The Horn Rapids Athletic Complex is an complementary softball facility for the premier Columbia Playfields and also serves adult softball users. The complex is maintained at a lower level of service than other, similar facilities, and is now in need of infield and spectator seating area repairs beyond the capability of the City's maintenance operating budget. The City has also invested in temporary fencing and portable pitching mounds for the facility that require a storage facility. 2019 - construct 400 sq ft equipment storage building.

PROJECT ASSUMPTIONS

The softball portion of the Horn Rapids Athletic Complex will be replaced at a currently undetermined time in the future with a facility at Hanford Legacy Park at which point the fields will revert to economic development opportunities in the industrial park. Other park features including the existing BMX track and supporting facilities will remain.

BENEFITS

This project will improve playing surfaces and park aesthetics.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	220,000	80,000	50,000			90,000			
	-								
	-								
	-								
	-								
TOTAL	\$ 220,000	\$ 80,000	\$ 50,000	\$ -	\$ -	\$ 90,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RE EXCISE TAX 1ST 1/4%	140,000	50,000				90,000			
RE EXCISE TAX 2ND 1/4%	80,000	30,000	50,000						
	-								
	-								
	-								
TOTAL	\$ 220,000	\$ 80,000	\$ 50,000	\$ -	\$ -	\$ 90,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
MAINTENANCE	1,200			150	150	200	200	250	250
	-								
	-								
	-								
TOTAL	\$ 1,200	-	-	\$ 150	\$ 150	\$ 200	\$ 200	\$ 250	\$ 250

Municipal Facilities Renewal & Improvement Program

Type of Project Parks Project	Partnership Project? NO	Project # PR140020
Core Focus Area 2	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Municipal Facilities Renewal & Improvement Program		
PROJECT ADMINISTRATION: Parks & Public Facilities		
PROJECT LOCATION: City-wide		
PROJECT TIMELINE: Ongoing		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The City owns and operates a number of buildings used for general purpose government. The City additionally owns a number of buildings and facilities that are exclusively operated by City enterprise funds and those are not considered here. Existing general purpose government facilities include: Fire Stations, 1, 2, 3 & 4, Library, Community Center, City Hall, Police Station and Shops Buildings, 100, 200 & 300. The City's facility maintenance operating budget absorbs the expense of basic operations and small repairs. This project is intended to fund ongoing renewal and improvement projects to existing facilities outside the scope and capability of the annual operating budget. Projects are contemplated in life cycle planning for each facility. Major improvement projects are outside the capability of this renewal and improvement program and are separated out into their own capital improvement projects.

PROJECT ASSUMPTIONS

This program funds the categories of safety and security in a five category program also including corrective, preventative, efficiency and beautification projects.

BENEFITS

Prolong building life expectancy and ensure building and safety of the general fund supported 14 buildings which total over 300,000 square feet.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/17	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
FACILITY MAINTENANCE	4,706,361	2,217,499	538,862	390,000	390,000	390,000	390,000	390,000	
	-								
	-								
	-								
TOTAL	\$ 4,706,361	\$ 2,217,499	\$ 538,862	\$ 390,000	\$ 390,000	\$ 390,000	\$390,000	\$ 390,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/17	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
GENERAL FUND	4,298,129	1,937,203	512,886	369,608	369,608	369,608	369,608	369,608	
STREETS FUND	27,290	9,862	3,268	2,832	2,832	2,832	2,832	2,832	
INDUSTRIAL DEVELOPMENT FUND	4,070	-	-	814	814	814	814	814	
PUBLIC SAFETY SALES TAX FUND	595	-	-	119	119	119	119	119	
ELECTRIC FUND	190,042	139,230	11,047	7,953	7,953	7,953	7,953	7,953	
WATER FUND	75,242	57,919	3,673	2,730	2,730	2,730	2,730	2,730	
WASTEWATER FUND	43,766	39,139	1,072	711	711	711	711	711	
SOLID WASTE FUND	19,818	11,910	1,998	1,182	1,182	1,182	1,182	1,182	
STORMWATER FUND	8,680	7,619	266	159	159	159	159	159	
MEDICAL SERVICES FUND	8,859	2,862	1,637	872	872	872	872	872	
EQUIPMENT MAINTENANCE FUND	18,459	8,010	1,779	1,734	1,734	1,734	1,734	1,734	
PUBLIC WORKS ADMIN & ENG FUND	9,236	3,745	1,236	851	851	851	851	851	
HEALTHCARE BENEFITS FUND	2,175	-	-	435	435	435	435	435	
TOTAL	\$ 4,706,361	\$ 2,217,499	\$ 538,862	\$ 390,000	\$ 390,000	\$ 390,000	\$ 390,000	\$ 390,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPAIRMENTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Park & Neighborhood Safety Program

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR160005

Core Focus Area

6

Strategic Leadership Plan Project?

Yes

PROJECT NAME:

Park & Neighborhood Safety Program

PROJECT ADMINISTRATION:

Parks & Public Facilities

PROJECT LOCATION:

Citywide - various locations

PROJECT TIMELINE:

2020 - 2022

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This program provides enhanced safety features to public recreation facilities and public streets. Specific program elements are in development with input from staff members from the Richland Police Department, Parks and Facilities Department, and Public Works Department. Program elements may include public recreation and parks site security improvements, safety lighting, emergency response notification improvements, pedestrian and bicycling safety features, and neighborhood traffic calming features.

PROJECT ASSUMPTIONS

Staff intends to develop an updated neighborhood traffic calming policy and to propose pedestrian safety improvements in some public recreation areas. The project will also depend on affirmation of project eligibility against the requirements of the Public Safety Sales Tax funding source.

BENEFITS

The project will result in enhanced public safety and in improved responsiveness to validated safety concerns brought forward by residents.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION EQUIPMENT	141,000	111,000	10,000	10,000	10,000	-			
	-								
	-								
	-								
	-								
TOTAL	\$ 141,000	\$ 111,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
PUBLIC SAFETY SALES TAX	141,000	111,000	10,000	10,000	10,000	-			
	-								
	-								
	-								
	-								
TOTAL	\$ 141,000	\$ 111,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Parks Facilities Renewal & Improvement Program

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR140021

Core Focus Area

2

Strategic Leadership Plan Project?

Yes

PROJECT NAME:

Parks Facilities Renewal & Improvement Program

PROJECT ADMINISTRATION:

Parks & Public Facilities

PROJECT LOCATION:

City-wide

PROJECT TIMELINE:

Ongoing

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

The City's park maintenance operating budget absorbs the expense of basic operations and small repairs. This renewal and improvement program is intended to be used for ongoing park improvement beyond the capability of the maintenance operating budget including: bathrooms, ball field turf and minor fencing replacement, minor playground safety surfacing replacement, trail and parking lot crack sealing/repairs/overlays, replacing park amenities, court resurfacing, irrigation system upgrades, and other similarly scaled projects. Major improvement projects are outside the capability of this renewal and improvement program and are separated out into their own capital improvement projects.

PROJECT ASSUMPTIONS

Safety, security and corrective projects are prioritized over preventative, efficiency, beautification, and replacement projects.

BENEFITS

Improve safety, longevity and accessibility of park amenities.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
PARKS FACILITIES MAINTENANCE	2,470,000	820,000	400,000	250,000	250,000	250,000	250,000	250,000	
	-								
	-								
	-								
	-								
TOTAL	\$ 2,470,000	\$ 820,000	\$ 400,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
GENERAL FUND	1,948,000	378,000	400,000	210,000	210,000	250,000	250,000	250,000	
RE EXCISE TAX 1ST 1/4%	442,000	442,000							
UNDESIGNATED PARK RESERVE FUND	80,000			40,000	40,000				
	-								
	-								
TOTAL	\$ 2,470,000	\$ 820,000	\$ 400,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Rivers to Ridges Trail: Badger Mountain Section

Type of Project Parks Project	Partnership Project? YES	Project # PR170004
Core Focus Area 5	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Rivers to Ridges Trail: Badger Mountain Section		
PROJECT ADMINISTRATION: Parks & Public Facilities		
PROJECT LOCATION: Little Badger Mountain to the Badger Mountain Centennial Preserve in the vicinity of the new Westcliffe Heights subdivision		
PROJECT TIMELINE: 2020 - 2021		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The Benton County-owned Badger Mountain Centennial Preserve receives over a quarter million visits per year mostly utilizing the City's Trailhead Park. The County and the Friends of Badger Mountain are attempting to distribute visitors to other portions of the Preserve. This project will construct a new soft surface trail on property the City is acquiring through: land aquisition, developer contribution of land in lieu of park impact fees and land donations from the Firends of Badger Mountain. These aquisitions are located in the saddle between the Badger Mt. Preserve and Little Badger and will provide the missing trail linkage between Candy Mt. and Claybell Park. This section of the trail development requires additional land acquisition to meet trail grade and transition requirements. 2019 - aquired 2.13 acres from Westcliffe Heights PH 1A; 2020 - purchase lot 17 in Westcliffe Heights for future ridge trail connection. 2020 - construct 900 lineal feet of trail and purchase land.

PROJECT ASSUMPTIONS

Successful fundraising by the Friends of Badger Mountain and successful negotiations with landowners.

BENEFITS

Use of Trailhead Park and the Benton County Centennial Preserve is at all time highs (over a quarter million annual visits). Distributing use onto additional trails and locations is good for trail management and user experience. The trail system contributes to Richland's quality of life.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
PROPERTY ACQUISITION	3,805,000	2,500,000	225,000	1,080,000					
CONSTRUCTION	250,000			250,000					
	-								
	-								
TOTAL	\$ 4,055,000	\$ 2,500,000	\$ 225,000	\$ 1,330,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
REET-RE EXCISE TAX 1ST 1/4%	250,000			250,000					
PARK RESERVE - DISTRICT 2	305,000		225,000	80,000					
PROPERTY DONATION	2,000,000	1,000,000		1,000,000					
2018 RCO GRANT	1,500,000	1,500,000							
	-								
	-								
TOTAL	\$ 4,055,000	\$ 2,500,000	\$ 225,000	\$ 1,330,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
LABOR	-			-					
MATERIALS	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

South Orchard Park at Badger Mountain South

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR190004

Core Focus Area

5

Strategic Leadership Plan Project?

Yes

PROJECT NAME:

South Orchard Park at Badger Mountain South

PROJECT ADMINISTRATION:

Parks & Public Facilities

PROJECT LOCATION:

Badger Mountain South

PROJECT TIMELINE:

Development driven

RESPONSE TO *GMA LEVEL OF SERVICE?

YES

PROJECT DESCRIPTION

Per the Badger Mountain South Development Agreement the first phase of the 6 acre South Orchard Park is triggered at the issuance of the 250th building permit within South Orchard Park or East Market Neighborhoods. The City has 18 months from that point to complete the first phase of park improvements. There are 2 phases identified in the agreement the first of which is anticipated in 2023 to install irrigation and turf on the entire 6 acres designated Neighborhood Park amenity. Phase 2 is triggered at 750 building permits and includes complete full build out of the 6 acres.

PROJECT ASSUMPTIONS

Home building will occur based on an anticipated schedule. The project is fully funded by park impact fees. The development agreement addresses 2 parks each with 2 construction phases.

BENEFITS

Provide neighborhood and community park amenities to residents in Badger Mountain South and to meet the City's obligations of the development agreement.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	800,000							300,000	500,000
10% CONTINGENCY	80,000							30,000	50,000
	-								
TOTAL	\$ 880,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 330,000	\$ 550,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
PARK RESERVE - DISTRICT 3	880,000							330,000	550,000
	-								
	-								
TOTAL	\$ 880,000	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 330,000	\$ 550,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
labor	20,000							10,000	10,000
material	6,000							3,000	3,000
	-								
	-								
TOTAL	\$ 26,000	-	-	\$ -	\$ -	\$ -	\$ -	\$ 13,000	\$ 13,000

West Village Park at Badger Mountain South

Type of Project Parks Project	Partnership Project? NO	Project # PR130005
Core Focus Area 5	Strategic Leadership Plan Project? Yes	
PROJECT NAME: West Village Park at Badger Mountain South		
PROJECT ADMINISTRATION: Parks & Public Facilities		
PROJECT LOCATION: Badger Mountain South		
PROJECT TIMELINE: Development driven		
RESPONSE TO *GMA LEVEL OF SERVICE? YES		

PROJECT DESCRIPTION

Per the Badger Mountain South Development Agreement the first phase of the 30 acre West Village Park is triggered at the issuance of the 400th building permit. The City has 18 months from that point to complete the first phase of park improvements. There are a number of phases identified in the agreement the first of which in 2020 is to install irrigation and turf on 10 acres of the 30 park. Phase 2 is triggered at 1,000 building permits and includes complete full build out of the first phase 10 acres Phase 3 is triggered at 1,750 building permits and includes turf and irrigation on the remaining 20 acres. Phase 4 is triggered at 2,750 building permits and includes full build out of the remaining 20 acres.

PROJECT ASSUMPTIONS

Home building will occur based on an anticipated schedule. The project is fully funded by park impact fees. The development agreement includes 4 construction phases.

BENEFITS

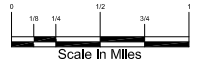
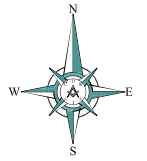
Provide neighborhood and community park amenities to residents in Badger Mountain South and to meet the City's obligations of the development agreement.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	50,000			50,000					
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	1,950,000			450,000			1,500,000		
10% CONTINGENCY	50,000			50,000					
OTHER ENG. SERVICES	-								
TOTAL	\$ 2,050,000	\$ -	\$ -	\$ 550,000	\$ -	\$ -	\$ 1,500,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
PARK RESERVE - DISTRICT 3	550,000			550,000					
UNDESIGNATED PARK RESERVE	200,000						200,000		
UNFUNDED	800,000						800,000		
RCO GRANT	500,000						500,000		
	-								
	-								
TOTAL	\$ 2,050,000	\$ -	\$ -	\$ 550,000	\$ -	\$ -	\$ 1,500,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
labor	135,000			15,000	15,000	15,000	30,000	30,000	30,000
materials	39,000			5,000	5,000	5,000	8,000	8,000	8,000
	-								
	-								
	-								
TOTAL	\$ 174,000	\$ -	\$ -	\$ 20,000	\$ 20,000	\$ 20,000	\$ 38,000	\$ 38,000	\$ 38,000



Solid Waste

Capital Improvement Plan



Legend
--- City Limits
--- Railroad

2020 Solid Waste Projects

- 1** Disposal Capacity Improvements
- 2** Solid Waste Facility Improvements
- 3** Compressed Natural Gas Fuel Conversion





Capital Improvement Plan

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DeptSummary

2020 thru 2025

Solid Waste Projects

Department	Project #	\$ through 2018	Budget Rem. 2019	2020	2021	2022	2023	2024	2025	Total
Solid Waste										
Compressed Natural Gas Fuel Conversion	SW190001	0	0	125,000	3,110,000	0	0	0	0	3,235,000
Disposal Capacity Improvements	SW130002	194,663	5,153,000	1,065,000	0	0	0	0	0	6,412,663
Landfill Closure, Phase 2	SW130003	0	225,000	0	3,555,000	0	0	0	0	3,780,000
Solid Waste Facility Improvements	SW160001	141,155	20,000	20,000	20,000	20,000	20,000	20,000	0	261,155
Solid Waste Total:		335,818	5,398,000	1,210,000	6,685,000	20,000	20,000	20,000	0	13,688,818
I										
Solid Waste										
Grant - (Unsecured)		0	0	93,750	2,332,500	0	0	0	0	2,426,250
Rate Revenue		284,659	2,238,000	116,250	797,500	20,000	20,000	20,000	0	3,496,409
Solid Waste Closure & Gen Ob Bonds		51,159	2,935,000	0	0	0	0	0	0	2,986,159
Solid Waste Fund		0	0	1,000,000	3,000,000	0	0	0	0	4,000,000
Solid Waste Fund (Rsv for closure)		0	225,000	0	555,000	0	0	0	0	780,000
Solid Waste Total:		335,818	5,398,000	1,210,000	6,685,000	20,000	20,000	20,000	0	13,688,818

Compressed Natural Gas Fuel Conversion

Type of Project Solid Waste	Partnership Project? NO	Project # SW190001
Core Focus Area 1	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Compressed Natural Gas Fuel Conversion		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Horn Rapids Landfill truck fleet		
PROJECT TIMELINE: 2020 - 2022		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The project will construct a natural gas fueling station at the City Shops capable of fueling solid waste collection fleet vehicles. The project will modify the equipment maintenance shop with safety features required for the handling of compressed natural gas fueled vehicles. The project will also purchase several natural gas fueled solid waste collection vehicles to begin the conversion of solid waste collections to natural gas fueling. The fueling station and maintenance shop will be built with capacity to support limited expansion of natural gas fueled vehicles in the City's fleet.

PROJECT ASSUMPTIONS

The project assumes acquisition of grant funding to ensure the conversion is cost-effective for solid waste operations, based on a feasibility study completed in 2018.

BENEFITS

Use of natural gas as the vehicle fuel for solid waste collections will reduce fuel costs and make fuel costs more stable and predictable. Use of natural gas will reduce vehicle emitting pollution from solid waste vehicles. If the landfill gas to fuel project is successfully implemented the City's use of biogas as a fuel for solid waste collections could dramatically reduce the City's reliance on fossil fuels for solid waste vehicle fuel.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	125,000			125,000					
CONSTRUCTION MANAGEMENT	75,000				75,000				
CONSTRUCTION	1,100,000				1,100,000				
10% CONTINGENCY	110,000				110,000				
VEHICLE PURCHASES	1,825,000				1,825,000				
TOTAL	\$ 3,235,000	\$ -	\$ -	\$ 125,000	\$ 3,110,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
GRANT (UNSECURED)	2,426,250			93,750	2,332,500				
SOLID WASTE RATES	808,750			31,250	777,500				
	-								
	-								
TOTAL	\$ 3,235,000	\$ -	\$ -	\$ 125,000	\$ 3,110,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
ELECTRICITY	3,000			3,000					
	-								
	-								
TOTAL	\$ 3,000	-	-	\$ 3,000	\$ -	\$ -	\$ -	\$ -	\$ -

Disposal Capacity Improvements

Type of Project Solid Waste	Partnership Project? NO	Project # SW130002
Core Focus Area 2	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Disposal Capacity Improvements		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Horn Rapids Landfill		
PROJECT TIMELINE: 2016 - 2020		
RESPONSE TO *GMA LEVEL OF SERVICE? YES		

PROJECT DESCRIPTION

Plan, design and construct facilities needed to provide future solid waste disposal capacity at the Horn Rapids Landfill. A feasibility study completed in 2017 resulted in Council selecting Horn Rapids Landfill expansion as the means of meeting the City's long term waste disposal needs. The project will construct the initial disposal cell of a 50-year landfill expansion. The initial cell will provide between seven and ten years of capacity. The cell construction was accomplished in 2019. In 2020 the project will replace the current administrative office and scalehouse and make selected improvements to the customer transfer station.

PROJECT ASSUMPTIONS

The project will require debt financing in the first half of 2020, either through a City bond issue or state-issued low-interest loan.

BENEFITS

Provide continued competitive costs for solid waste disposal to Richland citizens and businesses.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	522,663	194,663	278,000	50,000					
CONSTRUCTION MANAGEMENT	290,000	-	275,000	15,000					
CONSTRUCTION	5,600,000	-	4,600,000	1,000,000					
	-								
TOTAL	\$ 6,412,663	\$ 194,663	\$ 5,153,000	\$ 1,065,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
SOLID WASTE RATE REVENUE	2,426,504	143,504	2,218,000	65,000					
SOLID WASTE CLOSURE FUNDS	2,986,159	51,159	2,935,000						
PWTF LOAN OR REVENUE BOND	1,000,000	-		1,000,000					
	-								
TOTAL	\$ 6,412,663	\$ 194,663	\$ 5,153,000	\$ 1,065,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Landfill Closure, Phase 2

Type of Project Solid Waste	Partnership Project? NO	Project # SW130003
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Landfill Closure, Phase 2		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Horn Rapids Landfill		
PROJECT TIMELINE: 2019 - 2021		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

This project will prepare the existing landfill for long term stability. Once the final loads of waste are placed, the site must be closed to make it secure and isolate the waste from exposure to people and the environment, consistent with state and federal regulations. Final closure of the east side of the existing permitted landfill will include final grading, installation of an impermeable plastic cover, drilling wells and installing piping to capture and dispose of landfill gas, placement of topsoil and planting of vegetation, and construction of stormwater management features.

PROJECT ASSUMPTIONS

Current estimates are that the current landfill will be ready for closure in 2021. Funding for this closure phase is available in a dedicated reserve within the Solid Waste Utility.

BENEFITS

Closure will isolate the deposited waste from the environment and ensure compliance with regulatory requirements.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	225,000		225,000						
CONSTRUCTION MANAGEMENT	225,000				225,000				
CONSTRUCTION	3,025,000				3,025,000				
10% CONTINGENCY	305,000				305,000				
	-								
	-								
TOTAL	\$ 3,780,000	\$ -	\$ 225,000	\$ -	\$ 3,555,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CLOSURE RESERVE	780,000		225,000		555,000				
PWTF LOAN OR REVENUE BOND	3,000,000				3,000,000				
	-								
	-								
	-								
TOTAL	\$ 3,780,000	\$ -	\$ 225,000	\$ -	\$ 3,555,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Solid Waste Facility Improvements

Type of Project Solid Waste	Partnership Project? NO	Project # SW160001
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Solid Waste Facility Improvements		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Horn Rapids Landfill		
PROJECT TIMELINE: Ongoing		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

This program completes improvements to existing landfill facilities to improve customer service and operating efficiency. In 2020 planned work includes purchase of litter control fencing and rehabilitation and replacement of roll off drop boxes to support transfer station operations.

PROJECT ASSUMPTIONS

The project assumes financial and staff capacity to complete the work.

BENEFITS

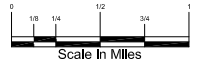
The projects identified will correct facility deficiencies and contribute to improved customer experience and staff efficiency.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	261,155	141,155	20,000	20,000	20,000	20,000	20,000	20,000	
TOTAL	\$ 261,155	\$ 141,155	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
SOLID WASTE RATE REVENUE	261,155	141,155	20,000	20,000	20,000	20,000	20,000	20,000	
	-								
TOTAL	\$ 261,155	\$ 141,155	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Stormwater

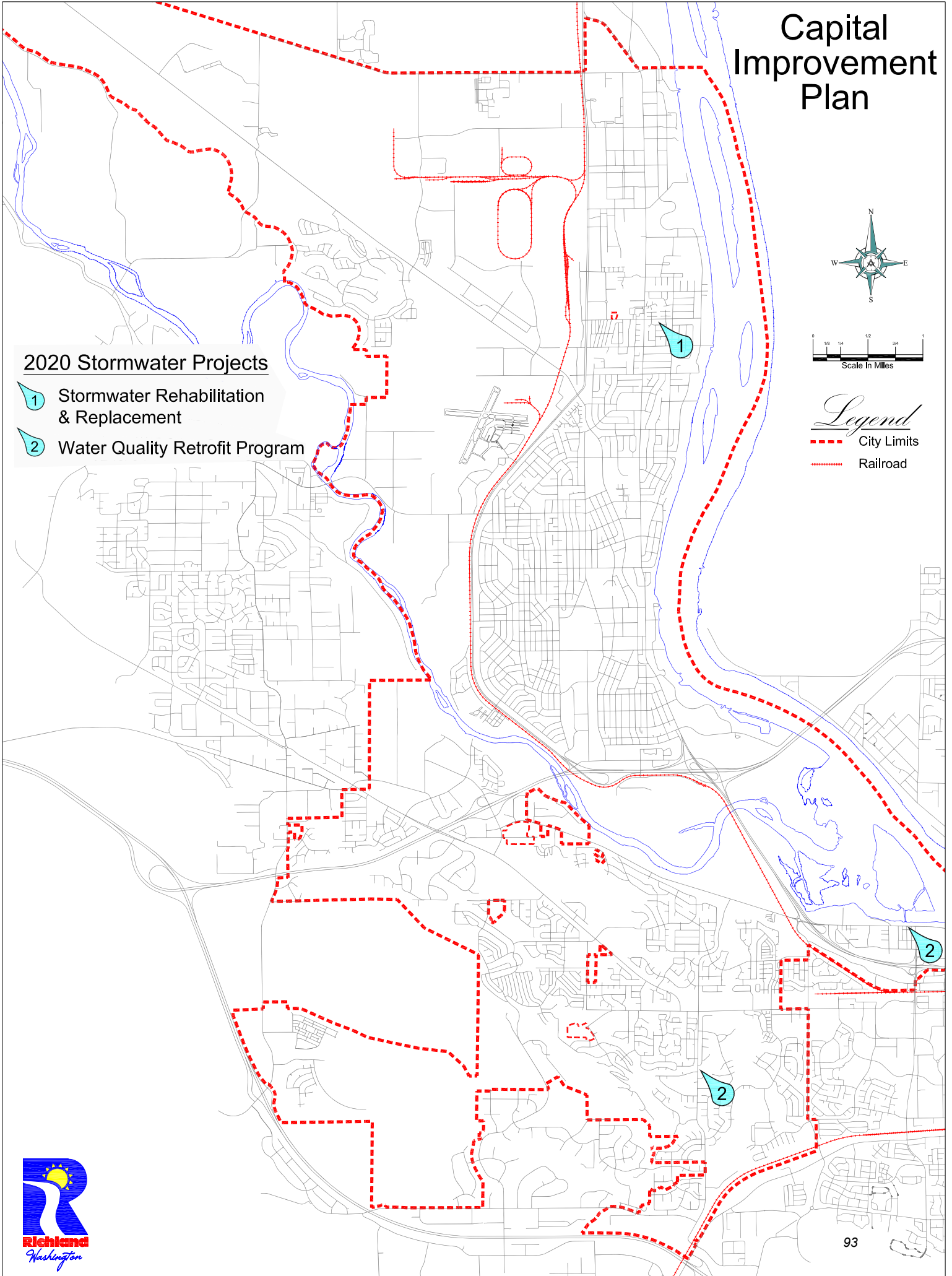
Capital Improvement Plan



Legend
--- City Limits
--- Railroad

2020 Stormwater Projects

- 1 Stormwater Rehabilitation & Replacement
- 2 Water Quality Retrofit Program





Capital Improvement Plan

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DeptSummary

2020 thru 2025

Stormwater Projects

Department	Project #	\$ through 2018	Budget Rem. 2019	2020	2021	2022	2023	2024	2025	Total
Stormwater										
Shockley Storm Mainline Conveyance	ST190001	0	0	0	0	0	0	0	1,100,000	1,100,000
Stormwater Rehabilitation & Replacement	ST130001	1,466,032	128,024	105,000	110,000	115,000	120,000	125,000	130,000	2,299,056
Water Quality Retrofit Program	ST130006	962,592	1,719,569	260,000	370,000	287,000	405,000	160,000	160,000	4,324,161
Stormwater Total:		2,428,624	1,847,593	365,000	480,000	402,000	525,000	285,000	1,390,000	7,723,217
Stormwater										
Grant - WA State Dept of Ecology		758,485	1,332,173	0	0	0	0	0	0	2,090,658
Rate Revenue		1,670,139	515,420	170,000	202,500	186,750	221,250	165,000	1,270,000	4,401,059
Stormwater Total:		2,428,624	1,847,593	365,000	480,000	402,000	525,000	285,000	1,390,000	7,723,217

Shockley Storm Mainline Conveyance

Type of Project Stormwater		Partnership Project? <input type="text" value="NO"/>		Project # ST190001	
Core Focus Area 2		Strategic Leadership Plan Project? No			
PROJECT NAME: Shockley Storm Mainline Conveyance					
PROJECT ADMINISTRATION: Public Works Administration and Engineering					
PROJECT LOCATION: Along Shockley Road from Queensgate Drive to Keene Road					
PROJECT TIMELINE: 2025					
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>					

PROJECT DESCRIPTION

This project would collect stormwater runoff from developed basins south of the KID canal and pipe to the Keene Road drainage system eliminating the discharge of stormwater into the canal.

PROJECT ASSUMPTIONS

Anticipated increased development in basin requiring additional infrastructure.

BENEFITS

Control future capacity issue by constructing infrastructure to convey collected flows to regional facility.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION									1,100,000
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,100,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
STORMWATER RATE REVENUE									1,100,000
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,100,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Stormwater Rehabilitation & Replacement

Type of Project Stormwater	Partnership Project? NO	Project # ST130001
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Stormwater Rehabilitation & Replacement		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Throughout Richland City Limits		
PROJECT TIMELINE: Ongoing		
RESPONSE TO *GMA LEVEL OF SERVICE? YES		

PROJECT DESCRIPTION

This program corrects stormwater system deficiencies that arise from normal wear and tear or inadequate capacity. Some of the work will coincide with the Pavement Preservation Program, fixing stormwater issues in advance of pavement rehabilitation.

PROJECT ASSUMPTIONS

The assumption is that rates are generating adequate capital revenue funds.

BENEFITS

This program addresses the ongoing maintenance needs for the stormwater conveyance system.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	2,299,056	1,466,032	128,024	105,000	110,000	115,000	120,000	125,000	130,000
	-								
TOTAL	\$ 2,299,056	\$ 1,466,032	\$ 128,024	\$ 105,000	\$ 110,000	\$ 115,000	\$ 120,000	\$ 125,000	\$ 130,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
STORMWATER RATE REVENUE	2,299,056	1,466,032	128,024	105,000	110,000	115,000	120,000	125,000	130,000
	-								
	-								
	-								
TOTAL	\$ 2,299,056	\$ 1,466,032	\$ 128,024	\$ 105,000	\$ 110,000	\$ 115,000	\$ 120,000	\$ 125,000	\$ 130,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Water Quality Retrofit Program

Type of Project Stormwater	Partnership Project? NO	Project # ST130006
Core Focus Area 4	Strategic Leadership Plan Project? No	
PROJECT NAME: Water Quality Retrofit Program		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Various Locations		
PROJECT TIMELINE: Ongoing		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The existing stormwater conveyance system includes numerous points where untreated stormwater runoff is discharged to the Columbia or Yakima Rivers. This program adds water quality treatment features to the existing system to reduce the negative impact of untreated urban runoff on the water quality in these rivers. The City has developed a ranked list of water quality projects and will apply for State grants to support the program. At present, the program includes three grant-supported projects in various stages of development. One will address several stormwater outfalls on the segment of Columbia Park Trail from SR240 to the east City limits. One will address several outfalls on the segment of Columbia Park Trail between the Sundance Ridge subdivision and Leslie Road. A third grant-funded project will design an outfall upgrade to the Amon Wasteway located within the Meadow Springs area. In late 2019 the City will apply for grant funds to implement water quality features on outfalls near Goethals Drive. If grant funds are secured these projects will move forward to final design, permitting and construction in 2020.

PROJECT ASSUMPTIONS

This program is presently structured to leverage Washington State Department of Ecology grant funds to accomplish the program goals. Use of these funds will offset likely future regulatory requirements to implement the program. The funded projects rely on the availability of the awarded State funds. The Columbia Park Trail project west of Leslie Road will require approval by the U.S. Army Corps of Engineers. The Meadow Springs project will likely require cooperation and perhaps an easement from the Meadow Springs Country Club.

BENEFITS

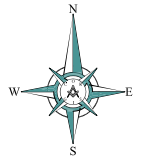
The completed projects will reduce pollutants in stormwater runoff, thus protecting the water resources in our City. Additionally, the project's use of grant funds offsets future permit-compliance obligations that would be funded by City ratepayers.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	380,000	120,000	260,000						
CONSTRUCTION MANAGEMENT	134,087	60,000	74,087						
CONSTRUCTION	3,568,808	668,808	1,258,000	260,000	370,000	287,000	405,000	160,000	160,000
10% CONTINGENCY	241,266	113,784	127,482						
	-								
TOTAL	\$ 4,324,161	\$ 962,592	\$ 1,719,569	\$ 260,000	\$ 370,000	\$ 287,000	\$ 405,000	\$ 160,000	\$ 160,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
STORMWATER RATE REVENUE	1,002,003	204,107	387,396	65,000	92,500	71,750	101,250	40,000	40,000
GRANT-WA STATE DEPT OF ECOLOGY	2,090,658	758,485	1,332,173						
GRANT - ECOLOGY (UNSECURED)	1,231,500			195,000	277,500	215,250	303,750	120,000	120,000
	-								
	-								
TOTAL	\$ 4,324,161	\$ 962,592	\$ 1,719,569	\$ 260,000	\$ 370,000	\$ 287,000	\$ 405,000	\$ 160,000	\$ 160,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Transportation

Capital Improvement Plan



2020 Transportation Projects

- 1 Duportail Bridge
- 2 Pavement Preservation Program (City Wide)
- 3 ADA Compliance / Sidewalk Repairs Program (City Wide)
- 4 South GWW Intersection Improvements
- 5 Columbia Park Trail Improvements - East
- 6 Steptoe Street / Tapteal Drive Intersection Improvements
- 7 Center Parkway-South-Leslie Road to Clearwater Creek
- 8 Vantage Highway Pathway - Phase 2
- 9 South Richland Collector Streets
- 10 Island View to Vista Field Trail
- 11 SR240 Flyover at Aaron
- 12 Duportail / Keene Intersection Improvement
- 13 Duportail / Queensgate Intersection Improvement
- 14 Traffic Signal Systemic Safety Upgrades
- 15 Van Giesen / SR-240 Intersection Improvements





Capital Improvement Plan

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FIN-BUD-CIP-002-
DeptSummary

2020 thru 2025

Transportation Projects

Department	Project #	\$ through 2018	Budget Rem. 2019	2020	2021	2022	2023	2024	2025	Total
Transportation										
ADA Compliance / Sidewalk Repairs Program	TR130004	967,236	270,199	100,000	100,000	100,000	100,000	100,000	100,000	1,837,435
Bella Coola Lane	TR180015	0	0	0	0	0	2,392,550	1,781,400	0	4,173,950
Center Parkway - North - Gage to Tapteal Drive	TR130002	3,199,938	672,012	0	1,580,264	0	0	0	0	5,452,214
Center Parkway-South-Leslie Road to Cleanwater Creek	TR140019	180,692	169,308	60,000	1,995,000	0	0	0	0	2,405,000
Columbia Park Trail Improvements - East	TR140016	106	104,894	4,915,785	0	0	0	0	0	5,020,785
Dallas Rd / I-82 Eastbound Ramp Intersection Improvements	TR180014	0	0	0	0	0	0	78,000	522,000	600,000
Dallas Rd / I-82 Westbound Ramp Intersection Improvements	TR180013	0	0	0	0	0	0	78,000	522,000	600,000
Dallas Rd / Trowbridge Blvd Intersection Improvements	TR180010	0	0	0	0	0	65,000	435,000	0	500,000
Dallas Road / Ava Way Intersection Improvements	TR180007	0	0	0	0	0	500,000	0	0	500,000
Dallas Road Widening	TR180012	0	0	0	0	0	274,270	914,230	0	1,188,500
Duportail / Keene Intersection Improvement	TR190002	0	0	784,000	0	0	0	0	0	784,000
Duportail / Kennedy Intersection Improvement	TR190003	0	0	0	0	500,000	0	0	0	500,000
Duportail / Queensgate Intersection Improvement	TR190004	0	0	504,700	0	0	0	0	0	504,700
Duportail Bridge	TR130001	15,317,998	17,447,409	4,696,154	0	0	0	0	0	37,461,561
Duportail Driveway Intersection Improvement	TR190001	0	0	0	0	0	0	500,000	0	500,000
Gage Boulevard Extension	TR180020	0	0	0	0	0	1,176,130	823,130	0	1,999,260
Gage Boulevard Improvements	TR150023	0	0	0	0	0	170,000	1,515,000	0	1,685,000
Island View to Vista Field Trail	TR180006	0	0	100,000	0	0	667,940	164,800	4,377,500	5,310,240
Kingsgate / Queensgate Corridor Improvements	TR180021	0	0	0	0	0	0	18,763,910	47,444,500	66,208,410
Pavement Preservation Program	TR130003	1,533,302	1,319,913	1,751,846	2,985,652	2,991,070	2,996,471	3,356,852	3,359,699	20,294,805
Queensgate Drive - Phase 1	TR140018	51,150	0	0	0	0	652,780	256,730	0	960,660
Queensgate Drive - Phase 2	TR150025	0	0	0	0	0	0	651,860	440,160	1,092,020
Road B-C	TR180019	0	0	0	0	0	0	1,378,550	542,180	1,920,730
Road B-C / Trowbridge Intersection Improvements	TR180018	0	0	0	0	0	0	65,000	435,000	500,000
Shockley Road Extension	TR180009	0	0	0	0	0	0	333,597	270,000	603,597
South GWW Intersection Improvements	TR130011	108,485	0	300,000	300,000	650,000	6,618,770	0	0	7,977,255
South GWW Pedestrian Access & Safety Improvement	TR160004	0	0	0	0	212,180	2,546,170	0	0	2,758,350
South Richland Collector Streets	TR160005	510,751	142,592	125,000	125,000	125,000	125,000	125,000	125,000	1,403,343
SR240 Flyover at Aaron	TR180008	0	0	800,000	1,000,000	30,000,000	0	0	0	31,800,000
Steptoe Street / Tapteal Drive Intersection Improvements	TR140017	40,000	175,000	20,000	1,411,000	0	0	0	0	1,646,000
Stevens Drive Pathway	TR150026	0	0	0	0	0	0	74,260	933,590	1,007,850
Swift Blvd / SR-2490 Intersection Improvements	TR190005	0	0	0	235,000	0	0	0	0	235,000
Traffic Signal Systemic Safety Upgrades	TR190006	0	56,200	522,500	0	0	0	0	0	578,700
Trowbridge Boulevard - Ava to Rd B-C	TR180011	0	0	0	0	0	1,903,470	1,409,540	0	3,313,010
Van Giesen / SR-240 Intersection Improvements	TR190007	0	0	75,000	0	0	0	0	0	75,000
Van Giesen / Thayer Intersection Improvements	TR180001	0	60,700	0	741,200	0	0	0	0	801,900
Vantage Highway Pathway - Phase 2	TR140020	0	0	120,000	1,204,000	0	0	0	0	1,324,000
Vantage Highway Pathway - Phase 3	TR150027	0	0	0	0	0	0	54,590	600,490	655,080
Wright / Swift Intersection Improvement	TR190008	0	0	0	0	0	90,000	924,300	0	1,014,300
Transportation Total:		21,909,658	20,418,227	14,874,985	11,677,116	34,578,250	20,278,551	33,783,749	59,672,119	217,192,655

Transportation

2013 BFCOG STP Funding Dist	1,048,107	0	0	0	0	0	0	0	0	1,048,107
2017 BFCOG STP Funding Dist	748,361	41,088	0	0	0	0	0	0	0	789,449
Benton County	0	0	0	500,000	0	0	0	0	0	500,000
Benton County Rural Cap Funds	0	0	0	0	0	1,323,754	0	0	0	1,323,754
Benton County Rural Dev Funds (City)	0	0	0	0	0	509,234	0	0	0	509,234
BFCOG	106	104,894	4,307,785	0	0	147,050	1,310,475	0	0	5,870,310
BFCOG Tap Fund Award	0	0	0	0	106,090	763,851	0	0	0	869,941
Business License Reserve Fund	24,258	41,442	25,000	25,000	25,000	25,000	25,000	25,000	25,000	215,700
CDBG Funds	740,137	207,360	65,000	182,500	65,000	65,000	65,000	65,000	65,000	1,454,997

Department	Project #	\$ through	Budget	2020	2021	2022	2023	2024	2025	Total
City of Kennewick (RR Negotiation)		1,059,260	0	0	0	0	0	0	0	1,059,260
Federal Appropriation (2013 Budget)		325,383	0	0	0	0	0	0	0	325,383
General Fund		1,411,802	654,570	930,000	930,000	930,000	930,000	930,000	930,000	7,646,372
General Fund (In Lieu of PWTF Debt Svc)		257,892	0	0	0	0	0	0	0	257,892
Grant - (Unsecured)		0	0	30,000	1,101,000	24,000,000	77,850	799,520	0	26,008,370
Grant - STP Fund - COG (Unsecured)		0	0	259,500	1,049,632	0	1,323,754	0	0	2,632,886
Grant - TAP (UL) (Unsecured)		0	0	90,000	903,000	0	0	54,590	600,490	1,648,080
Grant - TIB		378,326	0	0	0	0	0	0	0	378,326
Grant - TIB (Unsecured)		5,219,345	3,410,392	370,263	790,132	390,000	3,309,385	0	0	13,489,517
Grant - TIB (Unsecured)		0	0	0	0	0	254,617	0	0	254,617
Grant - Washington State		4,217,974	12,706,135	3,075,891	0	0	0	0	0	20,000,000
Grant - WSDOT Bike/Ped (Unsecured)		0	0	0	0	0	763,851	0	0	763,851
Grant - WSDOT HSIP (Unsecured)		0	54,700	0	741,200	0	0	0	0	795,900
HSIP Funds (Secured)		32,436	0	0	0	0	0	0	0	32,436
Impact Fees		742,593	311,900	125,000	175,000	125,000	777,780	881,730	125,000	3,264,003
Impact Fees (Traffic)		0	0	300,000	0	0	0	0	0	300,000
Industrial Development Fund		320,000	0	0	0	0	0	0	0	320,000
Interfund Loan & Gen Ob Bonds		1,620,757	39,794	0	0	0	0	0	0	1,660,551
Kennewick School District		0	0	0	155,000	0	0	0	0	155,000
LTGO 98 Fund		715,000	0	0	0	0	0	0	0	715,000
Port of Kennewick		0	0	800,000	200,000	0	0	0	0	1,000,000
Private Partner		40,000	0	0	0	0	0	0	0	40,000
Public Works Trust Fund Loan		750,000	0	0	0	0	0	0	0	750,000
REET-RE Excise Tax 1st 1/4%		223,732	265,673	901,200	685,500	1,356,090	277,567	204,525	0	3,914,287
REET-RE Excise Tax 2nd 1/4%		429,015	532,997	1,249,000	972,500	310,000	984,027	434,780	310,000	5,222,319
STP - Urban Grant		524,990	0	0	0	0	0	0	0	524,990
STP Fund (Secured-COG)		463,852	406,339	0	0	0	0	0	0	870,191
STP-UL Funds (Secured)		48,143	0	0	0	0	0	0	0	48,143
Street Fund - Fuel Tax		221,689	0	0	0	0	0	0	0	221,689
Transportation Benefit District		346,500	340,343	521,846	532,283	542,929	553,787	824,081	829,699	4,491,468
Unfunded		0	0	0	2,634,369	1,718,141	8,192,044	28,254,048	56,786,930	97,585,532
WSDOT		0	50,600	574,500	100,000	5,010,000	0	0	0	5,735,100
WSDOT SR 240 Project Funds		0	1,250,000	1,250,000	0	0	0	0	0	2,500,000
Transportation Total:		21,909,658	20,418,227	14,874,985	11,677,116	34,578,250	20,278,551	33,783,749	59,672,119	217,192,655

ADA Compliance / Sidewalk Repair Program

Type of Project

Transportation

Partnership Project?

NO

Project #

TR130004

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

ADA Compliance / Sidewalk Repair Program

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

City-wide

PROJECT TIMELINE:

Ongoing

RESPONSE TO *GMA LEVEL OF SERVICE?

YES

PROJECT DESCRIPTION

Since 2015 the City has been developing an ADA Transition plan to identify systematic replacement of non-ADA compliant intersection pedestrian ramps and other accessibility deficiencies. Staff have been using preliminary drafts of that Plan to guide program work. The formal Plan was completed in 2019. This program repairs and/or replaces handicap ramps, installs Accessible Pedestrian Signal systems at signalized intersections, installs pedestrian activated rapid flash beacons and eliminates barriers to pedestrian mobility. The program is key to the City's strategy to comply with the Americans with Disabilities Act by addressing pre-existing facilities that do not comply with current design standards. The City Council has prioritized use of Community Development Block Grant funds as the foundation of this vital program. The other funding sources are subject to annual competitive grant programs.

PROJECT ASSUMPTIONS

This project assumes that funding remains available to dedicate to this use.

BENEFITS

The program will result in improved pedestrian safety and mobility as current obstacles to pedestrian travel are removed. The program will secure compliance with ADA requirements.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	1,837,435	967,236	270,199	100,000	100,000	100,000	100,000	100,000	100,000
	-								
TOTAL	\$ 1,837,435	\$ 967,236	\$ 270,199	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RE EXCISE TAX 1ST 1/4%	190,826	190,826							
RE EXCISE TAX 2ND 1/4%	93,412	12,015	21,397	10,000	10,000	10,000	10,000	10,000	10,000
CDBG FUNDS	1,337,497	740,137	207,360	65,000	65,000	65,000	65,000	65,000	65,000
BUSINESS LICENSE RESERVE	215,700	24,258	41,442	25,000	25,000	25,000	25,000	25,000	25,000
	-								
	-								
TOTAL	\$ 1,837,435	\$ 967,236	\$ 270,199	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Bella Coola Lane

Type of Project Transportation	Partnership Project? NO	Project # TR180015
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Bella Coola Lane		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Bella Coola Lane from Trowbridge Blvd. to Road B-C		
PROJECT TIMELINE: 2023-2024		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The project will provide planned traffic circulation capacity in the Badger South area. The project will construct a new 2-lane street with curb, gutter, sidewalk, street lights and storm drainage facilities.

PROJECT ASSUMPTIONS

The project will be completed as development progresses, most likely by development projects. The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

BENEFITS

The project will provide desirable travel facilities within the Badger South area and serve nearby development's travel needs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	534,420						534,420		
CONSTRUCTION MANAGEMENT	50,000							50,000	
CONSTRUCTION	1,574,000							1,574,000	
10% CONTINGENCY	157,400							157,400	
OTHER ENG. SRCS (ROW ACQUISITION)	1,858,130						1,858,130		
TOTAL	\$ 4,173,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,392,550	\$ 1,781,400	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	4,173,950						2,392,550	1,781,400	
	-								
	-								
	-								
TOTAL	\$ 4,173,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,392,550	\$ 1,781,400	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Center Parkway - North - Gage to Tapteal Drive

Type of Project

Transportation

Partnership Project?

YES

Project #

TR130002

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Center Parkway - North - Gage to Tapteal Drive

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Center Parkway from Gage Blvd to Tapteal Drive

PROJECT TIMELINE:

2008 - 2021

RESPONSE TO *GMA LEVEL OF SERVICE?

YES

PROJECT DESCRIPTION

This project would establish improved travel circulation in a very desirable retail services area of Richland and the entire Tri-Cities. The project is considered vital to the highest and best use development of properties along Tapteal Drive. The project would construct a new 3 lane roadway with bike lanes, curb, gutter and sidewalks on both sides of the street from Tapteal Drive to Gage Blvd. Also construction of a signalized/gated at-grade railroad crossing of the Port of Benton railroad track.

PROJECT ASSUMPTIONS

Project completion requires that the City prevail in litigation against the Tri-City Railroad and completion of property acquisitions from several private and public property owners. In addition, project completion depends on access to additional grant funding. Some TIB funding is available through administrative action, with larger requests requiring Board action. Additional BFCOG funding depends on a future distribution of funds, likely in late 2019.

BENEFITS

This roadway will provide improved street connectivity consistent with the Regional Transportation Plan. It will contribute to the City's goals for retail economic development in the Tapteal Business Park and for improved emergency response to the area.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	120,000	-	120,000						
CONSTRUCTION	1,580,264				1,580,264				
OTHER ENG. SERV (RR NEGOTIATIONS)	2,757,590	2,657,590	100,000						
OTHER ENG. SERV (ROW ACQUISITION)	994,360	542,348	452,012						
TOTAL	\$ 5,452,214	\$ 3,199,938	\$ 672,012	\$ -	\$ 1,580,264	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
STREET FUND-FUEL TAX	13,500	13,500							
GENERAL FUND	500,000	500,000							
INDUSTRIAL DEVELOPMENT FUND	320,000	320,000							
CITY OF KENNEWICK (RR NEGOTIATION)	1,059,260	1,059,260							
LTGO 98 FUND	415,000	415,000							
RE EXCISE TAX 1ST 1/4%	5,000	5,000							
RE EXCISE TAX 2ND 1/4%	45,000	45,000							
TIB GRANT	643,999	378,326	265,673						
STP FUND (SECURED-COG)	870,191	463,852	406,339						
TIB GRANT (UNSECURED)	790,132				790,132				
STP FUND (UNSECURED-COG)	790,132				790,132				
TOTAL	\$ 5,452,214	\$ 3,199,938	\$ 672,012	\$ -	\$ 1,580,264	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Center Parkway - South - Leslie Road to Clearwater Creek

Type of Project

Transportation

Partnership Project?

YES

Project #

TR140019

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Center Parkway - South - Leslie Road to Clearwater Creek

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Leslie Road to the Clearwater Creek Subdivision

PROJECT TIMELINE:

2019 - 2021

RESPONSE TO *GMA LEVEL OF SERVICE?

YES

PROJECT DESCRIPTION

This project will complete a segment of the south Richland Collector Street system and thus improve connectivity to development south of Gage Boulevard. The project will construct a two-lane rural collector road with bike lanes, separated pathway on the north side of the street, pathway lighting, and storm drainage swales on both sides of the street. Left turn lanes will be constructed where needed.

The project will require right of way acquisition from a yet-to-be determined property owner and a permit from the Bonneville Power Administration. The project also relies on funding partnerships with the Kennewick School District, Benton County, and the Port of Kennewick, which will be developed in the second half of 2019. Project implementation will also require wetland permitting. The schedule for construction will depend on right of way acquisition, permitting and funding availability. This project was originally referred to as "Rachel Road Improvements" but is being changed to reflect that the roadway will no longer align with Rachel Road. The design development is preliminary and more engineering is needed to solidify the cost estimate.

BENEFITS

Completion of this road will improve connectivity, trip distribution, pedestrian and bicycle connectivity, and safety of the area street network.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	160,000	30,692	69,308	60,000					
CONSTRUCTION MANAGEMENT	75,000				75,000				
CONSTRUCTION	1,600,000				1,600,000				
20% CONTINGENCY	320,000				320,000				
OTHER ENG. SRCES (ROW ACQUISITION)	100,000		100,000						
OTHER ENG. SRCES (STUDY)	150,000	150,000							
TOTAL	\$ 2,405,000	\$ 180,692	\$ 169,308	\$ 60,000	\$ 1,995,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
TRAFFIC IMPACT FEES	400,000	180,692	169,308		50,000				
PORT OF KENNEWICK	200,000				200,000				
BENTON COUNTY	500,000				500,000				
KENNEWICK SCHOOL DISTRICT	155,000				155,000				
REAL ESTATE EXCISE TAX 2nd 1/4	605,000			60,000	545,000				
REAL ESTATE EXCISE TAX 1st 1/4	545,000				545,000				
RE EXCISE TAX 1ST 1/4%	\$ 2,405,000	\$ 180,692	\$ 169,308	\$ 60,000	\$ 1,995,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Columbia Park Trail Improvements - East

Type of Project

Transportation

Partnership Project?

YES

Project #

TR140016

Core Focus Area

3

Strategic Leadership Plan Project?

No

PROJECT NAME:

Columbia Park Trail Improvements - East

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Benton-Franklin Transit office to East City Limits

PROJECT TIMELINE:

2019-2020

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

The project is intended to use street improvements to compliment the Island View area's waterfront access by introducing dedicated bicycle and pedestrian features to the current street that lacks them. The project will reconstruct the street surface to provide 3 lanes with curb, gutter, sidewalks, bike lanes, street lights, storm drainage facilities and streetscape on both sides. The project will also make improvements to the Wye Park parking lot and street frontage. A partnership with the Port of Kennewick will support the project.

PROJECT ASSUMPTIONS

The project depends on the Port of Kennewick funding, which is intended to come from the Benton County Rural County Capital Fund. The Benton County Commission approved this funding in 2019. The project presents an opportunity to leverage a stormwater water quality treatment retrofit grant, which has been approved by the Department of Ecology. The scope and costs of the stormwater project is represented in the Water Quality Retrofit Program within the Stormwater Fund Capital Improvement Plan, but will be combined with this project for contracting purposes. The project design is not complete at this time and development of the design concept could introduce scope, schedule, and cost changes. It is anticipated that a public involvement process in the design development will occur in late 2019 or early 2020.

BENEFITS

The project will support the redevelopment of the Island View area by introducing a high quality transportation facility with elements to support pedestrian, bicycle, and vehicular traffic, as well as streetscape features to enhance the character of the area. The project will contribute to the waterfront area planning vision that includes the Reach, Columbia Park West and Marina and the City's redevelopment goals for the Island View area.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	190,785	106	104,894	85,785					
CONSTRUCTION MANAGEMENT	100,000			100,000					
CONSTRUCTION	4,300,000			4,300,000					
10% CONTINGENCY	430,000			430,000					
	-								
TOTAL	\$ 5,020,785	\$ 106	\$ 104,894	\$ 4,915,785	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
BFCOG TAP-UL FUND AWARD	403,623	106	49,894	353,623					
BFCOG STP-UL FUND TRANSFER	973,700		55,000	918,700					
BFCOG HIP-UL FUND TRANSFER	393,462			393,462					
RE EXCISE TAX 1ST 1/4%	600,000			600,000					
PORT OF KENNEWICK	800,000			800,000					
BFCOG STP-UL AWARD (UNSECURED)	1,850,000			1,850,000					
	-								
TOTAL	\$ 5,020,785	\$ 106	\$ 104,894	\$ 4,915,785	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Dallas Rd / I-82 Eastbound Ramp Intersection Improvements

Type of Project Transportation	Partnership Project? NO	Project # TR180014
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Dallas Rd / I-82 Eastbound Ramp Intersection Improvements		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Dallas Road & I-82		
PROJECT TIMELINE: 2024-2025		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The project will be completed as development progresses, most likely by development projects. Reconstruct ramp and intersection for added capacity.

PROJECT ASSUMPTIONS

The project will be completed as development progresses, most likely by development projects. The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

BENEFITS

The project will provide desirable travel facilities within the Badger South area and serve nearby development's travel needs. The project will reduce congestion and improve travel capacity at the Interstate Ramps.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	78,000							78,000	
CONSTRUCTION MANAGEMENT	25,000								25,000
CONSTRUCTION	451,818								451,818
10% CONTINGENCY	45,182								45,182
TOTAL	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 78,000	\$ 522,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	600,000							78,000	522,000
	-								
	-								
	-								
TOTAL	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 78,000	\$ 522,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Dallas Rd / I-82 Westbound Ramp Intersection Improvements

Type of Project Transportation	Partnership Project? NO	Project # TR180013
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Dallas Rd / I-82 Westbound Ramp Intersection Improvements		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Dallas Road & I-82		
PROJECT TIMELINE: 2024-2025		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The project will be completed as development progresses, most likely by development projects. Reconstruct ramp and intersection for added capacity.

PROJECT ASSUMPTIONS

The project will be completed as development progresses, most likely by development projects. The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

BENEFITS

The project will provide desirable travel facilities within the Badger South area and serve nearby development's travel needs. The project will reduce congestion and improve travel capacity at the Interstate Ramps.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	78,000							78,000	
CONSTRUCTION MANAGEMENT	25,000								25,000
CONSTRUCTION	451,818								451,818
10% CONTINGENCY	45,182								45,182
TOTAL	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 78,000	\$ 522,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	600,000						-	78,000	522,000
	-								
	-								
	-								
TOTAL	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 78,000	\$ 522,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Dallas Rd / Trowbridge Blvd Intersection Improvements

Type of Project

Transportation

Partnership Project?

NO

Project #

TR180010

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Dallas Rd / Trowbridge Blvd Intersection Improvements

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Trowbridge Blvd at Dallas Road

PROJECT TIMELINE:

2023-2024

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

Reconstruct the intersection for additional capacity.

PROJECT ASSUMPTIONS

The project will be completed as development progresses, most likely by development projects. The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

BENEFITS

The project will provide desirable travel facilities within the Badger South area and serve nearby development's travel needs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	65,000						65,000		
CONSTRUCTION MANAGEMENT	20,000							20,000	
CONSTRUCTION	377,273							377,273	
10% CONTINGENCY	37,727							37,727	
TOTAL	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000	\$ 435,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	500,000						65,000	435,000	
	-								
	-								
	-								
TOTAL	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000	\$ 435,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Dallas Road / Ava Way Intersection Improvements

Type of Project

Transportation

Partnership Project?

NO

Project #

TR180007

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Dallas Road / Ava Way Intersection Improvements

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Ava Way at Dallas Road

PROJECT TIMELINE:

2023

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

Reconstruct the intersection for additional capacity.

PROJECT ASSUMPTIONS

The project will be completed as development progresses, most likely by development projects. The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

BENEFITS

The project will provide desirable travel facilities within the Badger South area and serve nearby development's travel needs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	65,000						65,000		
CONSTRUCTION	435,000						435,000		
TOTAL	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	500,000						500,000		
	-								
	-								
	-								
TOTAL	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Dallas Road Widening

Type of Project Transportation	Partnership Project? NO	Project # TR180012
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Dallas Road Widening		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Dallas Road from City limits to I-82		
PROJECT TIMELINE: 2024-2025		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The project will be completed as development progresses, most likely by development projects. Widening of Dallas Road from 2-lanes to 4-lanes with curb, gutter, sidewalk, bike lanes, street lights and storm drainage facilities.

PROJECT ASSUMPTIONS

The project will be completed as development progresses, most likely by development projects. The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

BENEFITS

The project will provide desirable travel facilities within the Badger South area and serve nearby development's travel needs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	274,270							274,270	
CONSTRUCTION MANAGEMENT	35,000								35,000
CONSTRUCTION	799,300								799,300
10% CONTINGENCY	79,930								79,930
TOTAL	\$ 1,188,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 274,270	\$ 914,230
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	1,188,500						-	274,270	914,230
	-								
	-								
	-								
TOTAL	\$ 1,188,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 274,270	\$ 914,230
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Duportail / Keene Intersection Improvement

Type of Project Transportation	Partnership Project? NO	Project # TR190002
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Duportail / Keene Intersection Improvement		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Duportail Street and Keene Road intersection		
PROJECT TIMELINE: 2020		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

This project will increase lanes and signal capacity at the Duportail Street and Keene Road intersection.

PROJECT ASSUMPTIONS

The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

BENEFITS

The project will improve intersection and corridor safety.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	60,000			60,000					
CONSTRUCTION MANAGEMENT	42,000			42,000					
CONSTRUCTION	620,000			620,000					
10% CONTINGENCY	62,000			62,000					
TOTAL	\$ 784,000	\$ -	\$ -	\$ 784,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
REAL ESTATE EXCISE TAX 2nd 1/4	784,000			784,000					
	-								
	-								
	-								
TOTAL	\$ 784,000	\$ -	\$ -	\$ 784,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Duportail / Kennedy Intersection Improvement

Type of Project Transportation	Partnership Project? NO	Project # TR190003
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Duportail / Kennedy Intersection Improvement		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Duportail Street and Kennedy Road intersection		
PROJECT TIMELINE: 2022		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

This project will make an improvement at the intersection of Duportail and Kennedy.

PROJECT ASSUMPTIONS

The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

BENEFITS

The project will improve intersection and corridor safety.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	50,000					50,000			
CONSTRUCTION	450,000					450,000			
TOTAL	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	500,000					500,000			
	-								
	-								
	-								
TOTAL	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Duportail / Queensgate Intersection Improvement

Type of Project Transportation	Partnership Project? NO	Project # TR190004
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Duportail / Queensgate Intersection Improvement		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Duportail Street and Queensgate Drive intersection		
PROJECT TIMELINE: 2020		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

This project will increase lanes and signal capacity at the Duportail Street and Queensgate intersection.

PROJECT ASSUMPTIONS

The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be partially funded through that program.

BENEFITS

The project will improve intersection performance and corridor safety. The project is scheduled to be completed with the opening of the Duportail Bridge. It will improve performance of this intersection with the anticipated usage changes that the new Duportail connection will provide.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	40,000			40,000					
CONSTRUCTION MANAGEMENT	28,000			28,000					
CONSTRUCTION	397,000			397,000					
10% CONTINGENCY	39,700			39,700					
OTHER ENG. SRCES (ROW ACQUISITION)	-								
TOTAL	\$ 504,700	\$ -	\$ -	\$ 504,700	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RMC 12.03 TRAFFIC IMPACT FEES	300,000			300,000					
REAL ESTATE EXCISE TAX 1st 1/4	204,700			204,700					
	-								
	-								
	-								
TOTAL	\$ 504,700	\$ -	\$ -	\$ 504,700	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Duportail Bridge

Type of Project Transportation	Partnership Project? YES	Project # 1R130001
Core Focus Area 2	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Duportail Bridge		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Duportail Street over the Yakima River from SR 240 to Queensgate		
PROJECT TIMELINE: 03/2008 - 2020		
RESPONSE TO *GMA LEVEL OF SERVICE? YES		

PROJECT DESCRIPTION

Construction of a bridge over the Yakima River connecting SR240 at Duportail Street with Queensgate Drive. The bridge will provide four travel lanes along with bicycle lanes and sidewalks on each side. The intersection of Duportail Street and SR240 will be improved with additional lanes and an improved at-grade railroad crossing. Project benefits include better connectivity between core Richland and south Richland for vehicles, bicyclists and pedestrians, improved traffic safety, and improved emergency response. The project will also facilitate replacing a vulnerable water pipeline currently located in the riverbed and subject to flood damage. The project will make improvements to the Yakima River riparian zone by replanting disturbed areas and improving trail conditions. The project will be constructed in two construction contracts, Phase 1 and Phase 2. Phase 1 is underway; Phase 2 is scheduled to begin in the second half of 2019.

PROJECT ASSUMPTIONS

Partial funding for Phase 2 is anticipated from a Washington State Connecting Washington project on SR240. This Connecting Washington Funding is expected to be available beginning in the middle of 2019. If this funding is compromised additional funding will be required, most likely from the City's Transportation Benefit District. Design approval by WSDOT is needed for Phase 2.

BENEFITS

This project is critical to many elements of the City's long term vision. The improved connectivity of the street network provided by this project will enhance economic development, emergency response and preparedness, water supply reliability, travel safety, and quality of life as it relates to bicycle and pedestrian connectivity and protection and access to the Yakima River riparian area.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN & ENVIRONMENTAL REVIEW	4,574,789	4,574,789							
RIGHT OF WAY ACQUISITION	1,698,598	1,698,598							
CONSTRUCTION	26,500,000	8,890,795	13,709,205	3,900,000					
10% CONTINGENCY	1,992,020	1,742	1,600,278	390,000					
CONSTRUCTION MANAGEMENT	2,646,154	102,074	2,137,926	406,154					
GRANT APPLICATION PREPARATION	50,000	50,000							
TOTAL	\$ 37,461,561	\$ 15,317,998	\$ 17,447,409	\$ 4,696,154	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
STP - URBAN GRANT	524,990	524,990							
RE EXCISE TAX 2ND 1/4%	97,000	97,000							
STREET FUND - FUEL TAX	208,189	208,189							
PUBLIC WORKS TRUST FUND LOAN	750,000	750,000							
GENERAL FUND (IN LIEU OF PWTF DEBT SVC)	257,892	257,892							
FEDERAL APPROPRIATION (2013 BUDGET)	325,383	325,383							
LTGO 98 FUND	300,000	300,000							
2013 BFCOG STP FUNDING DIST.	1,048,107	1,048,107							
WASHINGTON STATE GRANT	20,000,000	4,217,974	12,706,135	3,075,891					
WSDOT SR 240 PROJECT FUNDS (UNSECURED)	2,500,000		1,250,000	1,250,000					
2017 BFCOG STP FUNDING DISTRIBUTION	789,449	748,361	41,088						
TRANSPORTATION IMP BOARD GRANT	9,000,000	5,219,345	3,410,392	370,263					
INTERFUND LOAN (WATER) TBD	1,660,551	1,620,757	39,794	-	-				
TOTAL	\$ 37,461,561	\$ 15,317,998	\$ 17,447,409	\$ 4,696,154	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
INTERFUND LOAN DEBT SERVICE (TBD)	-	45,599	355,000	355,000	355,000	355,000	419,356	-	
TOTAL	\$ 1,884,955	45,599	355,000	\$ 355,000	\$355,000	\$355,000	\$419,356	\$ -	\$ -

Duportail Driveway Intersection Improvement

Type of Project

Transportation

Partnership Project?

NO

Project #

TR190001

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Duportail Driveway Intersection Improvement

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Duportail Street and Driveway intersection

PROJECT TIMELINE:

2024

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project will make an intersection improvement at an existing driveway location.

PROJECT ASSUMPTIONS

The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

BENEFITS

The project will improve intersection and corridor safety.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	50,000							50,000	
CONSTRUCTION	450,000							450,000	
TOTAL	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RMC 12.03 TRAFFIC IMPACT FEES	500,000					-		500,000	
	-								
	-								
	-								
TOTAL	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Gage Boulevard Extension

Type of Project Transportation	Partnership Project? NO	Project # TR180020
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Gage Boulevard Extension		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Gage Blvd. from Morency Drive to Queensgate Blvd.		
PROJECT TIMELINE: 2023-2024		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

This project will construct a 3-lane street with curb, gutter, sidewalk, bike lanes, street lights and drainage facilities that aligns with Gage Boulevard, from Morency Drive to Queensgate Boulevard.

PROJECT ASSUMPTIONS

The project will be completed as development progresses, most likely by development projects. The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

BENEFITS

The project will provide desirable travel facilities in the south Richland area and serve nearby development's travel needs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	192,420						192,420		
CONSTRUCTION MANAGEMENT	45,000							45,000	
CONSTRUCTION	707,391							707,391	
10% CONTINGENCY	70,739							70,739	
OTHER ENG. SRCES (ROW ACQUISITION)	983,710						983,710		
TOTAL	\$ 1,999,260	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,176,130	\$ 823,130	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	1,999,260						1,176,130	823,130	
	-								
	-								
	-								
TOTAL	\$ 1,999,260	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,176,130	\$ 823,130	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Gage Boulevard Improvements

Type of Project Transportation	Partnership Project? NO	Waterfront Project? NO	Project # TR150023
Core Focus Area 3	Strategic Leadership Plan Project? No		
PROJECT NAME: Gage Boulevard Improvements			
PROJECT ADMINISTRATION: Public Works Administration and Engineering			
PROJECT LOCATION: Gage Blvd. from Penny Royal to Morency Drive			
PROJECT TIMELINE: 2023-2024			
RESPONSE TO *GMA LEVEL OF SERVICE? NO			

PROJECT DESCRIPTION

This project is intended to improve an existing segment of Gage Boulevard with features to safely accommodate non-motorized travel. Add bike lanes, shoulders, sidewalks, street lights, and storm drainage on Gage Boulevard.

PROJECT ASSUMPTIONS

The project is dependent on acquisition of grant funding and prioritization by City Council.

BENEFITS

Improve travel safety, stormwater control, and bicycle and pedestrian connectivity.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	120,000						120,000		
CONSTRUCTION MANAGEMENT	85,000							85,000	
CONSTRUCTION	1,300,000							1,300,000	
10% CONTINGENCY	130,000							130,000	
OTHER ENG. SRCES (ROW ACQUISITION)	50,000						50,000		
	-								
TOTAL	\$ 1,685,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 170,000	\$ 1,515,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
BFCOG AWARD STP-UL (UNSECURED)	1,457,525			-	-		147,050	1,310,475	
RE EXCISE TAX 1ST 1/4%	227,475			-	-		22,950	204,525	
	-								
	-								
TOTAL	\$ 1,685,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 170,000	\$ 1,515,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Island View to Vista Field Trail

Type of Project

Transportation

Partnership Project?

YES

Project #

TR180006

Core Focus Area

3

Strategic Leadership Plan Project?

No

PROJECT NAME:

Island View to Vista Field Trail

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Island View to Vista Field Trail, Georgia Avenue and Tapteal to Columbia Park Trail.

PROJECT TIMELINE:

2020-2025

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

The project will provide non-motorized connectivity between a large area of west Kennewick and south Richland to the Island View waterfront area. In particular the project will provide a bicycle and pedestrian crossing of SR240, a significant existing barrier to non-motorized travel. The project will construct a grade separated pathway across SR 240 with continued pathway connecting into existing and proposed sidewalks on either end.

PROJECT ASSUMPTIONS

The project will depend on negotiation of a partnering interlocal agreement with the City of Kennewick. Other potential partners could include the Port of Kennewick, Ben Franklin Transit, and the Washington State Department of Transportation. The project will require grant funding, potentially from the Benton Franklin Council of Governments and the Washington State Department of Transportation. Design approval will also be required from WSDOT for the elements of the project located in WSDOT right of way.

BENEFITS

The project will make a substantial regional impact to improve non-motorized travel connectivity.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	767,940			100,000			667,940		
CONSTRUCTION	4,377,500							164,800	4,377,500
OTHER ENG. SRCES (ROW ACQUISITION)	164,800								
TOTAL	\$ 5,310,240	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ 667,940	\$ 164,800	\$ 4,377,500
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
BF-COG TAP (UNSECURED)	100,000			100,000					
UNFUNDED	5,210,240						667,940	164,800	4,377,500
	-								
	-								
TOTAL	\$ 5,310,240	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ 667,940	\$ 164,800	\$ 4,377,500
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Kingsgate Corridor Improvements

Type of Project

Transportation

Partnership Project?

YES

Project #

TR180021

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Kingsgate Corridor Improvements

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Kingsgate Way, Kennedy Road to SR 240

PROJECT TIMELINE:

2024-2025

RESPONSE TO *GMA LEVEL OF SERVICE?

YES

PROJECT DESCRIPTION

The project is one of several projects planned to reduce north-south congestion. The project will construct a new 2-lane street and bridge over the Yakima River connecting to SR240 at the north end and Keene at the south end. The project will have curb, gutter, sidewalk, non-motorized travel features, street lights and storm drainage facilities.

PROJECT ASSUMPTIONS

The project will require prioritization by City Council. The project could be a partnership project with the City of West Richland. The project will require acquisition of right of way and a complex environmental review. The project will also require substantial grant funding.

BENEFITS

The project will reduce congestion and provide improved local street connectivity for motorized and non-motorized travel.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	9,931,260							9,931,260	
CONSTRUCTION	47,444,500								47,444,500
OTHER ENG. SRCS (ROW ACQUISITION)	8,832,650							8,832,650	
TOTAL	\$66,208,410	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$18,763,910	\$47,444,500
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	66,208,410						-	18,763,910	47,444,500
	-								
	-								
	-								
TOTAL	\$66,208,410	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$18,763,910	\$47,444,500
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Pavement Preservation Program

Type of Project Transportation	Partnership Project? NO	Project # TR130003
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Pavement Preservation Program		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: City-wide		
PROJECT TIMELINE: Ongoing		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The program invests to preserve and extend the life of the City's paved streets. The program completes street resurfacing using techniques selected to achieve the lowest life-cycle costs while maintaining street conditions at the selected standard. The City Council selected a standard Pavement Condition Index of 75 for arterial streets, 70 for collector streets, and 60 for local streets. The program completes drainage improvements where they are needed to preserve pavement condition and also completes pedestrian access facilities required by federal regulations. Projects are selected based on analysis of a City-wide pavement condition asset management model.

PROJECT ASSUMPTIONS

This project is partially funded by an allocation from the General Fund, which is subject to competing demands. City Council created the Richland Transportation Benefit District (TBD) in 2017 to increase funding to this program. Even with this new funding the current level of funding has been shown to be inadequate to sustain the street infrastructure at the selected standard. The program assumes retention of the current General Fund amount, the infusion of new revenue from the TBD, and possibly a future increase in funding from a yet to be determined source. Allocation of a portion of TBD funding to Duportail Bridge debt service began in 2019 and will end in 2023. The timeline for full program funding is uncertain. This program is implemented partially by City forces, which were supplemented in 2018 with one full-time position.

BENEFITS

This program preserves a vital element of the City's infrastructure, valued at more than \$200 million.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	20,294,805	1,533,302	1,319,913	1,751,846	2,985,652	2,991,070	2,996,471	3,356,852	3,359,699
	-								
TOTAL	\$ 20,294,805	\$ 1,533,302	\$ 1,319,913	\$ 1,751,846	\$ 2,985,652	\$ 2,991,070	\$ 2,996,471	\$ 3,356,852	\$ 3,359,699
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
GENERAL FUND	7,146,372	911,802	654,570	930,000	930,000	930,000	930,000	930,000	930,000
RE EXCISE TAX 1ST 1/4%	-	-	-	-	-	-	-	-	-
RE EXCISE TAX 2ND 1/4%	2,400,000	275,000	325,000	300,000	300,000	300,000	300,000	300,000	300,000
TRANSPORTATION BENEFIT DISTRICT	4,491,468	346,500	340,343	521,846	532,283	542,929	553,787	824,081	829,699
UNFUNDED	6,256,965	-	-	-	1,223,369	1,218,141	1,212,684	1,302,771	1,300,000
TOTAL	\$ 20,294,805	\$ 1,533,302	\$ 1,319,913	\$ 1,751,846	\$ 2,985,652	\$ 2,991,070	\$ 2,996,471	\$ 3,356,852	\$ 3,359,699
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Queensgate Drive - Phase 1

Type of Project

Transportation

Partnership Project?

NO

Project #

TR140018

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Queensgate Drive - Phase 1

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Queensgate Drive from Shockley Road to Keene Road

PROJECT TIMELINE:

2023 - 2024

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project will complete a segment of the south Richland Collector Street system and thus improve connectivity to development occurring to the south of Keene Road. The project will construct a 3-lane street with curb, gutter, sidewalk, street lights and storm drainage facilities on both sides. It will also modify the Keene Road / Queensgate Drive traffic signal to accommodate the new south leg of Queensgate Drive.

PROJECT ASSUMPTIONS

According to the south Richland collector street program the preferred method of implementing the project would be for the property owner to complete the project as part of a development project. The City will complete the project only if it appears there is no action by the property owner to do so, if this project is determined to be the highest priority improvement within the South Richland Collector Street program, and if adequate funding has accumulated.

BENEFITS

This project will provide another collector street link for the growing area south of Keene Road. As such, it will help distribute trips more efficiently.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	77,020						77,020		
CONSTRUCTION MANAGEMENT	-							256,730	
CONSTRUCTION	256,730								
10% CONTINGENCY	-								
OTHER ENG. SRCES (ROW ACQUISITION)	575,760						575,760		
OTHER ENG. SRCES (STUDY)	51,150	51,150							
TOTAL	\$ 960,660	\$ 51,150	\$ -	\$ -	\$ -	\$ -	\$ 652,780	\$ 256,730	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
TRAFFIC IMPACT FEES	960,660	51,150					652,780	256,730	
	-								
	-								
	-								
	-								
TOTAL	\$ 960,660	\$ 51,150	\$ -	\$ -	\$ -	\$ -	\$ 652,780	\$ 256,730	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Queensgate Drive - Phase 2

Type of Project Transportation	Partnership Project? NO	Waterfront Project? NO	Project # TR150025
Core Focus Area 2	Strategic Leadership Plan Project? No		
PROJECT NAME: Queensgate Drive - Phase 2			
PROJECT ADMINISTRATION: Public Works Administration and Engineering			
PROJECT LOCATION: Queensgate Drive from Legacy Lane to City Limit			
PROJECT TIMELINE: 2024 - 2025			
RESPONSE TO *GMA LEVEL OF SERVICE? NO			

PROJECT DESCRIPTION

This project will complete a segment of the south Richland Collector Street system and thus improve connectivity to development occurring in the South Badger development area. Construct a new 2-lane collector with curb, gutter, sidewalk, bike lanes, street lights and storm drainage facilities on both sides.

PROJECT ASSUMPTIONS

The project is anticipated to be constructed by development.

BENEFITS

Improved connectivity for vehicles, pedestrians, and bicycles.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	102,270							102,270	
CONSTRUCTION	440,160								440,160
OTHER ENG. SRCES (ROW ACQUISITION)	549,590							549,590	
	-								
TOTAL	\$ 1,092,020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 651,860	\$ 440,160
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	1,092,020					-	-	651,860	440,160
	-								
	-								
	-								
TOTAL	\$ 1,092,020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 651,860	\$ 440,160
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Road B-C

Type of Project Transportation	Partnership Project? NO	Project # TR180019
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Road B-C		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Road B-C from Corvina Street to Queensgate Drive		
PROJECT TIMELINE: 2024-2025		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The project will be completed as development progresses, most likely by development projects. It will construct a new 2-lane street with curb, gutter, sidewalk, bike lanes, street lights and storm drainage facilities. The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

PROJECT ASSUMPTIONS

The project will be completed as development progresses, most likely by development projects. The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

BENEFITS

The project will provide desirable travel facilities within the Badger South area and serve nearby development's travel needs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	162,650							162,650	
CONSTRUCTION MANAGEMENT	25,000								25,000
CONSTRUCTION	470,164								470,164
10% CONTINGENCY	47,016								47,016
OTHER ENG. SRCES (ROW ACQUISITION)	1,215,900							1,215,900	
TOTAL	\$ 1,920,730	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,378,550	\$ 542,180
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	1,920,730						-	1,378,550	542,180
	-								
	-								
	-								
TOTAL	\$ 1,920,730	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,378,550	\$ 542,180
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Road B-C / Trowbridge Intersection Improvements

Type of Project Transportation	Partnership Project? NO	Project # TR180018
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Road B-C / Trowbridge Intersection Improvements		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Intersection as planned roads B-C and Trowbridge Blvd.		
PROJECT TIMELINE: 2024-2025		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Reconstruct the intersection for additional capacity.

PROJECT ASSUMPTIONS

The project will be completed as development progresses, most likely by development projects. The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

BENEFITS

The project will provide desirable travel facilities within the Badger South area and serve nearby development's travel needs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	65,000							65,000	
CONSTRUCTION MANAGEMENT	25,000								25,000
CONSTRUCTION	372,727								372,727
10% CONTINGENCY	37,273								37,273
TOTAL	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000	\$ 435,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	500,000							65,000	435,000
	-								
	-								
	-								
TOTAL	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000	\$ 435,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Shockley Road Extension

Type of Project Transportation	Partnership Project? NO	Project # TR180009
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Shockley Road Extension		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Shockley Road from Keene Road to South of Badger Valley Way		
PROJECT TIMELINE: 2024-2025		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The project will provide planned traffic circulation capacity in the South Richland area. Construct a new 2 lane street with curb, gutter, sidewalk, bike lanes, street lights and storm drainage facilities.

PROJECT ASSUMPTIONS

The project will be completed as development progresses, most likely by development projects. The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

BENEFITS

Improve connectivity for vehicles, pedestrians and bicyclists.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	49,780							49,780	
CONSTRUCTION	270,000								270,000
OTHER ENG. SRCES (ROW ACQUISITION)	283,817							283,817	
TOTAL	\$ 603,597	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 333,597	\$ 270,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	603,597						-	333,597	270,000
	-								
	-								
	-								
TOTAL	\$ 603,597	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 333,597	\$ 270,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

South GWW Intersection Improvements

Type of Project

Transportation

Partnership Project?

NO

Project #

TR130011

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

South GWW Intersection Improvements

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

George Washington Way from I-182 to Comstock

PROJECT TIMELINE:

2013 - 2023

RESPONSE TO *GMA LEVEL OF SERVICE?

YES

PROJECT DESCRIPTION

This project is one of several projects intended to reduce congestion and improve travel efficiency in the north and south directions through core Richland. The project will upgrade and reconfigure the intersection of George Washington Way (GWW) with Columbia Point Drive and Adams Street to improve safety, capacity and mobility. Also includes modifying the westbound I-182, northbound SR-240 and southbound SR-240 ramps to improve safety.

PROJECT ASSUMPTIONS

The project is in the planning stage, with further Council deliberations required to settle on prioritization of this project and a preferred design concept. The 2019 North-South Travel Capacity Study will provide input to Council on this project in late 2019 or early 2020. The project, if advanced, will require substantial grant funding that is at present unsecured. The project will require acquisition of private property rights for street right of way. The project will also require formal approval by WSDOT after selection and further refinement of the selected design concept. The project assumes that a complimentary pedestrian access improvement project will be advanced to improve pedestrian comfort and safety crossing George Washington Way.

BENEFITS

This project will improve safety, capacity and mobility along this high volume portion of George Washington Way. Since this is the most congested and most highly travelled street in Richland, and because it connects to the downtown and waterfront development areas this project will make a major and strategic contribution to the success of the City's future.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	808,485	108,485		300,000		400,000			
CONSTRUCTION MANAGEMENT	150,000						150,000		
CONSTRUCTION	5,880,700						5,880,700		
10% CONTINGENCY	588,070						588,070		
OTHER ENG. SRCES (ROW ACQUISITION)	550,000				300,000	250,000			
	-								
TOTAL	\$ 7,977,255	\$ 108,485	\$ -	\$ 300,000	\$ 300,000	\$ 650,000	\$ 6,618,770	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
HSIP FUNDS (SECURED)	32,436	32,436							
STP-UL FUNDS (SECURED)	48,143	48,143							
RE EXCISE TAX 1ST 1/4%	368,906	27,906		40,500	40,500	260,000			
RE EXCISE TAX 2ND 1/4%	661,877						661,877		
TIB GRANT (UNSECURED)	3,699,385					390,000	3,309,385		
BFCOG STP-UL AWARD (UNSECURED)	1,842,754			259,500	259,500		1,323,754		
BENTON CO RURAL CAPITAL FUNDS	1,323,754						1,323,754		
	-								
TOTAL	\$ 7,977,255	\$ 108,485	\$ -	\$ 300,000	\$ 300,000	\$ 650,000	\$ 6,618,770	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

South GWW Pedestrian Access & Safety Improvement

Type of Project Transportation	Partnership Project? NO	Project # TR160004
Core Focus Area 3	Strategic Leadership Plan Project? No	
PROJECT NAME: South GWW Pedestrian Access & Safety Improvement		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Aaron Drive to Columbia Point Drive		
PROJECT TIMELINE: 2022 - 2023		
RESPONSE TO *GMA LEVEL OF SERVICE? YES		

PROJECT DESCRIPTION

The project will compliment the South George Washington Way Intersection Improvements by constructing a grade-separated pedestrian crossing at George Washington Way. A public outreach process indicated that the public was uncomfortable with a pedestrian underpass at this location, primarily because of safety concerns with a long below ground crossing. Conceptual designs of pedestrian overpasses have been developed, but not vetted by Council. If adopted by Council the project would construct a pedestrian overpass south of the intersection of George Washington Way and Aaron Drive connecting the residential neighborhoods on the west side of George Washington Way to the shopping center and Waterfront district. The project could be leveraged to design a distinctive entry feature into the Waterfront District.

PROJECT ASSUMPTIONS

The project requires further evaluation and vetting by the City Council. If prioritized by Council the project will require substantial grant funding that is at present unsecured. The project will also require formal approval by WSDOT as portions of the overpass will occupy WSDOT right of way. The project design will only be finalized after careful design review, especially over the entry feature treatments.

BENEFITS

This project will improve safety and connectivity for many residents who live within walking distance of the WinCo-anchored shopping center and Columbia Point amenities, but who are inhibited from accessing them by traffic on George Washington Way. This project will also contribute to improved vehicle flow on George Washington Way by reducing the impact of pedestrians on traffic signal timing.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	212,180					212,180			
CONSTRUCTION MANAGEMENT	75,000						75,000		
CONSTRUCTION	2,246,518						2,246,518		
10% CONTINGENCY	224,652						224,652		
OTHER ENG. SRCS (ROW ACQUISITION)	-								
	-								
TOTAL	\$ 2,758,350	\$ -	\$ -	\$ -	\$ -	\$ 212,180	\$ 2,546,170	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/17	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
BENTON CO RURAL DEVLPMT FUNDS (UNSECURED)	509,234						509,234		
RE EXCISE TAX 1ST 1/4%	360,707					106,090	254,617		
WSDOT BIKE/PED GRANT (UNSECURED)	763,851						763,851		
BFCOG TAP AWARD (UNSECURED)						106,090	763,851		
TIB GRANT (UNSECURED)	254,617						254,617		
	-								
TOTAL	\$ 2,758,350	\$ -	\$ -	\$ -	\$ -	\$ 212,180	\$ 2,546,170	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

South Richland Collector Streets

Type of Project Transportation	Partnership Project? YES	Project # TR160005
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: South Richland Collector Streets		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: New development locations in South Richland listed in RMC 12.03.190		
PROJECT TIMELINE: Ongoing		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

This budget is established to support reimbursement to developers for constructed elements of the South Richland Collector Street system. Funds are accessed only after Council authorization of a latecomer agreement. The program processes reimbursements, through latecomer agreements, for developer-constructed improvements listed in Richland Municipal Code section 12.03.190. There are currently 4 outstanding latecomer agreements receiving quarterly payments of traffic impact fee revenue: Dream Builders (5%), Anderson Heights (6%), Westcliffe LLC (23.7%) and Pahlisch Homes at Westcliffe Heights (11.2%).

PROJECT ASSUMPTIONS

Reimbursement commitments in the latecomer agreements are for percentages of impact fee revenue received by the City. The amount of revenue is determined by the volume and type of private development activity in the impact fee areas, so the City does not determine revenues or reimbursement amounts. The amounts shown below are estimates based on anticipated development activity and the existing latecomer agreements.

BENEFITS

This program represents the private financing and construction of the collector street network included in the City's Comprehensive Plan. Reimbursement through latecomer agreements means the community has already received the benefit of these improvements.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
LATECOMER REIMBURSEMENTS	1,403,343	510,751	142,592	125,000	125,000	125,000	125,000	125,000	125,000
TOTAL	\$ 1,403,343	\$ 510,751	\$ 142,592	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
TRAFFIC IMPACT FEES	1,403,343	510,751	142,592	125,000	125,000	125,000	125,000	125,000	125,000
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 1,403,343	\$ 510,751	\$ 142,592	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

SR240 Flyover at Aaron

Type of Project Transportation	Partnership Project? NO	Project # TR180008
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: SR240 Flyover at Aaron		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: SR 240 from EB Ramp to I-182 EB Ramp		
PROJECT TIMELINE: 2020-2023		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

The project is one of several projects intended to reduce north-south travel congestion. The project will construct a grade separated flyover eastbound ramp from eastbound SR-240 to eastbound I-182 and reconstruct the existing SR-240 / Aaron Drive intersection.

PROJECT ASSUMPTIONS

The project will require prioritization by the City Council, approval by the Washington State Department of Transportation, and substantial grant funding.

BENEFITS

The project will reduce congestion and improve travel capacity and safety.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	1,800,000			800,000	1,000,000				
CONSTRUCTION MANAGEMENT	2,500,000					2,500,000			
CONSTRUCTION	25,000,000					25,000,000			
10% CONTINGENCY	2,500,000					2,500,000			
	-								
TOTAL	\$31,800,000	\$ -	\$ -	\$ 800,000	\$ 1,000,000	\$30,000,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
BFCOG STP-UL (UNSECURED)	692,000			692,000					-
RE EXCISE TAX 1ST 1/4%	1,146,000			56,000	100,000	990,000			
BUILD GRANT (UNSECURED)	24,800,000				800,000	24,000,000			
WSDOT GRANT (UNSECURED)	5,162,000			52,000	100,000	5,010,000			
	-								
TOTAL	\$31,800,000	\$ -	\$ -	\$ 800,000	\$ 1,000,000	\$30,000,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Step toe Street / Tap teal Drive Intersection Improvements

Type of Project

Transportation

Partnership Project?

YES

Project #

TR140017

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Step toe Street / Tap teal Drive Intersection Improvements

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Step toe Street & Tap teal Drive intersection, from the CID canal to Canyon Street

PROJECT TIMELINE:

2018 - 2021

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project is intended to improve travel capacity and safety to facilitate highest and best use development of the adjacent commercially zoned property while preserving the important travel capacity of Step toe Street, which functions as an important regional arterial street. The project will realign Tap teal Drive and Step toe Street intersection by constructing a new signalized intersection. Also includes sidewalks, streetlights, a fully signalized and gated at-grade railroad crossing and storm drainage facilities.

PROJECT ASSUMPTIONS

This project will advance as the demand for commercial development in the Tap teal Business Park dictates, which at present is high. The 2016 pre-design study concluded with a design concept supported by the Cities of Richland and Kennewick, the Port of Benton, and all three operating railroads. The selected improvement will require a crossing modification order from the Washington Utilities and Transportation Commission and acquisition of easement rights from the Port of Benton and Tri-City Railroad. Construction funding is at yet unsecured, but could come from a combination of grant funds and private development funds. A water distribution system enhancement, the Island View Supply Redundancy Project, will be coordinated to occur when this project is constructed.

BENEFITS

The project would enhance transportation efficiency to the Tap teal Business Park, facilitating highest and best use development of this property. Such development would improve the City's financial standing by increasing revenues generated by business.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
PRE-DESIGN STUDY	40,000	40,000							
DESIGN	175,000	-	175,000						
CONSTRUCTION MANAGEMENT	25,000				25,000				
CONSTRUCTION	1,260,000				1,260,000				
10% CONTINGENCY	126,000				126,000				
OTHER ENG. SRCES (ROW ACQUISITION)	20,000			20,000					
	-								
TOTAL	\$ 1,646,000	\$ 40,000	\$ 175,000	\$ 20,000	\$ 1,411,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
PRIVATE PARTNER	40,000	40,000							
RE EXCISE TAX 2ND 1/4%	195,000	-	175,000	20,000					
UNFUNDED	1,411,000	-			1,411,000				
	-								
TOTAL	\$ 1,646,000	\$ 40,000	\$ 175,000	\$ 20,000	\$ 1,411,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Stevens Drive Pathway

Type of Project Transportation	Partnership Project? NO	Waterfront Project? NO	Project # TR150026
Core Focus Area 3	Strategic Leadership Plan Project? No		
PROJECT NAME: Stevens Drive Pathway			
PROJECT ADMINISTRATION: Public Works Administration and Engineering			
PROJECT LOCATION: Along Stevens Drive from Spengler Street to Horn Rapids Road			
PROJECT TIMELINE: 2024 - 2025			
RESPONSE TO *GMA LEVEL OF SERVICE? NO			

PROJECT DESCRIPTION

This project is planned to improve non-motorized travel connectivity in the north Richland area. Construct a separated multi-use pathway on east side of Stevens Drive from Spengler Street to Horn Rapids Road.

PROJECT ASSUMPTIONS

The project will most likely depend on grant funds and prioritization by the City Council.

BENEFITS

Improved bicycle and pedestrian connectivity to major employment center in north Richland.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	74,260							74,260	
CONSTRUCTION MANAGEMENT	35,000								35,000
CONSTRUCTION	816,900								816,900
10% CONTINGENCY	81,690								81,690
	-								
TOTAL	\$ 1,007,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 74,260	\$ 933,590
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	1,007,850							74,260	933,590
	-								
	-								
	-								
	-								
TOTAL	\$ 1,007,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 74,260	\$ 933,590
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Swift Blvd / SR-2490 Intersection Improvements

Type of Project

Transportation

Partnership Project?

YES

Project #

TR190005

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Swift Blvd / SR-2490 Intersection Improvements

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Swift Blvd. and SR-240 intersection, from SR-240 to Cottonwood

PROJECT TIMELINE:

2020

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project will improve the City street approach to this intersection with SR240. The current condition includes a gap in sidewalk connectivity. The project will eliminate this gap by adding curb, gutter, sidewalks. The project will also widen the approach to SR240 to allow for better lane selection and throughput at the intersection when the Swift approach is enabled by the traffic signal. It will also re-stripe the existing pavement to add additional signal que storage.

PROJECT ASSUMPTIONS

WSDOT will require an update to their intersection plan.

BENEFITS

The project will make the intersection perform more efficiently by providing added storage capacity. It will also improve pedestrian accessibility and safety.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	18,500	-			18,500				
CONSTRUCTION MANAGEMENT	13,000				13,000				
CONSTRUCTION	185,000				185,000				
10% CONTINGENCY	18,500				18,500				
OTHER ENG. SRCES (ROW ACQUISITION)	-								
	-								
TOTAL	\$ 235,000	\$ -	\$ -	\$ -	\$ 235,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RE EXCISE TAX 2ND 1/4% CDBG	117,500			-	117,500				
	117,500				117,500				
	-								
TOTAL	\$ 235,000	\$ -	\$ -	\$ -	\$ 235,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Traffic Signal Systemic Safety Upgrades

Type of Project

Transportation

Partnership Project?

NO

Waterfront Project?

NO

Project #

TR190006

Core Focus Area

3

Strategic Leadership Plan Project?

No

PROJECT NAME:

Traffic Signal Systemic Safety Upgrades

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

City Wide

PROJECT TIMELINE:

2020

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project will upgrade traffic signal equipment throughout the City. The project will provide improved functionality at signals to make travel movements more efficient and more safe through a combination of enhance visibility and enhanced electronic controls.

PROJECT ASSUMPTIONS

The project will rely on grant funds from the Washington State Department of Transportation, which have been secured.

BENEFITS

The project will make safety improvements by installing flashing yellow arrow signalization upgrades at select intersections; upgrades to signal head size; installation of retroreflective backplates at all intersections; and pedestrian upgrades to select intersections.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	52,200		52,200						
CONSTRUCTION	522,500			522,500					
OTHER ENG. SRCS (ROW ACQUISITION)	4,000		4,000						
	-								
TOTAL	\$ 578,700	\$ -	\$ 56,200	\$ 522,500	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WSDOT GRANT - HSIP	573,100		50,600	522,500				-	-
RE EXCISE TAX 2ND 1/4%	5,600		5,600						
	-								
	-								
TOTAL	\$ 578,700	\$ -	\$ 56,200	\$ 522,500	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Trowbridge Boulevard - Ava to Rd B-C

Type of Project Transportation	Partnership Project? NO	Project # TR180011
Core Focus Area 2	Strategic Leadership Plan Project? No	
PROJECT NAME: Trowbridge Boulevard - Ava to Rd B-C		
PROJECT ADMINISTRATION: Public Works Administration and Engineering		
PROJECT LOCATION: Trowbridge Blvd. from Ava Way to future road B and C		
PROJECT TIMELINE: 2023-2025		
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Construct a new 2 lane street with curb, gutter, sidewalk, bike lanes, street lights and storm drainage facilities.

PROJECT ASSUMPTIONS

The project will be completed as development progresses, most likely by development projects. The project is part of the City's traffic impact fee program under RMC 12.03 and thus will be funded through that program.

BENEFITS

The project will provide desirable travel facilities within the Badger South area and serve nearby development's travel needs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	422,860						422,860		
CONSTRUCTION	1,409,540							1,409,540	
OTHER ENG. SRCS (ROW ACQUISITION)	1,480,610						1,480,610		
TOTAL	\$ 3,313,010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,903,470	\$ 1,409,540	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNFUNDED	3,313,010						1,903,470	1,409,540	-
	-								
	-								
	-								
TOTAL	\$ 3,313,010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,903,470	\$ 1,409,540	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Van Giesen / SR-240 Intersection Improvements

Type of Project

Transportation

Partnership Project?

NO

Project #

TR190007

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Van Giesen / SR-240 Intersection Improvements

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Van Giesen Street & SR-240 intersection to Birch Avenue

PROJECT TIMELINE:

2020

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project will re-stripe existing pavement to add additional lane storage and will realign the existing pathway to the signalized intersection.

PROJECT ASSUMPTIONS

WSDOT will require an update to their intersection plan.

BENEFITS

The project will improve intersection efficiency and will improve pedestrian safety.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	6,000			6,000					
CONSTRUCTION MANAGEMENT	3,000			3,000					
CONSTRUCTION	60,000			60,000					
10% CONTINGENCY	6,000			6,000					
TOTAL	\$ 75,000	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RE EXCISE TAX 2ND 1/4%	75,000			75,000					
	-								
	-								
	-								
TOTAL	\$ 75,000	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Van Giesen / Thayer Intersection Improvements

Type of Project

Transportation

Partnership Project?

NO

Project #

TR180001

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Van Giesen / Thayer Intersection Improvements

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Van Giesen Street & Thayer Drive intersection

PROJECT TIMELINE:

2019-2021

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project will improve travel safety at an intersection that has a history of crashes at a higher rate than other similar intersections. The project will reconstruct the intersection of Van Giesen Street and Thayer Drive as a single lane roundabout.

PROJECT ASSUMPTIONS

The project will rely on grant funds from the Washington State Department of Transportation, which have been secured.

BENEFITS

Constructing a roundabout at this location will reduce the number and severity of crashes, thus improving travel safety.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	48,400		48,400						
CONSTRUCTION MANAGEMENT	15,000				15,000				
CONSTRUCTION	660,182				660,182				
10% CONTINGENCY	66,018				66,018				
OTHER ENG. SRCS (ROW ACQUISITION)	12,300		12,300						
TOTAL	\$ 801,900	\$ -	\$ 60,700	\$ -	\$ 741,200	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WSDOT HSIP GRANT (UNSECURED)	795,900		54,700		741,200				
RE EXCISE TAX 2ND 1/4%	6,000		6,000						
	-								
	-								
TOTAL	\$ 801,900	\$ -	\$ 60,700	\$ -	\$ 741,200	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Vantage Highway Pathway - Phase 2

Type of Project

Transportation

Partnership Project?

NO

Project #

TR140020

Core Focus Area

3

Strategic Leadership Plan Project?

No

PROJECT NAME:

Vantage Highway Pathway - Phase 2

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

From the intersection of SR240 and Robertson Drive to Stevens Drive along the Saint Street right of way.

PROJECT TIMELINE:

2020 - 2021

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project is planned to improve non-motorized travel connectivity in the north Richland area. The project will construct a 12' asphalt multi-use pathway on the north side of SR-240, connecting the Vantage Highway Pathway Phase 1 with Stevens Drive Pathway by using the Saint Street right of way. This will involve an undercrossing of the Port of Benton railroad tracks.

PROJECT ASSUMPTIONS

The project will require acquisition of grant funds, most likely from the Washington State Department of Transportation or the Benton Franklin Council of Governments. The project will cross the Port of Benton railroad tracks and, thus, require agreement from the Port and Tri-City Railroad for the crossing, which is anticipated to be grade-separated.

BENEFITS

This project will provide improved connectivity and safety for bicycle users and pedestrians.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	90,000			90,000					
CONSTRUCTION MANAGEMENT	60,000				60,000				
CONSTRUCTION	1,040,000				1,040,000				
10% CONTINGENCY	104,000				104,000				
OTHER ENG. SRCES (ROW ACQUISITION)	30,000			30,000					
	-								
TOTAL	\$ 1,324,000	\$ -	\$ -	\$ 120,000	\$ 1,204,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WSDOT GRANT - TAP UL (UNSECURED)	993,000			90,000	903,000				
WSDOT CONNECTING WASHINGTON FUND	331,000			30,000	301,000				
	-								
	-								
	-								
TOTAL	\$ 1,324,000	\$ -	\$ -	\$ 120,000	\$ 1,204,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Vantage Highway Pathway - Phase 3

Type of Project

Transportation

Partnership Project?

NO

Waterfront Project?

NO

Project #

TR150027

Core Focus Area

3

Strategic Leadership Plan Project?

No

PROJECT NAME:

Vantage Highway Pathway - Phase 3

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Along SR 240 - from Twin Bridges Road to Kingsgate Way

PROJECT TIMELINE:

2024 - 2025

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project is planned to improve non-motorized travel connectivity in the north Richland area. Construct a 12' asphalt multi-use pathway on the north side of SR-240.

PROJECT ASSUMPTIONS

The project will require acquisition of grant funds, most likely from the Washington State Transportation Improvement Board, the Washington State Department of Transportation, or the Benton Franklin Council of Governments.

BENEFITS

This project will provide improved connectivity and safety for bicycle users and pedestrians.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	54,590							54,590	
CONSTRUCTION MANAGEMENT	20,000								20,000
CONSTRUCTION	527,718								527,718
10% CONTINGENCY	52,772								52,772
OTHER ENG. SRCS	-								
	-								
TOTAL	\$ 655,080	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,590	\$ 600,490
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WSDOT GRANT - TAP UL (UNSECURED)	655,080							54,590	600,490
	-								
	-								
	-								
TOTAL	\$ 655,080	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,590	\$ 600,490
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Wright / Swift Intersection Improvements

Type of Project

Transportation

Partnership Project?

NO

Waterfront Project?

NO

Project #

TR190008

Core Focus Area

3

Strategic Leadership Plan Project?

No

PROJECT NAME:

Wright / Swift Intersection Improvements

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Intersection of Wright Avenue and Swift Boulevard

PROJECT TIMELINE:

2020-2021

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

Reconstruct the intersection of Wright and Swift as a single lane roundabout.

PROJECT ASSUMPTIONS

The project is dependent on acquisition of grant funding and prioritization by City Council.

BENEFITS

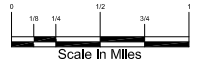
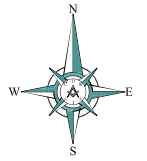
Constructing a roundabout at this location will reduce the number and severity of crashes, thus improving travel safety.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	70,000						70,000		
CONSTRUCTION MANAGEMENT	50,000							50,000	
CONSTRUCTION	820,000							820,000	
10% CONTINGENCY	54,300							54,300	
OTHER ENG. SRCES (ROW ACQUISITION)	20,000						20,000		
	-								
TOTAL	\$ 1,014,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ 924,300	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
GRANT (UNSECURED)	877,370			-	-		77,850	799,520	-
RE EXCISE TAX 2ND 1/4%	136,930			-	-		12,150	124,780	
	-								
	-								
	-								
TOTAL	\$ 1,014,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ 924,300	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Wastewater

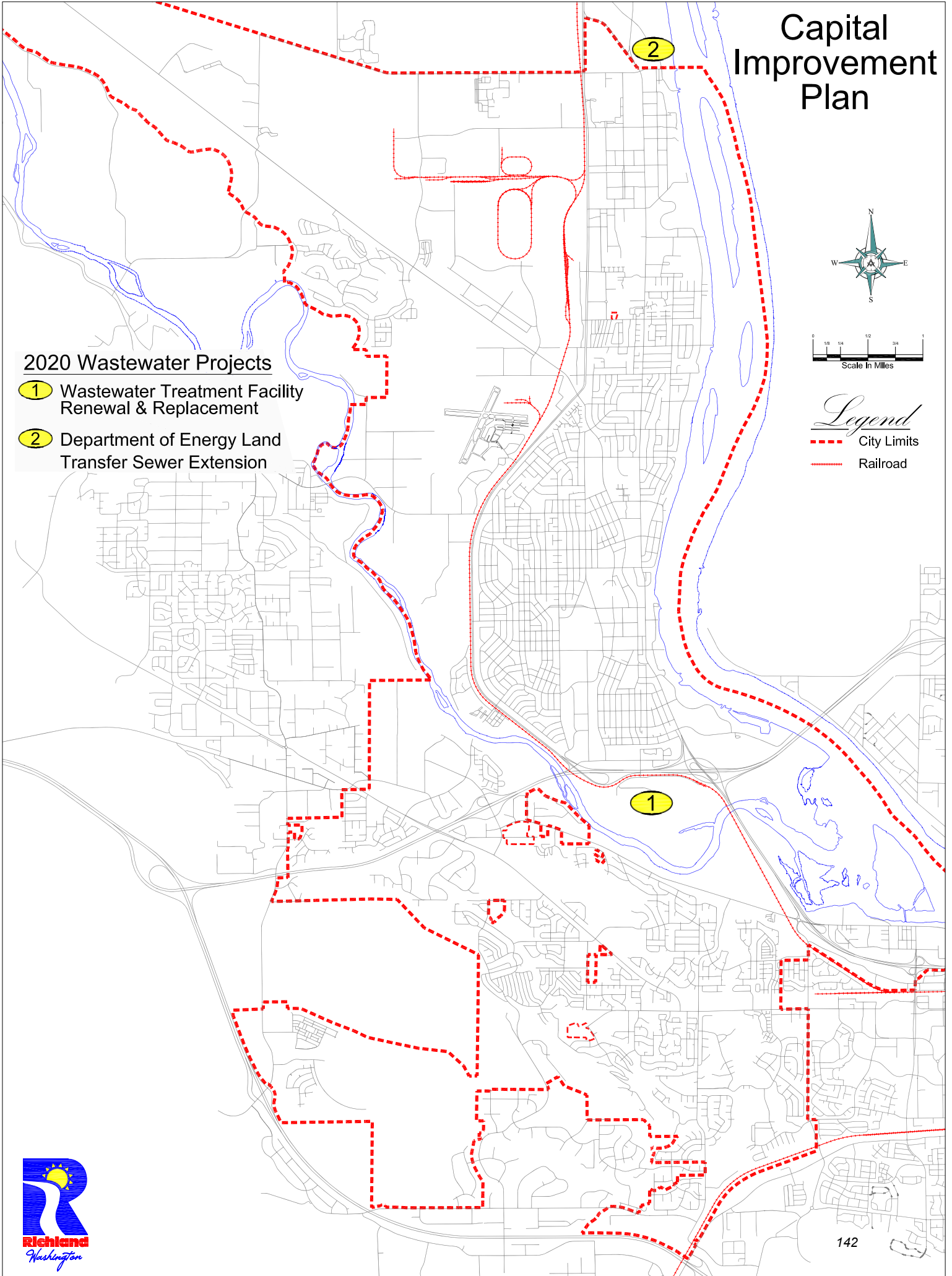
Capital Improvement Plan



Legend
--- City Limits
--- Railroad

2020 Wastewater Projects

- ① Wastewater Treatment Facility Renewal & Replacement
- ② Department of Energy Land Transfer Sewer Extension





Capital Improvement Plan

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DeptSummary

2020 thru 2025

Wastewater Projects

Department	Project #	\$ through 2018	Budget Rem. 2019	2020	2021	2022	2023	2024	2025	Total
Wastewater										
Bellerive Lift Station Pump Upgrade & Downstream Improvements	WW190003	0	0	0	0	0	0	1,900,000	0	1,900,000
Collection System Renewal & Replacement	WW130001	8,183,841	3,154,217	0	1,830,100	2,003,000	2,068,000	2,135,000	2,065,000	21,439,158
Department of Energy Land Transfer Sewer Extension	WW190001	0	0	750,000	2,650,000	0	0	0	0	3,400,000
Upper North Interceptor Improvements	WW190002	0	0	0	0	0	0	2,238,000	0	2,238,000
Wastewater Treatment Facility Renewal & Replacement	WW130006	3,800,863	991,506	3,600,000	606,000	626,000	646,000	667,000	687,000	11,624,369
Wastewater Total:		11,984,704	4,145,723	4,350,000	5,086,100	2,629,000	2,714,000	6,940,000	2,752,000	40,601,527
Wastewater										
Bonds - Prior Issue		82,523	809,532	0	0	0	0	0	0	892,055
Facility Fees		345,360	1,754,640	600,000	600,000	600,000	600,000	600,000	600,000	5,700,000
Grant-CERB		0	0	50,000	0	0	0	0	0	50,000
Industrial Development Fund		0	0	625,000	2,650,000	0	0	0	0	3,275,000
Port of Benton		0	0	75,000	0	0	0	0	0	75,000
Rate Revenue		11,556,821	1,581,551	3,000,000	1,836,100	2,029,000	2,114,000	2,202,000	2,152,000	26,471,472
Wastewater Rate Revenue		0	0	0	0	0	0	4,138,000	0	4,138,000
Wastewater Total:		11,984,704	4,145,723	4,350,000	5,086,100	2,629,000	2,714,000	6,940,000	2,752,000	40,601,527

Bellerive Lift Station Pump Upgrade & Downstream Improvements

Type of Project	Wastewater	Partnership Project?	NO	Project #	WW190003
Core Focus Area	2	Strategic Leadership Plan Project?	No		
PROJECT NAME:	Bellerive Lift Station Pump Upgrade & Downstream Improvements				
PROJECT ADMINISTRATION:	Public Works Administration and Engineering				
PROJECT LOCATION:	Bellerive and Broadmoor Streets and Leslie Road between Broadmoor Street and Canyon Street				
PROJECT TIMELINE:	2024				
RESPONSE TO *GMA LEVEL OF SERVICE?	NO				

PROJECT DESCRIPTION	
Project Name	Project Description
Project Number	Project Description
Project Manager	Project Description
Project Start Date	Project Description
Project End Date	Project Description
Project Status	Project Description
Project Budget	Project Description
Project Risk	Project Description
Project Complexity	Project Description
Project Importance	Project Description
Project Visibility	Project Description
Project Stakeholders	Project Description
Project Deliverables	Project Description
Project Milestones	Project Description
Project Risks	Project Description
Project Opportunities	Project Description
Project Challenges	Project Description
Project Success Factors	Project Description
Project Lessons Learned	Project Description
Project Best Practices	Project Description
Project Future Outlook	Project Description
Project Conclusion	Project Description

The project will expand the pumping capacity of the Bellerive Lift Station as service to upstream areas of the City demands it. The project will include expanding the pump station itself and constructing a larger pipeline to convey sewage from the pump station to an appropriate location to the north in the City's sewer collection system.

PROJECT ASSUMPTIONS	
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The project is scheduled in anticipation of land development increasing sewage flows to the Bellerive Lift Station by 2024. Land development activity may accelerate or delay the need for this improvement. The project will depend on adequate revenues in the sewer utility.

BENEFITS

The project will ensure adequate sewer capacity for land development in the far southeast section of the City.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	1,900,000							1,900,000	
	-								
TOTAL	\$ 1,900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$1,900,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WASTEWATER RATE REVENUE	1,900,000							1,900,000	
	-								
	-								
	-								
TOTAL	\$ 1,900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$1,900,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Collection System Renewal & Replacement

Type of Project
Wastewater

Partnership Project?
NO

Project #
WW130001

Core Focus Area
2

Strategic Leadership Plan Project?
No

PROJECT NAME:
Collection System Renewal & Replacement

PROJECT ADMINISTRATION:
Public Works Administration and Engineering

PROJECT LOCATION:
Throughout Richland

PROJECT TIMELINE:
Ongoing

RESPONSE TO *GMA LEVEL OF SERVICE?
NO

PROJECT DESCRIPTION

This program preserves the City's large investment in its wastewater collection system by implementing lining of structurally adequate pipe and replacement of structurally or hydraulically deficient pipe. The program includes inspection, replacement and/or repair of deteriorated sewer lines, manholes and repair and replacement of obsolete pumping stations. The 2020 work includes the installation of a backup generator at the Bradley Boulevard lift station. This program also includes spot repairs or pipe rehabilitation in streets scheduled to be included by the Pavement Preservation Program.

PROJECT ASSUMPTIONS

The program funding level is based on the recommendations of the 2016 General Sewer Plan update, which indicated the City's sewer collection system has a large inventory of pipe approaching 75 years old. The program need will be refined, validated and directed by a two-year intensive pipeline inspection and condition rating program that was initially planned to begin in 2018, but will now be begin in 2020. The delay in beginning the system inspection work has resulted in program spending lagging behind the original plan. For that reason, no new appropriations are included in 2020 as prior appropriations are adequate to support the planned work.

BENEFITS

This project will extend the useful life of the City's sewer pipelines. The program seeks to implement the least-cost rehabilitation methods, where available, to prevent deterioration of pipelines to the point that complete replacement is required.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	198,356	198,356							
CONSTRUCTION	21,240,802	7,985,485	3,154,217	-	1,830,100	2,003,000	2,068,000	2,135,000	2,065,000
	-								
TOTAL	\$ 21,439,158	\$ 8,183,841	\$ 3,154,217	\$ -	\$ 1,830,100	\$ 2,003,000	\$ 2,068,000	\$ 2,135,000	\$ 2,065,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WASTEWATER RATE REVENUE	17,747,103	8,101,318	1,044,685	-	1,530,100	1,703,000	1,768,000	1,835,000	1,765,000
WASTEWATER FACILITY FEE REVENUE	2,800,000	-	1,300,000		300,000	300,000	300,000	300,000	300,000
REVENUE BONDS	892,055	82,523	809,532						
	-								
	-								
TOTAL	\$ 21,439,158	\$ 8,183,841	\$ 3,154,217	\$ -	\$ 1,830,100	\$ 2,003,000	\$ 2,068,000	\$ 2,135,000	\$ 2,065,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2020-2025 Capital Improvement Plan

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Department of Energy Land Transfer Sewer Extension

Type of Project
Wastewater

Partnership Project?
NO

Project #
WW190001

Core Focus Area
2

Strategic Leadership Plan Project?
No

PROJECT NAME:
Department of Energy Land Transfer Sewer Extension

PROJECT ADMINISTRATION:
Public Works Administration and Engineering

PROJECT LOCATION:
Horn Rapid Industrial Park from Battelle Boulevard to Horn Rapids Road

PROJECT TIMELINE:
2021 - 2022

RESPONSE TO *GMA LEVEL OF SERVICE?
NO

PROJECT DESCRIPTION

This project will extend the City's sewer collection system to the south boundary of the Department of Energy Land Transfer Area.

PROJECT ASSUMPTIONS

The preferred pipeline alignment requires acquisition of an easement from Framatome. Additionally, the project relies on Industrial Development Fund funding capacity and prioritization.

BENEFITS

This project will contribute to the readiness of the land transfer area for development proposals.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	200,000			200,000					
CONSTRUCTION MANAGEMENT	150,000				150,000				
CONSTRUCTION	3,000,000			500,000	2,500,000				
EASEMENT ACQUISITION	50,000			50,000					
	-								
TOTAL	\$ 3,400,000	\$ -	\$ -	\$ 750,000	\$2,650,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
INDUSTRIAL DEVELOPMENT FUND	3,275,000			625,000	2,650,000				
CERB	50,000			50,000					
PORT OF BENTON	75,000			75,000					
	-								
TOTAL	\$ 3,400,000	\$ -	\$ -	\$ 750,000	\$2,650,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2020-2025 Capital Improvement Plan

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Upper North Interceptor Improvements

Type of Project
Wastewater

Partnership Project?
NO

Project #
WW190002

Core Focus Area
2

Strategic Leadership Plan Project?
No

PROJECT NAME:
Upper North Interceptor Improvements

PROJECT ADMINISTRATION:
Public Works Administration and Engineering

PROJECT LOCATION:
24-inch pipeline in various streets from McMurray and George Washington Way to University and George Washington Way

PROJECT TIMELINE:
2024

RESPONSE TO *GMA LEVEL OF SERVICE?
NO

PROJECT DESCRIPTION

The project will replace segments of sewer pipe and may include one or more sewer pump stations needed to resolve capacity constraints in the Upper North Sewer Interceptor, a major sewer pipeline serving the northeast sections of the City.

PROJECT ASSUMPTIONS

The project is scheduled for 2024 anticipating that the capacity constraints it is intended to resolve will materialize by then. System capacity in light of current uses and new development may accelerate or delay the need for this project. The project depends on adequate funding availability.

BENEFITS

This project will increase the capacity of the sewer collection system serving the section of the City that includes the Port of Benton, Pacific Northwest National Laboratory, WSU Tri-Cities and nearby properties.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	2,238,000							2,238,000	
	-								
TOTAL	\$ 2,238,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$2,238,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WASTEWATER RATE REVENUE	2,238,000							2,238,000	
	-								
	-								
	-								
TOTAL	\$ 2,238,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$2,238,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2020-2025 Capital Improvement Plan

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Wastewater Treatment Facility Renewal & Replacement

Type of Project
Wastewater

Partnership Project?
NO

Project #
WW130006

Core Focus Area
2

Strategic Leadership Plan Project?
No

PROJECT NAME:
Wastewater Treatment Facility Renewal & Replacement

PROJECT ADMINISTRATION:
Public Works Administration and Engineering

PROJECT LOCATION:
Wastewater Treatment Facility

PROJECT TIMELINE:
Ongoing

RESPONSE TO *GMA LEVEL OF SERVICE?
NO

PROJECT DESCRIPTION

This program protects the City's very large investment in its Wastewater Treatment Plant by completing timely renewal and replacement of components compromised by wear and tear. The program completes structural and mechanical rehabilitation, repair and replacement of plant facilities and equipment to eliminate downtime and ensure continued effective wastewater treatment. Where possible the work will update technology at the plant to improve energy efficiency or treatment effectiveness. 2020 work will include a retrofit of aeration basin #2 and evaluation for the potential replacement of two digester tank mixing systems.

PROJECT ASSUMPTIONS

The program relies on adequate funding from user rates and new connections. Maintenance record data and regular inspections by plant staff are utilized to prioritize ongoing repairs and replacements. A process engineering consultant, retained in 2018, has assisted in analysis of plant process effectiveness and vulnerabilities. This analysis led to prioritization of improvements to the aeration and digester processes.

BENEFITS

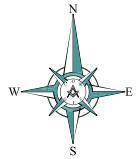
Planned repairs and equipment replacements at the 30+ year old plant will maintain overall plant reliability, retain and/or increase plant capacity and avert emergency outages and repair efforts.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	300,000			300,000					
CONSTRUCTION MANAGEMENT	250,000			250,000					
CONSTRUCTION	11,074,369	3,800,863	991,506	3,050,000	606,000	626,000	646,000	667,000	687,000
	-								
TOTAL	\$ 11,624,369	\$ 3,800,863	\$ 991,506	\$3,600,000	\$ 606,000	\$ 626,000	\$ 646,000	\$ 667,000	\$ 687,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WASTEWATER RATE REVENUE	8,724,369	3,455,503	536,866	3,000,000	306,000	326,000	346,000	367,000	387,000
WASTEWATER FACILITY FEE REVENUE	2,900,000	345,360	454,640	600,000	300,000	300,000	300,000	300,000	300,000
	-								
	-								
TOTAL	\$ 11,624,369	\$ 3,800,863	\$ 991,506	\$3,600,000	\$ 606,000	\$ 626,000	\$ 646,000	\$ 667,000	\$ 687,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Water

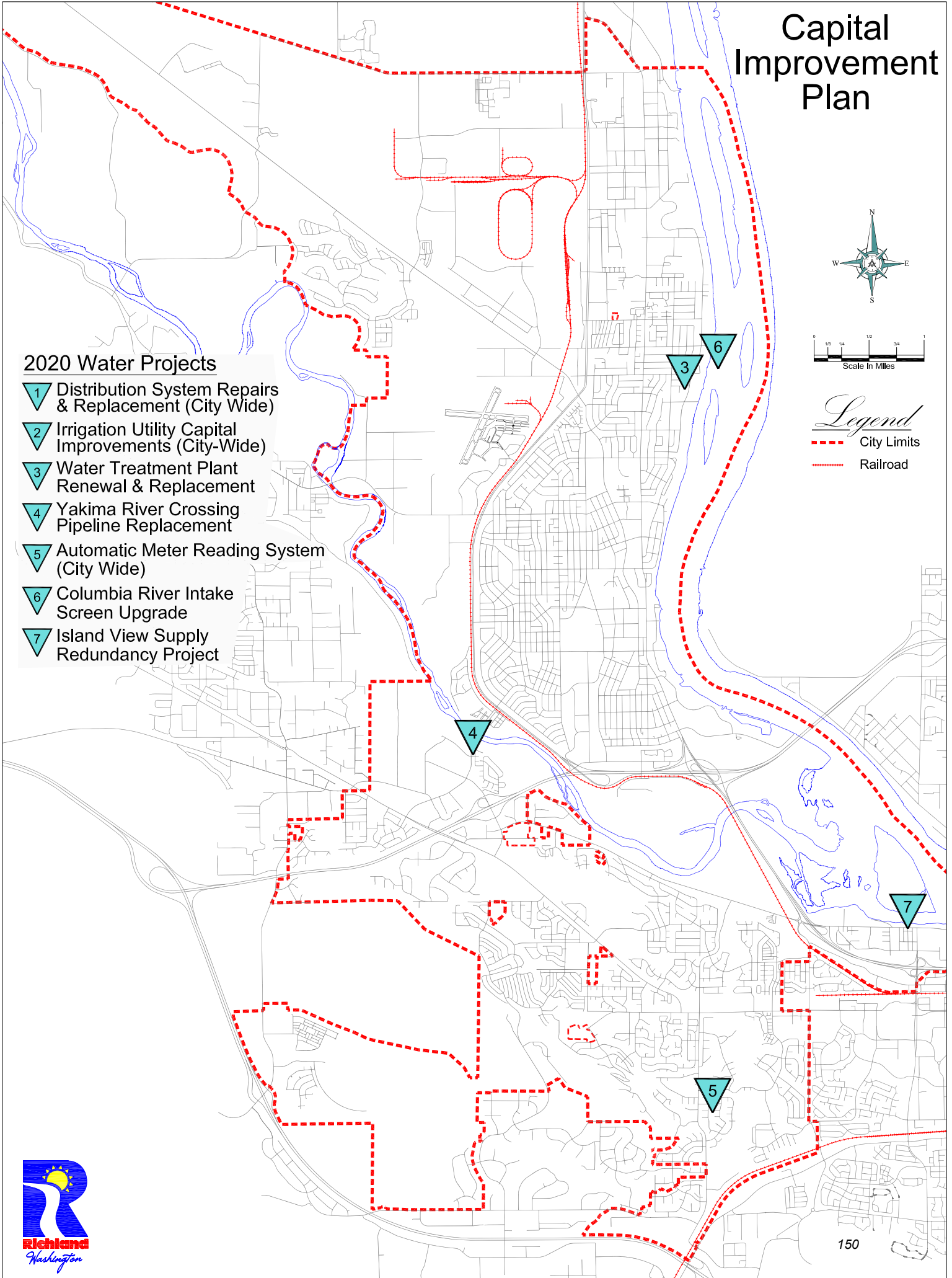
Capital Improvement Plan



Legend
--- City Limits
--- Railroad

2020 Water Projects

- 1 Distribution System Repairs & Replacement (City Wide)
- 2 Irrigation Utility Capital Improvements (City-Wide)
- 3 Water Treatment Plant Renewal & Replacement
- 4 Yakima River Crossing Pipeline Replacement
- 5 Automatic Meter Reading System (City Wide)
- 6 Columbia River Intake Screen Upgrade
- 7 Island View Supply Redundancy Project





Capital Improvement Plan

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FIN-BUD-CIP-002-
DeptSummary

2020 thru 2025

Water Projects

Department	Project #	\$ through 2018	Budget Rem. 2019	2020	2021	2022	2023	2024	2025	Total
Water										
Automatic Meter Reading System	WA160001	0	3,235,000	2,300,000	0	0	0	0	0	5,535,000
Chief Joseph Middle School Irrigation Well	WA150010	0	150,000	0	0	0	0	0	0	150,000
Columbia River Intake Screen Upgrade	WA160002	25,282	274,718	4,330,000	0	0	0	0	0	4,630,000
Distribution System Repairs & Replacement	WA130002	29,472,319	868,448	955,000	350,000	597,000	615,000	633,000	652,000	34,142,767
Irrigation Utility Capital Improvements	WA130003	2,063,852	377,877	100,000	100,000	100,000	100,000	100,000	100,000	3,041,729
Island View Supply Redundancy Project	WA160006	0	25,000	385,000	0	0	0	0	0	410,000
Tapteal I Booster Pump Station Upgrade	WA160010	0	0	0	500,000	0	0	1,647,000	0	2,147,000
Water System Water Hammer Mitigation	WA170001	0	0	0	100,000	896,000	0	0	0	996,000
Water Treatment Plant Pumping Capacity Improvements	WA170002	0	0	0	0	0	766,000	0	0	766,000
Water Treatment Plant Renewal & Replacement	WA130007	3,053,361	1,024,408	500,000	350,000	50,000	369,000	50,000	391,000	5,787,769
Yakima River Crossing Pipeline Replacement	WA130008	2,400,117	1,802,498	1,086,365	0	0	0	0	0	5,288,980
Water Total:		37,014,931	7,757,949	9,656,365	1,400,000	1,643,000	1,850,000	2,430,000	1,143,000	62,895,245
Water										
Facility Fees		35,000	100,000	4,715,000	250,000	0	0	1,647,000	0	6,747,000
Grant - FEMA		617,860	1,591,454	1,086,365	0	0	0	0	0	3,295,679
Grant - Supplemental/Federal		503,000	0	0	0	0	0	0	0	503,000
Public Works Trust Fund Loan		15,525,414	0	0	0	0	0	0	0	15,525,414
Rate Revenue		13,046,168	4,712,699	2,900,000	900,000	1,643,000	1,850,000	783,000	1,143,000	26,977,867
Revenue Bond		2,899,239	435,348	0	0	0	0	0	0	3,334,587
Richland School District		0	50,000	0	0	0	0	0	0	50,000
Water Fund		4,388,250	868,448	955,000	0	0	0	0	0	6,211,698
West Richland		0	0	0	250,000	0	0	0	0	250,000
Water Total:		37,014,931	7,757,949	9,656,365	1,400,000	1,643,000	1,850,000	2,430,000	1,143,000	62,895,245

Automated Meter Reading System

Type of Project

Water

Partnership Project?

NO

Project #

WA160001

Core Focus Area

1

Strategic Leadership Plan Project?

No

PROJECT NAME:

Automated Meter Reading System

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Water meters throughout Richland

PROJECT TIMELINE:

2018-2020

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project will convert the City's water meters with technology to automate meter reading. The project will also include enhanced system leak detection equipment.

PROJECT ASSUMPTIONS

The project is planned to complement the Electric Utility's Smart Grid- Advanced Metering Infrastructure project and depends on that project moving forward.

BENEFITS

The project will improve meter reading accuracy, water system management and leak detection, and customer service.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	235,000	-	235,000						
CONSTRUCTION MANAGEMENT	500,000	-	-	500,000					
CONSTRUCTION	4,800,000	-	3,000,000	1,800,000					
	-	-	-						
TOTAL	\$ 5,535,000	\$ -	\$3,235,000	\$2,300,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WATER RATE REVENUE	5,535,000	-	3,235,000	2,300,000					
TOTAL	\$ 5,535,000	\$ -	\$3,235,000	\$2,300,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Chief Joseph Middle School Irrigation Well

Type of Project
Water

Partnership Project?
YES

Project #
WA150010

Core Focus Area
2

Strategic Leadership Plan Project?
No

PROJECT NAME:
Chief Joseph Middle School Irrigation Well

PROJECT ADMINISTRATION:
Public Works Administration and Engineering

PROJECT LOCATION:
Chief Joseph Middle School

PROJECT TIMELINE:
2019 - 2020

RESPONSE TO *GMA LEVEL OF SERVICE?
NO

PROJECT DESCRIPTION

This project is the next one selected by staff to provide non-potable irrigation water to large turf areas. Construct a well to provide irrigation to the Chief Joseph Middle School property located at the corner of Stevens Drive, Wilson Street and Jadwin Avenue.

PROJECT ASSUMPTIONS

The project is a partnership project with the Richland School District and relies on funding from the School District. It is assumed that a productive and efficient well can be drilled on this site since there are many wells in central Richland that do so. The City's water rights enable establishing this well by reassigning existing water rights to this location. Once operational the project will reduce revenues to the Water Utility because the School District will pay less for irrigation water than the treated water they now use to water the space.

BENEFITS

The project makes best use of the City's water rights and extends the life and capacity of the City's drinking water treatment facilities. Activating underutilized portions of the City's water rights extends capacity for future growth. This is not driven by a near term scarcity of water rights, but is a long term strategy to avoid the increasingly costly process of acquiring new water rights. In terms of facilities the City's Water Treatment Plant and North Richland Slow Sand Facility provide adequate capacity for anticipated demands. These facilities are utilized to approximately 70% of rated capacity by current summer time peak demands. By removing large turf area irrigation demands from this system these facilities will retain capacity for future growth. The project will also benefit the Richland School District by reducing water costs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	5,000	-	5,000						
CONSTRUCTION MANAGEMENT	5,000	-	5,000						
CONSTRUCTION	127,273	-	127,273						
10% CONTINGENCY	12,727	-	12,727						
	-								
TOTAL	\$ 150,000	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RICHLAND SCHOOL DISTRICT	50,000	-	50,000						
IRRIGATION UTILITY RATE REVENUE	25,000	-	25,000						
WATER FACILITY FEES	75,000	-	75,000						
	-								
	-								
TOTAL	\$ 150,000	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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Columbia River Intake Screen Upgrade

Type of Project

Water

Partnership Project?

NO

Project #

WA160002

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Columbia River Intake Screen Upgrade

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Snyder Street Water Intake Structure

PROJECT TIMELINE:

2018-2021

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

The project will modify the inlet structure with new screens that comply with current environmental standards. The U.S. Army Corps of Engineers, as a condition of renewing the City's license agreement to operate water withdrawal on the Columbia River, is imposing current inlet screening standards on the City. The same conditions were imposed on several dozen other withdrawal points on the Columbia River as part of a large scale license renewal process. Preliminary engineering design has been completed, as of June, 2019. Permit review by state and federal agencies is underway with construction scheduled for the winter of 2020-2021 to align with allowable in-water work periods.

PROJECT ASSUMPTIONS

The project is required to maintain access to the City's primary water source. Completion will depend on obtaining environmental permits and availability of funds. Issuance of revenue bonds in the fall of 2020 to fund this work is assumed.

BENEFITS

The project will preserve the City's ability to supply drinking water to its residents since more than ninety percent of current supplies are withdrawn from the Columbia River intake facility at Snyder Street.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	300,000	25,282	274,718						
CONSTRUCTION MANAGEMENT	150,000			150,000					
CONSTRUCTION	3,800,000			3,800,000					
10% CONTINGENCY	380,000			380,000					
	-								
TOTAL	\$ 4,630,000	\$ 25,282	\$ 274,718	\$4,330,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WATER RATE REVENUE	300,000	25,282	274,718						
FACILITIES FEES	4,330,000			4,330,000					
	-								
	-								
TOTAL	\$ 4,630,000	\$ 25,282	\$ 274,718	\$4,330,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Distribution System Renewal & Replacement

Type of Project		Partnership Project?		Project #	
Water		NO		WA130002	
Core Focus Area		Strategic Leadership Plan Project?		No	
2					
PROJECT NAME:		Distribution System Renewal & Replacement			
PROJECT ADMINISTRATION:		Public Works Administration and Engineering			
PROJECT LOCATION:		Throughout Richland			
PROJECT TIMELINE:		Ongoing			
RESPONSE TO *GMA LEVEL OF SERVICE?		NO			

PROJECT DESCRIPTION

This program preserves the City's large investment in its water distribution system by completing timely repairs and replacement of compromised components. The program repairs and replaces valves, pipelines and meters to maintain distribution system reliability and efficiency. The program also invests in pumping stations, storage reservoirs, and pressure reducing stations as needed to maintain their service level. Each year the program will address pipe replacement and repair needs in streets programmed for upcoming Pavement Preservation Program work. In the coming several years the program will replace galvanized service lines and associated meters that are approaching the end of their service life. In 2020 this service line replacement work will be coordinated to support successful implementation of the Automated Metering Infrastructure project. In 2020 the program will also address maintenance needs at several storage reservoirs, including painting and access features.

PROJECT ASSUMPTIONS

The program relies on adequate funding from user rates and new connections. Additionally, for 2019 and 2020 this program will spend the proceeds from the 2018 Revenue Bond issue that were not needed for the Yakima River Pipeline project. Scheduled pavement preservation projects, leak survey data and maintenance records are utilized to prioritize ongoing repairs and replacement.

BENEFITS

This program extends the useful life of the water distribution system.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	1,020,918	945,918		75,000					
CONSTRUCTION	33,041,849	28,526,401	868,448	800,000	350,000	597,000	615,000	633,000	652,000
10% CONTINGENCY	80,000			80,000					
	-								
TOTAL	\$ 34,142,767	\$ 29,472,319	\$ 868,448	\$ 955,000	\$ 350,000	\$ 597,000	\$ 615,000	\$ 633,000	\$ 652,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WATER RATE REVENUE	11,867,655	9,020,655			350,000	597,000	615,000	633,000	652,000
FACILITIES FEES	35,000	35,000							
PWTF LOAN	15,525,414	15,525,414							
REVENUE BOND PROCEEDS	6,211,698	4,388,250	868,448	955,000					
GRANT - SUPPLEMENT/FEDERAL	503,000	503,000							
	-								
TOTAL	\$ 34,142,767	\$ 29,472,319	\$ 868,448	\$ 955,000	\$ 350,000	\$ 597,000	\$ 615,000	\$ 633,000	\$ 652,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2020	CODING
CAPITAL ITEM	955,000	402-410-0006-594536-6403
TOTAL	\$ 955,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2019 ABOVE

Irrigation Utility Capital Improvements

Type of Project

Water

Partnership Project?

NO

Project #

WA130003

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Irrigation Utility Capital Improvements

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Columbia Point, Horn Rapids, Willowbrook, Smart Park

PROJECT TIMELINE:

Ongoing

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This program preserves the effectiveness and efficiency of non-potable water delivery systems. The program repairs and replaces pumps, motors, valves, and pipelines in order to maintain the irrigation pumping and distribution system. In 2020 the program will implement features, such as spare electrical pump controls, to enhance system reliability.

PROJECT ASSUMPTIONS

The program relies on adequate funding through irrigation user rates. Operation and maintenance records are utilized to prioritize ongoing repairs and replacement.

BENEFITS

This program will maintain operational reliability and improve operating efficiency of irrigation water delivery systems.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	3,041,729	2,063,852	377,877	100,000	100,000	100,000	100,000	100,000	100,000
	-								
TOTAL	\$ 3,041,729	\$ 2,063,852	\$ 377,877	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
IRRIGATION UTILITY RATE REVENUE	2,238,729	1,260,852	377,877	100,000	100,000	100,000	100,000	100,000	100,000
REVENUE BOND ISSUE	803,000	803,000							
	-								
	-								
TOTAL	\$ 3,041,729	\$ 2,063,852	\$ 377,877	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY

ALL PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE

DESCRIPTION	2020	CODING
CAPITAL ITEM	100,000	402-410-0006-594507-6403
TOTAL	\$ 100,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2019 ABOVE

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Island View Supply Redundancy Project

Type of Project

Water

Partnership Project?

NO

Project #

WA160006

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Island View Supply Redundancy Project

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Steptoe Street and Tapteal Drive area

PROJECT TIMELINE:

2019 - 2020

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project will improve water supply resiliency to the Island View area. It will include construction of a second supply route to the Island View area since the area is currently provided water service through a single pipeline and pressure reducing station near Columbia Park Trail. This project will install a pressure reducing station near the intersection of Steptoe Street and Tapteal Drive, thus improving the supply reliability to the Island View area. Approximately 700 LF of 8" diameter main is proposed in Steptoe Street, from Canyon Street to Tapteal Drive, where the pressure reducing station will be installed.

PROJECT ASSUMPTIONS

The project schedule will work best if aligned with street improvements and development projects in the Steptoe - Tapteal area. Design work for the intersection began in 2019, but construction of the intersection improvement at Steptoe Street and Tapteal Drive will coincide with development plans in the area. The project will require an easement or permit from the Port of Benton and the Tri-City Railroad. If the street improvement project does not occur this project will be deferred because the supply redundancy improvement is not considered critical, but only a desirable system enhancement.

BENEFITS

Improved water service reliability to the Island View and Tapteal areas. These areas are currently supplied by a single pipeline with backup supply available from the City of Kennewick.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	25,000		25,000						
CONSTRUCTION	385,000			385,000					
	-								
TOTAL	\$ 410,000	\$ -	\$ 25,000	\$ 385,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WATER FACILITY FEE REVENUE	410,000		25,000	385,000					
	-								
	-								
	-								
TOTAL	\$ 410,000	\$ -	\$ 25,000	\$ 385,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Tapteal I Booster Pump Station Upgrade

Type of Project

Water

Partnership Project?

YES

Project #

WA160010

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Tapteal I Booster Pump Station Upgrade

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

City Shops

PROJECT TIMELINE:

2021-2024

RESPONSE TO *GMA LEVEL OF SERVICE?

YES

PROJECT DESCRIPTION

The project will replace pump station equipment to provide increased capacity and efficiency to meet the water supply needs of growth in south Richland and the City of West Richland. The City of West Richland has committed to partner with Richland for this project. Initial improvements will be completed in 2021 with major construction to occur in 2024.

PROJECT ASSUMPTIONS

This project is based on partnering funds from the City of West Richland. The project delivery schedule will be reevaluated periodically to confirm the growth projections calling for its need.

BENEFITS

The project will preserve reliable water supply to south Richland and the City of West Richland, who draws water from Richland pursuant to a wholesale water supply agreement. The project will also improve energy efficiency by replacing outdated equipment.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	50,000				50,000				
CONSTRUCTION MANAGEMENT	50,000				50,000				
CONSTRUCTION	2,007,000				360,000			1,647,000	
10% CONTINGENCY	40,000				40,000				
	-								
TOTAL	\$ 2,147,000	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 1,647,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WATER FACILITY FEES	1,897,000				250,000			1,647,000	
CITY OF WEST RICHLAND	250,000				250,000				
	-								
	-								
TOTAL	\$ 2,147,000	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 1,647,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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Core 545 Zone Surge Analyses

Type of Project

Water

Partnership Project?

NO

Project #

WA170001

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Water System Water Hammer Mitigation

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Throughout the Richland core.

PROJECT TIMELINE:

2021 - 2022

RESPONSE TO *GMA LEVEL OF SERVICE?

PROJECT DESCRIPTION

Engineering analysis of the City's water system, performed as part of the 2017 Water System Plan, suggested that water use growth pushes the existing infrastructure closer to design standards, making the system more vulnerable to water hammer. This project will evaluate for potential water hammer effects on the existing system and install water hammer mitigation equipment at selected locations.

PROJECT ASSUMPTIONS

If population and water demand continues to grow this project will be remain on the identified schedule. A preliminary evaluation in 2021 may defer work until a later date.

BENEFITS

If water hammer risks are identified installing the mitigating equipment will reduce the risk of system damage and private property damage due to water hammer.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	100,000				100,000				
CONSTRUCTION	896,000					896,000			
	-								
TOTAL	\$ 996,000	\$ -	\$ -	\$ -	\$ 100,000	\$ 896,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WATER RATE REVENUE	996,000				100,000	896,000			
	-								
	-								
	-								
TOTAL	\$ 996,000	\$ -	\$ -	\$ -	\$ 100,000	\$ 896,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Water Treatment Plant Pumping Capacity Improvements

Type of Project
Water

Partnership Project?
NO

Project #
WA170002

Core Focus Area
2

Strategic Leadership Plan Project?
No

PROJECT NAME:
Water Treatment Plant Pumping Capacity Improvements

PROJECT ADMINISTRATION:
Public Works Administration and Engineering

PROJECT LOCATION:
Water Treatment Plant

PROJECT TIMELINE:
2023

RESPONSE TO *GMA LEVEL OF SERVICE?
NO

PROJECT DESCRIPTION

This project will enhance the reliability and supply capacity of the water treatment plant as system demand grows. The installation of a new pump with a variable frequency drive in the finished water pump room of the water treatment plant. The plant currently has seven operating pumps, one with a variable frequency drive. The variable frequency drive-equipped pump results in steady system pressure and smooth water treatment operations. With only one variable frequency equipped pump the system is vulnerable to failure of this one unit. In addition the loss of any pump would compromise the ability of the plant to deliver peak flow when needed. As system demand grows these vulnerabilities will become more impactful. This project will mitigate those risks by adding a variable-frequency drive equipped pump to the finished water pump room.

PROJECT ASSUMPTIONS

The project assumes that system demand grows as projected and that the North Richland Slow Sand Facility continues to provide reliable water supply. If the North Richland Slow Sand Facility is compromised this project would become more critical. If demand growth slows this project could be deferred.

BENEFITS

Improves the capacity and reliability of the plant and continuity of operations during an extended equipment failure at the plant.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	766,000						766,000		
	-								
TOTAL	\$ 766,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 766,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WATER RATE REVENUE	766,000						766,000		
	-								
	-								
	-								
TOTAL	\$ 766,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 766,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Water Treatment Plant Renewal & Replacement

Type of Project
Water

Partnership Project?
NO

Project #
WA130007

Core Focus Area
2

Strategic Leadership Plan Project?
No

PROJECT NAME:
Water Treatment Plant Renewal & Replacement

PROJECT ADMINISTRATION:
Public Works Administration and Engineering

PROJECT LOCATION:
Water Plant & Water Facilities throughout Richland

PROJECT TIMELINE:
Ongoing

RESPONSE TO *GMA LEVEL OF SERVICE?
NO

PROJECT DESCRIPTION

This program preserves the City's substantial investment in its water treatment plants by completing timely renewal and replacement of compromised elements. The program completes structural, mechanical, and control systems rehabilitation, repair and replacement of water plant facility and infrastructure. In 2020, the most significant projects will repair the main building's exterior concrete, upgrade the building's energy efficiency by replacing non-insulating panels and windows, and update the plant's filter backwash solids handling system.

PROJECT ASSUMPTIONS

The program relies on adequate funding from user rates and new connections and the availability of staff time.

BENEFITS

The City's Saint Street Water Treatment Plant is the City's most important water supply facility and is more than 50 years old. This plant and several other smaller water treatment plants are vital to delivering high-quality healthy water to the City and these investments preserve and extend the effectiveness of these facilities.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	5,787,769	3,053,361	1,024,408	500,000	350,000	50,000	369,000	50,000	391,000
	-								
TOTAL	\$ 5,787,769	\$ 3,053,361	\$ 1,024,408	\$ 500,000	\$ 350,000	\$ 50,000	\$ 369,000	\$ 50,000	\$ 391,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
WATER RATE REVENUE	5,249,483	2,739,379	800,104	500,000	350,000	50,000	369,000	50,000	391,000
REVENUE BOND ISSUE	538,286	313,982	224,304						
	-								
	-								
TOTAL	\$ 5,787,769	\$ 3,053,361	\$ 1,024,408	\$ 500,000	\$ 350,000	\$ 50,000	\$ 369,000	\$ 50,000	\$ 391,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY

ALL PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE

DESCRIPTION	2020	CODING
CAPITAL ITEM	500,000	402-410-0006-594505-6403
TOTAL	\$ 500,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2019 ABOVE

2020-2025 Capital Improvement Plan

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Yakima River Crossing Pipeline Replacement

Type of Project

Water

Partnership Project?

NO

Project #

WA130008

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Yakima River Crossing Pipeline Replacement

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Duportail Street and Bridge

PROJECT TIMELINE:

2017 - 2020

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project will replace the existing pipeline crossing the Yakima River near the Duportail Street alignment. The replacement pipeline will be mounted on the Duportail Bridge and include increased capacity as called for in 2016 Water System Plan update. Project implementation will be phased with the Duportail Bridge project.

PROJECT ASSUMPTIONS

The project is partially funded through a grant funding agreement with FEMA and relies on the availability of those funds.

BENEFITS

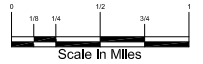
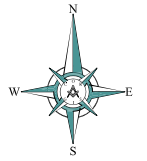
The replacement water line will ensure continued reliable water supply to the portion of the City south of the Yakima River and will extend this crossing's capacity to support anticipated growth in south Richland and West Richland.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	215,000	165,000	50,000						
CONSTRUCTION MANAGEMENT	260,000	150,000	55,000	55,000					
CONSTRUCTION	4,391,600	2,085,117	1,368,808	937,675					
10% CONTINGENCY	422,380	-	328,690	93,690					
	-								
TOTAL	\$ 5,288,980	\$ 2,400,117	\$1,802,498	\$ 1,086,365	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
GRANT - FEMA	3,079,666	1,782,257	211,044	1,086,365					
REVENUE BOND PROCEEDS	2,209,314	617,860	1,591,454		-				
	-								
	-								
TOTAL	\$ 5,288,980	\$ 2,400,117	\$1,802,498	\$ 1,086,365	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Waterfront

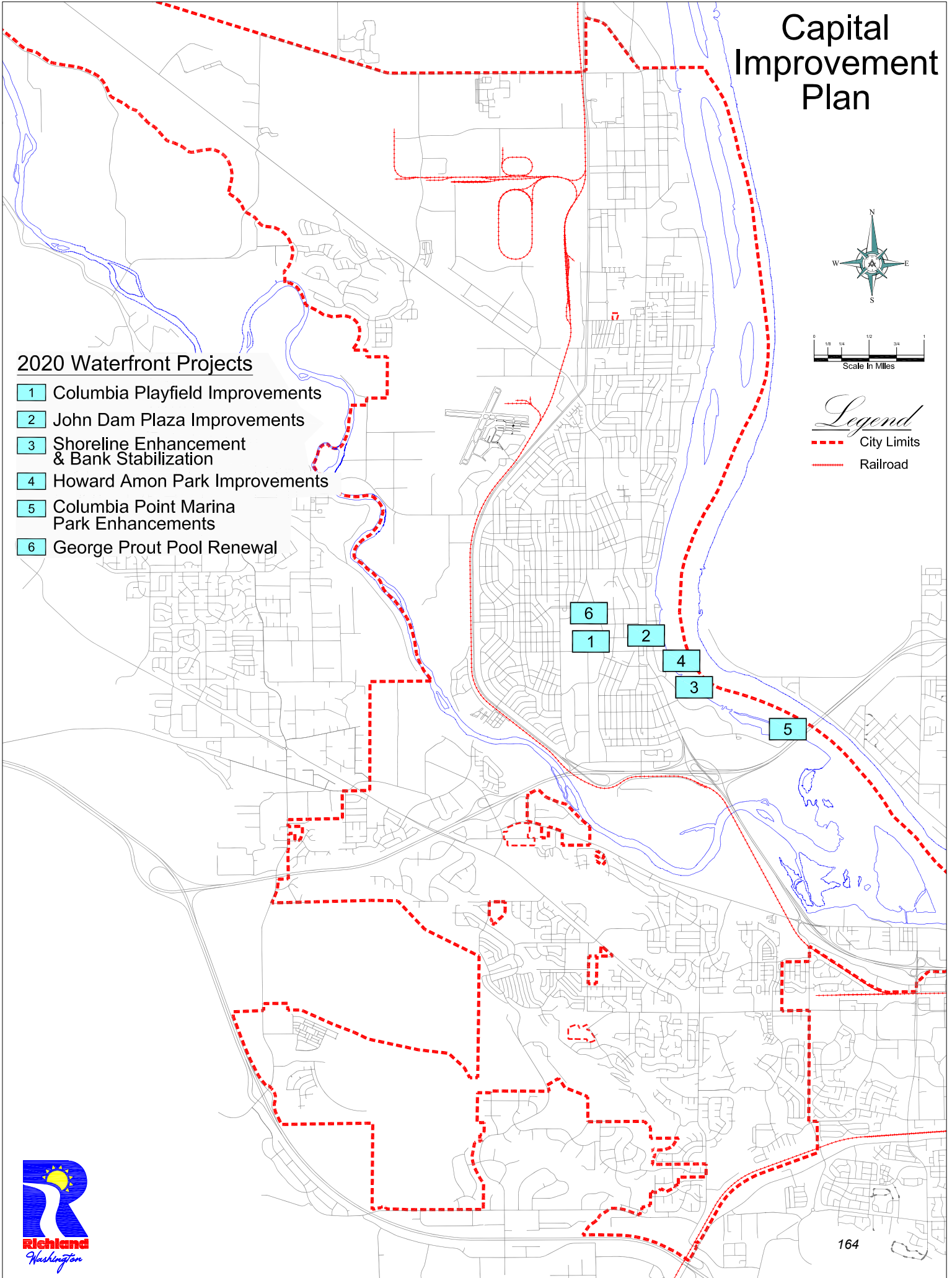
Capital Improvement Plan



Legend
--- City Limits
--- Railroad

2020 Waterfront Projects

- 1 Columbia Playfield Improvements
- 2 John Dam Plaza Improvements
- 3 Shoreline Enhancement & Bank Stabilization
- 4 Howard Amon Park Improvements
- 5 Columbia Point Marina Park Enhancements
- 6 George Prout Pool Renewal





Capital Improvement Plan

9/30/2019 10:49:00 AM

FIN-BUD-CIP-002-
DeptSummary

2020 thru 2025

Waterfront Projects

Department	Project #	\$ through 2018	Budget Rem. 2019	2020	2021	2022	2023	2024	2025	Total
Waterfront										
Columbia Playfield Improvements	WF140007	1,586,958	60,000	75,000	700,000	0	0	0	0	2,421,958
Columbia Point Marina Park Enhancements	WF150015	1,072,846	410,000	50,000	190,000	400,000	560,000	0	0	2,682,846
Columbia Pt. Golf Course Clubhouse Modernization & Course	WF160003	266,000	0	0	0	0	0	836,000	0	1,102,000
Fire Station 71 Replacement - Public Safety Facility	WF140004	0	0	0	0	0	5,300,000	0	0	5,300,000
George Prout Pool Renewal	WF170001	200,000	20,000	130,000	0	0	0	0	0	350,000
Howard Amon Park Improvements	WF140011	565,400	320,000	300,000	590,000	400,000	0	0	0	2,175,400
John Dam Plaza Improvements	WF140008	1,475,894	25,000	250,000	100,000	220,000	0	0	500,000	2,570,894
Leslie Groves Park Enhancements	WF160002	0	120,000	0	0	680,000	0	0	0	800,000
Shoreline Enhancement & Bank Stabilization	WF140010	120,000	0	225,000	225,000	530,000	530,000	530,000	230,000	2,390,000
Wayfinding Signage & Gateway Entrance Improvements	WF140012	802,311	320,000	0	0	0	0	0	0	1,122,311
Waterfront Total:		6,089,409	1,275,000	1,030,000	1,805,000	2,230,000	6,390,000	1,366,000	730,000	20,915,409
Waterfront										
Bonds - Future Rate Issue		0	0	0	0	0	5,300,000	0	0	5,300,000
Business License Reserve Fund		181,894	0	0	0	0	0	0	0	181,894
CDBG Funds		63,000	0	0	0	0	0	0	0	63,000
Donations		160,000	0	250,000	100,000	0	0	0	0	510,000
General Fund		353,000	0	0	0	0	0	0	0	353,000
Grant		480,000	0	0	0	0	0	0	0	480,000
Grant - RCO		235,400	150,000	0	190,000	0	0	0	0	575,400
Grant (YAF)		203,846	0	0	0	0	0	0	0	203,846
Hotel/Motel-Lodging Funds		1,559,183	795,000	75,000	400,000	100,000	0	0	0	2,929,183
Industrial Development Fund		182,137	60,000	0	0	0	0	0	0	242,137
Lodging Tax Grant (Secured)		771,775	0	0	0	0	0	0	0	771,775
LTGO Bond Fund		250,000	0	0	0	0	0	0	0	250,000
Parks Reserve Fund (Undesignated)		277,500	0	30,000	190,000	0	0	0	0	497,500
Parks Reserve-Park District 1		70,000	180,000	30,000	50,000	680,000	0	0	0	1,010,000
Parks Reserve-Park District 2		14,500	0	0	0	0	0	0	0	14,500
Private Funding		50,000	0	0	50,000	0	0	0	0	100,000
Public Safety Sales Tax		20,000	0	0	0	0	0	0	0	20,000
REET-RE Excise Tax 1st 1/4%		807,174	20,000	645,000	825,000	1,000,000	300,000	300,000	0	3,972,174
REET-RE Excise Tax 2nd 1/4%		250,000	70,000	0	0	0	0	0	0	320,000
Right-of-Way Sale (Secured)		160,000	0	0	0	0	0	0	0	160,000
Unfunded		0	0	0	0	450,000	790,000	1,066,000	730,000	3,036,000
Waterfront Total:		6,089,409	1,275,000	1,030,000	1,805,000	2,230,000	6,390,000	1,366,000	730,000	20,915,409

Columbia Playfield Improvements

Type of Project

Waterfront

Partnership Project?

YES

Waterfront Project?

YES

Project #

WF140007

Core Focus Area

5

Strategic Leadership Plan Project?

Yes

PROJECT NAME:

Columbia Playfield Improvements

PROJECT ADMINISTRATION:

Parks & Public Facilities

PROJECT LOCATION:

Columbia Playfield, 1500 Mansfield

PROJECT TIMELINE:

2020-2021

RESPONSE TO *GMA LEVEL OF SERVICE?

YES

PROJECT DESCRIPTION

The Columbia Playfields are a premier softball complex attracting local, regional and tournament users. 2020 - Reconstruct fields 2 & 3. 2020 - resurface north parking lot. 2021 - replace the aging, two story restroom building with a more modern facility that is ADA compliant.

PROJECT ASSUMPTIONS

Receiving 2020 and 2021 Lodging Tax grants.

BENEFITS

Increase tourism activity through tournaments hosted at Columbia Playfield. Provide adequate facilities for youth sports.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	60,000				60,000				
CONSTRUCTION	2,301,958	1,586,958	60,000	75,000	580,000				
10% CONTINGENCY	60,000				60,000				
	-								
TOTAL	\$ 2,421,958	\$ 1,586,958	\$ 60,000	\$ 75,000	\$ 700,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RIGHT-OF-WAY SALE (SECURED)	160,000	160,000							
LODGING TAX GRANT (SECURED)	771,775	771,775							
PRIVATE FUNDING	100,000	50,000			50,000				
LODGING TAX GRANT	664,183	289,183		75,000	300,000				
RCO GRANT	150,000	150,000							
RE EXCISE TAX 1ST 1/4%	300,000				300,000				
CDBG GRANT	63,000	63,000							
PARK DISTRICT 1	90,000		60,000		50,000				
GENERAL FUND	103,000	103,000							
TOTAL	\$ 2,421,958	\$ 1,586,958	\$ 60,000	\$ 75,000	\$ 700,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	3,150			400	450	500	550	600	650
	-								
	-								
TOTAL	\$ 3,150	-	-	\$ 400	\$ 450	\$ 500	\$ 550	\$ 600	\$ 650

Columbia Point Marina Park Enhancements

Type of Project	Partnership Project?	Waterfront Project?	Project #
Waterfront	NO	YES	WF150015
Core Focus Area	Strategic Leadership Plan Project?		
5	Yes		
PROJECT NAME:	Columbia Point Marina Park Enhancements		
PROJECT ADMINISTRATION:	Parks & Public Facilities		
PROJECT LOCATION:	Columbia Point Marina Park		
PROJECT TIMELINE:	2020 - 2023		
RESPONSE TO *GMA LEVEL OF SERVICE?	NO		

PROJECT DESCRIPTION	
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Columbia Point Marina Park is the City's top rated marina and is located in the heart of Columbia Point. Use of the marina has grown steadily over the years along with the development of neighborhood restaurants and hotels. 2019: replace an undersized and failing sewer lift station that serves the public bathrooms and boat pump out facilities. 2019 - 2020: Complete environmental, cultural resource study and permitting to widen the marina opening. 2021: widen the opening to accommodate marina traffic and large vessels (\$200,00) and replace aging playground equipment (\$350,000); 2023: construct a new commercial dock as an expansion to the existing commercial dock.

PROJECT ASSUMPTIONS	
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<p>Receive state BIG TIER 1 grant for dock development. Use the Industrial Development Fund to fund a project to replace state funded parkland that was converted to private use for LuLu's restaurant. The required project will satisfy the previous state investment by widening the marina opening.</p>

BENEFITS	
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New docks will improve the appearance and safety of the marina and a wider marina opening will increase marina capacity. A new playground will provide a unique play experience.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	2,322,846	1,072,846	350,000			400,000	500,000		
PLANNING	210,000		60,000	50,000	40,000		60,000		
CONTINGENCY	50,000				50,000				
	-								
	-								
TOTAL	\$ 2,682,846	\$ 1,072,846	\$ 410,000	\$ 50,000	\$ 190,000	\$ 400,000	\$ 560,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
GRANT (YAF)	203,846	203,846							
RE EXCISE TAX 1ST 1/4%	704,000	254,000		50,000		400,000			
RE EXCISE TAX 2ND 1/4%	150,000	150,000							
RCO BIG TIER 1 GRANT	180,000	180,000							
INDUSTRIAL DEVELOPMENT FUND	60,000		60,000						
PARKS RESERVE FUND (UNDESIGNATED)	210,500	20,500			190,000				
PARKS RESERVE DISTRICT 2	14,500	14,500							
UNFUNDED							560,000		
HOTEL/MOTEL LODGING FUNDS	600,000	250,000	350,000						
TOTAL	\$ 2,682,846	\$ 1,072,846	\$ 410,000	\$ 50,000	\$ 190,000	\$ 400,000	\$ 560,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
labor	3,000						1,000	1,000	1,000
material	3,000						1,000	1,000	1,000
	-								
	-								
TOTAL	\$ 6,000	-	-	\$ -	\$ -	\$ -	\$ 2,000	\$ 2,000	\$ 2,000

Columbia Pt. Golf Course Clubhouse Modernization & Course Improvements

Type of Project

Waterfront

Partnership Project?

NO

Waterfront Project?

YES

Project #

WF160003

Core Focus Area

2

Strategic Leadership Plan Project?

Yes

PROJECT NAME:

Columbia Pt. Golf Course Clubhouse Modernization & Course Improvements

PROJECT ADMINISTRATION:

Parks & Public Facilities

PROJECT LOCATION:

Columbia Point Golf Course

PROJECT TIMELINE:

2020 - 2024

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

A 10-year management agreement with the Columbia Point Golf Course operator (CourseCo) includes a required contribution of \$75,000 from the operator, or up to \$100,000 if the City provides a matching \$100,000 for clubhouse and course improvements in an effort to improve the profitability of the golf course. The facility has not had significant paint, carpet, or any implements since new in 1996. Food and beverage improvements are needed in the kitchen and dining room, in addition to bathroom remodel (urinals, dividers, flooring fixtures), interior and exterior painting, weatherproofing, customer seating, exterior lighting, and parking lot seal and striping. Minor course improvements includes tree maintenance and rebuilding of several sand bunkers. All items in this project are "capital projects" as defined in the operating agreement with CourseCo and outside the normal maintenance obligations of the operator. 2019 - Hired consultant to design clubhouse renovations and performed deferred maintenance on building and initiated deferred maintenance work including paint, carpet, trim, HVAC.

PROJECT ASSUMPTIONS

Enhancements will be made in various locations in the clubhouse and on the course in an effort to maintain a high standard of quality at the facility and to improve profitability in the food and beverage segment of the business.

BENEFITS

Enhanced food and beverage sales are expected to improve facility revenue and other investments are intended to retain and attract customers.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RENEWAL AND REPLACEMENT	266,000	266,000	-						
MAJOR RENOVATION	700,000							700,000	
PARKING LOT SEAL AND STRIPE	60,000							60,000	
CONTINGENCY	76,000							76,000	
TOTAL	\$ 1,102,000	\$ 266,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 836,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RE EXCISE TAX 1ST 1/4%	166,000	166,000	-						
DONATION (PRIVATE - COURSECO.)	100,000	100,000							
UNFUNDED	836,000							836,000	
	-								
TOTAL	\$ 1,102,000	\$ 266,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 836,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2020-2025 Capital Improvement Plan

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Fire Station 71 Replacement - Public Safety Facility

Type of Project

Waterfront

Partnership Project?

NO

Waterfront Project?

Yes

Project #

WF140004

Core Focus Area

2

Strategic Leadership Plan Project?

Yes

PROJECT NAME:

Fire Station 71 Replacement - Public Safety Facility

PROJECT ADMINISTRATION:

Fire Services

PROJECT LOCATION:

Between George Washington Way and Jadwin, just North of the Richland Police Department main station

PROJECT TIMELINE:

2027-2030

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This station construction project replaces the existing headquarters fire station at 1000 George Washington Way, and locates it adjacent to the Richland Police Station. Currently, the primary driver for this project is the economic development opportunity related to the current station site at the west end of Swift Blvd.

PROJECT ASSUMPTIONS

Because this is a station replacement, no additional staffing or vehicles will be required for this project. The building site will be City owned land, just north of the Richland Police Station on George Washington Way. Funding mechanism and timing of construction will be identified by City council in conjunction with staff, and will likely include revenue from the sale of the 1000 GWW property. The station construction project will utilize a design-build approach.

BENEFITS

This project creates a modern and inviting 'public safety campus' in the downtown/waterfront district. The relocation of the fire station opens the current George Washington Way property for economic development along with the vacated city hall site. This property is the Northeast corner of the Waterfront District and the East end of the Swift Corridor and will open the site to Private/Commercial Development to help anchor both projects. Additionally, the existing station has deteriorated due to age, and is nearing the end its practical life cycle. Despite investment in the building in the last several years, core maintenance projects remain if the building life, as a fire station, is to be extended much beyond the next 7 years.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	4,500,000						4,500,000		
ENGINEERING & DESIGN	800,000						800,000		
	-								
TOTAL	\$ 5,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,300,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
MUNICIPAL BONDS	5,300,000						5,300,000		
	-								
	-								
	-								
TOTAL	\$ 5,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,300,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2020-2025 Capital Improvement Plan

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George Prout Pool Renewal

Type of Project

Waterfront

Partnership Project?

NO

Waterfront Project?

YES

Project #

WF170001

Core Focus Area

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

George Prout Pool Renewal

PROJECT ADMINISTRATION:

Parks & Public Facilities

PROJECT LOCATION:

1005 Swift Blvd.

PROJECT TIMELINE:

2020

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

The George Prout Pool is a long-serving and beloved community amenity. The original bath house was renovated in 1981 and the original pool was replaced in 2002. 2020 - install HVAC in bath house. The facility does not currently have HVAC and is cooled with windows and fans in the summer and is winterized in the winter.

PROJECT ASSUMPTIONS

BENEFITS

Adding HVAC to the bathhouse will improve user comfort in the facility and simplify winter maintenance.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	350,000	200,000	20,000	130,000					
	-								
	-								
TOTAL	\$ 350,000	\$ 200,000	\$ 20,000	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RE EXCISE TAX 1ST 1/4%	190,000	100,000	20,000	70,000					
UNDESIGNATED PARK RESERVE	60,000	30,000		30,000					
PARKS RESERVE DISTRICT 1	100,000	70,000		30,000					
	-								
TOTAL	\$ 350,000	\$ 200,000	\$ 20,000	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
labor	6,000			1,000	1,000	1,000	1,000	1,000	1,000
material	4,500			750	750	750	750	750	750
	-								
TOTAL	\$ 10,500	-	-	\$ 1,750	\$ 1,750	\$ 1,750	\$ 1,750	\$ 1,750	\$ 1,750

Howard Amon Park Improvements

Type of Project

Waterfront

Partnership Project?

NO

Waterfront Project?

YES

Project #

WF140011

Core Focus Area

5

Strategic Leadership Plan Project?

Yes

PROJECT NAME:

Howard Amon Park Improvements

PROJECT ADMINISTRATION:

Parks & Public Facilities

PROJECT LOCATION:

Howard Amon Park

PROJECT TIMELINE:

2020-2022

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

Projects included in Howard Amon Park focus on widening the Riverfront Trail and stabilizing the beach between the Hampton Inn and north Howard Amon Park to include trail widening and reconstruction, lighting, and annual beach restoration work. 2019 - complete necessary state and federal permitting. 2020 - 700 feet of trail reconstruction. 2020 - 660 feet of trail reconstruction. 2021 - complete 480 feet of trail reconstruction and finish installing rubber playground surfacing in Sturgeon Cove Playground. 2022 - 780 feet of trail reconstruction.

PROJECT ASSUMPTIONS

State Resource and Conservation Office and other grants will be obtained for playground surfacing. Cultural resource work will represent 30% of project expenses.

BENEFITS

This section of the Riverfront Trail is the busiest and most congested trail in the City and is currently 8 feet wide. Widening the trail will ease congestion by providing a 15 foot wide concrete sidewalk section along with trail lighting for use after dark.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	1,975,400	565,400	290,000	250,000	530,000	340,000			
CONTINGENCY	200,000		30,000	50,000	60,000	60,000			
	-								
	-								
	-								
	-								
TOTAL	\$ 2,175,400	\$ 565,400	\$ 320,000	\$ 300,000	\$ 590,000	\$ 400,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RE EXCISE TAX 1ST 1/4%	992,000	92,000		300,000	300,000	300,000			
RE EXCISE TAX 2ND 1/4%	170,000	100,000	70,000						
BUSINESS LICENSE RESERVE FUND	48,000	48,000							
HOTEL/MOTEL - LODGING TAX FUNDS	520,000	220,000	100,000		100,000	100,000			
PUBLIC SAFETY SALES TAX	20,000	20,000							
RCO GRANT	425,400	85,400	150,000		190,000				
UNFUNDED	-								
TOTAL	\$ 2,175,400	\$ 565,400	\$ 320,000	\$ 300,000	\$ 590,000	\$ 400,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
MAINTENANCE	3,300			500	500	500	600	600	600
	-								
	-								
TOTAL	\$ 3,300	-	-	\$ 500	\$ 500	\$ 500	\$ 600	\$ 600	\$ 600

John Dam Plaza Improvements

Type of Project

Waterfront

Partnership Project?

YES

Waterfront Project?

YES

Project #

WF140008

Core Focus Area

5

Strategic Leadership Plan Project?

Yes

PROJECT NAME:

John Dam Plaza Improvements

PROJECT ADMINISTRATION:

Parks & Public Facilities

PROJECT LOCATION:

John Dam Plaza, 800 Jadwin Avenue

PROJECT TIMELINE:

2020 - 2025

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

John Dam Plaza is the host of the HAPO Community Stage attracting thousands of visitors each weekend who attend music performances supplemented with food trucks and other entertainment. 2019 - design of shade structures for spectator seating area; 2020 - seek private donors and sponsors to fund the construction of shade structure. 2021 - construct fountain funded in part by private contribution. 2025 - construct entry feature at Southeast corner of plaza.

PROJECT ASSUMPTIONS

BENEFITS

The proposed improvements will complement the City's vision to enhance the downtown and waterfront areas. The annual HAPO contribution of \$30,000 will be set aside for maintenance beginning in 2017 and included in the operating budget for additional, necessary maintenance and support for the stage and John Dam Plaza to keep the facility in a high-quality condition.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
DESIGN	25,000		25,000						
CONSTRUCTION	2,500,894	1,475,894		225,000	80,000	220,000			500,000
10% CONTINGENCY	45,000			25,000	20,000				
	-								
TOTAL	\$ 2,570,894	\$ 1,475,894	\$ 25,000	\$ 250,000	\$ 100,000	\$ 220,000	\$ -	\$ -	\$ 500,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
BUSINESS LICENSE RESERVE FUND	133,894	133,894							
HOTEL/MOTEL LODGING FUNDS	625,000	600,000	25,000						
RE EXCISE TAX 1ST 1/4%	25,000	25,000							
RCO GRANT	300,000	300,000							
DONATION	410,000	60,000		250,000	100,000				
LTGO BOND FUND	250,000	250,000				220,000			500,000
UNFUNDED									
UNDESIGNATED PARK RESERVE	107,000	107,000							
TOTAL	\$ 2,570,894	\$ 1,475,894	\$ 25,000	\$ 250,000	\$ 100,000	\$ 220,000	\$ -	\$ -	\$ 500,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
PARK MAINTENANCE	232,000				45,000	45,000	45,000	47,000	50,000
	-								
	-								
	-								
TOTAL	\$ 232,000	-		\$ -	\$ 45,000	\$ 45,000	\$ 45,000	\$ 47,000	\$ 50,000

2020-2025 Capital Improvement Plan

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Leslie Groves Park Enhancements

Type of Project

Waterfront

Partnership Project?

NO

Waterfront Project?

YES

Project #

WF160002

Core Focus Area

5

Strategic Leadership Plan Project?

Yes

PROJECT NAME:

Leslie Groves Park Enhancements

PROJECT ADMINISTRATION:

Parks & Public Facilities

PROJECT LOCATION:

Leslie Groves Park

PROJECT TIMELINE:

2020 - 2022

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

Leslie Groves Park is a high quality park serving north Richland. The park has seen increased use commensurate with other waterfront assets. 2019 - improve swim area by removing existing jersey barrier retaining wall along the swim beach and replace with a stepped wall to provide better beach access and aesthetics. 2021- replace existing restroom with a facility that meets modern ADA requirements and add a fish cleaning station to accommodate the popular Snyder Street Docks and boat launch for fishing. 2022 rebuild tennis courts.

PROJECT ASSUMPTIONS

The public use of Leslie Groves Park including the beach, Synder Street Docks, and sand volleyball facility is increasing and warrants park and facility improvements.

BENEFITS

Continue to provide high quality amenities in Leslie Groves Park.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	720,000		105,000			315,000	300,000		
CONTINGENCY	80,000		15,000			35,000	30,000		
	-								
	-								
TOTAL	\$ 800,000	\$ -	\$ 120,000	\$ -	\$ -	\$ 350,000	\$ 330,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
PARK DISTRICT 1	800,000		120,000			350,000	330,000		
	-								
	-								
	-								
TOTAL	\$ 800,000	\$ -	\$ 120,000	\$ -	\$ -	\$ 350,000	\$ 330,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
labor	16,000					4,000	4,000	4,000	4,000
materials	8,000					2,000	2,000	2,000	2,000
	-								
TOTAL	\$ 24,000	-	-	\$ -	\$ -	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000

Shoreline Enhancement & Bank Stabilization

Type of Project

Waterfront

Partnership Project?

YES

Waterfront Project?

YES

Project #

WF140010

Core Focus Area

2

Strategic Leadership Plan Project?

Yes

PROJECT NAME:

Shoreline Enhancement & Bank Stabilization

PROJECT ADMINISTRATION:

Parks & Public Facilities

PROJECT LOCATION:

Columbia & Yakima River shorelines

PROJECT TIMELINE:

2020-2024

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

The Columbia and Yakima Rivers are valuable economic and recreational amenities. The shoreline along the Columbia River has eroded particularly south of the Shilo Inn and along Columbia Point Marina Park. In 2017, Shannon & Wilson completed a preliminary report on the cause of the erosion and several options to stabilize and protect the shoreline from further damage. 2020 - 2024 obtain permits and implement bank stabilization and vegetation enhancement & shoreline access for a sections of the shoreline south of the Shilo Inn to the I-182 Interstate bridge.

PROJECT ASSUMPTIONS

Design and permitting can be completed satisfying Corps of Engineer requirements.

BENEFITS

Protect shoreline from erosion, improve appearance of shoreline, provide views and accessibility to the river.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
VEGETATION & SHORELINE MAINTENANCE	2,270,000	120,000		225,000	225,000	500,000	500,000	500,000	200,000
CONTINGENCY	120,000					30,000	30,000	30,000	30,000
	-								
	-								
TOTAL	\$ 2,390,000	\$ 120,000	\$ -	\$ 225,000	\$ 225,000	\$ 530,000	\$ 530,000	\$ 530,000	\$ 230,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
UNDESIGNATED PARK RESERVE FUND	120,000	120,000							
RE EXCISE TAX 1st 1/4%	1,350,000			225,000	225,000	300,000	300,000	300,000	
UNFUNDED	920,000					230,000	230,000	230,000	230,000
	-								
TOTAL	\$ 2,390,000	\$ 120,000	\$ -	\$ 225,000	\$ 225,000	\$ 530,000	\$ 530,000	\$ 530,000	\$ 230,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Wayfinding Signage & Gateway Entrance Improvements

Type of Project

Waterfront

Partnership Project?

YES

Waterfront Project?

YES

Project #

WF140012

Core Focus Area

1

Strategic Leadership Plan Project?

Yes

PROJECT NAME:

Wayfinding Signage & Gateway Entrance Improvements

PROJECT ADMINISTRATION:

Parks & Public Facilities

PROJECT LOCATION:

City-wide

PROJECT TIMELINE:

2020 - 2020

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

Visit Tri Cities (the area's visitor and convention bureau) has managed a consultant effort to coordinate the Cities of Richland, West Richland, Kennewick, Pasco, Benton and Franklin Counties and the Ports of Benton and Kennewick, along with the Tri-Cities Lodging Association to develop a wayfinding guide signage program consistent with the Tri Cities brand. Wayfinding guide signage a category of traffic control as defined by the MUTCD and the area program is intended to result in well-designed, attractive signage (vehicular and pedestrian) and entrance features expected to beautify the region and provide helpful tourist directions. The beatification elements are not MUTCD guide signs and will utilize Lodging Tax revenue and General Fund. The plan was completed in 2017. A local engineering consultant is under contract to implement the plan in two phases. 2019 - 2020 construct/install the monument and entry signage within city limits and an electronic readerboard funded partially with 2019 lodging tax. 2020-2021 - fabricate and install street wayfinding signs.

PROJECT ASSUMPTIONS

Other regional partners will make similar contributions in other jurisdictions. A three phase plan has been developed in an effort to encourage a coordinated, regional implementation.

BENEFITS

Improve community image and tourist accessibility.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
CONSTRUCTION	1,122,311	802,311	320,000						
	-								
TOTAL	\$ 1,122,311	\$ 802,311	\$ 320,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/18	Authorized Budget Remaining in 2019	2020	2021	2022	2023	2024	2025
RE EXCISE TAX 1ST 1/4%	170,174	170,174							
INDUSTRIAL DEVELOPMENT FUND	182,137	182,137							
HOTEL/MOTEL-LODGING TAX	520,000	200,000	320,000						
GENERAL FUND	250,000	250,000							
TOTAL	\$ 1,122,311	\$ 802,311	\$ 320,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2020	2021	2022	2023	2024	2025
labor	30,000			5,000	5,000	5,000	5,000	5,000	5,000
materials	12,000			2,000	2,000	2,000	2,000	2,000	2,000
	-								
TOTAL	\$ 42,000	-	-	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000