



2021-2026

Citywide Capital Improvement Program

New Projects

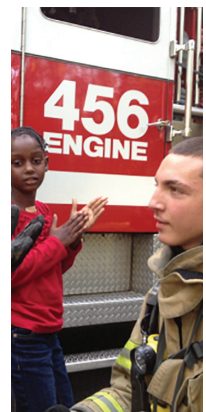
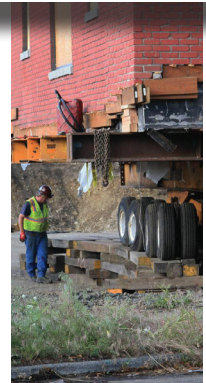
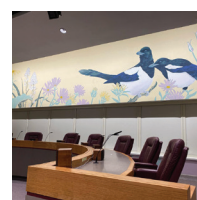
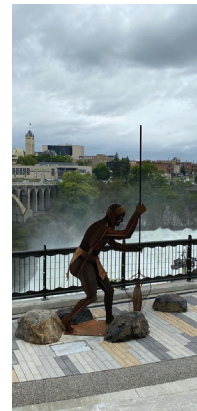
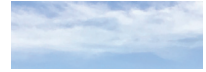
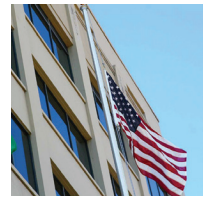


Table of Contents

New Project Reports

Section 1	Asset Management	1
Section 2	Fire	4
Section 3	ITSD	8
Section 4	Library	11
Section 5	Parks & Recreation	13
Section 6	Police	17
Section 7	Solid Waste Collection	20
Section 8	Solid Waste Disposal	22
Section 9	Street Department	25
Section 10	Wastewater Management	36
Section 11	Water	47

ASSET MANAGEMENT

Executive Summary Report: New Projects

Asset Management

* This percentage measures the level of actual financial commitment for the project. 100% would equate to the total cost of the project.

Fire											
SFD Training Admin and Field House Roof (AM-2020-63)											
Matrix Rating	Needs	Justification				Executive Summary					
38	1,3,5,6,11	The existing roof surface is deteriorating and in need of regular patching every year to repair sections that have delaminated to the point of allowing water seepage and penetration to the interior of the structure.				Replace/Overlay existing, original construction membrane roof that is over 15 years old and in need of regular patching.					
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified	
		2021	2022	2023	2024	2025	2026	Total			
\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000	100%	0%	
Estimated Total Project Cost: \$150,000											

Solid Waste Management											
Cart/Container Storage & Maintenance Building (AM-2020-59)											
Matrix Rating	Needs	Justification				Executive Summary					
73	1,2,6,11	To properly and securely store and repair carts and containers at the Spokane Central Service Center. All equipment and materials needed to be removed from the Foothills location as the City prepares to vacate the property which has been sold to Spokane Public Schools to build a new school on. This consolidates two locations into one for the department.				Metal building to consolidate new inventory, replacement parts, and repair tools for carts and containers at the Spokane Central Service Center.					
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified	
		2021	2022	2023	2024	2025	2026	Total			
\$0	\$0	\$140,000	\$0	\$0	\$0	\$0	\$0	\$140,000	100%	0%	
Estimated Total Project Cost: \$140,000											

Executive Summary Report: New Projects

Asset Management

Executive Summary Category Totals							
	2021	2022	2023	2024	2025	2026	Grand Total
Estimated Funding	\$290,000	\$0	\$0	\$0	\$0	\$0	\$290,000
Unfunded / Unidentified	0%	NaN%	NaN%	NaN%	NaN%	NaN%	0%
Unfunded / Identified	0%	NaN%	NaN%	NaN%	NaN%	NaN%	0%
Funded	100%	NaN%	NaN%	NaN%	NaN%	NaN%	100%

SPOKANE FIRE DEPARTMENT

Executive Summary Report: New Projects

Fire

* This percentage measures the level of actual financial commitment for the project. 100% would equate to the total cost of the project.

Fire

No New Projects

Executive Summary Category Totals							
	2021	2022	2023	2024	2025	2026	Grand Total
Estimated Funding	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unfunded / Unidentified	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%
Unfunded / Identified	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%
Funded	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%

INNOVATION AND
TECHNOLOGY
SERVICES DEPARTMENT
(ITSD)

Executive Summary Report: New Projects

Innovation and Technology Services

* This percentage measures the level of actual financial commitment for the project. 100% would equate to the total cost of the project.

Software										
Software - Public Safety Records Management System (IT-2020-94)										
Matrix Rating	Needs	Justification					Executive Summary			
95	1,2,3,4,5,10	Current system has had several major issues and not met expectations for use, ability to fix identified issues, and challenges in upgrading. There is uneven expectations from the regional entities on the future of the system, ongoing investment, or responsiveness of the vendor. This supports the need to assess where we are and what options there are to either confirm the current system or look at options and costs for replacement. This assessment effort is supported by all law enforcement leaders engaged. Fire agencies would not support using the current system but are interested in a new joint assessment to ensure their unique needs are represented.					Assessment and options review of the current Tyler/New World combined CAD/RMS that has not met original expectations, has additional identified needs, and did not include the Fire agencies in the original model. This is a placeholder to identify that the City will have some budget needs to review.			
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000	100%	0%
Estimated Total Project Cost: \$150,000										
Software - Public Safety Computer Aided Dispatch System (IT-2020-93)										
Matrix Rating	Needs	Justification					Executive Summary			
95	1,2,3,4,5,10	Current system has had several major issues and not met expectations for use, ability to fix identified issues, and challenges in upgrading. There is uneven expectations from the regional entities on the future of the system, ongoing investment, or responsiveness of the vendor. This supports the need to assess where we are and what options there are to either confirm the current system or look at options and costs for replacement. This assessment effort is supported by all law enforcement leaders engaged. Fire agencies would not support using the current system but are interested in a new joint assessment to ensure their unique needs are represented.					Assessment and options review of the current Tyler/New World combined CAD/RMS that has not met original expectations, has additional identified needs, and did not include the Fire agencies in the original model. This is a placeholder to identify that the City will have some budget needs to review.			
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000	100%	0%
Estimated Total Project Cost: \$150,000										

Executive Summary Report: New Projects

Innovation and Technology Services

Software (continued)										
Software - eSeries Court Management System (IT-2020-88)										
Matrix Rating	Needs	Justification				Executive Summary				
95	1,2,3,4,5,10	Current system is actually four different versions of a system that are individually tailored to a single department with minimal cross-department automation and heavy manual workflow required from staff. This creates legal information flow challenges and risks, complicates key Court needs like first appearance and docket management, and relies on manual interfaces with other regional law enforcement, court or legal records				Software replacement for 13 year old Justware product to better integrate and automate workflow between Courts and other departments. Emphasis on integration of data and automation of information and case flow between departments as well as Court docket management.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$340,000	\$390,000	\$390,000	\$0	\$0	\$0	\$0	\$0	\$390,000	100%	0%
Estimated Total Project Cost: \$1,120,000										
Software - Master Data Management Platform (IT-2020-89)										
Matrix Rating	Needs	Justification				Executive Summary				
95	1,2,3,4,5,10	Data analysts across the City are constantly re-inventing methods to access and use data from multiple systems to create information dashboards, reports or inform decisions. Multiple copies of City and external data exist in different formats and storage locations creating City-wide data integrity and quality issues. As a result of the duplication of data and information, the ability to govern and secure the data according to legal requirements is difficult. The cost of these individual data silos (more than 150 have been identified), reliability of the data, and security and privacy are challenges that this unified data platform addresses. This platform would be accessible citywide (subject to any security requirements) for department PowerBI use immediately upon load. This data would have a publication schedule to ensure it is up to date and have information security protections in place to help govern access and use. This platform fosters significant internal information sharing and becomes the platform to help provide Open Data at a significant scale up from current capabilities.				Implementing a master data framework makes key data available to internal stakeholders and identifies the requirements to protect the data. This creates a sustainable data layer that is integrated across key City systems and breaks down silos and barriers to using data across divisions.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$303,936	\$181,968	\$61,000	\$0	\$0	\$0	\$0	\$0	\$61,000	100%	0%
Estimated Total Project Cost: \$546,904										

Executive Summary Report: New Projects

Innovation and Technology Services

Software (continued)										
Software - Budget Development and Management System (IT-2020-91)										
Matrix Rating	Needs	Justification				Executive Summary				
45	1,4,5,10	Current budget management process and system does not meet the growing City needs to allow budget planning, scenario development, integration with prior budget and actuals, or workflow integration to assist in the budget planning process.				Software replacement for in house product and several department level information systems to integrate and automate budget data and workflow between Finance and departments.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000	100%	0%
Estimated Total Project Cost: \$500,000										
Software - Enterprise Resource Planning (ERP) System (IT-2020-90)										
Matrix Rating	Needs	Justification				Executive Summary				
85	1,2,3,4,5,10	Current set of systems do not meet growing City needs and are a collection of different systems with over 150 interfaces of which over 140 are manual or require duplicate entry of information. There is minimal cross-department automation and heavy manual workflow required from staff. This creates financial and time reporting information flow challenges and risks, complicates key financial systems needs such as financial reporting, budgeting, cost control and tracking, and relies on manual interfaces with over 20 other unique or silo systems.				Phase 1 (2021): Assess City needs for ERP system based on current landscape, GAAP, BARS, chart of accounts, and other current and future system requirements to determine next steps. Phase 2 on (2022-2027): TBD based on assessment				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$650,000	\$1,500,000	\$5,000,000	\$5,000,000	\$500,000	\$12,650,000	1%	99%
Estimated Total Project Cost: \$12,650,000										

Executive Summary Report: New Projects

Innovation and Technology Services

Software (continued)										
Software - Enterprise Records Management (IT-2020-92)										
Matrix Rating	Needs	Justification				Executive Summary				
80	2,3,4,5,10	Current system has been unevenly used in City and tailored to Council agenda management with minimal cross-department automation and heavy manual workflow required from staff. This creates legal information flow challenges and risks, complicates public records efforts, and relies on manual interfaces with departments and other systems.				Software enhancement or replacement for 10 year old Onbase product to better integrate and automate workflow between all City departments. Emphasis on integration of data and automation of information and approvals between departments as well as Council agenda management.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$150,000	\$500,000	\$100,000	\$0	\$0	\$750,000	20%	80%
Estimated Total Project Cost: \$750,000										

Executive Summary Category Totals							
	2021	2022	2023	2024	2025	2026	Grand Total
Estimated Funding	\$1,251,000	\$800,000	\$2,000,000	\$5,100,000	\$5,000,000	\$500,000	\$14,651,000
Unfunded / Unidentified	0%	63%	100%	100%	100%	100%	89%
Unfunded / Identified	0%	0%	0%	0%	0%	0%	0%
Funded	100%	38%	0%	0%	0%	0%	11%

SPOKANE PUBLIC LIBRARY

Executive Summary Report: New Projects

Library

* This percentage measures the level of actual financial commitment for the project. 100% would equate to the total cost of the project.

Library

No New Projects

Executive Summary Category Totals							
	2021	2022	2023	2024	2025	2026	Grand Total
Estimated Funding	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unfunded / Unidentified	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%
Unfunded / Identified	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%
Funded	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%

PARKS & RECREATION DEPARTMENT

Executive Summary Report: New Projects

Parks and Recreation

* This percentage measures the level of actual financial commitment for the project. 100% would equate to the total cost of the project.

Parks										
Ops - Playground Replacements (PKS-2020-56)										
Matrix Rating	Needs	Justification				Executive Summary				
30	1,5,12	Playground safety and usability. Play equipment is beyond design life in many parks.				Replace play equipment and fall protection surfacing. Add accessible walkways and benches where needed. Future Park bond needed in 2024 for major replacements (last major playground upgrade was in 1999).				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$360,000	\$0	\$0	\$0	\$200,000	\$100,000	\$100,000	\$200,000	\$600,000	100%	0%
Estimated Total Project Cost: \$960,000										
Rec - Dwight Merkel / Albi Stadium Replacement Coordination (PKS-2020-57)										
Matrix Rating	Needs	Justification				Executive Summary				
24	1,5	The stadium site is directly adjacent to the Dwight Merkel Sports Complex. Blending the two sites to ensure a seamless user experience requires coordination between the Spokane School District and Spokane Parks teams.				This project is the City coordination for the replacement of Joe Albi Stadium and associated field space. Stadium replacement will be managed by the Spokane School District and may improve land owned by the City.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$5,000	100%	0%
Estimated Total Project Cost: \$5,000										

Executive Summary Report: New Projects

Parks and Recreation

Parks(continued)										
RFP - South Suspension Bridge (PKS-2020-43)										
Matrix Rating	Needs	Justification				Executive Summary				
55	1,3,5,6,7,12	The bridge has exceeded its design life and requires increased annual maintenance to keep the bridge open to the public, requiring increased frequency of periodic closures to the public. Bridge railings do not meet modern guardrail standards, bridge deck framing is heavily corroded, and electrical components beneath bridge cannot be properly maintained. Sections of bridge decking are failing yearly.				The project will renovate the south Riverfront Park suspension bridge deck. South bridge replacement is secondary to the renovation of the north suspension bridge.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$104,000	\$0	\$0	\$0	\$1,750,000	\$0	\$0	\$0	\$1,750,000	57%	0%
Estimated Total Project Cost: \$1,854,000										
Adm - Beacon Hill Trail System Preservation Land Acquisition (PKS-2020-54)										
Matrix Rating	Needs	Justification				Executive Summary				
25	1,6,7	A large portion of the existing Beacon Hill trail system is located atop privately-owned property. Project is in cooperation with Spokane County and other advocates to acquire privately-owned property to ensure public access to existing trails in perpetuity.				This project will fund property acquisitions for the Beacon Hill trail system to ensure public access to existing trails. Project is in partnership with Spokane County.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$2,870,000	\$0	\$0	\$0	\$0	\$0	\$2,870,000	48%	0%
Estimated Total Project Cost: \$2,870,000										

Executive Summary Report: New Projects

Parks and Recreation

Parks(continued)

Executive Summary Category Totals							
	2021	2022	2023	2024	2025	2026	Grand Total
Estimated Funding	\$2,870,000	\$5,000	\$1,950,000	\$100,000	\$100,000	\$200,000	\$5,225,000
Unfunded / Unidentified	0%	0%	0%	0%	0%	0%	0%
Unfunded / Identified	52%	0%	38%	0%	0%	0%	43%
Funded	48%	100%	62%	100%	100%	100%	57%

SPOKANE POLICE DEPARTMENT

Executive Summary Report: New Projects

Police

* This percentage measures the level of actual financial commitment for the project. 100% would equate to the total cost of the project.

Police										
Digital Evidence Storage (SPD-2020-42)										
Matrix Rating	Needs	Justification				Executive Summary				
0		The project meets several goals from the Spokane Police Department's Technology Strategic Plan including having a defensible, secure process, an accredited digital forensic lab, robust infrastructure, balanced security, and data confidentiality.				Spokane Police Department has limited network storage available for case evidence. Best practice for storage of digital forensic evidence (videos, photos, and data from cell phones or laptops) is to store the media off of a network. The purchase would allow for secure storage of digital media.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000	100%	0%
Estimated Total Project Cost: \$25,000										
New World Hardware Upgrade (SPD-2020-81)										
Matrix Rating	Needs	Justification				Executive Summary				
5		This is the Spokane Police Department's primary software system. It is critical to be using the software on supported hardware with an active warranty. If we were to run the system on servers outside of warranty, we would be unable to get any support from the server vendor (Dell) if the servers were to fail.				Tyler Technologies - New World is a software suite providing Computer Aided Dispatch, Mobile Field Reporting, and Law Enforcement Records Management to nine agencies in the Spokane Area (Spokane Police Department, Spokane County Sheriff's Office, SREC911, Spokane Valley Police Department, Liberty La				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$160,000	\$0	\$0	\$0	\$0	\$0	\$160,000	0%	0%
Estimated Total Project Cost: \$160,000										

Executive Summary Report: New Projects

Police

* This percentage measures the level of actual financial commitment for the project. 100% would equate to the total cost of the project.

Police(continued)										
Forensic Equipment (SPD-2020-61)										
Matrix Rating	Needs	Justification				Executive Summary				
0		The project meets several goals from the Spokane Police Department's Technology Strategic Plan including having a defensible, secure process, an accredited digital forensic lab, and ensuring data confidentiality.				Spokane Police Department requires digital forensic evidence processing equipment in order to keep up with an uptick in digital evidence utilized in criminal investigations.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$50,000	\$50,000	\$10,000	\$10,000	\$10,000	\$10,000	\$140,000	79%	0%
Estimated Total Project Cost: \$140,000										

Executive Summary Category Totals							
	2021	2022	2023	2024	2025	2026	Grand Total
Estimated Funding	\$235,000	\$50,000	\$10,000	\$10,000	\$10,000	\$10,000	\$325,000
Unfunded / Unidentified	0%	0%	0%	0%	0%	0%	0%
Unfunded / Identified	68%	0%	0%	100%	100%	100%	58%
Funded	32%	100%	100%	0%	0%	0%	42%

SOLID WASTE COLLECTION DEPARTMENT

Executive Summary Report: New Projects

Solid Waste Collection

* This percentage measures the level of actual financial commitment for the project. 100% would equate to the total cost of the project.

Solid Waste Collection

No New Projects

Executive Summary Category Totals							
	2021	2022	2023	2024	2025	2026	Grand Total
Estimated Funding	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unfunded / Unidentified	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%
Unfunded / Identified	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%
Funded	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%	NaN%

SPOKANE SOLID WASTE DISPOSAL

Executive Summary Report: New Projects

Solid Waste Disposal

* This percentage measures the level of actual financial commitment for the project. 100% would equate to the total cost of the project.

Solid Waste Disposal										
Residential Pit Scale Replacement (SWD-2020-33)										
Matrix Rating	Needs	Justification				Executive Summary				
25	1,3,5	The Waste to Energy Facility utilizes three pit scales to service residential customers. These scales are 30 years old and are approaching the end of their useful life. Two scales have been replaced, this project would replace the third scale.				Replacement of the third residential pit scale.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000	\$200,000	100%	0%
Estimated Total Project Cost: \$200,000										
Motor and Mechanical Systems Upgrades (SWD-2020-34)										
Matrix Rating	Needs	Justification				Executive Summary				
14	9	Some technology and equipment at the Waste to Energy Facility is over twenty-five years old. Mechanical systems that either have exceeded their expected useful life, or for which parts and components can no longer be procured or fabricated, will be identified for replacement.				This project will upgrade and/or replace some low efficiency electrical motors and mechanical systems with newer, more efficient units.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$750,000	\$0	\$0	\$0	\$750,000	100%	0%
Estimated Total Project Cost: \$750,000										

Executive Summary Report: New Projects

Solid Waste Disposal

Solid Waste Disposal (continued)										
Replace Camera System (SWD-2020-60)										
Matrix Rating	Needs	Justification				Executive Summary				
5	5	Cameras at the facility are analog and require increased maintenance. The server that records the data is obsolete and beginning to fail.				Cameras are used at the Waste to Energy Facility for security and safety monitoring.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000	\$150,000	100%	0%
Estimated Total Project Cost: \$150,000										

Executive Summary Category Totals							
	2021	2022	2023	2024	2025	2026	Grand Total
Estimated Funding	\$0	\$0	\$750,000	\$0	\$0	\$350,000	\$1,100,000
Unfunded / Unidentified	NaN%	NaN%	0%	NaN%	NaN%	0%	0%
Unfunded / Identified	NaN%	NaN%	0%	NaN%	NaN%	0%	0%
Funded	NaN%	NaN%	100%	NaN%	NaN%	100%	100%

STREET DEPARTMENT

Executive Summary Report: New Projects

Street

* This percentage measures the level of actual financial commitment for the project. 100% would equate to the total cost of the project.

Impact Fee Projects										
Garland Pathway (STR-2020-19)										
Matrix Rating	Needs	Justification				Executive Summary				
15	1	Improve the bicycle and pedestrian route and infrastructure for the heavily traveled pathway.				Construct a shared-use path on the north side of Garland Avenue from approximately Cook Street and Shaw Middle School to Market Street.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$65,000	\$450,000	\$0	\$0	\$0	\$0	\$515,000	19%	81%
Estimated Total Project Cost: \$515,000										
Nevada St. / Lincoln Rd. Intersection/Signal Improvements (STR-2020-25)										
Matrix Rating	Needs	Justification				Executive Summary				
15	1	Modify the intersection to increase capacity and accommodate continued traffic growth and demand in the areas.				Modify the eastbound and westbound approaches to provide dedicated left turn lanes. Modify and replace the traffic signal system.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$150,000	\$50,000	\$1,350,000	\$1,550,000	26%	74%
Estimated Total Project Cost: \$1,550,000										
Freya Ave. / Palouse Highway Roundabout (STR-2020-20)										
Matrix Rating	Needs	Justification				Executive Summary				
15	1	Improve intersection capacity to accommodate continued traffic growth related to development.				Reconstruct the intersection as a roundabout.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$25,000	\$0	\$25,000	\$75,000	\$75,000	\$1,300,000	\$1,500,000	40%	60%
Estimated Total Project Cost: \$1,500,000										

Executive Summary Report: New Projects

Street

Impact Fee Projects (continued)

Meadow Lane Rd. / US 195 Intersection (STR-2020-18)

Matrix Rating	Needs	Justification	Executive Summary							
15	1	Intersection improvements are needed to address continued traffic growth along the US 195 corridor and anticipated growth in traffic from continued development in the Eagle Ridge area.	Intersection improvements to address safety and capacity.							
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$10,000	\$50,000	\$165,000	\$1,875,000	\$0	\$0	\$2,100,000	29%	71%
Estimated Total Project Cost: \$2,100,000										

Pedestrian and Bikeways

North River Dr. Sidewalk - East of Washington St. (STR-2020-26)

Matrix Rating	Needs	Justification	Executive Summary							
80	1,2,5,6	A high pedestrian activity corridor that is lacking sidewalk for most of the project limits.	Sidewalk infill from Washington Street to 900' east of Washington Street. Pavement repair and overlay and stormwater improvements within project limits.							
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$151,141	\$1,121,032	\$0	\$0	\$0	\$0	\$0	\$1,121,032	100%	0%
Estimated Total Project Cost: \$1,272,173										

Executive Summary Report: New Projects

Street

Street Capital										
Riverside Ave, Monroe St to Division St (STR-2020-29)										
Matrix Rating	Needs	Justification				Executive Summary				
77	1,4,5,6,8,11,12	This section of roadway and utility infrastructure is deteriorating and is in need of rehabilitation. Vaulted sidewalks at ADA ramps are in need of attention to reduce risk of failure.				Grind and overlay (Wall to Division), restripe (Monroe to Wall), pavement repair, ADA ramps, secure vaulted sidewalks at ADA ramps, bicycle markings, and upgrade signals (w/APS), limited utility replacement. Project to complement Spokane Transit's CCL and implement the Spokane Cultural Trail.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$17,271	\$1,150,000	\$8,970,000	\$2,000,000	\$0	\$0	\$0	\$0	\$10,970,000	100%	0%
Estimated Total Project Cost: \$12,137,271										
NSC - Ralph Street Improvements (STR-2020-4)										
Matrix Rating	Needs	Justification				Executive Summary				
45	1,4,5,12	Ralph Street will be rebuilt as a result of North Spokane Corridor construction. This project allows the City to provide direction to the state prior to reconstruction.				Provide design to Washington State Department of Transportation for rebuild of Ralph Street including traffic calming treatments and roadside swales from Carlisle Avenue to Euclid Avenue and along Carlisle Avenue from Greene Street to Ralph Street.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$209,000	\$0	\$30,000	\$0	\$0	\$0	\$0	\$30,000	100%	0%
Estimated Total Project Cost: \$239,000										

Executive Summary Report: New Projects

Street

Street Capital (continued)										
NSC - Ermina & Greene Signal Changes (STR-2020-36)										
Matrix Rating	Needs	Justification				Executive Summary				
35	1,6,12	Current signal pole is in conflict with future NSC structure.				Relocate the traffic signal pole located on the SE corner of Ermina and Greene. The current signal pole stands 30-33' tall while the future NSC structure clearance at this location is 23'. The scope of this project is to design new intersection signalization while meeting the clearance requirements.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$26,500	\$160,000	\$0	\$0	\$0	\$0	\$0	\$160,000	100%	0%
Estimated Total Project Cost: \$186,500										
NSC - 2nd & 3rd Fiber Reroute (STR-2020-21)										
Matrix Rating	Needs	Justification				Executive Summary				
25	1,12	This project is needed to maintain system operation during and after the realignment of 2nd and 3rd Ave. for the North Spokane Corridor.				Relocate fiber along the realigned 2nd Avenue and 3rd Avenue from Thor Street to Freya Avenue including cabinets and structures as needed to support the North Spokane Corridor 2nd and 3rd Ave. realignment project.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$57,000	\$575,000	\$0	\$0	\$0	\$0	\$0	\$575,000	100%	0%
Estimated Total Project Cost: \$632,000										
Sherman / 5th Ave. Traffic Signal (STR-2020-24)										
Matrix Rating	Needs	Justification				Executive Summary				
25	1,7	Improve intersection capacity and mobility along the 5th Avenue and Sherman Street corridors.				Install a new traffic signal. Install new ADA ramps to current standards.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$10,000	\$90,000	\$900,000	\$0	\$0	\$0	\$1,000,000	6%	94%
Estimated Total Project Cost: \$1,000,000										

Executive Summary Report: New Projects

Street

Street Capital (continued)

12th Ave. - Deer Heights Rd. to Flint Rd. (STR-2020-22)

Matrix Rating	Needs	Justification	Executive Summary							
25	1,7	Improve and increase east-west traffic capacity. Provide an alternative route to Highway 2.	Construct new arterial roadway from Deer Heights Road to Flint Road, connecting to existing 12th Avenue within Airway Heights at Deer Heights Road.							
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$50,000	\$250,000	\$3,700,000	\$0	\$0	\$0	\$4,000,000	1%	99%

Estimated Total Project Cost: \$4,000,000

Vehicle and Equipment

6 wheel Flshr/deicr/plow Freightliner/OMCO 2025 (STR-2020-87)

Matrix Rating	Needs	Justification	Executive Summary							
65	2,5,6	This is a 6 wheel tanker truck used as part of our sweeping team to flush the roadway helping the city meet the PM 10 Air Quality Standard. During the winter it is a deicer/plow truck.	Replacement of an existing 6 wheeled 2200 gallon flusher/deicer/plow following industry standards for replacement. During the winter months this vehicle can operate 24/7 conducting snow and ice control. We review every piece of equipment to determine the proper need when replacing.							
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$0	\$300,000	\$0	\$300,000	100%	0%

Estimated Total Project Cost: \$300,000

Executive Summary Report: New Projects

Street

Vehicle and Equipment (continued)										
Regenerative Air Sweeper TYMCO 2021 (STR-2020-68)										
Matrix Rating	Needs	Justification				Executive Summary				
60	2,5,6	The equipment is used to clean streets and drains and maintain particulate matter (PM) 10 standards.				Replacement of an existing high dump regenerative air sweeper following industry standards for replacement.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000	100%	0%
Estimated Total Project Cost: \$400,000										
10wheel flshr/deicr/plow/OMCO 2026 (STR-2020-71)										
Matrix Rating	Needs	Justification				Executive Summary				
15	5,6	This is a 10 wheel tanker truck used as part of our sweeping team to flush the roadway helping the city meet the PM 10 Air Quality Standard. During the winter it is a deicer/plow truck.				Replacement of an existing 10 wheeled 2200 gallon flusher/deicer/plow following industry standards for replacement. During the winter months this vehicle can operate 24/7 conducting snow and ice control. We review every piece of equipment to determine the proper need when replacing.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$360,000	\$360,000	100%	0%
Estimated Total Project Cost: \$360,000										
2 10 Wheel 10 Yd. Dump Trucks 2024 (STR-2020-69)										
Matrix Rating	Needs	Justification				Executive Summary				
15	5,6	This is a 10 yd dump truck that is used for all Street Department tasks. Plowing in the winter months and hauling gravel, asphalt, grindings and debris during the other months of the year.				Replacement of an existing 10 wheeled, 10 yard dump truck following the industry standard for vehicle replacement. This vehicle is the work horse for the Street Department used for snow plowing and hauling materials. We review every piece of equipment to determine the exact need when replacing.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$725,000	\$0	\$0	\$725,000	100%	0%
Estimated Total Project Cost: \$725,000										

Executive Summary Report: New Projects

Street

Vehicle and Equipment (continued)											
Front End Loader John Deere 2025 (STR-2020-70)											
Matrix Rating	Needs	Justification				Executive Summary					
10	5,6	This is used in on street maintenance crew to load materials. Used in winter to load salt and remove snow.				Replacement of frontend loader used for excavating and snow removal. We review every piece of equipment to determine the proper need when replacing.					
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified	
		2021	2022	2023	2024	2025	2026	Total			
\$0	\$0	\$0	\$0	\$0	\$0	\$376,000	\$0	\$376,000	100%	0%	
Estimated Total Project Cost: \$376,000											
Replacement Street Sweeper 2026 (STR-2020-84)											
Matrix Rating	Needs	Justification				Executive Summary					
10	7	To continue the maintenance of the Street and Bridge infrastructure				Future Equipment replacement					
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified	
		2021	2022	2023	2024	2025	2026	Total			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000	\$400,000	100%	0%	
Estimated Total Project Cost: \$400,000											
Replacement Street Sweeper 2025 (STR-2020-85)											
Matrix Rating	Needs	Justification				Executive Summary					
10	7	To continue the maintenance of the Street and Bridge infrastructure				Future Equipment replacement					
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified	
		2021	2022	2023	2024	2025	2026	Total			
\$0	\$0	\$0	\$0	\$0	\$0	\$400,000	\$0	\$400,000	100%	0%	
Estimated Total Project Cost: \$400,000											

Executive Summary Report: New Projects

Street

Vehicle and Equipment (continued)										
Ford Explorer in 2021 (STR-2020-76)										
Matrix Rating	Needs	Justification				Executive Summary				
5	5	Vehicles are at end of life.				Replace 2 pool vehicles with Ford Escapes				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$32,000	\$0	\$0	\$0	\$0	\$0	\$32,000	100%	0%
Estimated Total Project Cost: \$32,000										
Two Replacement Wausau Sectional Snow Plows 2026 (STR-2020-72)										
Matrix Rating	Needs	Justification				Executive Summary				
5	5,6	One of the main tools used in the snow removal effort.				This is continuing the replacement of worn out 18 year old plows				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000	\$40,000	100%	0%
Estimated Total Project Cost: \$40,000										
6 wheel traffic truck 2026 (STR-2020-66)										
Matrix Rating	Needs	Justification				Executive Summary				
5	5	Traffic truck is used to put out traffic control equipment to complete maintenance activities				6 wheel traffic truck 2026 with flatbed and arrowboard				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000	\$200,000	100%	0%
Estimated Total Project Cost: \$200,000										

Executive Summary Report: New Projects

Street

Vehicle and Equipment (continued)										
1/2 Ton 4x4 Pickup for Signal/Lights in 2022 (STR-2020-83)										
Matrix Rating	Needs	Justification				Executive Summary				
5	5	The pickup is used by the signal/light crew to inspect projects, complete locates and repair of signal and street lights.				1/2 ton 4x4 pickup used to support the signal/light crew.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000	100%	0%
Estimated Total Project Cost: \$40,000										
F450 4x4 Pickup for Signal/Lights in 2022 (STR-2020-86)										
Matrix Rating	Needs	Justification				Executive Summary				
5	5	The pickup is used by the signal/light crew to inspect projects, complete locates and repair of signal and street lights.				F450 4x4 pickup with flatbed and crane				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000	100%	0%
Estimated Total Project Cost: \$75,000										
Chevy C8500 Bucket Truck for Signal/Lights in 2025 (STR-2020-82)										
Matrix Rating	Needs	Justification				Executive Summary				
5	5	The truck is used by the signal/light crew to complete installation and repair of signal/street lights.				Chevy C8500 Bucket Truck replacement for Signal/Lights in 2025				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$0	\$300,000	\$0	\$300,000	100%	0%
Estimated Total Project Cost: \$300,000										

Executive Summary Report: New Projects

Street

Vehicle and Equipment (continued)										
Replace 2 Wausau Sectional Snow Plow 2025 (STR-2020-80)										
Matrix Rating	Needs	Justification				Executive Summary				
0		One of the main tools in snow removal effort				This is continuing the replacement of 18 year old plows				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$0	\$44,000	\$0	\$44,000	100%	0%
Estimated Total Project Cost: \$44,000										
Replace 3 Wausau Sectional Snow Plow 2021 (STR-2020-67)										
Matrix Rating	Needs	Justification				Executive Summary				
0		One of the main tools in snow removal effort				This is continuing the replacement of 18 year old plows				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$66,000	\$0	\$0	\$0	\$0	\$0	\$66,000	100%	0%
Estimated Total Project Cost: \$66,000										

Executive Summary Category Totals							
	2021	2022	2023	2024	2025	2026	Grand Total
Estimated Funding	\$11,484,032	\$2,985,000	\$4,790,000	\$2,825,000	\$1,545,000	\$3,650,000	\$27,279,032
Unfunded / Unidentified	0%	24%	96%	53%	0%	56%	32%
Unfunded / Identified	0%	0%	0%	0%	0%	0%	0%
Funded	100%	76%	4%	47%	100%	44%	68%

WASTEWATER MANAGEMENT DEPARTMENT

Executive Summary Report: New Projects

Wastewater

* This percentage measures the level of actual financial commitment for the project. 100% would equate to the total cost of the project.

Collections Capital										
NSC - Trent Interchange Water, Storm and Sewer Reroute (WWM-2020-9)										
Matrix Rating	Needs	Justification				Executive Summary				
55	1,3,4,6,12	This project will be completed in support of the NSC				Reroute utilities currently in Trent Ave around new NSC Trent Interchange, possibly to include reroutes at Trent/Freya Intersection. The project includes City funds for betterments.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$125,000	\$1,000,000	\$0	\$0	\$0	\$0	\$1,125,000	100%	0%
Estimated Total Project Cost: \$1,125,000										
NSC - I-90 North Sewer Realignment (WWM-2020-16)										
Matrix Rating	Needs	Justification				Executive Summary				
40	1,3,6,12	This project will be completed in support of the NSC				Abandon and relocate sewer as needed to support the NSC Trumpet area and 2nd Ave realignment. Realignment of 18' sewer, 66' sewer and 22' sewer.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$20,000	\$670,000	\$6,900,000	\$0	\$0	\$0	\$7,590,000	100%	0%
Estimated Total Project Cost: \$7,590,000										
NSC - 3rd Ave Sewer Reroute (WWM-2020-17)										
Matrix Rating	Needs	Justification				Executive Summary				
30	1,3,12	This project will be completed in support of the NSC Sprague Ave to Spokane River Phase II project.				Abandon existing sewer in 3rd Ave from Regal to Madelia as needed to support NSC construction. Provide new connections as needed.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$15,000	\$100,000	\$1,150,000	\$0	\$0	\$0	\$1,265,000	100%	0%
Estimated Total Project Cost: \$1,265,000										

Executive Summary Report: New Projects

Wastewater

Collections Capital										
Northeast Lift Station Forcemain (WWM-2020-40)										
Matrix Rating	Needs	Justification				Executive Summary				
20	1,5	This project is necessary because it reduces stagnant sewage in the system. This reduces Hydrogen sulfide in the forcemain which is a health risk.				The project constructs 3,300 feet of 8-inch forcemain from the intersection of Myrtle/Rowan to the Northeast lift station. The existing forcemain is too large. This project will provide a more appropriately sized pipe to more efficiently move sewage from the lift station.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$80,000	\$800,000	\$0	\$880,000	100%	0%
Estimated Total Project Cost: \$880,000										
12th Avenue - Deer Heights to Flint (WWM-2020-38)										
Matrix Rating	Needs	Justification				Executive Summary				
40	1,4,7	This project is necessary to provide sewer service to proposed development on 12th Avenue and future developments north of 12th Avenue.				The project will construct a 12 inch sewer line in 12th Avenue between Deer Height and Flint Roads.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$95,000	\$950,000	\$0	\$0	\$1,045,000	0%	100%
Estimated Total Project Cost: \$1,045,000										

Executive Summary Report: New Projects

Wastewater

Collections Maintenance										
Regal - 42nd to 44th Sewer Replacement (WWM-2020-46)										
Matrix Rating	Needs	Justification				Executive Summary				
35	1,4,5,6	The 8' sanitary lines are deteriorating and have major sags in them causing H2S issues and the need for frequent maintenance to prevent plugging. The increased frequency in cleaning is also causing wear to the pipe.				685' of 8' concrete sewer pipe need to be replaced due to deterioration of pipe and sags within pipe sections. Stormwater Infrastructure may need some upgrades.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$230,000	\$230,000	100%	0%
Estimated Total Project Cost: \$230,000										
Wind River Force Main Replacement (WWM-2020-44)										
Matrix Rating	Needs	Justification				Executive Summary				
20	1,5	Older PVC forcemains are prone to splitting and failure. Replacing these pipes with ductile iron, increases the life expectancy of the forcemain and reduces the risk of the pipes failure and sewerage spilling to ground.				The existing 3200' of 6-inch Plastic (PVC) forcemain and 940' of 4' Plastic (PVC) was installed in 1990. This project will replace this PVC pipe with ductile iron pipe. Approximately 4,100-feet of forcemain will be replaced.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$0	\$150,000	\$1,550,000	\$1,700,000	100%	0%
Estimated Total Project Cost: \$1,700,000										

Executive Summary Report: New Projects

Wastewater

Collections Maintenance (continued)										
Sewer Line Replacement (WWM-2020-39)										
Matrix Rating	Needs	Justification				Executive Summary				
20	1,5,6	As sanitary lines are deterioration and have major sags in them causing H2S issues and the need for frequent maintenance to prevent plugging. The increased frequency in cleaning is also causing wear to the pipe.				Sanitary pipes needing to be replaced due to deterioration of pipe and sags within pipe sections throughout the city.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$180,000	\$180,000	\$230,000	\$590,000	100%	0%
Estimated Total Project Cost: \$590,000										

Collections Vehicles and Equipment										
Heavy Construction Van- 2023 (WWM-2020-30)										
Matrix Rating	Needs	Justification				Executive Summary				
97	1,2,3,6,7,11	To maintain the capacity of the aging wastewater and stormwater collection systems.				This vehicle is used to carry construction equipment, supplies and safety equipment to jobsite for the construction crew to work out of while repairing and rehabilitating our existing sanitary and stormwater collection systems.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$300,000	100%	0%
Estimated Total Project Cost: \$300,000										

Executive Summary Report: New Projects

Wastewater

Collections Vehicles and Equipment (continued)											
Heavy Construction Van- 2026 (WWM-2020-31)											
Matrix Rating	Needs	Justification				Executive Summary					
97	1,2,3,6,7,11	To maintain the capacity of the aging wastewater and stormwater collection systems.				This vehicle is used to carry construction equipment, supplies and safety equipment to jobsite for the construction crew to work out of while repairing and rehabilitating our existing sanitary and stormwater collection systems.					
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified	
		2021	2022	2023	2024	2025	2026	Total			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000	\$300,000	100%	0%	
Estimated Total Project Cost: \$300,000											
Skidsteer - 2026 (WWM-2020-28)											
Matrix Rating	Needs	Justification				Executive Summary					
92	1,2,3,6,7,11	This equipment helps us to maintain the capacity of our aging wastewater and stormwater collections systems				This equipment is used to maintain and rehabilitate our existing sanitary and stormwater collections systems					
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified	
		2021	2022	2023	2024	2025	2026	Total			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000	\$125,000	100%	0%	
Estimated Total Project Cost: \$125,000											
1- 1 Ton Dump Truck 2023 (WWM-2020-27)											
Matrix Rating	Needs	Justification				Executive Summary					
73	1,2,5,11	To maintain, repair and rehabilitate sanitary and stormwater infrastructure				This truck is used for a variety of small construction projects by multiple crews					
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified	
		2021	2022	2023	2024	2025	2026	Total			
\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$100,000	100%	0%	
Estimated Total Project Cost: \$100,000											

Executive Summary Report: New Projects

Wastewater

RPWRF Capital										
Wind River Lift Station Improvements (WWM-2020-64)										
Matrix Rating	Needs	Justification				Executive Summary				
30	1,5,6	The equipment and controls at the lift station are beyond their useful life and need to be replaced.				The project will replace existing pumps, motors and MCCs within the existing station.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$50,000	\$500,000	\$0	\$0	\$550,000	100%	0%
Estimated Total Project Cost: \$550,000										
Francis and Assembly Lift Station Improvements (WWM-2020-65)										
Matrix Rating	Needs	Justification				Executive Summary				
30	1,5,6	The equipment and controls at the lift station are beyond their useful life and need to be replaced.				The project will replace existing pumps, motors and MCCs within the existing station.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$500,000	\$550,000	100%	0%
Estimated Total Project Cost: \$550,000										

Executive Summary Report: New Projects

Wastewater

RPWRF Maintenance										
Silo Digester No. 3 Roof Walkway (WWM-2020-73)										
Matrix Rating	Needs	Justification				Executive Summary				
80	1,2,5,6	The roof of Silo Digester No. 3 currently has no walkway and workers who must access the top on a routine basis must walk on a steep sloped and slippery surface. The surface can also be damaged by the foot traffic. These risks will be eliminated by the addition of a dedicated walkway.				This project will add a dedicated catwalk to the areas of the Silo Digester No. 3 roof that need routine access. This project needs to consider the safety aspect- if someone slips on in bad weather and is seriously hurt will out weigh the cost of this project.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000	100%	0%
Estimated Total Project Cost: \$100,000										
Chemical Storage Building Alum Piping Modification (WWM-2020-75)										
Matrix Rating	Needs	Justification				Executive Summary				
75	1,2,3	The WWTP uses a lot of Alum in the treatment process, and with the membrane filters coming on line it will use even more. The storage tanks are refilled often, and the existing lines are too small to allow this to be done in a timely fashion. Staff must be present during filling operations so reducing filling times will save a significant amount of staff time; saving the City from additional costs. This project will significantly reduce filling times.				This project will replace existing undersized Alum tank filling pipes with larger piping.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000	100%	0%
Estimated Total Project Cost: \$100,000										

Executive Summary Report: New Projects

Wastewater

RPWRF Maintenance (continued)										
Emergency Overflow Modifications for Digesters 4 and 5 (WWM-2020-74)										
Matrix Rating	Needs	Justification				Executive Summary				
70	1,2,5	Digesters can experience a rapid volume expansion of the sludge they contain. Without properly sized emergency overflows this can lead to failure of the digester vessel itself. The existing overflow system does not have the capacity to relieve the pressure of a significant expansion event.				This project would increase the capacity of the emergency overflow system for Digesters 4 and 5. If this project gets moved out there is a risk that could be taken. The overflows were designed to small and if the digester has a rapid volume expansion it would cause explosion of digester.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	100%	0%
Estimated Total Project Cost: \$1,000,000										

Stormwater										
NSC - Trent Interchange Water, Storm and Sewer Reroute (WWM-2020-11)										
Matrix Rating	Needs	Justification				Executive Summary				
55	1,3,4,6,12	This project will be completed in support of the NSC				Reroute utilities currently in Trent Ave around new NSC Trent Interchange, possibly to include reroutes at Trent/Freya Intersection.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$125,000	\$1,000,000	\$0	\$0	\$0	\$0	\$1,125,000	100%	0%
Estimated Total Project Cost: \$1,125,000										

Executive Summary Report: New Projects

Wastewater

Stormwater (continued)										
NSC - Ralph Stormwater Improvements (WWM-2020-2)										
Matrix Rating	Needs	Justification				Executive Summary				
45	1,4,5,12	Construction of North Spokane Corridor creates an opportunity to complete this project to reduce pollution in the Spokane River				Multi-Tier storm swale at base of Ralph Basin to reduce flow to Spokane River.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$130,000	\$0	\$1,150,000	\$0	\$0	\$0	\$0	\$1,150,000	100%	0%
Estimated Total Project Cost: \$1,280,000										
NSC - Greene Basin Storm Improvements (WWM-2020-5)										
Matrix Rating	Needs	Justification				Executive Summary				
30	1,5,12	NSC construction will eliminate the current Greene Basin outflow into Spokane River. Construction of a swale required to infiltrate stormwater.				Install storm swale at North end of SCC campus near Upriver Drive to reduce flow to Spokane River.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$172,000	\$1,724,000	\$0	\$0	\$0	\$0	\$0	\$1,724,000	100%	0%
Estimated Total Project Cost: \$1,896,000										

Executive Summary Report: New Projects

Wastewater

Stormwater (continued)										
CSO 25 Swale Rehabilitation (WWM-2020-45)										
Matrix Rating	Needs	Justification				Executive Summary				
15	1	The project is necessary because standing water creates a health hazard to the public.				Construction of the CSO 25 stormwater swales was completed in 2018. The swales have since experienced plugging, resulting in poor infiltration. This project will construct BMPs to manage the sediment loading that is causing the poor infiltration, as well as rehab plugged portions of the swales.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$200,000	\$0	\$0	\$0	\$200,000	100%	0%
Estimated Total Project Cost: \$200,000										

Executive Summary Category Totals							
	2021	2022	2023	2024	2025	2026	Grand Total
Estimated Funding	\$2,009,000	\$5,120,000	\$8,795,000	\$1,710,000	\$1,180,000	\$2,935,000	\$21,749,000
Unfunded / Unidentified	0%	0%	1%	56%	0%	0%	5%
Unfunded / Identified	0%	0%	0%	0%	0%	0%	0%
Funded	100%	100%	99%	44%	100%	100%	95%

WATER DEPARTMENT

Executive Summary Report: New Projects

Water

* This percentage measures the level of actual financial commitment for the project. 100% would equate to the total cost of the project.

Source Wells and Booster Stations										
Nevada Well Station Rehabilitation (WAT-2020-58)										
Matrix Rating	Needs	Justification				Executive Summary				
55	1,5,6,7,8	This project is necessary for the City to continue to effectively supply water to the low pressure zone.				The existing well station is in need of repair and is beyond its useful life. The station is no longer operating efficiently and is difficult to maintain.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$5,000,000	\$5,500,000	100%	0%
Estimated Total Project Cost: \$5,500,000										
Study - Nevada Well Station Rehabilitation (WAT-2020-52)										
Matrix Rating	Needs	Justification				Executive Summary				
50	1,5,6,8	The Nevada Well Station is one of three well stations providing water to the Low Pressure Zone and is the second largest contributor to this base zone which feed much of the water system. Two of the pumps are older submersible style pumps which are not energy efficient and are very expensive to maintain and have long lead times for repair. All of the aging infrastructure at this station is reaching the end of its useful life and requires rehabilitation for safe reliable and efficient operation. This station is critical for operational flexibility and redundancy to maintain adequate water service.				Nevada Well Station consists of a large caisson well design containing 4 pumps. Two 800 HP vertical turbine pumps and two 400 HP submersible pumps for a total station capacity of 31,000 GPM. The study is required to determine the best method of station rehabilitation.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000	100%	0%
Estimated Total Project Cost: \$200,000										

Executive Summary Report: New Projects

Water

Storage Systems										
Fire Suppression System Upgrades (WAT-2020-35)										
Matrix Rating	Needs	Justification				Executive Summary				
83	1,2,5,7,11	This project is necessary for public safety.				This project will identify and construct fire suppression upgrades throughout the City. These upgrades may include storage system improvements, booster pump/station improvements and transmission main improvements needed to bring existing fire suppression storage deficiencies up to standard.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$270,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$20,270,000	100%	0%
Estimated Total Project Cost: \$20,270,000										
Indian Trail Reservoir Frontage Improvements (WAT-2020-51)										
Matrix Rating	Needs	Justification				Executive Summary				
15	1	The project is necessary as part of the developer agreement.				The project includes frontage improvements on Strong Road at the Indian Trail Reservoir site. These improvements will include paving, sidewalk, curb and landscaping (1/2 width). Extension of transmission mains in Strong and Tessa Ct are also included as well as a culvert in Tessa Ct.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$44,000	\$440,000	\$0	\$0	\$0	\$484,000	100%	0%
Estimated Total Project Cost: \$484,000										

Executive Summary Report: New Projects

Water

Vehicles and Equipment										
Upriver Vehicles and Equipment (WAT-2020-53)										
Matrix Rating	Needs	Justification				Executive Summary				
15	1	Replacement of aging fleet vehicles for reliability and safety. Current vehicles are reaching the end of useful life and are showing increased maintenance costs.				Replacement of Operator Trapline Vehicle and water quality sampling vehicle 2021. Replacement of 2 Mechanics work trucks 2022. Replacement of Chlorine Truck, Water Quality Coordinator Vehicle, Superintendent vehicle 2023.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$160,000	\$200,000	\$260,000	\$0	\$0	\$0	\$620,000	100%	0%
Estimated Total Project Cost: \$620,000										

Water Mains										
NSC - Trent Interchange Water, Storm and Sewer Reroute (WAT-2020-7)										
Matrix Rating	Needs	Justification				Executive Summary				
60	1,3,4,6,12	This project will be completed in support of the NSC				Reroute utilities currently in Trent Ave around new NSC Trent Interchange, possibly to include reroutes at Trent/Freya Intersection. The project includes betterments that will be funded by the City.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$125,000	\$1,000,000	\$0	\$0	\$0	\$0	\$1,125,000	100%	0%
Estimated Total Project Cost: \$1,125,000										

Executive Summary Report: New Projects

Water

Water Mains (continued)										
NSC - 3rd Ave Water Reroute Regal to Havana (WAT-2020-14)										
Matrix Rating	Needs	Justification				Executive Summary				
40	1,3,6,12	This project will be completed in support of the NSC				Remove and relocate water mains in new 3rd alignment as needed to support the NSC 3rd Ave realignment from Regal St to Havana St.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$10,000	\$160,000	\$1,725,000	\$0	\$0	\$0	\$1,895,000	100%	0%
Estimated Total Project Cost: \$1,895,000										
NSC - 2nd Ave & 3rd Ave Water Reroute West (WAT-2020-12)										
Matrix Rating	Needs	Justification				Executive Summary				
40	1,3,6,12	This project will be completed in support of the NSC				Remove and relocate water mains as needed to support the NSC 2nd and 3rd Ave realignments from Perry to Regal. Install new 48' transmission main in 3rd Ave from Lacey to Liberty Park. This 48-inch pipe is a betterment and will be funded by the City.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$20,000	\$580,000	\$6,000,000	\$0	\$0	\$0	\$6,600,000	100%	0%
Estimated Total Project Cost: \$6,600,000										
NSC - Trumpet Area Water Reroute (WAT-2020-13)										
Matrix Rating	Needs	Justification				Executive Summary				
40	1,3,6,12	This project will be completed in support of the NSC				Remove and relocate water mains as needed to support the NSC Trumpet area construction including the area from I-90 to Sprague and Lacey to Freya. Install new 48' water transmission main from intersection of Freya & Alki to 3rd Ave & Lacey. The 48' pipe is a betterment and will be funded by the City				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$37,000	\$885,000	\$9,225,000	\$0	\$0	\$0	\$10,147,000	100%	0%
Estimated Total Project Cost: \$10,147,000										

Executive Summary Report: New Projects

Water

Water Mains (continued)										
12th Avenue - Deer Heights to Flint (WAT-2020-37)										
Matrix Rating	Needs	Justification				Executive Summary				
40	1,4,7	The project is necessary to serve future development north of 12th Ave with the retail service area.				As part of the new street construction, this portion of the project will include installation of an 18-inch water main to serve the proposed developed area north of 12th Ave.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$15,000	\$125,000	\$0	\$0	\$140,000	0%	100%
Estimated Total Project Cost: \$140,000										

Water Maintenance										
Chlorine Analyzer Replacement (WAT-2020-47)										
Matrix Rating	Needs	Justification				Executive Summary				
65	1,2	The CL17 Chlorine Analyzers which monitor chlorine residual in the water system are reaching the mandated expiration date and require replacement.				Replacement of all CL17 Chlorine Analyzers over a two year period.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$75,000	\$75,000	\$0	\$0	\$0	\$0	\$150,000	100%	0%
Estimated Total Project Cost: \$150,000										

Executive Summary Report: New Projects

Water

Water Maintenance (continued)										
Upriver Dam Spillway Rehabilitation Phase 4 and 9th Part 12D (WAT-2020-50)										
Matrix Rating	Needs	Justification				Executive Summary				
65	1,2	This project is designed to rehabilitate the spillway so it will remain in safe operating condition.				The Spillway at Upriver Dam is a concrete structure that requires repair and rehabilitation to remain safe and functional. The study will include the FERC regulatory requirement for the Upriver Dam 9th Part 12D study that must be performed by a third party Consultant.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$0	\$0	\$650,000	\$5,000,000	\$5,650,000	100%	0%
Estimated Total Project Cost: \$5,650,000										
Rebuild Generators #4 and #5 in Powerhouse #2 (WAT-2020-48)										
Matrix Rating	Needs	Justification				Executive Summary				
15	1	These generators has not been rebuilt in over 30 years. This project will increase asset life while improving performance and power generation.				Rebuilding of generators #4 and #5 in powerhouse #2 at Upriver Dam.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$0	\$0	\$300,000	\$3,000,000	\$3,000,000	\$0	\$6,300,000	100%	0%
Estimated Total Project Cost: \$6,300,000										

Executive Summary Report: New Projects

Water

Water Maintenance (continued)										
Powerhouse #2 Trash Rake (WAT-2020-49)										
Matrix Rating	Needs	Justification				Executive Summary				
15	1	The existing Trash Rake is in disrepair and presents a safety hazard and requires replacement. The trash rake is a necessary component of the operational system to ensure safe and efficient operation of the powerhouse.				Replace trash rake for Powerhouse #2 at the Upriver Dam.				
Prior Spending	2020	Estimated Funding							Percentage Funded*	Percentage Unfunded and Unidentified
		2021	2022	2023	2024	2025	2026	Total		
\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000	100%	0%
Estimated Total Project Cost: \$1,000,000										

Executive Summary Category Totals							
	2021	2022	2023	2024	2025	2026	Grand Total
Estimated Funding	\$1,627,000	\$3,214,000	\$22,965,000	\$8,125,000	\$9,150,000	\$15,000,000	\$60,081,000
Unfunded / Unidentified	0%	0%	0%	2%	0%	0%	0%
Unfunded / Identified	0%	0%	0%	0%	0%	0%	0%
Funded	100%	100%	100%	98%	100%	100%	100%