

PW 2022 KEY PROGRESS

PW 2022 Project Accomplishments

PW 2022 Cost Saving / Cost Recovery

Current & Upcoming Projects



SUMMER PAVING AND TRENCH PATCHING

- The summer of 2022 saw the first major paving project in the City since 2017. Streets paved were 1,380LF of Old Portland Rd from Port Avenue to 100 feet west of the Bridge; 350LF of N 7th Street at Columbia Blvd; 655LF of Milton Way from Columbia Blvd to Bridge; 925LF of McBride St from Matzen St to Maplewood Dr. The project also included approximately 2,500 SF of trench patching.
- One new feature the Engineering Division has adopted in paving project is to ensure that at least two to three small local streets are paved with the major paving street paving so that local streets are not ignored year after year and allowed to fall apart.
- The project plans and specifications were developed by Engineering Division staff.
 The project contractor was TFT Construction, based in Scappoose.







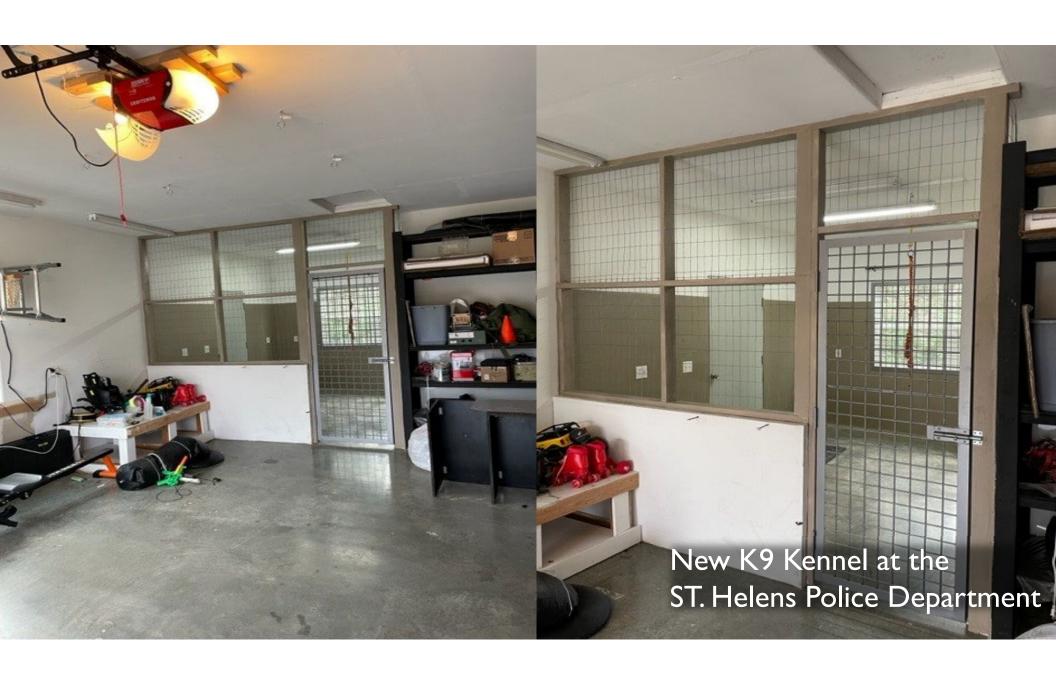


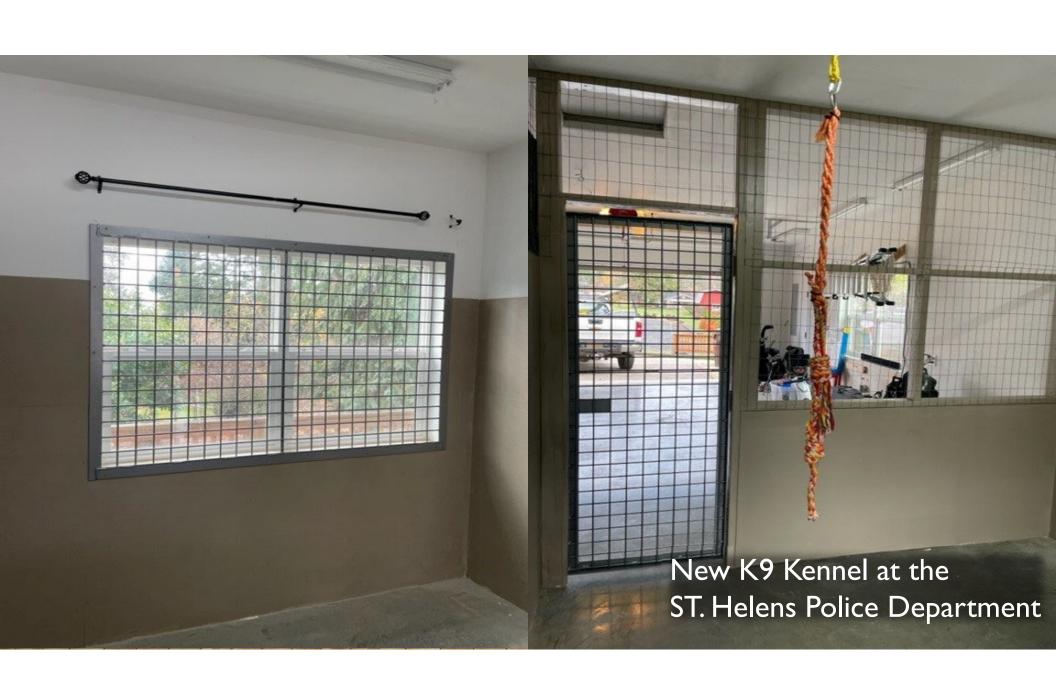
IMPLEMENTATION OF THE MERCURY TMDL PLAN

- The City's Mercury TMDL Implementation Plan for the Willamette Watershed went into effect September 3, 2022.
 The first report of the City's activities required in the plan is due to DEQ in June 2023.
- The City's internal team met this fall to discuss implementation steps. The internal team includes staff from Public Works Engineering, Operations, Water Quality, Facilities, Planning Division, and Communications.
- Currently we have begun tracking all street sweeping, cleaned catch basins, and the first public stormwater pollution awareness brochure is being developed.

NEW K9 KENNEL ST. HELENS POLICE DEPARTMENT

- Home for the new K9 dog that will be arriving middle of next month.
- 5 Days Project Duration.
- This was all done for around \$900 dollars.
- Facilities Maintenance team built the doors and window covering,
- Installed plywood on the walls and built the walls that have wire openings.
- SHPD K-9 officer was very pleased with the project outcome.
- Great cost saving through collaborative teamwork, leveraging internal resources & expertise.





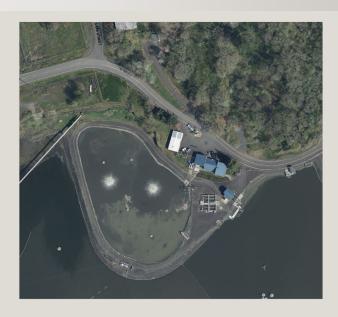


PW COST SAVINGS / COST RECOVERY

ENGINEERING COST SAVINGS ON CAPITAL IMPROVEMENT PROJECT

WWTP Influent Flowmeter

- The 2021 Wastewater Master Plan Update revealed that the current influent flow
 measurements at the WWTP are not being reliably measuring peak flows during
 high flow events because typically during high flow events the plant operators must
 open the headworks to bypass the channel.
- The project aims to construct an influent flowmeter to that has the capability to accurately measure peak flows to ensure the City can accurately track system flows, including Inflow and Infiltration, over time.
- The project was budgeted at \$68,000.
- Lowest bid price came in at \$129,800.
- All bids were rejected, and the decision was made to perform the project in-house.
 The project is in progress and is a team effort between PW Engineering and Operations
- The final project savings is estimated to be over \$84,000!





CHEMICAL BUILDING WATER FILTRATION COST SAVINGS

- This is an example of cost savings by having the City's skilled craftsman, Roger Stauffer, build a chemical building for a fraction of the cost that a contractor would have charged. The work included the construction of the new concrete sidewalk with help from PW Operations. The new building houses the chlorine pumps at the Water Filtration Facility.
- Project Cost Saving: \$10,000.
- Project Duration: One Week.



HOW UPDATING AND CHARGING ENGINEERING FEES CONSISTENTLY HAVE IMPACTED BUDGET

- FY 7/2018 6/2019 Engineering Fees brought in \$35,945
- FY 7/2019 6/2020 Engineering Fees brought in \$59,397
- FY 7/2020 6/2021 Engineering Fees brought in \$11,690
- FY 7/2021 6/2022 Engineering Fees brought in \$84,196
- FY 7/2022 6/2023 Engineering Fees brought in \$154,320 (and counting!).

23% increase in funds in just the past year.

ENGINEERING COST RECOVERY





CURRENT & UPCOMING PROJECTS

S. I ST. & STRAND STREET EXTENSION PROJECT IN CONSTRUCTION

- Major Contract Cost Saving:
- Construction Management fees reduced from \$1,038, 946.55 to \$486,263.25
- Construction Management & Inspection.
- Current Project Saving: \$200k Per year.

ORIGINAL CONTRACT

Otak, Inc.	Mayer Reed	Leeway	Grayling	DKS NV5		Grayling DKS NV5 Total Ho		Total Hours	Total Budget by Task
660						660	\$87,740.00		
56				4		60	\$9,530.00		
1664						1664	\$226,034.00		
476	284	163	222	159	24	1328	\$202,631.00		
2509	30	40	56		155	2790	\$393,412.00		
148	71	12	72	33	53	389	\$53,021.00		
72				18		90	\$13,518.00		
5585	385	215	350	214	232	6981			
\$775,495.00	\$49,560.00	\$33,316.00	\$60,788.00	\$34,975.00	\$31,752.00		\$985,886.00		
\$10,474.00	\$300.00	\$297.00	\$27,434.00	\$336.00	\$3,700.00		\$42,541.00		
\$10,519.55							\$10,519.55		
\$796,488.55	\$49,860.00	\$33,613.00	\$88,222.00	\$35,311.00	\$35,452.00		\$1,038,946.55		



NEGOTIATED CONTRACT

Otak, Inc.	Mayer Reed	Leeway	Grayling	g DKS NV5 Total Hou		Total Hours	Total Budget by Task	
400						400	\$51,776.00	
38				4		42	\$6,676.00	
258						258	\$36,092.00	
276	226	91	216	102	32	943	\$150,295.00	
879	20	16	42		51	1008	\$145,855.00	
108	71	8	72	33		292	\$39,330.00	
70				18		88	\$13,094.00	
2029	317	115	330	157	83	3031		
\$286,553.00	\$39,305.00	\$20,352.00	\$57,320.00	\$25,655.00	\$13,933.00		\$443,118.00	
\$3,400.00	\$150.00	\$297.00	\$27,434.00	\$336.00	\$3,700.00		\$35,317.00	
\$7,828.25							\$7,828.25	
\$297,781.25	\$39,455.00	\$20,649.00	\$84,754.00	\$25,991.00	\$17,633.00		\$486,263.25	



PROJECT TIMELINE (NOVEMBER 2021–SEPTEMBER 2024)

\$552,683 Contract Negotiation Net Saving.

\$200 K per year saving – Additional Construction Management

Weekly Project Meetings throughout project life-cycle

Ramping up starting January.

Project Schedule end of 2022



Moore Excavation, Inc. (MEI Group) 3-Week Look-Ahead Schedule St Helens 1st Stree - Stand St Rd Utilities Extention P-525 -1St St P-525 & R-685				Three	(3) We	ek Lool	-Ahea	d																	
3-Week Look-Ahead Schedule St Helens 1st Stree - Stand St Rd Utilities Extention P-525 -1St St				1	EN-							Three (3) Week Look-Ahead													
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	-525 & R-685 4696			5	eccce L	ook-Ahe	ad Sche	dule Star	t Date																
Rev Date:	Decxember 12 ,2022		M	T	w	T	F	S	S	M	T	w	T	F	S	S	M	T	w	T	F	S			
				12/13	12/14	12/15	12/16	12/17	12/18	12/19	12/20	12/21	12/22	12/23	12/24	12/25	12/26	12/27	12/28	12/29	12/30	12/31			
Subcontractor/Supplier/Utility Scheduling																									
Erosion Control - MEI	200		X	X	X	x	X			x	x	x	x	x			x	x	X	x	x				
														1											
Submittals - On going			×	x	x	x	x			x	x	X	x	×			x	x	x	x	x				
Project Maintenance			x	X	X	X	X			X	X	X	x	X			x	X	X	X	X				
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Info/Authorization for Work						Material supply/delivery coordinate Notice/communications coordinated																			
Survey/Staking Coordinated Locates Requested and Current Safety Planned Coordinated (JHA)							Material supply/delivery coordinate Personnel/Equip coordinated Hauling/Disposal coordinated OA/QC and inspections coordinated																		

UPCOMING PUBLIC WORKS PROJECTS

- Sanitary Sewer Capacity Upgrades Three Basins/Three Projects (CWSFR Loan, One-Stop CBDG Grant) to fund projects
- Engineering Manual update
- City Standard Details for Construction update
- New CAD Standards manual to ensure the CAD files received from Developers and Engineers are consistent with Engineering Division format
- Salmonberry Recreation Reservoir Water Rights Renewal
- Repair of the 2MG Reservoir

THANK YOU

