City of Pateros, Public Works & Parks February 2022 – Report to City Council

By City Administrator/ Public Works Supervisor Jord L. Wilson, MLA



Public Works Team
Mike Lambert – Wastewater
David Hunter – Water/Streets
Ryan Sisler – Parks
Dalton Heller – PW/Parks

ADMINISTRATIVE

January/February has been productive months for public works. The public works shop restroom had a significant leak, and repairs to the room was required and completed. Department vehicles were serviced, larger vehicles will be serviced in the summer, as they won't fit in our shop. With the shuffle in positions this winter, and sit-down with the Mayor, I have also updated the general work week schedule. The crew did get the hydrants and meters thawed out. We had one meter break, due to freezing. January and February we do a lot of planning and coordination for the 2022 projects, including the Winter Barn Project; Pesticide Program; Street Chipseal/Seal Crack Projects; and the Sewer Plan Update with manhole inspections.

	PW GENERAL WEEKLY SCHEDULE									
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY					
7:00	STAND-UP MEETING	CHECK EMAIL/WOs	CHECK EMAIL/WOs	CHECK EMAIL/WOs	STAND-UP MEETING					
7:15	CHECK EMAIL/WOs	START MORNING ROUNDS	START MORNING ROUNDS	START MORNING ROUNDS	CHECK EMAIL/WOs					
7:30	START MORNING ROUNDS	MORNING ROUNDS	MORNING ROUNDS	MORNING ROUNDS	START MORNING ROUNDS					
8:00		WORNING ROONDS	WORNING ROUNDS	WORNING ROONDS	DEPARTMENT DETAIL					
8:15			STAND-UP MEETING	STAND-UP MEETING						
8:30		WEEKLY TEAM MEETING								
9:00	DEPARTMENT DETAIL									
9:30	DAY				DAY					
10:00	DAT		TEAM PROJECTS	TEAM PROJECTS						
10:30		TEAM PROJECTS								
11:00										
11:30										
12:00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH					
12:30										
1:00	DEPARTMENT DETAIL				DEPARTMENT DETAIL					
1:30		TEAM PROJECTS	TEAM PROJECTS	TEAM PROJECTS	DAY					
2:00	DAY				DAY					
2:30										
3:00	COOL BOWN	COOL BOWN	COOL BOWN	COOL DOWN	COOL DOWN					
3:30	COOL DOWN	COOL DOWN	COOL DOWN	COOL DOWN	COOL DOWN					

STAND-UP MEETING	10-15 minute meeting at Public Works to address: heads-up issues; project coordination; & priorities and goals of					
	the day.					
CHECK EMAIL/WOS	Email and Work Orders (Wos) are to be checked daily.					
START MORNNG ROUNDS	Morning Rounds are to be started each morning between 7:15 and 7:30					
MORNING ROUNDS	Tue - Wed morning rounds are to be completed by 8:15 so team projects can get start					
WEEKLY TEAM MEETING	Weekly team meeting: Weekly tasks, department progress reports, safety meeting, priorities, issues					
DEPARTMENT DETAIL DAY	Department Detail Days are to: maintain department; catch up from weekend; prepare for weekend; detail					
DEPARTIMENT DETAIL DAY	department facilities and equipment; & prep for the weeks team projects.					
LUNCH	Half hour scheduled lunch					
TEAM PROJECTS	Projects that are more efficient with more than 1 person. Examples: hydrant flushing and testing, street striping,					
TEAIVI FROJECTS	drying bed cleanup & pesticide spraying.					
	Wrap up for the day; clean and put away equipment; follow up on email and phone calls; clean and organize vehicle					
COOL DOWN	for next work day.					

GRANTS, PLANNING, ECONOMIC DEVELOPMENT & PROJECTS

<u>Water System Improvement (Final Tasks)</u> – Plan to have Scope of Work and Amendment ot Varela's engineering contract ready for March Council.

<u>Welcome Center Project</u> – Presenting outline of project to February Council including (1) aesthetic and stormwater landscape plan for Commercial Avenue, (2) Removal of large panel sign and message center to be replaced by large recreation sign, (3) improvements to breezeway and construction of steel pergola structure, and (4) large kiosk/community board in Mall.

<u>Capital Improvement Plan</u> – The CIP Survey has been closed. Kurt and I will begin drafting plan.

<u>Shoreline Master Plan</u> – Kurt has drafted a Public Participation Plan and Survey. We plan to kick-off the public participation and data gathering part of the plan in April.

General Sewer and Wastewater Facilities Plan (GSWFP) – Dan and Nate, of Varela Engineering, met with the City on 2/9/2022 for about five hours. Kerri and I provided data and discussed strategies for projecting future sewer needs for the city. We also toured all the facilities looking at sewer manholes, lift stations, and the treatment plant. We discussed challenges of our system. The goal is to draft a plan that has realistic projections of our growth and facility needs and how to prioritize those needs.

<u>TIB Warren Street Sidewalk Grant</u> – The City is accepting bids for the project. The bid opening will be virtual at 1:00pm on February 24th. If approved, construction of the project would be in 2022.

This project will provide street and pedestrian facility improvements along Warren Avenue from about Chris Street to the Tennis Courts, including the following:

- Removal of approximately 1670 SY of asphalt pavement.
- Approximately 1,600 LF of new curb & gutter.
- Approximately 580 SY of new sidewalk and 590 SY of cement concrete driveways (separated sidewalk with pedestrian landscape buffer).
- 6 ADA curb ramps and 6 crosswalks
- Approximately 800 SY of bio-infiltration swales.

<u>2022 Chip Seal/Crack Seal Project</u> – The Warren Avenue Seal Coat Project has changed. I'm still waiting on final approval from TIB, but it is expected in 2022 all city streets will be crack sealed and a significant amount chip sealed (see attached plan).

<u>Winter Barn</u> – Met with fabricator for installing side bracing for building. Metal has been ordered. He should be done within the next month to install and weld final bracing. Painting the storage containers will be next.

PUBLIC WORKS

JAN/FEB ACTIVITIES

- ✓ Holiday banners removed
- ✓ Holiday lights removed as snow melts.
- ✓ Thawing meters & hydrants
- ✓ Repair frozen meter
- ✓ Service vehicles and equipment completed for 2022, except large equipment
- ✓ Public Works restroom repair from leaking roof. New sheetrock, paint and sink installed.
- ✓ 2022 project planning
- ✓ First aid cards
- ✓ Purchased steel for Winter Barn
- ✓ Plan for 2022 weed/pest management

FEB /MAR PLANNED ACTIVITIES

- ❖ First Aid Card (David & Ryan)
- Sign inventory
- ❖ Prune trees in Mall replace LED bulbs in trees.
- ❖ Install steel bracing on Winter Barn
- ❖ Paint Winter Barn storage containers in preparation for setting roof.
- Depending on weather start opening restrooms and turning on irrigation.
- Spring cleanup of landscapes

WATER DEPARTMENT

We had at least one water meter break this winter. With the new system, we were able to alert several homes of leaks during the winter months. Meters actually were read all winter,

with only a few instances of failed reads due to snow.

1st QUARTER									
PUBLIC WORKS PERPETUAL (%	✓			
JANUARY	WK 1	WK 2	WK 3	WK4					
Snow Removal					ONGO	DING			
Inventory					*				
Take down holiday lights & banners					50		Waiting for snow		
fire extinguisher yearly inspection					0	L	March		
Annual safety review & Update/Safety					MAR	CH			
FACILITY MAINTENANCE									
City Hall					✓		Completed		
Public Works Facilities					>		scheduled work		
Park Facilities					✓		and PW		
Water Facilities					✓	✓ restro			
Sewer Facilities					✓	remo			
SERVICE VEHICLES AND EQUIPMENT									
Parks					>				
Water					>		Completed department		
Sewer					>		vehicles.		
Street					>				
Schedule Lab Equipment Calibration					>		Scheduled		
Schedule Lab Accredidation Performance					>		Scheduled		
FEBRUARY	WK 1	WK 2	WK 3	WK4	%	✓			
Snow removal					ONGO	DING			
							Inventory		
Sign Inspection/Inventory					10		Started/Inspecti on 2023		
Sign hispection/inventory					10		Training		
							complete/suppli		
Start Pesticide Program					25		es and product		
Tree Pruning					0		ordered.		
Playground Safety Inspection					0		Started		
Spring Cleanup of landscape beds					20				
FACILITY MAINTENANCE		L	L		20				
City Hall	П	1	<u> </u>		0	Π			
Public Works Facilities					0		•		
Park Facilities					0		Completed for		
Water Facilities					0		2022		
Sewer Facilities			-		0		•		
SERVICE VEHICLES AND EQUIPMENT				<u> </u>	U				
Parks			Г	Г	0		1		
Water					0				
Sewer				-	0		Completed for 2022		
Street									
Street					0				
MARCH	WK 1	WK 2	WK 2	WK4	%	7			
Spring Cleanup of landscape beds	WK 1	VVR Z	VV N 3	****	20	ř			
Meter Inspection Street Inspection					0	/			
Street hispettion			\vdash		100	ř	Ordered		
Street Sweeping					10		Equipment		
Manhole Inspection					10		Started		
Put Tennis Court Nets Up					0				
Aerate & fertlize lawns					0				
Open park restrooms	1				0				
Startup irrigation systems					0				

Varela and I met with Ecology regarding water rights. It appears that we have a green light on the requested increase in water rights. We have asked for some relief in fees, and that is being discussed by Ecology as we move forward in the process.

JANUARY		2022 WATER PF						PRODUCTION				
	2018	2019	2020	2021	2022		2018	2019	2020	2021	2022	
Jan	1,797,800	2,121,438	2,036,291	2,277,596	2,673,280	Jul	17,454,000	18,968,280	16,601,532	19,584,242		
Feb	1,552,000	2,056,813	1,946,743	2,057,440		Aug	14,152,900	16,600,547	16,750,284	15,522,640		
Mar	1,778,900	2,260,796	2,373,833	2,133,860		Sep 10,192,700		8,729,598	12,227,228	11,318,457		
Apr	2,963,400	4,503,629	6,608,729	6,062,448		Oct	6,663,600	4,690,568	5,526,800	6,718,040		
May	9,611,300	12,892,999	10,446,235	11,714,756		Nov	2,076,600	2,178,552	1,961,332	2,909,658		
Jun	13,457,700	16,082,186	13,249,332	15,794,652		Dec	1,867,529	1,918,369	1,943,276	2,196,784		
Year to Date Total	2018	2019	2020	2021	2022		Pum	p Station #3		2,673,280		
Gallons	1,797,800	2,121,438	2,036,291	2,277,596	2,673,280		Pun	p Station #4		-		
	_	_	_	_	Weter Oue	lity Tosting	_	_	_	_	_	
Coliform Tes	Water Quality Testing Coliform Test This is an indicator test for total coliform (good and bad). The presence of coliform in a sample indicates the need for further testing											
12/16/	2021		2 Tests	C	oliform abse	nt						
Chlorine Mo	nitoring		A target residual of 0.3-0.5 (min. 0.2) used to control microbes *As part of routine m is immediately increased for all chlorine tests results below 0.2 to meet the									
12/1-12/30		Month Median of 0.27	Daily samp	es Mon-Fri	furthest point	Chlorine Level in system. Targ 0 (4.0 State MC	get levels 0.3 -					
Manganese 1	Гesting	Historic Highs from old wells 0.2-0.7 & DOH S							Next schedule manganese test			
Location		Date	Most C	Most Current		Average High		Low	Median Pump station #3		#3 February	
Pump Station #3		09/10/21	0.00	010		0.00115	0.01207	0.00010 0.00016		Downtown Pu Ma	•	
Pump Station #4		09/10/21	0.66	800		0.12412			0.09879	muy		

SEWER DEPARTMENT

Lab accredidation and equipment calibration has been scheduled for March. We are surveying manholes for the Sewer Plan and investigating infiltration, especially from transmission mains that are below ground water. The plant has run relatively smoothly this winter.

City of Pateros Sewer Department										
	Permi	tee: Pateros I			VA0020559	Operator: Mike Lambert				
2022 Wastewater Processed in Gallons										
2019		2020	2021	2022		2019	2020	2021	2022	
January	1,267,300	1,458,000	1,549,650	1,619,500	July	1,580,000	1,663,000	1,769,300		
February	1,136,000	1,342,700	1,444,200		August	1,415,100	1,494,200	1,674,400		
March	1,284,500	1,299,500	1,202,300		September	1,496,300	1,457,100	1,498,100		
April	1,741,500	1,239,700	1,272,000		October	1,611,290	1,419,900	1,478,900		
May	1,427,400	1,489,000	1,611,900		November	1,442,200	1,311,700	1,397,500		
June	1,448,900	1,488,700	1,771,300		December	1,433,100	1,227,900	1,627,900		
Year To Da	Year To Date Totals		2020	2021	2022 % of cha		nge YTD	28%		
Gallons P	Gallons Processed		1,458,000	1,549,650	1,619,500 compared		l to 2019			
			Wastev	vater Efflu	ent Monit	oring				
Total BO	D 5-day	Organic Loading Rates (Permit Range ≥ 85%)			Fecal Colifo	rm Bacteria	(Permit Range Weekly ≤ 100 ; Monthly ≤ 200			
	Weekly Test	4 - Tests	99% re	emoval	Monthly Geometric Mean		4-tests	7.7		
TS	TSS		Total Suspended Solids, non organics (Permit Range ≥ 85%)			Disolved Oxygen		Daily – Report Only		
	Weekly Test		95% removal		Daily Test		Mon-Fri	7.6 Max		
рН		(Daily min/max permit range			Te mpe rature		Daily – Report Only			
		equal/between pH 6 and pH 9					Average Degree Celcius			
Wee	Weekly Minimum		6.	6	Daily	Test	Mon-Fri	11		
Weekly Maximum		Mon-Fri	7.	3	Amonia (R	eport only)	1 sample	1/19/2022	0.07	

STREET DEPARTMENT

2022 is shaping up to be a very busy year for the Street Department. Jonathan at TIB has been helping me get the most out of our TIB chip seal funds. We had planned to a very small segment of Warren from Dawson to Watson Draw and Augusta Street this year. However, if we contract with the County, I can get considerably more done, as shown in the map below. It will require a little more work from our crew prepping the roads. We had planned on purchasing a thumb for the backhoe but decided to postpone and purchase a push broom to help us get ready for the planned street projects. We are also purchasing a curb brush to help us keep the street gutters clean.

The Warren Avenue sidewalk project from about Chris Street to the Tennis Courts is also planned for 2022. Bids for the project are due, electronically, on February 24th.



PARKS & RECREATION

- Dalton passed his pesticide license test first time. Excellent job. We have been working on a pesticide plan for this year. The City has over eight acres of parks and miles of right-of-way (ROW). Pesticide-use is just one of the tools we use in maintaining landscapes and ROWs. Our two main goals:
 - <u>Use as few pesticides as possible.</u> We don't spray on schedule; we spray as required. For example, we only spray for dandelions in the parks when the yellow flowers exceed the green and begin doing damage to the quality of the turf. We don't spray, just to spray.
 - <u>Use the safest pesticides as possible.</u> We adjust our products yearly. We are required to maintain Continuing Education Credits and keep current on product use. We don't want to expose ourselves, our community, our pets, and our environment to unnecessary products. We always follow mixing and safety instructions.