

JULY 2024

PUBLIC WORKS
MONTHLY
REPORT



**TWO
RIVERS**
WISCONSIN

ENGINEERING

ROOSEVELT AVENUE



All sanitary sewer and water main work, private sanitary laterals and water services have been completed along the project limits. The contractor was working on mainline storm sewer and storm laterals throughout the project. Contractor was hoping to complete the storm sewer work by the end of the week of August 5th and then will transition over to grading and graveling of the roadway with paving to follow.



Engineering Cont'd

SANDY BAY HIGHLANDS PHASE 3

Bids were opened in July. Recommendation to award to Advance Construction was prepared and presented to Council.

This phase of construction to include underground utilities, roadway grading & graveling, along with the initial construction of stormwater features.

Construction is not anticipated to begin until after the Manitowoc County Parade of Homes which is September 12-14, 2024.

First portion of Orchard Lane and Rawley Court to be accessible before Thanksgiving. The remainder of Orchard Lane and approximately 600 feet of Sandy Ridge Drive from Orchard Lane to be completed by June 15, 2025.

Washington Bridge Pedestrian Accommodations



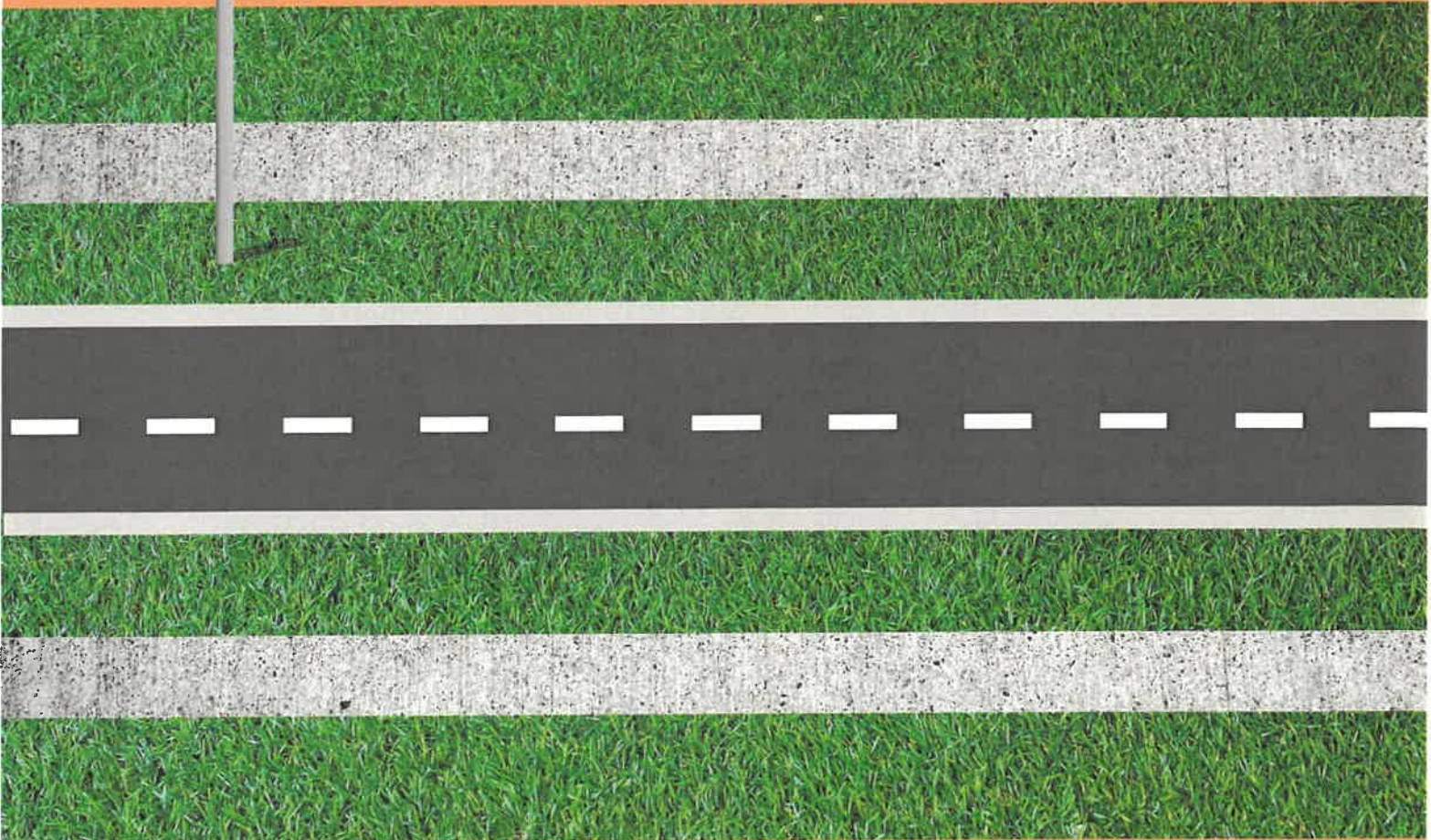
Received some positive news regarding the pedestrian accommodations in that WDOT is allowing the City to do the work. Anticipated work to begin the week following Labor Day (September 9).

PUBLIC WORKS

BROWNS DRIVE

Browns Drive

Public Works Street section crews have been working on the curb and gutter on the unfinished portion of Browns Drive to provide a full width roadway for Braun's Truss Manufacturing facility that is under construction.



WASTEWATER

PLANT OPERATIONS

The new WPDES permit was issued effective August 1, 2024, and expires July 31, 2029.

Previous discharge limits remain unchanged. Summer fecal coliform monitoring has been replaced with yearlong E. coli monitoring two times per week and a limit of 126 #/100 ml expressed as a geographic monthly mean.

We will now be required to monitor plant effluent quarterly for nitrogen, nitrite & nitrate bimonthly for PFOS & PFOA. Digested sludge will be required to be monitored annually for PFOA & PFOS. The facility will be required to submit a report by 7/31/2025 on effluent PFOS & PFOA concentrations and a final report of trends the following year.

Beginning in January 2027 to December 2027 monitoring for chloride and total arsenic has been added to this permit most likely to determine future permit requirements.

We will also be required to submit a revised CMOM program by 10/31/2024 and a comprehensive sludge management plan by the end of the year.

We additionally need to designate a person as the operator-in-charge (OIC) for the sanitary sewage collection system.

The monitoring will be used to determine future permit discharge limits.



2024 Public Works/WWTP Tracking		2024		2023	
		July	Year-to-Date	July	Year-to-Date
ENGINEERING 2024					
	Landfill Leachate Pumpage (gallons)	779,158	5,462,431	349,926	4,729,796
scott	Precipitation	1.41	22.19	2.83	16
sue	Number of Encumbrance property checks	36	173	29	153
scott/bill	Digger's Hotline Locates	114	716	141	636
STREET DIVISION 2024 (Manhours)		July	Year-to-Date	July	Year-to-Date
53200	Shop/Vehicle Maintenance	466.00	4,523	673.00	4,081
53300	Street Maintenance	2.00	198	129.25	494
53310	Street Cleaning	107.50	642	87.00	325
53320	Street Signs/Painting	164.50	893	85.50	774
53330	Snow & Ice		1,536		2,597
53337	PT Snowplowers				71
53380	Bridge - maintenance		3		
53381	17th Street Bridge opening	13.00	210	18.00	219
53620	Refuse/Garbage			0.50	1
53625	Recycling/Leaf Collection		48	4.00	15
53640	Weed Cutting	127.00	308	113.25	122
53650	Work for Others	482.75	2,447	616.75	2,400
53700	Landfill Maintenance		14	100.00	121
53710	Landfill Sampling		11		13
*****	PBS Sewers	5	24	4	22
*****	Salted Streets		8		20
*****	Plowed all city streets		10		6
*****	Open 17th Street Bridge	37	260	60	335
WASTEWATER UTILITY 2024		July	Year-to-Date	July	Year-to-Date
	Wastewater Treated, Gallons	90,948,000	544,077,000	56,516,000	486,267,000
	MONTHLY AVERAGE: Daily Flow, Gallons	2,934,000	2,513,286	1,823,000	2,290,000
	MONTHLY AVERAGE: Daily BOD, Lbs.	5,589	4,811	3,919	4,036
Plant Discharges (MONTHLY AVERAGE)					
	Biological Oxygen Demand (BOD), mg/l	5.8	7.96	7.0	13.31
	Suspended Solids, mg/l	3.4	5.24	5.9	7.04
	Ammonia, mg/l	0.4	0.43	0.28	1.13
	Phosphorus, mg/l	0.26	0.24	0.36	0.33
	Fecal Coliform, per 100ml	38	35	31	77.14
	pH, Min (6.0)	7	6.9	6.9	6.81
	pH, Max (9.0)	7.20	7.1	7.00	7.03
Chemicals					
	Polymer, Gallons	88	616	88	616
	Ferric Chloride, Gallons	2,369	16,847	2,383	16,378
P&Fonly	Chemical Purchases for the month		\$ -	8743.8	31,801
	Mishicot Payment to City	\$ 9,703.39	\$ 59,286.85	\$ 5,497.59	54,541
	Emergency call-ins	3	19	1	10