



Waukesha Water Sale Update for the Public Works Committee

Jennifer Gonda and Dan Duchniak
October 3, 2018

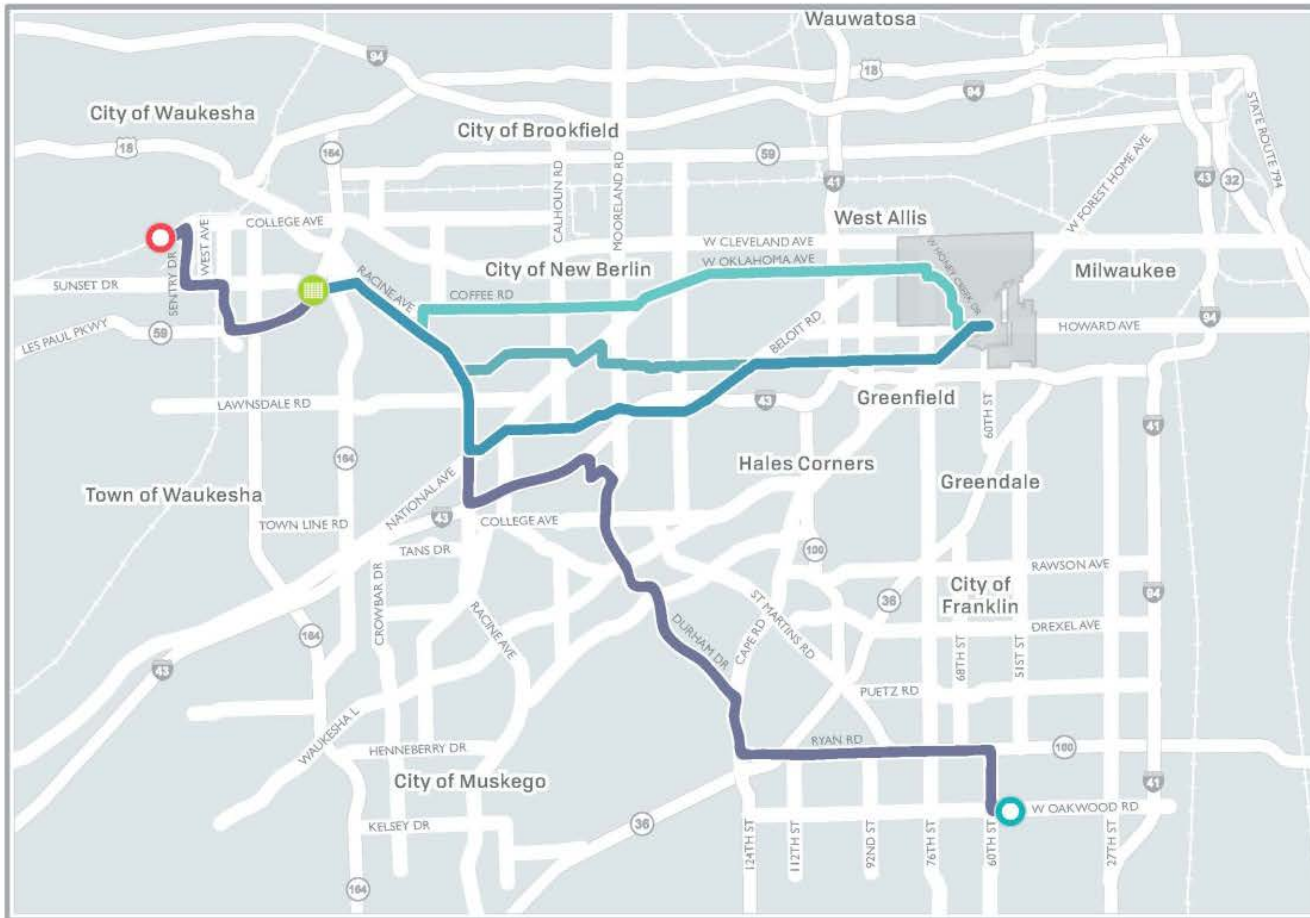
Milwaukee
Water Works

Safe, Abundant Drinking Water.



Preferred Route Selection

- 3 routes were evaluated
- Preferred route is Alternative 1, which travels along Oklahoma Ave within City of Milwaukee limits.
- Upcoming transmission main construction will be confined to Oklahoma Ave between 74th St on the east and city limits on the west.
- Selection of this route shortens the total distance of water main construction.
- At a later date, the main in Oklahoma Ave from 60th St to 74th St will be upgraded.



- ROUTE ALTERNATIVE 1
- ROUTE ALTERNATIVE 2
- ROUTE ALTERNATIVE 3
- RETURN FLOW
- RETURN FLOW PUMPING STATION
- OUTFALL
- WAUKESHA DISTRIBUTION SYSTEM
- NEW WATER SUPPLY PUMPING STATION EVALUATION AREA

1" = 10,000'
 0 5,000 10,000 20,000

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

ROUTE ALTERNATIVES
 Great Lakes Water Supply Program
 Waukesha, Wisconsin



Milwaukee
Water Works

Safe, Abundant Drinking Water.



Pumping Station Site Selection

- 7 sites were evaluated
- Preferred site is near the intersection of 76th St and Oklahoma Ave.
- Selection of this site allows MWW to decommission a nonconforming underground pumping station nearby.
- Acquisition of the parcel will occur over the next few months.
- The pump station is contract package #1 – anticipated construction is March 2020 through April 2021



Ensuring Water Quality

- Installation of “Pipe Loop” at Grange Pumping Station
- Will monitor the interaction of our water with pipes harvested from Waukesha
- Analyzes how different water (groundwater versus lake water) reacts with pipe materials based on the different characteristics of the water.
- Avoids water quality problems when switching sources.



Pipe Loop Moving Day



Safe, Abundant Drinking Water.



Pipe Loop Moving Day





Pipe Loop In Its New Home In Milwaukee





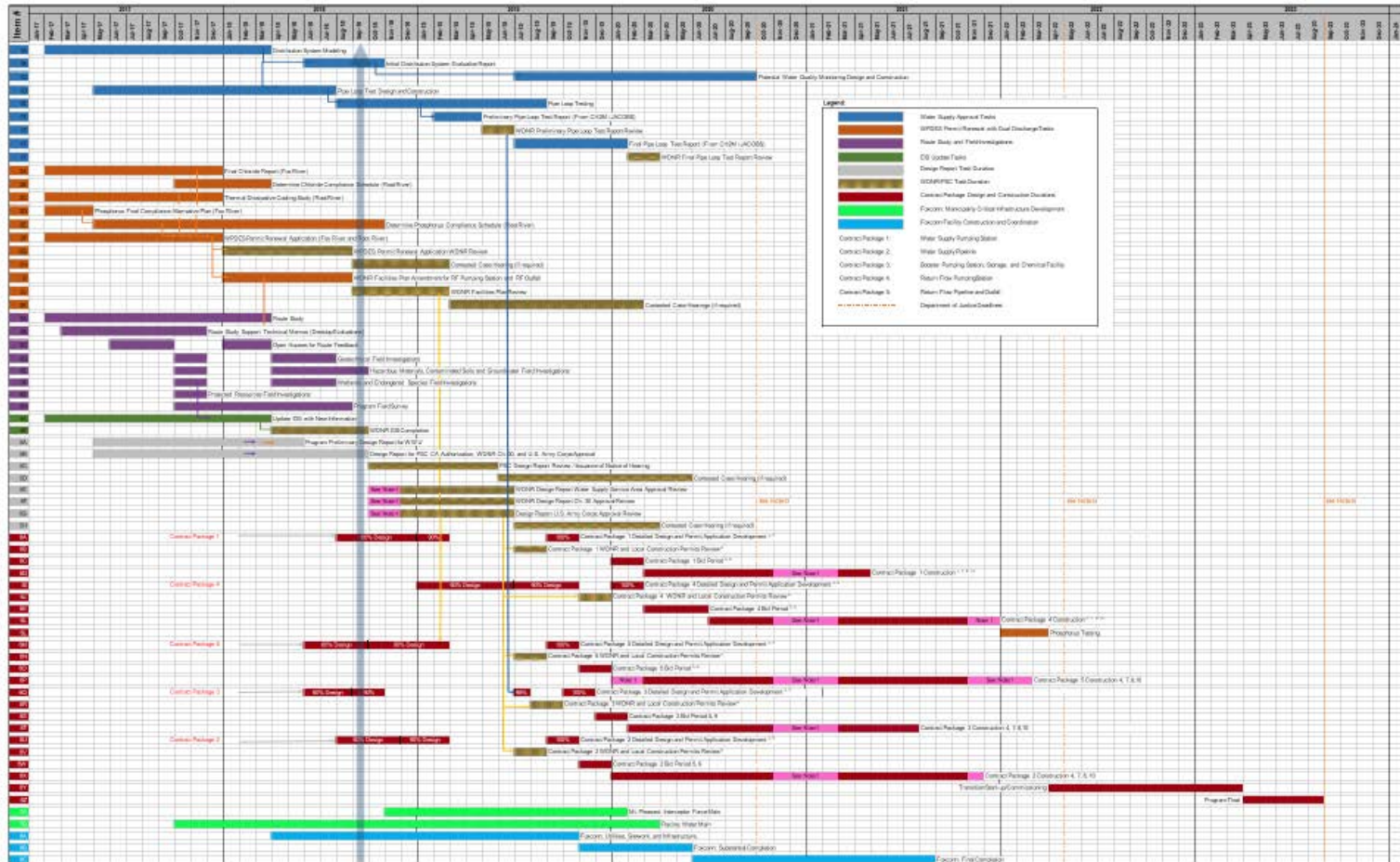
Schedule Moving Forward

- Permitting – Completed by September 2019
- Bidding – October 2019
- Construction – 2020 – 2022
- Transition – Late 2022 or early 2023
- Project Completion September 2023



GREAT WATER ALLIANCE

Great Lakes Water Supply Program
High Level Program Schedule
6 Month Contracted Case
August 20, 2018



Milwaukee Water Works

Safe, Abundant Drinking Water.



For more information visit:
<http://greatwateralliance.com/>

Milwaukee
Water Works

Safe, Abundant Drinking Water.