

**SCOPE OF SERVICES COMMENTARY**  
for  
**ENGINEERING DESIGN SERVICES**  
**WASHINGTON ST (USH 151) & 21<sup>ST</sup> ST**  
**SIGNAL REHABILITATION**  
**MANITOWOC COUNTY**  
October 29, 2021

This project includes the design for traffic signal improvements at the intersection of Washington Street and 21<sup>st</sup> Street in Manitowoc, WI. Construction is scheduled to be completed by June 30, 2024 and will utilize the WisDOT master contract for signal work.

The scope of this contract is the design of the above project to meet current roadway design standards.

For the design of these projects, the scope is as follows:

- A. Survey
  - 1. Limited topographic survey will be completed to locate existing utilities within the intersection.
- B. Geotechnical
  - 1. No geotechnical borings or investigations are included in this project.
- C. Environmental Coordination/Documentation/Permitting
  - 1. Environmental Document & Studies - No environmental document is anticipated and is not included in the scope of work.
  - 2. Wetland Delineation – not anticipated to be needed, not included in scope of work.
  - 3. Permitting – With total disturbed area expected to be less than 1 acre, no permits are included.
- D. Utility Coordination – included in the scope of work is the following:
  - 1. One initial notification of utilities to notify them of the projects and gather mapping information.
  - 2. One notification of utilities of the projects to provide the proposed project information for them to determine potential conflicts.
  - 3. Review of utility work plans related to these projects with recommendations to the city for the approval of permits.
- E. Storm Sewer
  - 1. No storm sewer impacts are anticipated or included in this project.
- F. Permanent Signing
  - 1. Permanent signing plans will be limited to work necessary to replace any signs attached to the existing signals or lights that may be removed as part of this project.
- G. Roadway Design
  - 1. Roadway design minor replacement of sidewalk and/or curb and gutter as needed for signal work.
  - 2. No pedestrian ramp designs are included.

H. Meetings

1. JT will attend one (1) meeting at the Manitowoc City Hall to discuss the progress of the project.
2. JT will attend/host up to three (3) virtual meetings/conference calls with the City of Manitowoc to discuss the progress of the project.

I. Plans & Specifications.

1. JT will provide plans consisting of the following:
  - a. Title Sheet
  - b. General Notes
  - c. Special Construction Details
  - d. Traffic Signal Removal Plan
  - e. Traffic Signal Plan
  - f. Construction Traffic Control plans (as needed)
  - g. Miscellaneous Quantity sheets
  - h. Standard Detail Drawings
2. An engineer's estimate of construction costs will be provided in excel format with the final plan submittal.

J. Right of Way Plat – not included.

K. Traffic Signal Design

1. Design signals utilizing WisDOT specifications and Traffic Signal Design Manual.
2. Review the City's signal timing plans and provide changes as needed.

L. Work Zone Traffic Control

1. Review traffic needs and provide recommendations for work zone traffic control including but not limited to stop control, temporary traffic signals, lane reductions, road closures, and detours.

M. PS&E and Letting

1. No letting is anticipated due to the use of WisDOT's master service contract.

N. Design Schedule

1. The design will follow the schedule below if JT has received the Notice to Proceed by November 15, 2021.

Report/Meeting Title	Date
Project Kick-off Meeting	Wednesday, November 17, 2021
30% Plans & Estimate	Thursday, January 20, 2022
30% Plan Meeting*	Thursday, January 27, 2022
60% Plan & Estimate	Thursday, March 17, 2022
60% Plan Meeting*	Thursday, March 24, 2022
90% Plans, Estimate, & Specials	Thursday, April 28, 2022
90% Plan Meeting*	Thursday, June 2, 2022
Final Plans	Thursday, June 30, 2022

\* City of Manitowoc will provide review comments for the related submittal on or before the date of this meeting.