

CORRESPONDENCE/MEMORANDUM

STATE OF WISCONSIN

Date: 11/1/2022

Version 11.0

To: Jillene Fehrman, P.E.
Attn: Chief Proposal Management Engineer
Bureau of Project Development, Proposal Management Section

From: Amanda Johansen, P.E.
Project Manager
SE-WKE Region

Approved: Wafa Elqaq, P.E.
PDS Supervisor

Subject: Project ID 1060-10-72
IH 94 East West Freeway
Moorland Interchange
IH 94
Waukesha County

Additional Construction Projects Included in the Proposal:
N/A

Corresponding Design Project ID (s): 1060-10-02

Legislative Subprogram Code: 303-3R

Bid Letting Date (for Bid Contracts): 5/9/2023

INTRODUCTION

We are submitting for your review and approval, the P.S.& E. for the proposed miscellaneous project. Major items of work include removals, excavation, base aggregate dense, select crushed material, concrete base, HMA pavement, concrete curb & gutter, concrete sidewalk, concrete barrier, storm sewer, erosion control, restoration, traffic control, permanent signing, pavement marking, traffic signals, street lighting, ITS and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract. The project is 0.228 miles in length and is located in the City of Brookfield.

Waukesha County has the greatest percentage of work.

Project Requested By or Purpose: The Department of Transportation is sponsoring the project to address safety and operational issues.

Consequences if not Approved: Crash rates will continue at a higher rate than the statewide average and congestion at the interchange will continue to increase.

Contract Type: LET

Alternative Contracting Methods Used: N/A

PS&E Due Date: 2/1/2023

Contract Completion Type: Completion Date

Anticipated Construction Starting Date: 7/5/2023

Anticipated All Work Complete Date: 10/31/2024

Performance Miles: 0.363

The contact information for the PDS Chief is:

Brian Bliesner, P.E. Brian.Bliesner@dot.wi.gov

The contact information for the Project Supervisor is:

Wafa Elqaq, P.E. Wafa.elqaq@dot.wi.gov

The contact information for the Project Manager is:

Amanda Johansen, P.E. Amanda.Johansen@dot.wi.gov

The contact information for the Project Leader is:

N/A N/A

The contact information for after advertising is:

Amanda Johansen, P.E. Amanda.johansen@dot.wi.gov

The Consultant contact information is:

John Elkin, P.E. John.elkin@rasmith.com

Phone No. (262) 317-3312

The estimate was prepared by: Consultant

Consultant Company Name: raSmith

This project is on the National Highway System.

This project is not subject to federal oversight.

The region is not requesting prequalification be waived for this proposal.

PS&E EXHIBITS

All PS&E Exhibits {See FDM 19-10-1 (1.2.1) Table 1.1} are included in this submittal.

Proposal Cover and Governor's Bond not included since no longer required for let projects.

PRE-BID MEETING

A Pre-Bid Meeting {See FDM 19-10-15} will not be held for this project. The pre-bid meeting N/A mandatory.

N/A

SYNOPSIS OF SIGNIFICANT APPROVALS, ACCEPTANCES OR COMPLETED ACTION:

<u>Description</u>	<u>Date</u>
Concept Definition Report	N/A
Final Environmental Document CEC	03/30/2022
Department of Natural Resources Final Concurrence	09/02/2021
DNR 401 Water Quality Certification	Pending
WPDES Storm Water Discharge Permit Certification	Pending
Corps of Engineers Permit	N/A
Section 106 report	09/10/2021
Pavement Design	10/14/2021
Exception to Standards	N/A
Design Study Report	05/16/2022
Hazardous Material, Site Reconnaissance	3/2/2022
Asbestos Inspection	03/23/2022
N/A	

ENVIRONMENTAL ISSUES/COMMITMENTS

Asbestos is present on structures.

Environmental commitments are listed in the Environmental Commitments Basic Sheet. STSP 107-120 was added to the specials for the presence of asbestos.

PERMITS

WPDES Storm Water Discharge Permit Certification will be obtained prior to construction.

401 Water Quality Certification will be obtained prior to construction.

404 Permit is not required.

RIGHT-OF-WAY

Real Estate Acquisition Complete.

UTILITIES

There are underground and overhead facilities located within the project limits. Utilities will be relocated prior to and during construction. The project includes lighting, traffic signals, sanitary sewer, and water main work that will be performed by the contractor as part of the contract work.

SANITARY SEWER and WATER MAIN

The City of Brookfield has included sanitary manhole and watermain adjustment work with this project as non-participating work.

RAILROADS

N/A

HAZARDOUS MATERIALS

A phase 1 investigation was completed and identified one potentially hazardous material site within 200 feet of the project corridor.

An Aesbestos Investigation was completed on all three bridges. It was determined that aesbestos is present in underdeck lighting units on all three bridges.

DESIGN DATA

N/A

STRUCTURES

B-67-52, B-67-53, B-67-106, R-67-158

S-67-983 not submitted to BOS since it is a contractor designed structure with a standard structure and foundation type.

LANDSCAPE ARCHITECTURE

N/A

TRAFFIC SIGNALS

Traffic signal improvements will be installed by the contractor as part of the contractor work at the following intersections:

- Moorland Road (CTH O) & IH 94 WB to NB exit ramp
- Moorland Road (CTH O) & IH 94 WB to SB exit ramp/WB on ramp

TRAFFIC

During stage 1, the IH 94 WB to NB Moorland off ramp will be closed and detoured. During both stages, 2 lanes on Moorland Road will remain open in each direction, with the exception of overnight closures that reduce Moorland Road to one lane in each direction.

{Name of person granting approval} approved the Transportation Management Plan on Click or tap to enter a date..

The Finished Traffic Control Plan & Review Meeting was held on 10/18/2022

LIGHTING

Lighting along the median of Moorland Road is locally maintained by the City of Brookfield. WisDOT will be replacing lighting as part of the project. WisDOT will take ownership of the lighting system within the DOT R/W at the completion of the project.

This project is on the State Highway System and is state maintained.

This project is not on the State Highway System and is N/A.

SPECIAL PROVISIONS

The contract contains the following unusual specification modifications and/or unusual special SPV.xxx.xx items:

Item No. and Description

SPV.0060.0002 Reconnect Storm Sewer Lateral
 SPV.0060.0003 Inlet 5-ft Diameter
 SPV.0060.0004 Inlet Median 3 Grate Modified
 SPV.0060.0005 Storm Sewer Chamber
 SPV.0060.0006 Utility Line Opening
 SPV.0060.0010 Traffic Control Local Lane Closures
 SPV.0060.0011 Traffic Control Close-Open Freeway Entrance Ramp
 SPV.0060.0012 Traffic Control Close-Open Freeway Exit Ramp
 SPV.0060.0013 Bagging Signal Head
 SPV.0060.1001 Lighting System Integrator (1060-10-72)
 SPV.0060.1002 Lighting System Survey (1060-10-72)
 SPV.0060.3000 Install Poles Type 9 Special
 SPV.0060.3001 Install Monotube Arms 45-ft Type 9/10 Special Pole
 SPV.0060.3002 Transport and Install State Furnished Traffic Signal Cabinet CTH O & I-94 WB-NB Off-Ramp
 SPV.0060.3003 Transport Traffic Signal & Intersection Lighting Materials CTH O & I-94 WB-NB Off-Ramp
 SPV.0060.3004 Transport & Install State Furnished EVP Detector Heads CTH O & I-94 WB-NB Off-Ramp
 SPV.0060.3005 Temporary Emergency Vehicle Preemption (EVP) System CTH O & I-94 WB-NB Off-Ramp
 SPV.0060.3006 Abandon Concrete Bases
 SPV.0060.3007 Remove, Salvage, & Reinstall EVP Equipment IH 94 WB On Ramp & CTH O
 SPV.0060.3008 Install Fiber Optic Communications in Cabinet IH 94 WB to NB Off-Ramp & CTH O
 SPV.0060.4001 Remove, Salvage, and Reinstall Overhead Sign Support S-67-613
 SPV.0060.5001 Water Main Offset 12-Inch
 SPV.0060.5002 Adjust Sanitary Sewer Manhole
 SPV.0060.5003 Sanitary Manhole Seal
 SPV.0090.0001 Concrete Curb and Gutter 30-Inch Type A HES
 SPV.0090.0002 Construction Staking Fence
 SPV.0090.0004 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 38x60-Inch
 SPV.0165.0001 Concrete Sidewalk 5-Inch HES
 SPV.0165.0002 Concrete Safety Island HES
 SPV.0165.4000 Removing Loose Concrete Overhead

STANDARDIZED SPECIAL PROVISIONS (STSP's)

Revisions have been made to the following STSP's:

612-005 – Modified Construction section

PLANS and PROPOSALS

The **SE-WKE** office requests 30 11"x17" size plans and 30 proposals for construction purposes.

SIGN DETAILS and SIGN PLATES

See FDM 19-10-15 for guidance

Required

NATIVE AMERICAN HIRING PROVISION

Is there a requirement? No If Yes, verify [tribal contact information](#) and provide information in the Special Provisions.

ADDITIONAL SPECIAL PROVISIONS (ASP's)

See FDM 19-10-15

ASP-1 Not Required

Total Graduate Hours per Proposal; Number of Graduates {Number of Graduates}; {Number of hours per project ID or N/A}

Total Apprentice Hours per Proposal; Number of Apprentices {Number of Apprentices}; {Number of hours per project ID or N/A}

ASP-3 is required in all federally funded contracts.

ASP-4 is required in all state and federally funded contracts.

ASP-5 Not Required

ASP-6 is required in all state and federally funded contracts.

ASP-7 is required in all state and federally funded contracts.

ASP-9 is required in all state and federally funded contracts.

FORCE ACCOUNT AGREEMENTS

Total Agreement Amount: N/A

Excluded Costs: N/A

Cost Effectiveness Findings for Force Accounts Agreements {See FDM 19-10-15} are not applicable.
{Briefly describe reason for approval.}

N/A

POSTING OF PRELIMINARY PLANS

BPD will post preliminary plans on the HCCI for projects that meet the criteria. (See FDM 19-10-15 for guidance.)

Preliminary plans will be posted on the HCCI if one or more of the following answers is “yes”:

Does this project have 50,000 CY or more of earthwork? No

Does this project have any of the following unique structural components: No

- Steel Girders
- Specialty Steel
- Large Quantities
- Accelerated Bridge Construction (ABC)
- Specialized Construction (“Roll-ins,” etc.)

Is the engineer estimate for this project greater than \$20 million? No

Does the Region deem it appropriate to post preliminary plans for another reason? No

{If Yes, briefly describe reason for posting preliminary plans. (List only reasons that are different than the criteria listed above)}

LABOR COMPLIANCE PREVAILING WAGE RATE DECISIONS

BPD will insert Davis Bacon prevailing wage rates into federally funded proposals based on the following criteria.

Highway construction wage rates (WI10) will be included in all contracts.

Bridge Construction over Federal Navigable Waterway? No

Sanitary Sewer and Water Line Construction? No

Is total estimate of sanitary sewer/water line work \$1,000,000 or greater? No

What percent of total contract estimate is sanitary sewer/water line work? 0%.

Building Construction (construction, rehabilitation and repair of sheltered enclosures with walk-in access for the purpose of housing persons, machinery, equipment, or supplies. Examples wayside building, salt shed, bridge tender house, etc.)? No

CONCLUSION

N/A

{cc if applicable}

ARG:arg

Date: 11/1/2022

Prepared By: Alex Gehring, raSmith

Subject: Project ID 1060-10-72
IH 94 East West Freeway
Moorland Interchange
IH 94
Waukesha County

Legislative Subprogram Code 303-3R

Let Date: 5/9/2023

Summary of Review Documentation	
Division of Transportation System Development DTSD and Division of Transportation Investment Management DTIM Reviews See FDM 19-10-5.11 & 19-10-15	Date of Completion State status of review, or not applicable, NA. Provide applicable information but strive for Date of Completion:
Bureau of Project Development	
Design & Construction Services Section	
• Project Development Unit	
Regional Utilities Coordinator	Region responsibility (DT1080)
Structure Design Section	
• Preliminary Design	
• Final Design Submitted to Bureau of Structures	
Bureau of Traffic Operations	
Winter Operations and Roadside Management Section	
• Pavement Maint. & Roadside Facilities	
• Landscape Architecture	N/A
Traffic Engineering Section	
• Traffic Design (Signing & Marking)	
• Traffic Operations (Safety)	
• Transportation Management Plan	
Traffic Operations, Maintenance, and Electrical Section	
• Electrical Implementation Section (STOC)	
• Intelligent Transportation Systems (STOC)	Click here to enter text.
Bureau of Technical Services	
Contaminated Sites Team	
• Hazardous Materials	03/02/2022
• Asbestos	03/23/2022
Natural Resources Team	
• Wetlands	01/2022
• Endangered Resources	9/2/2021
Environmental Review & Analysis Team	
• Archeology / Historical Structures	N/A
• Air & Noise	N/A
• Erosion control / Storm Water Discharge	9/2/2021
Bureau of Transit, Local Roads, Rails & Harbors	
Rail Engineering and Safety	Region responsibility (DT1804)
Bureau of Technical Services	
Acquisition and Services Section	Region responsibility (DT1899)