CORRESPONDENCE/MEMORANDUM **\_\_\_\_\_\_\_\_\_ STATE OF WISCONSIN**

*Date:* 8/1/2020 Version 10.0

*To:* Jillene Fehrman, P.E.

 Attn: Chief Proposal Management Engineer

 Bureau of Project Development, Room 601 Hill Farms

*From:* Robert Bellin, P.E.

 Project Manager

 SE-WKE Region

*Approved:* Benedict Eruchalu, P.E.

Regional Supervisor

*Subject:* Project ID 2440-09-70

 Washington Avenue, City of Racine

 Roosevelt Avenue to West Boulevard

 STH 20

 Racine County

 Other Subject Projects:

 None

 Legislative Subprogram Code 303

Bid Letting Date (for Bid Contracts): 11/10/2020

Associated Design Project ID contract: 2440-09-00

**INTRODUCTION**

We are submitting for your review and approval, the P.S.& E. for the proposed reconstruction of Washington Avenue (STH 20) project. Major items of work include pavement removal, grading, concrete pavement, concrete curb & gutter, sidewalk, storm sewer laterals, decorative and standard street lighting, permanent and temporary traffic signals, permanent signing, landscape and streetscape, and pavement marking. The project is 1.379 miles in length and is located in the City of Racine.

Racine County has the greatest percentage of work.

Contract Type: LET

Alternative Contracting Methods Used: No

PS&E Due Date: 8/1/2020

Anticipated Construction Starting Date: 04/12/2021

Anticipated All Work Complete Date: 10/31/2022

Performance Miles: 1.379

The SE Region Design contact person is:

Robert Bellin, P.E. Phone No. (262) 521-4405 robert.bellin@dot.wi.gov

The Region Local Program Management Consultant Design contact person is:

NA Phone No. ( ) - {Internet E-Mail Address}

The SE Region contact person for project information after advertising is:

Robert Bellin, P.E. Phone No. (262) 521-4405 robert.bellin@dot.wi.gov

The Consultant contact person is:

Bhupendra Bista, P.E. Phone No. (414) 271-0771 bhupendra.bista@strand.com

The estimate was prepared by: Consultant

Consultant Company Name: Strand Associates, Inc.

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.

N/A

**PRE-BID MEETING**

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

N/A

**SYNOPSIS OF SIGNIFICANT APPROVALS, ACCEPTANCES OR COMPLETED ACTION:**

Description Date

Concept Definition Report 08/01/2008

Final Environmental DocumentCEC 10/17/2016

Department of Natural Resources Final Concurrence Pending

DNR 401 Water Quality Certification NA

WPDES Storm Water Discharge Permit Certification Pending

Corps of Engineers Permit NA

Section 106 report 08/15/2016

Pavement Design 04/28/2015

Exception to Standards NA

Design Study Report 11/01/2016

Hazardous Material, Site Reconnaissance 03/14/2016

Asbestos Inspection NA

Public Interest Finding (proprietary items)

**ENVIRONMENTAL ISSUES/COMMITMENTS**

Asbestos is not present on structures.

Access will be maintained at all times to property owners and businesses located witin the project limits. The project manager ensures that the Special Provisions address these requirements. The construction engineer fulfills the commitment during construction.

Provide local, school bus, and emergency access during construction. Driveways and access points will be provided for reasonable access to affected properties. The commitment will be recorded in the project plans and the WisDOT construction engineer will be responsible for this commitment and for developing the traffic control plan and coordinating with local governments.

WisDOT will follow TRANS 401 and the WisDOT/WDNR Cooperative Agreement amendment regarding stormwater management to minimize the potential for adverse effects. WisDOT will update WDNR transportation liaison staff on anticipated construction and post-construction efforts during final design. The commitment will be recorded in the project plans, and the WisDOT construction engineer will be responsible for this commitment.

WisDOT will follow TRANS 401 and the WisDOT/WDNR Cooperative Agreement amendment regarding erosion control to minimize potential adverse effects. WisDOT will update WDNR transportation liaison staff on anticipated construction and post construction efforts during final design. The commitment will be recorded in the project plans and the WisDOT construction engineer will be responsible for this commitment.

Filing with the FAA is required at least 45 days prior to the start of construction and determinations last a year and a half. The Bureau of Aeronautics recommended filing with the FAA once the project is closer to construction. Due to the project's proximity to the John H Batten International Airport, the Bureau of Aeronautics also recommends notifying the airport of the project. The WisDOT construction engineer will be responsible for this commitment.

**PERMITS**

404 permit is not required.

**RIGHT-OF-WAY**

Right-of-way acquisition is complete.

Right-of-way is clear of encroachments other than the ones that could remain in place with revocable permit.

Right-of-way is clear of utilities other than the ones that will be relocated during construction.

**UTILITIES**

Some minor utility work will be completed during construction.

**SANITARY SEWER and WATER MAIN**

Sanitary sewer and water main replacement will be performed by others prior to construction. Manhole and valve adjustment will be completed during construction.

**RAILROADS**

N/A

**HAZARDOUS MATERIALS and ASBESTOS**

Hazardous Materials exists within the right-of-way at the following locations:
Station 105+80 to Station 109+00 LT - Petroleum contaminated soil
Station 112+50 to Station 114+00 LT/RT - Petroleum contaminated soil
Station 120+20 to Station 120+75 RT - Petroleum contaminated soil
Station 139+50 to Station 140+25 RT - Petroleum contaminated soil
Station 140+25 to Station 141+00 LT - Petroleum contaminated soil
Station 156+30 to Station 158+40 LT - Petroleum contaminated soil
Station 159+50 to Station 160+55 LT - Petroleum contaminated soil
Station 160+25 to Station 160+55 RT - Petroleum contaminated soil
Station 162+45 to Station 163+20 LT - Petroleum contaminated soil
Station 125+00 to Station 127+00 LT - Solid Waste

Hazardous materials within the area impacted by the proposed improvements will be removed during construction.

**DESIGN DATA**

Urban driveway layout and profile standard was updated on January 13, 2017. New changes are only incorporated in the plans where possible because the design study report for the project was approved prior to January 13, 2017.

**STRUCTURES**

S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX, S-XX-XX

**LANDSCAPE ARCHITECTURE**

Landscaping is included in the project. Plantings will be maintained by the City of Racine after the contract has expired.

**TRAFFIC SIGNALS**

Perry Avenue
Ohio Street
Lathrop Avenue
Hayes Avenue
West Boulevard

**TRAFFIC**

The roadway will be built in 3 stages and there will be a signed detours. One travel lane in the eastbound and westbound directon will be maintained in Stages 1 and 2 from Roosevelt Avenue to Ohio Street and West Boulevard to Dean Road. One travel lane in eastbound direction will be provided form Ohio Street to West Boulevard in Stages 1 and 2. One travel lane in each direction will be maintained in Stage 3 within the project limits. Left turns will be provided at the major intersections. Some side streets will be closed during conctruction. Local and commuter traffics will be detoured using different detour routes.

Rebecca Klein, P.E. approved the Transportation Management Plan on Click or tap to enter a date..

The Finished Traffic Control Plan & Review Meeting was held on 5/9/2019

**LIGHTING**

Continuous street lighting will be provided within the project limits.

This project is on the State Highway System and is N/A.

This project is not on the State Highway System and is locally maintained on a connecting highway.

**SPECIAL PROVISIONS**

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

Item No. and Description

SPV.0035.01 Planting Soil Mix
SPV.0060.01 Section Corner Monuments Special
SPV.0060.02 Parking Meter Posts
SPV.0060.03 Utility Line Opening (ULO)
SPV.0060.04 Relocating Existing Lighting Unit
SPV.0060.05 Removing Lighting Control Cabinets
SPV.0060.06 Storm Sewer Tap
SPV.0060.07 Adjusting Sanitary Sewer Manhole Covers
SPV.0060.08 Moving Existing Bus Stop Shelter
SPV.0060.09 Traffic Signal Controller and Cabinet
SPV.0060.10 Luminaires Utility LED 100 Watts
SPV.0060.11 Concrete Bases Type A
SPV.0060.12 Arm-Mounted Decorative Lighting Unit
SPV.0060.13 Install Existing Circuit Into New Pull Box
SPV.0060.14 Tower Type A
SPV.0060.15 Tower Type B
SPV.0060.16 Tower Type C
SPV.0060.17 Panel Type A
SPV.0060.18 Panel Type B
SPV.0060.19 Panel Type C
SPV.0060.20 Tree Grate
SPV.0060.21 Perennial Plant, Purple Coneflower
SPV.0060.22 Perennial Plant, Prairie Dropseed
SPV.0060.23 Concrete Bases Type 10 Special
SPV.0060.24 Monotube Type 9 Special Pole
SPV.0060.25 Monotube Type 10 Special Pole
SPV.0060.26 Monotube Arms Special 35-FT
SPV.0060.27 Monotube Arms Special 40-FT
SPV.0060.28 Luminaire Arms Steel Special 6-FT
SPV.0060.29 Salvaging and Resetting Planter Pole Assembly
SPV.0060.30 Relocating Overhead Speed Sign and Support
SPV.0060.31 Luminaires Utility LED 139 Watts
SPV.0060.32 Luminaires Utility LED 66 Watts
SPV.0060.33 Decorative Lighting Arm and Fixture Unit
SPV.0090.01 Marking Contrast Epoxy 4-Inch
SPV.0090.02 Marking Contrast Epoxy 8-Inch
SPV.0105.01 Remove Traffic Signals Walgreens Driveway
SPV.0105.02 Remove Traffic Signals Ohio Street
SPV.0105.03 Remove Traffic Signals Lathrop Avenue
SPV.0105.04 Remove Traffic Signals Hayes Avenue
SPV.0105.05 Remove Traffic Signals West Boulevard
SPV.0105.06 Video Detection System Perry Avenue
SPV.0105.07 Video Detection System Ohio Street
SPV.0105.08 Video Detection System Lathrop Avenue
SPV.0105.09 Video Detection System Hayes Avenue
SPV.0105.10 Video Detection System West Boulevard
SPV.0105.11 Microwave Detection System Perry Avenue
SPV.0105.12 Microwave Detection System Ohio Street
SPV.0105.13 Microwave Detection System Lathrop Avenue
SPV.0105.14 Microwave Detection System Hayes Avenue
SPV.0105.15 Microwave Detection System West Boulevard
SPV.0105.16 Emergency Vehicle Preemption System Perry Avenue
SPV.0105.17 Emergency Vehicle Preemption System Ohio Street
SPV.0105.18 Emergency Vehicle Preemption System Lathrop Avenue
SPV.0105.19 Emergency Vehicle Preemption System Hayes Avenue
SPV.0105.20 Emergency Vehicle Preemption System West Boulevard
SPV.0105.21 Relocating Stone Monument - The World's War
SPV.0105.22 Relocating Stone Monument - Peder Back Plaza
SPV.0165.01 Concrete Sidewalk Thickened Edge
SPV.0165.02 Remove and Replace Brick Pavers
SPV.0195.01 Management of Solid Waste

**PROPRIETARY ITEMS**

A Proprietary Product Justification has been submitted to, and approval has been received by, the Project Development Engineer for the use of the following proprietary items:

Item No. and Description

SPV.0060.02 Parking Meter Posts
SPV.0060.09 Traffic Signal Controller and Cabinet
SPV.0060.10 Luminaires Utility LED 100 Watts
SPV.0060.12 Arm-Mounted Decorative Lighting Unit
SPV.0060.14 Tower Type A
SPV.0060.15 Tower Type B
SPV.0060.16 Tower Type C
SPV.0060.17 Panel Type A
SPV.0060.18 Panel Type B
SPV.0060.19 Panel Type C
SPV.0060.20 Tree Grate
SPV.0060.31 Luminaires Utility LED 139 Watts
SPV.0060.32 Luminaires Utility LED 66 Watts
SPV.0060.33 Decorative Lighting Arm and Fixture Unit

**STANDARDIZED SPECIAL PROVISIONS (STSP’s)**

Revisions have been made to the following STSP's:

NA

**PLANS and PROPOSALS**

The WisDOT southeast regional office requests 33 11”x17” size plans and 36 proposals for construction purposes.

**SIGN DETAILS and SIGN PLATES**

See FDM 19-10-15 for guidance

**Required**

**ADDITIONAL SPECIAL PROVISIONS (ASP's)**

See FDM 19-10-15

ASP-1 Required

4,000 Total Graduate Hours per Proposal; Number of Graduates 6; N/A

2,500 Total Apprentice Hours per Proposal; Number of Apprentices 4; 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 {List SPV Earthwork items ASP-5 applies to, and list fuel usage factor.}

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

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

ASP-8-NS Freeway Not Required

ASP-8-USH 41 Not Required

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. N/A

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? Yes

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

* Steel Girders
* Specialty Steel
* Large Quantites
* 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

**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?Sanitary Sewer 0% and Water 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**

Please include the following state plates in the plan set: A1-2, A2-1S, A4-3, A4-3B, A4-4, A4-8, A4-9, A4-11, A5-3, A5-9, A5-10, D1-65, I2-3, M1-6, M1-94H, M1-94S, M2-1, M3-1, M6-1, R1-1, R1-1F, R2-1, R2-6P, R3-2, R3-7, R3-8, R3-17, R3-18, R3-20L, R3-20LL, R3-53, R4-4, R4-7, R4-11, R5-1, R5-1A, R5-2, R6-1L& R6-1R, R6-2L & R6-2R, R6-3, R7-1, R9-3A, R9-3BL, S1-1, S5-2, S16-7L, S16-9P, W1-8, W3-3, W5-54, W11-2, W11-8, W12-1D, W16-7L & W16-7R, W16-9P

{cc if applicable}

{author initials}:{typist initials}

Date: 8/1/2020

Prepared By: Strand Associates, Inc

*Subject:* Project ID 2440-09-70

 Washington Avenue, City of Racine

 Roosevelt Avenue to West Boulevard

 STH 20

 Racine County

Legislative Subprogram Code 303

*Let Date:* 12/8/2020

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| **Summary of Review Documentation** |
| Division of Transportation System Development **DTSD** and Division of Transportation Investment Management **DTIM** ReviewsSee 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 Section1. Project Development Unit
 |   |
| Regional Utilities Coordinator | Region responsibility (DT1080**)** |
| Structure Design Section1. Preliminary Design
 | NA |
| 1. Final Design Submitted to Bureau of Structures
 | NA |
| **Bureau of Traffic Operations** |  |
| Winter Operations and Roadside Management Section * Pavement Maint. & Roadside Facilities
 | NA |
| * Landscape Architecture
 |   |
| Traffic Engineering Section* Traffic Design (Signing & Marking)
 |   |
| * Traffic Operations (Safety)
 |   |
| * Transportation Management Plan
 |   |
| Traffic Operations, Maintenance, and Electrical Section |  |
| * Electrical Implementation Section (STOC)
 | NA |
| * Intelligent Transportation Systems (STOC)
 | NA |
| **Bureau of Technical Services** |  |
| Contaminated Sites Team1. Hazardous Materials
2. Asbestos
 |    |
| Natural Resources Team1. Wetlands
 |   |
| 1. Endangered Resources
 |   |
| Environmental Review & Analysis Team1. Archeology / Historical Structures
 |   |
| 1. Air & Noise
 |   |
| 1. Erosion control / Storm Water Discharge
 |   |
| **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) |