



Strand Associates, Inc.®  
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Milwaukee, WI 53202  
(P) 414.271.0771

August 17, 2021

Mr. John C. Rooney, P.E.  
Commissioner of Public Works  
City of Racine  
City Hall  
730 Washington Avenue  
Racine, WI 53403

Re: Fee Proposal – WIS 32 Reroute Change Evaluation

Dear Mr. Rooney:

On behalf of Strand Associates, Inc.®, thank you for the opportunity to submit our fee proposal for the evaluation of a proposed WIS 32 reroute along State Street and Marquette Street for changes to traffic and to identify operational and safety improvements. By selecting our firm, the City of Racine will receive a familiar partner who understands the City's goals.

We offer a trusted team of engineers and staff with diverse experience and talent, which will be key to the success of this project. We are confident that our qualifications and knowledge will enable us to deliver a well-executed WIS 32 Reroute Change Evaluation and enable the City to identify and move forward with the next steps in the process.

### **Project Scope**

Based on the scoping information provided by the City, scope for the WIS 32 Reroute Change Evaluation along State Street and Marquette Street between WIS 20 and WIS 32 will be as follows:

1. Prepare for and attend one meeting with Wisconsin Department of Transportation (WisDOT) Southeast Region and City of Racine representatives to review data and applicable standards for the evaluation.
2. Prepare for and attend one meeting with WisDOT and City representatives to review analysis, evaluation, and final report.
3. Traffic Operations
  - a. Perform 12-hour traffic count at up to six intersections shown on the attached Exhibit A.
  - b. Provide traffic data to WisDOT and Southeastern Wisconsin Regional Planning Commission (SEWRPC). Forecast to be completed by SEWRPC and WisDOT for a 20-year timeframe from the proposed date of reroute or another timeframe agreed to by WisDOT.
  - c. Prepare A.M. and P.M. existing conditions, future no-build, and future build models in Synchro using Highway Capacity Manual 6 methodology at up to six intersections shown on attached Exhibit A.
  - d. Prepare traffic operations report in accordance with WisDOT Traffic Engineering, Operations and Safety (TEOpS) Manual.

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4. Safety Study
  - a. Calculate intersection crash rate for six intersections shown on attached Exhibit A for most recent 5 years of crash data.
  - b. Prepare intersection crash diagrams for up to six intersections shown on the attached Exhibit A.
  - c. Propose safety improvements for intersections with crash rates exceeding 1.0 crashes per million entering vehicles.
  - d. Calculate segment crash rate for up to four segments shown on the attached Exhibit A.
  - e. Compare segment crash rate to statewide average segment crash rate. Propose safety improvement for the segments that has above the statewide average crash rate based on upper control limit.
  - f. Review crashes involving bicycle and pedestrian flags and recommend safety improvements.

#### **Project Fee**

We estimate a fee of \$49,600 to complete the proposed scope.

#### **Project Schedule**

Considering 4 to 6 weeks of anticipated traffic forecasting and review time by SEWRPC and WisDOT, we estimate approximately 4 months to complete the proposed scope.

This letter is not to be considered an agreement. If selected, we will prepare an Engineering Services Agreement and submit to the City for review and signature. Once the Engineering Services Agreement is executed, work on the project will begin.

We appreciate all the opportunities we have had to work with the City and we look forward to continuing our relationship with the City through the successful delivery of this project. Please call if the City has questions or needs additional information regarding this submittal.

Sincerely,

STRAND ASSOCIATES, INC.®



Bhupendra B. Bista, P.E.  
Project Manager

Enclosures

1092.010/BBB:mah/tk



Adam Walter, P.E.  
Traffic Engineer

# STH 32 Rerouting Evaluation Exhibit A

