



Project and Analyst Information

Table with 4 columns: Analyst, Agency, Date, Design ID, Highway, Project Title, Project Subtitle, Improvement Concept Code, Scheduled Construction Year.

1. According to FDM 11-1-10 Attachment 10.1, does the improvement concept code and scope of work require a Safety Certification Document (SCD)? Yes [] No []

If "No" is selected for sections 1-5, excluding subsections, the Safety Certification Document can be completed and signed.

Network Screening for Safety Sites of Promise

2. Did the project have Safety Sites of Promise from the network screening? Yes [] No []

Safety Sites of Promise:

List the Sites of Promise (i.e. "flagged locations") within the project area. Include the Meta-Manager segment PDP ID or Intersection ID as well as other contextual information (i.e. street names) to describe the location.

Attachments: Project location/overview map, Meta-Manager spreadsheet segment screenshot, Intersection Network Screening spreadsheet screenshot.

Diagnosis of Safety Sites of Promise

3. Did relevant crashes remain after crash vetting? Yes [] No []

3.1. Describe the crash trends, if any, for the remaining crashes for each Safety Site of Promise.

List the Sites of Promise. Determine and describe the remaining crashes after the crash vetting process. Identify contributing factors and if crashes are correctible by an engineering solution. Describe any trends that may have occurred.

Attachments: Safety Certification Worksheet, Crash diagrams, Vetting comments.

Countermeasure Identification, Safety Evaluation and Economic Appraisal

4. Were crash trends identified within the Diagnosis procedure? Yes [] No []

5. Were alternatives analyzed in this project? Yes [] No []

5.1. For intersections only, a Phase I: Scoping Intersection Control Evaluation (ICE) is required if traffic control changes are considered. Has a Phase I: Scoping ICE been completed? Yes [] No []

5.2. For each Safety Site of Promise identify the contributing factors for the crashes (including geometric conditions). Provide a narrative for each proposed alternative and the contributing factors that are being targeted by the alternative.

Describe existing conditions of each Site of Promise and the contributing factors for the crashes. Include information such as design speed, curve radius, weather factors, roadway cross section, signage, etc. For each Site of Promise, list the proposed alternatives and describe the contributing factors that would be mitigated with each alternative.

Attachments: Alternative concept drawings.



5.3. Analysis Results

Bureau of Traffic Operations (BTO) approval is required for all projects that complete the Safety Evaluation and Economic Appraisal procedure.

Analysis Location:	<i>List the analysis location (Site of Promise) or limits of the proposed treatment</i>
Analysis Method:	<i>List which method is used (Method 1, 2, or 3)</i>
External CMF Value:	<i>List the CMF value if using an external CMF. External CMFs are any CMFs used outside of the IHSDM software.</i>
External CMF Source:	<i>List the external CMF source, such as from the WisDOT CMF table. See Traffic Engineering, Operations and Safety Manual (TEOps) 12-3-1.</i>

	Base	Alt. A	Alt. B	Alt. C
Alternative Name				
Fatal & Injury Crashes				
Property Damage Only Crashes				
Total Crashes				
Benefits				
Cost				
Cost Difference (From Base Case)				
Safety B/C				

Comments:

Use the provided table or include screenshots of Table 8 (Case Cost Summary) and Table 9 (Case Crash Summary) from the Economic Analysis Report for each analysis. List any noteworthy comments about the analysis or IHSDM inputs in the provided comment field.

In some cases, an alternative may be less expensive than the base case. For these cases, use the lowest cost alternative as the base case when performing the Economic Appraisal. When evaluating alternatives such as High Friction Surface Treatment or signal-related work, where resurfacing costs would be the same across all proposed alternatives, the base case cost can be \$0.

Attachments: *Cost estimates, IHSDM Crash Prediction Evaluation Reports, Highway Safety Benefit-Cost Analysis tool results (Method 1 only), IHSDM Economic Analysis Report.*

5.4. Describe other information relevant to the project such as community considerations, unique features, potential funding sources, etc.



ATTACHMENTS

Include all attachments in the final SCD and submit as a single PDF

- A. Project Information
 - a. Project Location/Overview Map
 - b. Crash Diagram(s)
- B. Network Screening Documentation
 - a. Meta-Manager spreadsheet
 - b. Intersection Network Screening spreadsheet
- C. Diagnosis (Crash Vetting) Documentation
 - a. WisTransPortal crash data spreadsheet with vetting comments
- D. Countermeasure Identification Documentation
 - a. Safety Certification Worksheet
- E. Safety Evaluation and Economic Appraisal Documentation
 - a. Layout/Schematic for each alternative
 - b. Cost estimate for each alternative
 - c. IHSDM Crash Prediction Evaluation Report for each alternative
 - d. IHSDM Economic Analysis Report
 - e. Highway Safety Benefit-Cost Analysis Tool results