

# INSTRUCTIONS FOR CONCEPT DEFINITION WORKSHEET –BRIDGE PROJECT–

(LINES MARKED WITH "+" ARE UNIQUE TO BRIDGE PROJECTS)

**Municipality** "City of", "Village of", "Town of", or "County of" and then the municipality name in which the project is located. (Example: City of Milwaukee)

**County** The county name in which the project is located. (Example: Dane)

**Local Road or Street Name** The road name on which the project is located. (Examples: CTH A or West Avenue)

+ **Feature** Check "Over" or "Under" and then the waterway, roadway, railroad, etc. that the structure passes over or under. (Examples St. Croix River or USH 53 or Burlington Northern Railroad)

+ **Project Location** A description of the location of the project. A distance in tenths of a mile, in a direction from a roadway intersection, is a common description. (Example: 0.2 miles east of STH 47 intersection)

**Length of Project** The length of the entire project. Give this length in tenths of a mile. (Examples: 0.1 miles or 2.3 miles)

**Current Average Daily Traffic (ADT)** The current ADT or the most recent ADT and the year that it was taken. Include the year in the description even if it is current so there is no question as to when the ADT was taken. (Example: 635 – (2001))

**Posted or Statutory Speed Limit** The speed limit, whether it is posted or statutory, within the project limits. (Example: 55 MPH)

+ **Functional Classification** "Principal Arterial", "Minor Arterial", "Major Collector", or "Local Road".

+ **Design Classification** "Arterial", "Collector", "Local Road", or "Town Road".

+ **Bridge Number** The existing bridge number in the format B - # - # - # # # #, or P - # - # - # # # #, or C - # - # - # # # #. Include the leading zeros for numbers less than 1000. (Examples: B-01-1234 or P-21-0036 or C-31-0135)

+ **Clear Bridge Width** The bridge width measured between the guardrail or curb whichever is narrower. Give this width in tenths of a foot. (Examples: 24.3 feet or 36.0 feet)

+ **Clear Bridge Length** The bridge length measured from end of deck to end of deck or from the outside of the first barrel or culvert to the outside of the last barrel or culvert. Give this length in tenths of a foot. (Examples: 102.4 feet or 120.0 feet)

+ **Number of Spans** The number of spans in the bridge or the number of barrels or culverts. Add clarification if barrels or culverts. (Example: 3 Span, or 4 Barrels, or 5 Culverts)

+ **Approach Pavement Width** The pavement width of the approaches, including any paved shoulders. Give this width in tenths of a foot. (Examples: 26.2 feet or 38.0 feet)

+ **Most Recent Inspection Date** The date of the last full bridge inspection. Give the date in the format mm/dd/yyyy by using leading zeros if necessary. (Examples: 01/31/2001 or 12/01/2002)

+ **Sufficiency Rating** The sufficiency rating based off of the most recent inspection. Give the sufficiency rating to the tenths. (Examples: 36.0 or 42.8)

+ **Structurally Deficient (explain)** Check if the bridge is structurally deficient and then it should be explained how it is structurally deficient. NBI rating of 4 or less for the Bridge Deck; Superstructure; Substructure; or Culverts or NBI rating of 2 or less for the Structural Evaluation or Waterway Adequacy. (Examples: NBI rating 4 – Substructure or NBI rating 2 – Waterway Adequacy)

+ **Functionally Obsolete (explain)** Check if the bridge is functionally obsolete and then it should be explained how it is functionally obsolete. If a structure is structurally deficient it is excluded from being functionally obsolete. NBI rating of 3 or less for the Deck Geometry; Under clearances, Vertical and Horizontal; or Approach Roadway Alignment or NBI

rating of 3 for the Structural Evaluation or Waterway Adequacy. (Examples: NBI rating 3 – Under clearances, Vertical and Horizontal or NBI rating 3 – Structural Evaluation)

- + **Approach Pavement Type** “Asphaltic Concrete Pavement Plant Mix”, “Asphaltic Pavement Road Mix”, “Concrete”, or “Gravel”.

**Sub-Standard Alignment Horizontal or Vertical** Check yes or no as appropriate for each alignment.

**Railroad** “Crossing”, “Parallels”, “Project Limits Near a Railroad Facility”, or “None”.

**Project Justification** Provide information, as to why the project is needed and the proposed improvements, in appropriate detail to the project’s uniqueness and complexity.

- + **Improvement Type** Check **Bridge Replacement (explain)** if appropriate. Then “Existing Alignment”, “Shifted Alignment”, “New Alignment”, or “Bridge Elimination”.
- + **Improvement Type** Check **Bridge Rehabilitation (explain)** if appropriate. Provide information particular to the bridge rehabilitation work.
- + **Structure Type** “Bridge”, “Box Culvert”, or “Culvert Pipes”.
- + **Clear Bridge Width** The bridge width measured between the guardrail or curb whichever is narrower. Give this width in tenths of a foot. (Examples: 24.3 feet or 36.0 feet)
- + **Clear Bridge Length** The bridge length measured from end of deck to end of deck or from the outside of the first barrel or culvert to the outside of the last barrel or culvert. Give this length in tenths of a foot. (Examples: 102.4 feet or 120.0 feet)
- + **Number of Spans** The number of spans in the bridge or the number of barrels or culverts. Add clarification if barrels or culverts. (Example: 3 Span, or 4 Barrels, or 5 Culverts)
- + **Total Approach Work** “Minimal (< 250 feet)”, “Moderate (< 600 feet)”, or “Extensive (> 600 feet)”
- + **Approach Length** The approach length is from the beginning of the project to the beginning of the bridge and the end of the bridge to the end of the project. Give this length to the nearest 50 feet. (Examples: 350 feet or 500 feet)

**Pavement Type** “Asphalt”, “Concrete”, or “Gravel”.

**Total Pavement Width** The pavement width is from the edge of the travel lane to the edge of travel lane. Give this width to the even foot.

**Shoulder Type** “Asphalt”, “Concrete”, “Gravel”, “Turf”, “Gravel/Turf”, or “Curb & Gutter”.

**Shoulder Width** The shoulder width is from the edge of the travel lane to the slope break point to the ditch or to the face of curb. Give this width to the nearest ½ of a foot. (Examples: 2½ feet or 6 feet)

**Beamguard** Check if in the proposed improvements.

**Bicycle/Pedestrian Accommodations** Check if in the proposed improvements.

- + **Traffic During Construction** “Road Closed”, “Road Open/Temporary Bypass Structure”, “Road Open/Adjacent Alignment/Exist Bridge for Bypass”, or “Staged Construction”.

**Other Work** Provide a description of any other work or improvements that may affect the cost of the project.

“Design”, “Construction”, and/or “Real Estate” Check each phase of the project that you are requesting Federal Funds for.

“Previously Approved”, “FY 2009”, “FY 2010”, or “FY 2011” Check the Fiscal Year that you request that phase be scheduled. (i.e. FY 2009 is July 1, 2008 – June 30, 2009)

“\$\_\_\_\_\_” Provide dollar values for all fields. “State Review Cost” MUST BE FILLED OUT if design will be completed in this program cycle.

**Priority** for each phase shall be relative to your entire program submittal. Enter priority numerically. (Examples: 6 or 14)

**Right-of-Way** Check "None", "Less than ½ Acre", "More than ½ Acre", "Parklands", "Large Parcels", "Strips", and/or "Temp. Interests" as they apply to the project.

**Utility Work** Check "None" or "Yes, explain" and provide description of utility and type of work required if necessary.

**Environmental Document** Check "Programmatic", "ER", "EA", or "EIS" if known.

**Hazardous Materials Sites** Check "Yes", "No", or "Unknown"

**Wetland Mitigation Required** Check "Yes", "No", or "Unknown"

**Historical Sites** Check "Yes", "No", or "Unknown"

**Archeological Sites** Check "Yes", "No", or "Unknown"

**Construction Restrictions (trout, migratory bird, local events)** Provide information and details to any natural or manmade events that may restrict when or how the project is constructed.

**Other Concept Notes** Provide any other details not covered in another section of this worksheet.

**Contact Person** Name of person completing the worksheet or the person most knowledgeable of the project concepts and submittal.

**Date** this worksheet was completed.

**Title** of the Contact Person named in the line above.

**Telephone** number of the Contact Person named in the line above.