**Bridge Bureau Attachment for Concept Statement**

**Date:** <Month DD, YYYY>

**By:** <Preliminary Bridge Design Engineer>

**Location:** <See Request for Replacement Structure Memo>

County: <County> County

Phase No.: <Phase Number, formerly known as Project Number>

Project Code: <Project Code, formerly known as PIN Number>

1. Regulatory/Coordination
   1. Iowa DNR Flood Plain permit = <Yes or No>
   2. Iowa DNR Sovereign Lands permit = <Yes or No>
   3. Local Record of Coordination = <Yes or No>
   4. Flood Insurance Study = <Yes or No> <if Yes Zone/Panel/Date>
   5. Drainage District = <Yes or No – Note Shape File Available>
   6. Corps of Engineers Section 408 = <Yes or No>
   7. State Water Trail or Paddling Route = <Yes or No>
   8. Historic Structure = <Yes or No>
   9. Federally owned land in vicinity = <Yes or No>
   10. USGS or Iowa Flood Center (IFC) gage or sensor impacted? <Yes or No> (Consult USGS website for USGS gages, Iowa Flood Information System website, stream guage layer for IFC sites)
   11. Obstruction Evaluation/Airport Airspace Analysis per FAA website = <Yes or No>
2. Hydrologic/Hydraulic Analysis/RIDB Dataset
   1. Design discharge methodology = <List method> <Design discharges are required to be verified by an Iowa DOT Prelim Unit engineer for waterway structures>
   2. Hydraulic analysis done = <Yes/No/Partial, if “yes” list the method, and if analysis is pre-survey or post survey level. Upload model files to project directory>
   3. If DA > 10 sq. mi. Riverine Infrastructure Database (RIDB) dataset is required with B1 submittal = <Yes or No> <If yes list RIDB network location.>
   4. <If RIDB required = Yes > Project development hydraulic analysis will comply with the RIDB Guidelines at a minimum.
3. Structure/Roadway Layout Considerations
   1. <Example: Roadway profile grade raise of XX’ anticipated or <roadway profile grade raise is not anticipated
   2. < Example: Shallow rock indicated by existing borings>
   3. <Example: Channel shift recommended>
   4. <etc.>
4. Special construction issues
   1. <Example: Shallow bedrock may require consideration of wall piers with spread footing on rock in lieu of pile bent piers.>
   2. <Example: It is desirable for new structure foundations to avoid existing foundations when possible>
5. Special survey = <Yes-See below or No >
6. Aesthetic enhancements = <Yes or No>
7. Other
   1. <Maintenance of Traffic – Off site detour, On-Site detour, Staged construction, etc.
   2. <Potential downdrag issue (e.g. bridge replacement with RCB using the flowable mortar method)
   3. <List key design constraints or useful information to pass on to the preliminary designer.>

**Special Survey:**

<State None or list special requirements above the normal bridge survey here. For example, lowest ground floor elevations for structures, survey of up or downstream structures, etc. >