**Bridge Cost Estimate and Analysis for Concept Statement**

**Location:**

County: <County> County Phase No.: <Phase #/Project #>

Des. No.: <#(s)> Project Code: <Project Code,PIN #>

Maint. No.: <0000.0x000> FHWA No.: <#(s)>

On <Route over Crossing> Sta.: <Station>

Section <#, T-##N, R-##W>

Functional Class: <See SIA> ADT: <See Repl. Request or SIA>

By: <Preliminary Designer> Date: <Date>

**Existing Bridge:**

Type: <Ex.PPCB/CCS,CWG,RCB> Length x Width: ??’x ??’

Pier Type: <Ex.T-Pier/Pile Bent> Abut. Type: <Ex.Integral/Stub/SemiInt.>

Spans: ??, ??, ?? Approach Pavement Width: ??’

Skew: ?? deg <Lt/Rt> Ahead

Drainage Area: ?? sq. mi.

New/Reconstructed Roadway Width: <See Replacement Request>

**General Comments:**

* <Example: Other options reviewed but not carried forward, and the rationale for the decision not to carry forward>
* <List information it is wished to document that is not already part of the BSB Attachment>

**Option A –**

Type: <Type> Length x Width: ??’-0 x ??’-0

Pier Type: <Type> Abutment Type: <Type>

Spans: ??’-?, ??’-?, ??’-? Skew: ?? degrees <L.A. or R.A.>

Stage Traffic: <How is traffic maintained for this option Ex. Off-site detour, on-site detour, staged, ABC>

Costs:

Bridge - ?? sf @ $???/sf = $ ?,???,000

Remove Exist. Bridge ?? sf @ $??/sf = $ ??,000

Cofferdam – 2 EA @ $??/EA = $ ??,000

Revetment = $ ???,000

Mitigation = $ ???,000

Mobilization (10%) = $ ???,000

Contingency and Misc. (20%) = $ ???,000

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Total Option A $ ?,???,000

<Concept Layout Sheet Alternative A (Optional)>

<Copy Option A/rename for additional options. Other options may include a different bridge type, Culvert vs. bridge, Staged, ABC etc.>

**Accelerated Bridge Construction (ABC):**

<The proposed detour and associated out of distance travel should be provided by Pre-Design. A spreadsheet is available on the W drive Concepts folder can be copied to the project directory and used to perform the ABC Rating Score calculations>

The calculated ABC Rating Score based on Iowa DOT BDM Chapter 8 criteria and ?? miles out of distance travel of is ??.

<If ABC Rating Score is Less than 50 - Traditional construction may be appropriate. If issues arise relative to an off-site detour, staging complexities, or upon District request, an accelerated bridge option may be provided for evaluation.>

<If ABC Rating Score is 50-100 or if requested by the Concept Team, discuss preparation of an ABC Alternative with the Prelim Section Supervisor before proceeding>