Bridge Alternatives













ALTERNATIVE B - Concrete I-Girder



Reasons Not Carried Forward:

- a. Has minimal advantages over the continuous steel I-girder alternative
- b. Higher design complexity
- c. Increased construction risk

Reasons Not Carried Forward:

a. Deepest structure depth, resulting in increased grades and reduced sight distance on bridge compared to other alternatives

Reasons Not Carried Forward:

- a. Reduced sight distance compared to other alternatives
- b. Requires the most piers in the water compared to other structures, increasing risk in construction and environmental impacts

c. Increased complexity in design and maintenance



Steel I-Girder, 5 Span



Reasons Not Carried Forward:

- a. Increased construction complexity and risk compared to 5 span alternative
- b. Would likely require eight temporary structures to support bridge segments during construction, compared to four segments with the 5 span alternative
- c. The location of temporary structures would greatly reduce the navigational opening below the bridge during construction

Reasons Not Carried Forward:

- a. Required the most substructures of remaining alternatives
- b. Could limit the number of potential fabricators because of long beams required for structure