



Bridge Type Comparison Matrix

	DELTA / ARCH	TRUSS / TRUSS	GIRDER / ARCH	GIRDER / TRUSS
INPUT RECEIVED				
Incorporates Mariners Input	YES	YES	YES	YES
Incorporates Public Input on Design Aesthetic	More Favorable	Less Favorable	More Favorable	Less Favorable
ENVIRONMENTAL RESOURCE CONSIDERATIONS				
Number of In-Water Pier Pairs	13	13	19	19
Size of In-Water Piers	More Favorable	Less Favorable	Less Favorable	Less Favorable
Impact to Surface Water	More Favorable	Less Favorable	More Favorable	More Favorable
Impact to Mud Line (river bottom)	Less Favorable	Less Favorable	More Favorable	More Favorable
Compatibility with Historic Bridge	Less Favorable	More Favorable	Favorable	Favorable
ENGINEERING AND OPERATIONS CONSIDERATIONS				
Ease of Maintenance - Approach Spans	Very Good	Good	Excellent	Excellent
Ease of Maintenance - Channel Span	Very Good	Good	Very Good	Good
Structural Redundancy - Approach Spans (key factor)	Excellent	Fair	Excellent	Excellent
Structural Redundancy - Channel Span (key factor)	Very Good	Fair	Very Good	Fair
Ease of Construction	Fair	Good	Excellent	Excellent
Trespasser Resistant From Water	Fair	Good	Excellent	Excellent
Side Span Navigation Clearance	Good	Very Good	Excellent	Excellent
Estimated Cost (2015 \$)	\$577 Million	\$623 Million	\$494 Million	\$516 Million

LEGEND

- Excellent
- Very Good
- Good
- Fair
- Less Favorable

