



TENNESSEE RIVER BRIDGE FEASIBILITY STUDY

Feasibility Decision Matrix

“Primary factors considered when developing alternatives”

Traffic Impacts	Impacts During Construction
Geometric Design	Utilities
Bridges	Construction Cost
Intersections	Flood Hazards
Right of Way Impacts	River Navigation Impacts
Environmental Impacts	

TENNESSEE RIVER BRIDGE FEASIBILITY STUDY DECISION MATRIX		Alternative						
		1	2	3	4	5	6	7
Traffic Impacts	Traffic							
	Travel Time (Bridge to Industrial)							
Geometric Design	Traffic (Intersections)							
	Bridge Profile							
Bridges	Profile at intersections							
	Number of Bridges							
	New Bridge Area to Maintain and Inspect (SFT)							
Intersections	Long-Term Maintenance							
	Sideroad 1							
	Sideroad 2							
	Sideroad 3							
Right of Way Impacts	Market Street							
	North Side of Bridge							
	South Side of Bridge							
	River Crossing							
	R/W Acquisition							
Environmental Impacts	Residential Drives							
	Overall Environmental Impacts							
	Hazardous Materials							
	Wildlife & Aquatic Resources							
	Wetlands & Waters							
	Noise							
	Air Quality							
	Historic/Prehistoric Resources							
	Section 4(f) and Section 6(f) Resources							
	Land Use							
Impacts During Construction	River Hydraulics							
	Environmental Justice							
	Mainline							
Utilities	Grade Crossings							
	City Roads							
Cost Data	Overall Utility Impacts							
	Total Costs							
Impact Summary								

