

Cut on the "inside" of the two gray lines for a Finished Trimmed Board is 36" h x 48" w







# Beckett Bridge *PD&E Study*

## Alternatives Evaluation Matrix

IMPACT EVALUATION CRITERIA	NO BUILD	NO BUILD/REMOVE BRIDGE	REHABILITATION	NEW MOVABLE BRIDGE	NEW FIXED BRIDGE	NEW FIXED BRIDGE
Roadway/Bridge Issues				Recommended Alternative	OPTION A	OPTION B
Width of Vehicular Travel Lanes	10 feet	N/A	10 feet	11 feet	11 feet	11 feet
Shoulders	None	N/A	None	5.5 feet	4.5 feet	4.5 feet
Sidewalks	2'2"	N/A	2' 2"	6 feet-Both Sides	6 feet-One Side Only	6 feet-One Side Only
Meets Current Design/Safety Standards	No	N/A	No	Yes	Yes	Yes
Structural Deficiencies Corrected	No	N/A	Yes	Yes	Yes	Yes
Vertical/Horizontal Channel Clearance	6 feet/25 feet	N/A	6 feet/25 feet	7.8 feet/25 feet	28 feet/25 feet	28 feet/25 feet
Bridge Openings	No Change	N/A	No Change	Minimal to No Change	None	None
Right of Way Issues						
Overall Bridge Width	28 feet	N/A	28 feet	47.2 feet	39.6 feet	39.6 feet
Area Impacted	None	None	None	None	2 acres	2 acres
Relocations	None	None	None	None	5 Residences	3 Residences, 7 Mobile Homes
Other Impacts	None	None	None	None	Yacht Club Parking Driveways on South Side, East of Bridge	Yacht Club Parking Driveways on South Side, East of Bridge
Environmental Impacts						
Impacts to Historic Resources	None	None	High	High	High	High
Wetlands	None	Low	Low	0.03 acre	0.02 acre	0.03 acre
Wildlife	None	Low	Low	Low	Low	Low
Parks/Recreation	None	None	None	None	None	None
Visual Impacts	None	None	Low	Low	High	High
Noise Impacts (Permanent)	None	None	None	Low	Low	Low
Costs						
Total Project Costs <sup>1</sup>	N/A	\$0.9 M (Demolition)	\$9.5 M	\$15.8 M	\$11.0 M (Plus ROW Costs = \$4.0 M)	\$11.0 M (Plus ROW Costs = \$2.9 M)
Construction Impacts						
Detour Duration	N/A	Permanent	6 months	12 months	24 months	24 months
Total Construction Time	N/A	N/A	12 months	24 months	24 months	24 months
Anticipated Service Life	10 years or less	10 years or less	25-30 years	75 years	75 years	75 years

<sup>1</sup>Costs include demolition, roadway and bridge construction, mobilization, maintenance of traffic, aesthetic enhancements, engineering design, construction engineering inspection (CEI) and contingency.