



# Alternatives Evaluation Matrices

Evaluation Criteria	No-Action Alternative	Build Alternative 1 Rehabilitation	Build Alternative 2 Replacement
Replaces Existing Foundation	No	Yes	Yes
Replaces Existing Bridge Riding Surface & Arch	No	Yes	Yes
Removes Weight Limit Restrictions	No	Yes	Yes
Bridge Life	15 to 25 years	75 years (remaining historic bridge elements 15 – 25 years)	75 years
Bridge Width / Length (feet)	20 / 43	20 / ~65	27 / ~46
Rehabilitates Oolitic Limestone Facade	No	No	Potential Reuse
Bridge Under Clearance	5.5 feet (field measure 6/9/2020)	Maintains Existing	Meets Current Criteria
Maintains Bridge Historic Integrity	Uncertain Duration	No - Adversely Affects Bridge's Historic Integrity	No - Adversely Affects Bridge's Historic Integrity
Construction Damage Risk	None	High	Not Applicable
Provides Enhanced Operations and Safety	No	No	Yes
Meets Project Purpose & Need	No	Yes	Yes

## Alternative Characteristics Evaluation Matrix

Evaluation Criteria	No-Action Alternative	Build Alternative 1 Rehabilitation	Build Alternative 2 Replacement
Potential ROW Impacts (Temporary)	0	0.02	0.02
Community Use Parcel Impacts (Temporary)	0	1	1
Residential Parcel Impacts	0	0	0
Potential Wetland (NWI) Impacts (acres)	0	0.1	0.1
Potential Surface Water Impacts (acres)	0	0.1	0.1
Increased Shading Impacts	No	No	Yes
Potential Species Habitat Impacts (acres)	0	0.11	0.11
Potential Number of NRHP-eligible Resources Impacts	0	3	3
Preliminary Construction Costs	\$0	\$1.68 Million	\$1.2 Million

## Alternative Impact Evaluation Matrix

