

Appendix C

Conceptual Cost Estimate

CONCEPTUAL

Pre-Design Estimate of Potential Project Cost

Bridge Replacement

Costs are reflective of current 2019 bid pricing

PROJECT: Waterville-Winslow, Ticonic Bridge #2854				WIN: 23138.00		
Alternative 1: Superstructure Replacement with Arch Removal Conventional Constr, 4 lane bridge, shlds, 2 sidewalks Deck Area = 44,175 SF, Plan Area of Arch Removal =				ESTIMATED BY: HNTB		
				DATE: March 31, 2020		
SUPERSTRUCTURE						
	44,175	SF	×	\$285.00	=	\$12,590,000
ABUTMENTS						
	2	EA	×	\$1,500,000.00		\$3,000,000
PIER						
	1	EA	×	\$1,850,000.00		\$1,850,000
CONSTRUCTION						
	1	LS	×	\$5,000,000.00		\$5,000,000
REMOVE EXISTING GIRDER						
	1	LS	×	\$1,250,000.00	=	\$1,250,000
REMOVE EXISTING ARCH						
	1	LS	×	\$2,000,000.00	=	\$2,000,000
TRAFFIC CONTROL						
	1	LS	×	\$600,000.00	=	\$600,000
CONTINGENCIES				15%	=	\$3,944,000
MISCELLANEOUS (TCP'S, FIELD OFFICE, ETC.)				10%	=	\$2,629,000
MOBILIZATION				10%	=	\$2,629,000
STRUCTURE SUBTOTAL					=	\$35,500,000
APPROACHES						
	1	LS	×	\$830,000.00	=	\$830,000
MISCELLANEOUS				10%	=	\$83,000
MOBILIZATION				10%	=	\$83,000
APPROACHES SUBTOTAL					=	\$1,000,000
TOTAL CONSTRUCTION COST					=	\$36,500,000
PRELIMINARY ENGINEERING				1%	=	\$485,000
RIGHT OF WAY					=	\$15,000
CONSTRUCTION ENGINEERING				10%	=	\$3,500,000
OTHER:					=	\$0
TOTAL PROJECT COST					=	\$40,500,000

	Funding Year							Total
	2020	2021	2022	2023	2024	2025	2026	
Preliminary Engineering (PE)	\$ 161,651	\$ 161,651	\$ 161,699					\$ 485,000
Right of Way Acquisition (ROW)	\$ 5,000	\$ 5,000	\$ 5,001					\$ 15,000
Construction			\$ 7,300,000	\$ 7,300,000	\$ 7,300,000	\$ 7,300,000	\$ 7,300,000	\$ 36,500,000
Construction Engineering (CE)			\$ 700,000	\$ 700,000	\$ 700,000	\$ 700,000	\$ 700,000	\$ 3,500,000
Project TOTALs	\$166,650	\$166,650	\$ 8,166,700	\$ 8,000,000	\$ 8,000,000	\$ 8,000,000	\$ 8,000,000	\$ 40,500,000