

Bureau of Structures Cost Estimate Calculations - June 3, 2025				
TYPE OF ACTIVITY	UNIT	UNIT COST*	FORMULA	NOTES
REPLACE STRUCTURE	DECK AREA (SF)	\$220 PER SF	(deck area)*220*1.05	5% multiplier to assume that new bridge is larger than old. Federal FY 2024 total structure costs for off system bridges.
REPLACE DECK	DECK AREA (SF)	\$60 PER SF	(deck area)*60	
CONCRETE OVERLAY	DECK AREA (SF)	\$46 PER SF	(deck area)*46	
THIN POLYMER OVERLAY	DECK AREA (SF)	\$5 PER SF DECK	(deck area)*5	
HMA OVERLAY WITH MEMBRANE	DECK AREA (SF)	\$17 PER SF DECK	(deck area)*17	
CULVERT REPLACEMENT	BARREL LENGTH (LF)	\$3600 PER LF	(culvert barrel length) * 3600	Assumes a two-cell concrete box culvert as the replacement structure.
REPAIR OR REPLACE BEARINGS	BEARINGS (EA)	\$3000 PER BEARING	(# of bearings)*3000	Assumes bearings are replaced with laminated elastomeric bearings.
REPAIR OR REPLACE JOINTS	JOINTS (LF)	\$500 PER LF JOINT	total_length_joint*500	Assumes joints to be replaced are strip seals. Cost includes strip seal and joint repair.
REPAINT SUPERSTRUCTURE	PAINT (SF)	\$38 PER SF	deck_area*38	

\*The square foot costs include all items shown on the structure plan except removing old structure. Costs also include a proportionate share of the project's mobilization, as well as structural approach slab costs, if applicable. However, square footage does not include the structural approach slabs, and is based on the length of the bridge from abutment to abutment. (It is realized that this yields a slightly higher square footage bridge cost for those bridges with structural approach slabs.)