

FAC 8525 Pedestrian Bridge

FY25 SUC: \$55.17 / SY

Source: Inflated from previous FY using ENR labor and material cost indices to measure actual inflation

Original Source: American Association of State Highway and Transportation Officials, and other industry sources, 2010

FAC 8525 Pedestrian Bridge

UM = SY

Mean Qty = 107

ESL = 35

Hourly rate taken from GSA Awarded rates for for Sr. Eng (\$129) and Technician (GS-9 S5: \$64)

Requirements		Unit	Qty	Unit Cost	Frequency (years)	Occurances over Lifetime	Extended Cost
	Inspection - preparation/review plans	HR	2	193.00	2	17	\$6,562.00
	Inspection - travel	HR	8	193.00	2	17	\$ 26,248.00
	Inspection - site work	HR	4	193.00	2	17	\$ 13,124.00
	Inspection - tests	EA	2	550	2	17	\$ 18,700.00
	Inspection - site work review, calculations &	HR	4	253.66	4	8	\$ 8,117.12
	Paint bridge structure	SF	963	22.49	10	3	\$ 64,972.17
	Replace deteriorated planks (10% required)	SF	96.0	136.34	10	3	\$ 39,265.92
TOTAL							\$ 176,989.21
PER UNIT (SY)							\$ 47.26

Reference:

AASHTO Manual for Inspection of Bridges and Recommendations for the Inspection and Maintenance of Steadfast Vehicular Bridges and Continental

Pedestrian Steel Bridges

2 years for Bridge Inspection, 10 year cycle for painting/plant replacement from ASCE J. Perf Constr. Fac/Vol 16/Issue2/TECHNICAL PAPERS "Life Cycle Cost Based Maintenance Plan for Steel Bridge Protection Systems"

Bridge Painting and plank Replacement unit costs from RS Means "Costworks" 2021Q3 FMR