

FAC 8525 PEDESTRIAN BRIDGE

SUC FY22: \$47.26 SY

Source: American Association of State Highway and Transportation Officials (AASHTO)
and other industry sources, 2018.

FAC 8525 Pedestrian Bridge

UM = SY

Mean Qty = 107

ESL = 35

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

Requirements		Unit	Qty	Unit Cost	Frequency (years)	Occurrences 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