

FAC 8714 LEVEES AND DIKES FOR GROUNDS DRAINAGE

FY22 SUC:	\$9.53 LF
Source:	Inflated from previous FY using ENR labor and material cost indices to measure actual inflation
Original Source:	RS Means/USACE (2006)

FAC 8714 SUC FY16v18 Levees and Dikes for Ground Drainage
2014 RPAD: 467 Assets
UM: LF
Average Size: 1092
ESL 39

Maintenance Type	Maintenance Activity	Frequcy	Duration (Hours) or total Qty (MFS)	Crew	Labor Rate (+ Fringe and Overhead)	Equipment	Equipment rate	Material	Material Quantity (Cu yds)	Material Cost / Unit	Cost / Occurance	Occurances in ESL	Cost Over Lifetime
Preventative Maintenance	Maintenance Inspection, Debris Removal, and Mechanical Component Testing	0.5	4	1 x WG9(5) 1 x WG7(5)	\$ 66.64	1 x Pickup Truck	\$ 13.65	0	0	0	\$ 321.16	78	\$ 25,050.61
Maintenance / Repair	Repair Embankment and side slopes	1	24	1 x WG11(5) 2 x WG9(5) 2 x WG7(5)	\$ 175.80	1 x Truck, Dump 1 x Flatbed, 2 Axil, 25T 1 xExcavator, 3/4 cu yd	\$ 75.45	Engineered Soil, Riprap, Machine Placed	16	\$ 54.50	\$ 6,901.88	39	\$ 269,173.51
Maintenance / Repair	Mowing	1	16.95			Tracktor w/brushhog	\$ 47.50	0	0	0	\$ 805.13	39	\$ 31,399.88
Sum of Costs over Lifetime													\$ 325,623.99
Cost per Year													\$ 8,349.33
Cost per UM													\$ 7.65

References
Equipment Costs: RS Means Facilities Construction Cost Data, 30th Ed
Labor Costs: 2015 Salary Tables from OPM.gov with Circular No. A-76 Revised
Material Costs: RS Means "Costworks" with Facility Maintenance and Repair Costbook, 2015Q3
USACE: Upper Mississippi River Restoration Environmental Management Program Design Handbook, Chapter 7 River Training Structures, 2014
DoD Real Property Categorization System (RPCS); 2015
DoD Real Property Assets Database, 2014

\$ 7.02