

## Bobcat Woods Trail Repair & Extension, Draft 4Dec14

### Bill of Materials

Element	Width, Feet	Length, feet	Depth, inches	Material Description	Cost Basis	\$/foot	Cost				
Concrete Trail	6	1300	4	Per spec of Dow Woods trail	Dow Woods trail section plus \$1.50/foot wood grain embossing	\$17.00	\$22,100.00				
Concrete Trail	6	30	6	Per spec of Dow Woods trail, thickened for crossing levy road.	Dow Woods trail section plus additional reinforcement and concrete and \$1.50/foot wood grain embossing	\$22.00	\$660.00				
Concrete stain	6	1330	NA	Direct Colors SSB	Dow Woods trail invoice @ \$1460 per 55 gallon drum, two drums		\$2,960.00				
Crushed concrete trail base	6	320	3	Vulcan materials	Dow Woods trail experience	\$1.97	\$629.40				
Granite topping, crushed concrete trail	6	320	1	Brazos Landscaping Supply	Dow Woods trail experience	\$1.37	\$439.77				
Galvanized edging		640	4		Dow Woods trail section	\$1.80	\$1,152.80				
Resurface existing boardwalk	6	1010	2	TanDek tong-in-groove, 2"X 6"X12' wood grain surface plastic composite decking with 2"X4"X12' composite edging	Dow Woods trail section. The Otter Slough Boardwalk used 2"X6"X16' TanDek for an 8-foot wide span, costing \$61.14 /foot.	\$58.11	\$58,687.57				
Decking surface over raised boardwalk over Cocklebur Slough	6	530	2	TanDek tong-in-groove, 2"X 6"X12' wood grain surface plastic composite decking with 2"X4"X12' composite edging	Dow Woods trail section	\$58.11	\$30,796.45				
Decking surface of ramp to reservoir observation deck.	6	200	2	TanDek tong-in-groove, 2"X 6"X12' wood grain surface plastic composite decking with 2"X4"X12' composite edging	Dow Woods trail section	\$58.11	\$11,621.30				
Railing for raised boardwalk over Cocklebur Slough		<530			Mimic railing for boardwalk at Anahuac NWR headquarters		\$4,000.00				
Railing for one side of ramp to reservoir observation deck.		<200			Mimic railing for boardwalk at Anahuac NWR headquarters		\$1,200.00				
Repair of support structure under existing boardwalk	6	1010	Varies	Replace defective stringers and add stringers for max 16' span.	Ground contact rated pressure treated pine		\$3,000.00				
Support structure for slough boardwalk	6	530	Varies	8" diameter butt tapered, diven timber piles space every ten feet in length, 3" X 10" cross bracing, 2X8 stringers max 16" centers with 2X8 blocking mid-span	experience from building boardwalk over Otter Slough, Brazoriz NWR.		\$10,000.00				
Support structure for ramp to reservoir	6	200	Varies	Probably 6"X6" inch pilings with 2X6 stringers	Depends on elevation on sloping ground		\$5,000.00				
Refurbish water well.					Experience from a nearby well rehab.		\$5,000.00				
Solar pump for well				Set pump and panels. Three-panel system mounted on galv. Steel 4" pole top of pole mount.	3/1//2014 invoice from Blue Water Pump and Well Service		\$5,700.00				
Floating platform on slough for pond life exercise							\$2,000.00				

