

Option A – Pan footing boardwalk



6' Boardwalk w/pan				
Removal & Installation				\$3,400
Boardwalk	700	\$185		\$129,500
Decking				\$5,000
				<u>\$137,900</u>



Positives:

-) Lowest initial cost
-) Replaces wood frame with galvanized steel frame

Negatives:

-) Fewer companies recognize this installation as an industry standard
-) More applicable for dry land use (not the Middleton Hills setting)
-) Ideally we would want to reuse pads the pan sits on, however, they may be difficult to uncover and the new sections may not line-up the same that the old sections did.
-) Will not support UTV traffic, unable to clear snow from the boardwalk

Annual Maintenance:

-) minimal, occasional replacement of toe kicks or deck board

Replacement:

-) every 15 years requires new decking in 2033 @ \$7500 and 2048 @ \$10,000
-) anticipate some replacement of pans every 30 years

Option B – Helical Pile Boardwalk



6' Boardwalk w/ helical piles				
Removal & Installation				\$3,400
Mobilization		\$2,000		\$2,000
Helical Piles	38	\$800		\$30,400
Boardwalk	700	\$185		\$129,500
				<u>\$165,300</u>



Positives:

-) Industry standard in poor soils and standing water conditions
-) Can be vehicle rated allowing snow removal

Negatives:

-) Highest Initial Cost

Annual Maintenance:

-) minimal, occasional replacement of toe kicks or deck board

Replacement:

-) every 15 years requires new decking in 2033 @ \$7500 and 2048 @ \$10,000
-) anticipate some replacement of piles every 30 years

Option C – Paved path, remove boardwalk



Remove Boardwalk, pave path			
Removal			\$1,700
Mobilization			\$5,000
Erosion Control			\$8,000
Gabion Removal	4	\$2,500	\$10,000
Storm Sewer			\$37,440
Compacted Fill			\$20,000
3" Breaker Run w/ fabric	870	\$25	\$21,750
Dense Graded Base Course	870	\$22	\$19,140
Grading			\$10,000
Asphalt	190	\$110	\$20,900
			\$153,930

Positives:

-) Allows snow removal
-) Requires no annual maintenance
-) For those with physical impairments a smooth surface asphalt trail is typically preferred

Negatives:

-) Eliminates boardwalk which many users have an emotional connection with
-) Negative connotation of paving in conservancy areas

Annual Maintenance:

-) None

Replacement:

-) every 30 years, projected asphalt replacement in 2048 @ \$75,000