



Job	I-2513 AC Wall	Station :	83+50.80	Page	_____	of	_____
Description	Working Days Estimate	Project No	60646756	Sheet	_____	of	_____
		Comp. by :	BC	Date	_____	7/9/26	
		Checked by	GRC	Date	_____	7/14/26	

NCDOT WORKING DAYS ESTIMATE

WALLS

Operation	Est. Days	Element	Con- Current	Production Rate
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MSE Wall #RW1	42	02		200 CY/day for excavation 2 days for initial section
No. Walls	1			2 days to pour the pad
LF walls	4331.0 ft			5 days to cure the pad
SF walls	4845.0 SF			500 SF per day to place panels
Excv	51.0 CY			200 LF per day for coping
Assume Avg	8.0 ft	25.0 ft		
Ht (Ft)				
Length	8.0 ft	25.0 ft		

MSE Wall #RW2	39	02		200 CY/day for excavation 2 days for initial section
No. Walls	1			2 days to pour the pad
LF walls	814.0 ft			5 days to cure the pad
SF walls	11810.0 SF			500 SF per day to place panels
Excv	7.8 CY			200 LF per day for coping
Assume Avg	2.0 ft	5.0 ft	8.0 ft	
Ht (Ft)				
Length	6.0 ft	6.0 ft	9.6 ft	

MSE Wall #RW3	52	02		200 CY/day for excavation 2 days for initial section
No. Walls	1			2 days to pour the pad
LF walls	1335.0 ft			5 days to cure the pad
SF walls	17495.0 SF			500 SF per day to place panels
Excv	4.0 CY			200 LF per day for coping
Assume Avg	7.0 ft			
Ht (Ft)				
Length	8.4 ft			

MSE Wall #RW4	16	02		200 CY/day for excavation 2 days for initial section
No. Walls	1			2 days to pour the pad
LF walls	298.0 ft			5 days to cure the pad
SF walls	2175.0 SF			500 SF per day to place panels
Excv	0.0 CY			200 LF per day for coping

MSE Wall #RW5	107	02		200 CY/day for excavation 2 days for initial section
No. Walls	1			2 days to pour the pad
LF walls	1599.0 ft			5 days to cure the pad
SF walls	44945.0 SF			500 SF per day to place panels
Excv	0.0 CY			200 LF per day for coping

Note: Walls 3 and 5 are constructed together in some areas, with surcharge and waiting periods.
Waiting period and concurrent construction are not considered in this calculation.



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MSE Wall #RW6	20	02		200 CY/day for excavation 2 days for initial section
No. Walls	1			2 days to pour the pad
LF walls	422.0 ft			5 days to cure the pad
SF walls	3170.0 SF			500 SF per day to place panels
Excv	34.7 CY			200 LF per day for coping
Assume Avg	18.0 ft	12.0 ft	6.0 ft	
Ht (Ft)				
Length	18.0 ft	12.0 ft	6.0 ft	

MSE Wall #RW7	15	02		200 CY/day for excavation 2 days for initial section
No. Walls	1			2 days to pour the pad
LF walls	270.0 ft			5 days to cure the pad
SF walls	1500.0 SF			500 SF per day to place panels
Excv	2.0 CY			200 LF per day for coping
Assume Avg	5.0 ft			
Ht (Ft)				
Length	6.0 ft			

MSE Wall #RW8	16	02		200 CY/day for excavation 2 days for initial section
No. Walls	1			2 days to pour the pad
LF walls	590.0 ft			5 days to cure the pad
SF walls	1410.0 SF			500 SF per day to place panels
Excv	6.3 CY			200 LF per day for coping
Assume Avg	10.0 ft			
Ht				
Length	7.0 ft			

MSE Wall #RW9	23	02		200 CY/day for excavation 2 days for initial section
No. Walls	1			2 days to pour the pad
LF walls	205.0 ft			5 days to cure the pad
SF walls	5755.0 SF			500 SF per day to place panels
Excv	0.0 CY			200 LF per day for coping

Soil Nail Wall #RW10	20			
No. Walls	1		10	nails per day
LF walls	305.0 ft		3	day per 100 LF
Sf Wall	3885.0 ft		1	day additional when former liners are required
Nails	156			200 LF per day for coping

Soil Nail Wall #RW11	32			
No. Walls	1		10	nails per day
LF walls	580.0 ft		3	day per 100 LF
Sf Wall	6360.0 ft		1	day additional when former liners are required
Nails	255			



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NCDOT WORKING DAYS ESTIMATE

WALLS

Operation	Est. Days	Element	Current	Production Rate
MSE Wall #RW12	35	02		200 CY/day for excavation 2 days for initial section 2 days to pour the pad 5 days to cure the pad 500 SF per day to place panels 200 LF per day for coping
No. Walls	1			
LF walls	268.0 ft			
SF walls	11180.0 SF			
Excv	59.8 CY			
Assume Avg	25.0 ft	15.0 ft		
Ht				
Length	22.5 ft	13.5 ft		

Soil Nail Wall #RW13	6			
No. Walls	1		10	nails per day
LF walls	130.0 ft		3	day per 100 LF
Sf Wall	965.0 ft		1	day additional when former liners are required
Nails	39			

Soil Nail Wall #RW14	35.5			
No. Walls	1		10	nails per day
LF walls	378.0 ft		3	day per 100 LF
Sf Wall	7875.0 ft		1	day additional when former liners are required
Nails	315			

Soil Nail Wall #RW15	165			
No. Walls	1		10	nails per day
LF walls	1260 ft		3	day per 100 LF
Sf Wall	37950.0 ft		1	day additional when former liners are required
Nails	1518			

Soil Nail Wall #RW16	77			
No. Walls	1		10	nails per day
LF walls	1042 ft		3	day per 100 LF
Sf Wall	16465.0 ft		1	day additional when former liners are required
Nails	659			

MSE Wall #RW18	45	02		
No. Walls	1			200 CY/day for excavation 2 days for initial section 2 days to pour the pad 5 days to cure the pad 500 SF per day to place panels 200 LF per day for coping
LF walls	748 ft			
SF walls	15415.0 SF			
Excv	22.0 CY			
Assume Avg	7.0 ft	14.0 ft	10.0 ft	
Ht				
Length	6.0 ft	9.8 ft	7.0 ft	



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Soldier Pile Wall #RW21		13	02		200 CY/day for excavation 2 days for initial section
No. Walls	1				2 days to pour the pad
LF walls	106 ft				5 days to cure the pad
SF walls	735.0 SF				500 SF per day to place panels
Excv	2.2 CY				200 LF per day for coping
Assume Avg	5.5 CY				
Ht					
Length	5.5 ft				

CIP Wall #RW27		15	02		200 CY/day for excavation 2 days for top section
No. Walls	1				2 days to pour the wall
LF walls	20.0 ft				5 days to cure the wall
SF walls	80.0 SF				500 SF per day to place panels
Excv	0.4 CY				200 LF per day for coping
Assume Avg	2.0 ft	1.0 ft			1 Day for drilling, 1 Day to set and pour concrete, 1 day set in place
Ht					
Length	2.0 ft	1.0 ft			

note: Wall 28 included with bridge plans

CIP Wall #RW30		35	02		200 CY/day for excavation 9 days for top section
No. Walls	1				4 days to pour the pad
LF walls	824 ft				7 days to cure the pad
SF walls	4525.0 SF				500 SF per day to place panels
Excv	0.0 CY				200 LF per day for coping

CIP Wall #RW31		70	02		200 CY/day for excavation 20 days for Top section
No. Walls	1				6 days to pour the pad
LF walls	1752 ft				9 days to cure the pad
SF walls	10960.0 SF				500 SF per day to place panels
Excv	2.7 CY				200 LF per day for coping
Assume Avg	6.0 ft				1 Day for drilling, 1 Day to set and pour concrete, 1 day set in place
Ht					
Length	6.0 ft				

CIP Wall #RW32		22	02		200 CY/day for excavation 3 days for Top section
No. Walls	1				3 days to pour the pad
LF walls	331 ft				6 days to cure the pad
SF walls	1820.0 SF				500 SF per day to place panels
Excv	3.6 CY				200 LF per day for coping
Height	7 ft				1 Day for drilling, 1 Day to set and pour concrete, 1 day set in place
Length	7 ft				