

Estimate of Earthwork Quantities

Computed by	Jon Hultgren							
Project:	05HN Exit 4					Date		11/1/2024
Quantities were calculated Volumetrically		Quantities						
Corridor/Model	Station	Excavation	Removals	Total	Embankment	Shrink %	Embankment + %	Algebraic Sum
Year 1								
I 229						30%		
SB S	178+00 to 207+25	15,662	(7,644)	8,018	10,288	30%	13,374	
South Berm		5,492		5,492	23	30%	30	
SB N	210+25 to 245+03	12,760	(7,905)	4,855	8,068	30%	10,489	
North Berm		2,863		2,863	95	30%	123	
I-229 Total		36,776	(15,549)	21,227	18,474	30%	24,016	(2,789.22)
Ramp A								
Ramp A		11,701	(1,480)	10,221	27,159	30%	35,306	
Ramp A Comp Fill		16,917		16,917	1,950	30%	2,535	
Ramp A ditch		166		166	715	30%	930	
Ramp E		504		504	652	30%	847	
Ramp A Total		29,287	(1,480)	27,807	30,475	30%	39,618	(11,810.84)
Ramp D								
Ramp D		7,444	(1,074)	6,371	6,601	30%	8,581	
Ramp D Ditch		3,451		3,451	183	30%	238	
Ramp H		1,849		1,849	225	30%	292	
Ramp D Total		12,744	(1,074)	11,670	7,008	30%	9,111	2,559.34
Cliff Ave	115+30 to 127+35							
NB Cliff		7,273	(3,798)	3,476	43	20%	52	
SB Cliff		5,785		5,785	585	20%	702	
Cliff Total		13,059	(3,798)	9,261	628	20%	754	8,506.73
41st Street				-			-	
41st Street		11,155	(2,884)	8,271	404	20%	485	
41st ret North		374		374	7	20%	9	
42nd ret South		890		890	28	20%	33	
Pond A		9,638		9,638	49	20%	59	
Pond B		4,805		4,805	1	20%	1	
Pond C		14,420		14,420	598	20%	718	
Pond D		2,432		2,432	1	20%	1	
41st Street Total		43,714	(2,884)	40,831	1,088	20%	1,305	39,525.51

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Pam Road				-			-	
Pam		509	(116)	393	14	20%	16	
Walk		112		112	21	20%	25	
Pam Total		621	(116)	505	34	20%	41	463.93
School				-			-	-
School		1,270	(545)	725	29	20%	34	
Ret South		234		234	4	20%	5	
Ret North		197		197	6	20%	7	
Parking		2,141		2,141	40	20%	48	
Parking 2		755		755	1	20%	1	
School Total		4,596	(545)	4,051	79	20%	95	3,956.20

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Year 2								
I 229							-	
NB_S	178+00 to 207+25	15,344	(7,332)	8,012	7,771	30%	10,103	
West Berm		5,472		5,472	23	30%	30	
NB_N	210+25 to 245+03	15,695	(9,055)	6,640	21,493	30%	27,941	
East Berm		2,863		2,863	95	30%	123	
Crossover Removal		36,643		36,643	-	30%	-	
I-229 Total		76,016	(16,387)	59,629	29,382	30%	38,197	21,431.61
Ramp B				-			-	
Ramp B		3,369	(1,238)	2,131	18,603	30%	24,183	
Ramp B ditch		477		477	486	30%	631	
Ramp F		3,857		3,857	1,311	30%	1,705	
Ramp B Total		7,702	(1,238)	6,464	20,400	30%	26,520	(20,055.52)
Ramp C				-			-	
Ramp C		13,437	(1,045)	12,392	8,883	30%	11,548	
Ramp C comp Fill		1,471		1,471	157	30%	204	
Ramp C Ditch		350		350	639	30%	830	
Ramp G		3,398		3,398	828	30%	1,076	
Ramp C Total		18,657	(1,045)	17,612	10,506	30%	13,658	3,953.81
Cliff Ave				-			-	
NB Cliff	105+40 to 115+30	5,788	(3,202)	2,586	79	20%	95	
SB Cliff	105+40 to 115+30	3,596		3,596	943	20%	1,132	
Cliff Total		9,384	(3,202)	6,182	1,022	0	1,431	4,750.97
Trail								
Trail		6,962		6,962	709	30%	921	6,040.17
Total		259,519.06	(47,318.07)	212,200.99	119,806.92	3.30	155,668.29	56,532.70