

5/19/2023  
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c:\users\mferguson\documents\working\paw\working\dms43124\R2707E\_RDY\_PSH\_03B-01\_Earthwork-Summer.ydgn  
mferguson

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PROJECT REFERENCE NO. SHEET NO.  
R-2707E 3B-1

# SUMMARY OF EARTHWORK IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- LT 851+00.00 TO 875+00.00	1,177		21,177	20,000	
-PVTENT2- 10+75.00 TO 12+75.00	111		138	27	
SUBTOTAL	1,288		21,315	20,027	
-L- MED 851+00.00 TO 875+00.00	1,286		1,535	249	
SUBTOTAL	1,286		1,535	249	
-L- RT 851+00.00 TO 875+00.00	29,141		6,905		22,236
SUBTOTAL	29,141		6,905		22,236
-L- LT 875+00.00 TO 913+00.00	19,551		15,134		4,417
-SR6- 12+00.00 TO 31+03.30	11,354		70,672	59,318	
-Y42RPB- 10+00.00 TO 25+75.11	4,557		80,267	75,710	
-Y41- 10+00.00 TO 17+37.51	187		39,034	38,847	
-RABT2- 10+00.00 TO 12+89.02			21,589	21,589	
-Y42- 14+01.49 TO 15+34.00			24,700	24,700	
-Y42RPA- 10+00.00 TO 23+66.43	2,355		95,504	93,149	
-SR7- 10+42.56 TO 30+00.00	27,265		78,459	51,194	
-PVTENT3- 10+12.00 TO 11+80.00	38		1,864	1,826	
-PVTENT4- 10+12.00 TO 11+20.00	30		132	102	
SUBTOTAL	65,337		427,355	366,435	4,417
-L- MED 875+00.00 TO 913+00.00	6,740		4,110		2,630
SUBTOTAL	6,740		4,110		2,630
-L- RT 875+00.00 TO 913+00.00	4,315		3,988		327
-Y42RPC- 10+00.00 TO 25+00.00	11,844		57,042	45,198	
-SR9- 10+00.00 TO 20+86.43	125		71,729	71,604	
-Y43- 10+50.00 TO 14+50.00	51		6,245	6,194	
-PVTENT1- 10+12.00 TO 11+48.83	25		3,508	3,483	
-RABT1- 10+00.00 TO 12+89.02			35,892	35,892	
-Y42- 10+66.00 TO 12+20.82			38,101	38,101	
-Y42RPD- 10+17.06 TO 30+00.00	11,714		130,277	118,563	
-SR10- 10+31.34 TO 28+50.00	16,361		60,443	44,082	
-SR9A- 10+50.00 TO 29+00.00	15,575		948		14,627
SUBTOTAL	60,010		408,171	363,115	14,954
-L- LT 913+00.00 TO 943+00.00	16,738		5,530		11,208
-SR7- 30+00.00 TO 60+00.00	33,476		39,931	6,455	
-Y46- 10+75.00 TO 14+79.57	359		141		218
-PVTENT5- 10+12.00 TO 10+90.00	9		316	307	
SUBTOTAL	50,582		45,919	6,762	11,425
-L- MED 913+00.00 TO 943+00.00	3,635		284		3,351
SUBTOTAL	3,635		284		3,351
-L- RT 913+00.00 TO 943+00.00	16,257		4,211		12,046
-SR8- 10+75.00 TO 25+00.00	5,039		1,662		3,377
-PVTENT6- 10+12.00 TO 11+31.02	75		121	46	
-PVTENT7- 10+12.07 TO 10+45.73	11		21	10	
SUBTOTAL	21,382		6,015	56	

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- LT 943+00.00 TO 957+00.00	501		1,359	858	
-SR7- 60+00.00 TO 79+52.00	5,266		20,732	15,466	
SUBTOTAL	5,767		22,092	16,324	
-L- MED 943+00.00 TO 957+00.00	1,050		1,465	415	
SUBTOTAL	1,050		1,465	415	
-L- RT 943+00.00 TO 957+00.00	1,372		197		1,175
-SR7- 60+00.00 TO 79+52.00	12,681		99		12,582
SUBTOTAL	14,053		296		13,757
PROJECT SUBTOTAL	260,271		945,461	773,384	88,194
MATERIAL FOR SHOULDER CONSTRUCTION			17,768	17,768	
FILL IN EXISTING CHANNEL			230	230	
LOSS DUE TO CLEARING AND GRUBBING	-15,000			15,000	
WASTE IN LIEU OF BORROW				-88,194	-88,194
PROJECT TOTALS	245,271		963,459	718,188	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				35,909	
GRAND TOTAL	245,271		963,459	754,097	
R-2707E SAY	246,000			755,000	

EST. DDE = 8,600 CY  
 EST. SHALLOW UNDERCUT = 1,000 CY (CONTINGENCY)  
 EST. SHALLOW UNDERCUT = 1,600 CY (BY STATION)  
 EST. CLASS IV SUBGRADE STABILIZATION = 5,200 TONS  
 PAVEMENT STRUCTURE VOLUME = 28,900 CY

Earthwork quantities are calculated by Stantec.  
 These earthwork quantities are based in part on subsurface data provided by Flacon Engineering.