

SUMMARY OF EARTHWORK
 (IN CUBIC YARDS)

STATION	STATION	UNCL. EXCAV.	UNDERCUT	EMBANK. +%	BORROW	WASTE
-DET- 8+90.00	20+80.72	2,416	2,369	3,943	1,547	2,389
-DET- 21+05.46	21+85.49			143	143	
-DET- 22+25.48	34+07.16	2,044	1,864	3,813	1,769	1,864
SUBTOTALS:		4,460	4,233	7,897	3,457	4,253
-YRPA- 9+42.95	25+61.88	3,156	2,594	11,030	8,232	2,952
-YRPB- 9+35.21	24+66.78	1,911	2,095	9,684	9,158	3,480
-YRPC- 9+75.36	27+12.17	2,525	1,464	14,784	13,412	2,617
-YRPD- 9+75.97	25+51.95	8,142	2,291	7,948	9	2,494
SUBTOTALS:		15,734	8,444	43,445	30,810	11,543
-Y- 17+55.00	28+91.30	428	83	42,248	41,836	99
-Y- 31+13.30	42+00.00	106		44,900	44,794	
SUBTOTALS:		534	83	87,147	86,629	99
-L-LT 20+00.00	50+00.00	1,401		3,345	1,944	
-L-LT 50+00.00	72+81.00	974		4,096	3,122	
-L-RT 28+00.00	58+00.00	1,662		6,885	5,223	
-L-RT 58+00.00	83+14.00	1,197		2,350	1,153	
SUBTOTALS:		5,234		16,676	11,442	
DETOUR REMOVAL						
-DET- 8+90.00	20+80.72	785		3,020	2,235	
-DET- 21+05.46	21+85.49	114				114
-DET- 22+25.48	34+07.16	1,186		2,555	1,369	
SUBTOTALS:		2,085		5,575	3,604	114
TOTALS:		28,047	12,760	160,740	135,942	16,009
MATERIAL FOR SHOULDER CONSTRUCTION				13,125	13,125	
LOSS DUE TO CLEARING AND GRUBBING		-1,125			1,125	
WASTE IN LIEU OF BORROW					-114	-114
SELECT GRANULAR MATERIAL IN LIEU OF BORROW				-19,188	-19,188	
ADDITIONAL UNDERCUT (CONTINGENCY)			3,100	3,875	3,875	3,100
PROJECT TOTALS:		26,922	15,860	158,553	134,766	18,995
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					6,737	
GRAND TOTALS:		26,922	15,860	158,553	141,504	18,995
SAY:		27,000	15,900	141,600		
UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE IN THE TOP 3' OF EMBANKMENT OR BACKFILL: -Y- 19+75 TO 20+25 (5 CY), -YRPA- 11+25 TO 13+25 (50 CY), -YRPA- 17+25 TO 20+25 (50 CY), -YRPA- 23+25 TO 25+25 (25 CY), -YRPB- 13+25 TO 16+25 (75 CY), -YRPB- 18+25 TO 21+25 (25 CY), -YRPC- 13+75 TO 15+75 (25 CY), -YRPC- 24+25 TO 26+75 (75 CY), -YRPD- 8+75 TO 14+25 (575 CY), -YRPD- 16+25 TO 21+25 (50 CY), -DET- 15+75 TO 20+25 (1,350 CY), -DET- 23+25 TO 26+75 (1,750 CY), -DET- 27+75 TO 28+25 (10 CY), -DET- 28+75 TO 29+25 (25 CY), CONTINGENCY (820 CY) PER GEOTECH						
EST. DDE = 11,800 CY						
TOTAL SHALLOW UNDERCUT = 2,250 CY						
TOTAL CLASS IV SUBGRADE STABILIZATION = 4,340 TON						
TOTAL SELECT GRANULAR MATERIAL = 15,850 CY						

Earthwork quantities are calculated by NCDOT Division 6. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

NOTE: AFTER TRAFFIC HAS BEEN PLACED IN ITS FINAL -Y- LOCATION, REMOVE -DET- PAVEMENT, STOCKPILE -DET- ABC, AND REGRADE -DET- AS DIRECTED BY THE ENGINEER.

SUMMARY OF PAVEMENT REMOVAL

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²
-L-	49+92.14	51+40.16	CL	176.48
-L-	51+79.57	53+51.04	CL	107.67
-DET-	10+98.00	20+69.97	CL	2,756.37
-DET-	21+10.07	21+89.58	CL	1,008.51
-DET-	22+30.08	32+00.58	CL	2,638.17
TOTAL:				6,687.20
SAY:				6,690.00

SUMMARY OF BREAKING EXISTING ASPHALT PAVEMENT

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²
-Y-	21+00.00	28+77.13	CL	2044.68
-Y-	31+27.46	39+00.00	CL	2094.30
TOTAL:				4138.98
SAY:				4200.00

SUMMARY OF SHOULDER BERM GUTTER

SURVEY LINE	STATION	STATION	LENGTH
-L- RT	71+42.97	73+55.47	212.50
-Y- LT	28+56.21	28+78.71	22.50
-Y- RT	27+28.32	28+75.76	147.44
-Y- LT	31+28.83	32+76.27	147.44
-Y- RT	31+25.89	31+48.38	22.29
TOTAL:			552.17
SAY:			553.00

SUMMARY OF WOVEN WIRE FENCE

STATION TO STATION	SIDE	A FABRIC LF.	B END BRACE	C CORNER BRACE	D LINE BRACE	E 4" POSTS	F 5" POSTS
-L- STA 20+00.00 TO STA 32+14.89	LT	1,214.89	1		4	79	14
-YRPB- STA 5+00.00 TO STA 23+62.07	LT	1,862.07		3	6	118	27
-L- STA 28+00.00 TO STA 32+30.00	RT	430.00	1		2	26	8
-YRPC- STA 5+00.00 TO STA 25+97.77	RT	2,097.77		3	7	133	30
-YRPA- STA 5+00.00 TO STA 24+62.32	RT	1,962.32		2	7	125	27
-L- STA 70+00.00 TO STA 71+25.00	LT	125.00	1		1	6	5
-YRPD- STA 5+00.00 TO STA 24+81.99	LT	1,981.99		2	7	127	27
-L- STA 71+13.15 TO STA 71+25.00	RT	11.85	1		1	-2	5
GRAND TOTALS:		9,685.89				614	143
SAY:		9,690				615	145
ADDITIONAL BARBED WIRE (CONTINGENCY)		500					

12/06/07

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