

12/06/07

COMPUTED BY: _____ DATE: _____
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STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS



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 Raleigh, N.C. 27606
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. 1-5786
 SHEET NO. 3B-1

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV.	EMBANK. +25%	BORROW	WASTE
-L- MEDIAN					
9+90.00	40+00.00	6,493			6,493
40+00.00	70+00.00	5,621			5,621
70+00.00	100+00.00	6,397			6,397
100+00.00	130+00.00	5,781			5,781
130+00.00	160+00.00	6,260			6,260
160+00.00	190+00.00	5,635			5,635
190+00.00	220+00.00	5,979			5,979
220+00.00	250+00.00	5,962			5,962
250+00.00	265+00.00	3,121			3,121
293+00.00	323+00.00	5,851			5,851
323+00.00	353+00.00	5,988			5,988
353+00.00	366+00.00	2,662			2,662
SUBTOTAL		65,750			65,750
-L- LEFT					
9+90.00	40+00.00	4,827	83		4,745
40+00.00	70+00.00	2,761			2,761
70+00.00	100+00.00	3,104	220		2,884
100+00.00	130+00.00	2,350	424		1,926
130+00.00	160+00.00	2,873	241		2,632
160+00.00	190+00.00	2,641	159		2,482
190+00.00	220+00.00	4,279	18		4,262
220+00.00	250+00.00	3,636	571		3,065
250+00.00	265+00.00	1,371	103		1,269
293+00.00	323+00.00	3,851	559		3,292
323+00.00	353+00.00	2,596	131		2,465
353+00.00	366+00.00	1,924	26		1,898
SUBTOTAL		36,213	2,533		33,679
-L- RIGHT					
9+90.00	40+00.00	4,734	369		4,365
40+00.00	70+00.00	2,810	8		2,803
70+00.00	100+00.00	2,935	254		2,681
100+00.00	130+00.00	2,370	1,791		579
130+00.00	160+00.00	2,788	95		2,693
160+00.00	190+00.00	2,663	226		2,437
190+00.00	220+00.00	3,418	266		3,152
220+00.00	250+00.00	2,734	161		2,573
250+00.00	265+00.00	1,280	93		1,188
293+00.00	323+00.00	3,278	826		2,452
323+00.00	353+00.00	2,636	161		2,475
353+00.00	366+00.00	1,871	499		1,372
SUBTOTAL		33,517	4,748		28,768
Y1					
15+50.00	16+29.86		1,923	1,923	
19+26.11	22+00.00		8,623	8,623	
SUBTOTAL			10,546	10,546	
Y4					
13+50.00	19+16.39		22,288	22,288	
21+34.89	25+50.00		22,260	22,260	
SUBTOTAL			44,548	44,548	
TOTAL		135,480	62,375	55,094	128,197
WASTE IN LIEU OF BORROW					
PROJECT TOTAL		135,480	62,375	55,094	128,197
SAY		140,000		56,000	75,000

Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²	
PAVEMENT REMOVAL FOR INSTALLATION OF TEMPORARY PAVEMENT					
-L-	9+90.00	82+33.37	RT	6439.17	
-L-	87+72.57	103+20.48	RT	1375.91	
-L-	103+40.93	142+60.34	RT	3483.51	
-L-	148+07.11	162+89.54	RT	1317.70	
-L-	162+36.33	250+91.54	RT	7878.57	
-L-	256+07.80	267+54.00	RT	1027.12	
-L-	288+94.00	315+64.55	RT	2382.54	
-L-	325+62.49	347+26.71	RT	1936.06	
-L-	352+00.00	368+10.00	RT	1800.17	
-L-	9+90.00	87+12.54	LT	6866.84	
-L-	87+15.02	103+70.83	LT	1471.84	
-L-	109+19.76	148+20.39	LT	3474.68	
-L-	147+84.73	163+24.76	LT	1368.92	
-L-	167+86.36	256+48.73	LT	7879.03	
-L-	256+21.51	269+44.00	LT	1175.56	
-L-	290+34.00	321+50.00	LT	2762.21	
-L-	327+55.09	349+12.57	LT	1917.74	
-L-	360+71.12	370+00.00	LT	809.17	
-L-	23+41.72	269+44.00	MED. LT	8514.51	
-L-	290+34.00	370+00.00	MED. LT	2934.93	
-L-	23+40.56	267+54.00	MED. RT	7093.11	
-L-	288+94.00	368+10.00	MED. RT	2239.20	
PAVEMENT REMOVAL FOR TEMPORARY PAVEMENT & OUTSIDE PAVED SHOULDER					
-L-	9+90.00	82+38.37	RT	7519.41	
-L-	87+72.57	103+20.48	RT	1567.85	
-L-	103+40.22	142+60.34	RT	3915.27	
-L-	148+07.11	162+89.54	RT	1579.75	
-L-	162+35.09	250+91.54	RT	9328.51	
-L-	255+98.48	267+54.00	RT	1228.46	
-L-	288+94.00	315+64.51	RT	2851.50	
-L-	325+62.49	347+40.57	RT	2376.48	
-L-	352+00.00	368+10.00	RT	1546.53	
-L-	9+90.00	87+13.32	LT	7899.32	
-L-	87+15.02	103+70.83	LT	1737.90	
-L-	109+19.76	148+21.81	LT	3893.48	
-L-	147+84.74	163+24.77	LT	1645.32	
-L-	167+86.36	256+49.49	LT	9157.68	
-L-	256+21.51	269+44.00	LT	1429.56	
-L-	290+34.00	321+50.00	LT	3115.92	
-L-	327+55.09	349+12.55	LT	2301.71	
-L-	360+81.12	370+00.00	LT	958.26	
				TOTAL:	140201.40
				SAY:	142000.00

PRE-CAST CONCRETE BARRIER DOUBLE FACED (ANCHORED)

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	EACH	
-L-	39+25.00	39+55.00	RT.	30.00	
				TOTAL:	30.00
				SAY:	30.00

SUMMARY OF BREAKING EXISTING ASPHALT PAVEMENT

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²	
-Y1-	15+50.00	16+57.12	CL	247.79	
-Y1-	18+97.73	22+00.00	CL	821.75	
-Y4-	13+50.00	19+20.84	CL	1447.85	
-Y4-	21+30.56	25+50.00	CL	1095.83	
				TOTAL:	3613.22
				SAY:	3800.00

DOUBLE FACED CONCRETE MEDIAN BARRIER

(SEE SHT. 2C-15, SPECIAL TYPE 'T' DOUBLE FACED CONCRETE BARRIER)

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	LF	
-L-	9+90.00	14+15.23	CL	425.23	
-L-	16+31.17	8923.77	CL	7292.60	
-L-	99+89.06	150+26.51	CL	5037.45	
-L-	160+57.77	197+80.10	CL	3722.33	
-L-	199+78.20	259+79.17	CL	6000.97	
-L-	300+00.00	336+70.25	CL	3670.25	
-L-	338+27.47	362+00.00	CL	2372.53	
				TOTAL:	28521.36
				SAY:	28700.00

DOUBLE FACED CONCRETE MEDIAN BARRIER TRANSITIONS

(SEE SHT. 2C-15, SPECIAL TYPE 'T' CONCRETE MEDIAN TRANSITION BARRIER)

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	EACH	
-L-	14+15.23	14+90.23	CL	1.0	
-L-	15+56.17	16+31.17	CL	1.0	
-L-	197+80.10	198+55.10	CL	1.0	
-L-	199+03.20	199+78.20	CL	1.0	
-L-	336+70.25	337+28.58	CL	1.0	
-L-	337+69.13	338+27.47	CL	1.0	
				TOTAL:	6.0
				SAY:	6.0

MEDIAN HAZARD PIER PROTECTION
 (SEE SHEET 2C-19)

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	LINEAR FOOT	
-L-	14+90.23	15+56.17	MED	65.94	
-L-	198+55.10	199+03.20	MED	48.10	
-L-	337+28.58	337+69.13	MED	40.55	
				TOTAL:	154.59
				SAY:	170.00

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