COMPUTED BY: MET DATE: 04/03/00
CHECKED BY: DATE:

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-2562D	3-B

WETHERILL ENGINEERING
559 Jones Franklin Rd. Suite 164
Raleigh, N.C. 27606
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK
FOR NCDOT PROJECT R-2562D
IN CUBIC METERS

LOCATION	UNCL. EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
SUMMARY 1					
-LREV- 10+53.018 TO 20+00.000 (LEFT)	3313		3960	813	166
SUMMARY 1 SUBTOTAL	3313		3960	813	166
SUMMARY 2					
-LREV- 20+00.000 TO 30+00.000 (LEFT)	622		7243	6652	31
-Y1- 10+60.000 TO 11+17.195	33		83	52	2
-Y4- 10+09.084 TO 10+50.000	101				101
-Y5- 10+20.000 TO 10+56.670	11		1		10
SUMMARY 2 SUB TOTAL	767		7327	6704	144
SUMMARY 3					
-LREV- 30+00.000 TO 40+00.000 (LEFT)	509		4219	3736	26
-Y6A- 10+20.000 TO 10+91.769	63				63
-Y8- 10+20.000 TO 10+55.245	48				48
-Y9- 10+20.000 TO 10+40.943	40		28		12
-Y10- 10+00.000 TO 10+50.932	164				164
-Y11- 10+00.000 TO 10+51.000	31		1		30
-LREV- 33+34.000 TO 34+64.000 (LEFT) TEMP.			89	111	
SUMMARY 3 SUB TOTAL	855		4359	3847	343
SUMMARY 4					
-LREV- 40+00.000 TO -LREV- 48+23.582 (LEFT)	290		5199	4924	15
-L2REV- 48+23.582 TO -L2REV- 50+00.000 (LEFT)	74		974	904	4
SUMMARY 4 SUB TOTAL	364		6173	5828	19
SUMMARY 5					
-L2REV- 50+00.000 TO -L2REV- 56+12.292 (LEFT)	1371		141		1230
-L3- 19+35.644 TO -L3- 23+00.000 (LEFT)	2633		656		1977
-L2REV- 48+94 TO -L2REV- 51+15 (RIGHT) TEMP	40		203	165	2
-L2REV- 52+09 TO -L2REV- 52+87 (RIGHT) TEMP	6		11	6	1
SUMMARY 5 SUB TOTAL	4050		1011	171	3210
SUMMARY 6					
-L3- 23+00.000 TO 33+00.000 (LEFT)	2855		3370	658	143
SUMMARY 6 SUB TOTAL	2855		3370	658	143
SUMMARY 7					
-L3- 33+00.000 TO -L3- 34+65.685 (LEFT)	226		199		27
-L4- 34+65.685 TO -L4- 41+08.271 (LEFT)	3957		76		3881
SUMMARY 7 SUB TOTAL	4183		275		3908
SUMMARY 8					
-LREV- 10+53.018 TO 20+00.000 (RIGHT)	8368		4023		4345
SUMMARY 8 SUB TOTAL	8368		4023		4345

LOCATION	UNCL. EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
SUMMARY 9					
-LREV- 20+00.000 TO 30+00.000 (RIGHT)	571		7205	6663	29
-Y2- 10+09.000 TO 11+00.000	190		276	96	10
-Y3- 10+09.285 TO 10+80.000	48		108	62	2
-Y4A- 10+09.084 TO 10+50.000	43				43
-Y5A- 10+09.000 TO 10+80.000	51				51
-Y6- 10+09.000 TO 10+30.000	21				21
SUMMARY 9 SUB TOTAL	924		7589	6821	156
SUMMARY 10					
-LREV- 30+00.000 TO 40+00.000 (RIGHT)	823		3365	2583	41
-Y7- 10+09.000 TO 10+60.000	45				45
-Y8- 10+73.267 TO 11+60.000	68		3		65
-Y10A- 10+09.143 TO 10+50.000	15		81	67	1
-LREV- 28+40 TO 37+00 (RIGHT) TEMP	1825		90		1735
SUMMARY 10 SUB TOTAL	2776		3539	2650	1887
SUMMARY 11					
-LREV- 40+00.000 TO -LREV- 48+23.582 (RIGHT)	487		4834	4371	24
-L1REV- 48+23.582 TO -L1REV- 50+00.000 (RIGHT)	273		1923	1664	14
-Y12- 10+09.000 TO 10+80.000	140				140
-Y13- 10+09.184 TO 10+60.000	35		5		30
-L6- 11+80.000 TO 17+57.233	1270		3136	1930	64
SUMMARY 11 SUB TOTAL	2205		9898	7965	272
SUMMARY 12					
-L1REV- 50+00.000 TO -L1REV- 56+21.880 (RIGHT)	8560		7285		1275
-L3- 19+35.644 TO -L3- 23+00.000 (RIGHT)	2318		3072	870	116
SUMMARY 12 SUB TOTAL	10878		10357	870	1391
SUMMARY 13					
-L3- 23+00.000 TO 33+00.000 (RIGHT)	3902		23236	19529	195
SUMMARY 13 SUB TOTAL	3902		23236	19529	195
SUMMARY 14					
-L3- 33+00.000 TO -L3- 34+65.685 (RIGHT)	56		2119	2066	3
-L5- 34+65.685 TO -L5- 41+02.419 (RIGHT)	7120		4663		2457
SUMMARY 14 SUB TOTAL	7176		6782	2066	2460
TOTAL	52616		91899	57922	18629
WASTE IN LIEU OF BORROW				-16004	-16004
LOSS DUE TO CLEARING & GRUBBING	-300			300	
EST SHOULDER MATERIAL			13875	13875	
5% TO REPLACE TOPSOIL ON BORROW PITS				2805	
GRAND TOTAL	52316		105774	58898	2635
SAY	55000			65000	
UNDERCUT EXCAVATION = 5500m3					

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