

**SUMMARY OF CONTINUOUSLY REINFORCED  
CONCRETE PAVEMENT REPAIR  
IN SQUARE YARDS (SY)**

LOCATION	MILEPOST	MILEPOST	LANE (LTRT)	YD <sup>2</sup>	NO.# OF PUNCHOUT	TOTAL REPAIRS AND REMOVAL (SY)
EBL	162.00	163.00	LT	10.67	3	32
			RT	10.67	23	245.33
EBL	163.00	164.00	LT	10.67	10	106.67
			RT	10.67	18	192
EBL	164.00	165.00	LT	10.67	9	96
			RT	10.67	22	160
EBL	165.00	166.00	LT	10.67	15	160
			RT	10.67	40	426.67
EBL	166.00	167.00	LT	10.67	15	160
			RT	10.67	15	160
EBL	167.00	168.00	LT	10.67	4	42.67
			RT	10.67	23	245.33
EBL	168.00	169.00	LT	10.67	4	42.67
			RT	10.67	23	245.33
EBL	169.00	170.00	LT	10.67	6	64
			RT	10.67	9	96
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WBL	162.00	163.00	LT	10.67	9	96
			RT	10.67	21	224
WBL	163.00	164.00	LT	10.67	2	21.33
			RT	10.67	28	298.67
WBL	164.00	165.00	LT	10.67	3	32
			RT	10.67	14	149.33
WBL	165.00	166.00	LT	10.67	0	0
			RT	10.67	15	160
WBL	166.00	167.00	LT	10.67	0	0
			RT	10.67	1	10.67
WBL	167.00	168.00	LT	10.67	0	0
			RT	10.67	2	21.33
WBL	168.00	169.00	LT	10.67	6	64
			RT	10.67	2	21.33
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TOTAL:					344	3654.66
SAY:					350	3660

\*LTRT LANE LOCATION IS RELATIVE TO DIRECTION OF TRAVEL.

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**SUMMARY OF CONCRETE  
PAVEMENT SLAB REMOVAL  
IN SQUARE YARDS**

LINE	STA TO STA	LOCATION	SQ. YDS.
L-LT	697+41 TO 701+14	WB	995
L-LT	703+35 TO 706+30	WB	787
L-RT	698+38 TO 701+68	EB	880
L-RT	703+90 TO 707+26	EB	896
TOTAL			3558
SAY			3560

**SUMMARY OF EARTHWORK  
IN CUBIC YARDS**

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT (+%)	BORROW	WASTE
<b>LEFT</b>					
-L- 519+00 TO 665+71	7,180				7,180
-L-LT- 642+48 TO 768+32	13,842				13,842
-L-RT- 665+71 TO 768+54	11,311				11,311
-L- 768+54 TO 865+00	5,609				5,609
<b>MEDIAN</b>					
-L- 519+00 TO 665+71	12,805				12,805
-L- 768+54 TO 865+00	10,003				10,003
<b>RIGHT</b>					
-L- 519+00 TO 665+71	7,180				7,180
-L-LT- 642+48 TO 768+32	7,318				7,318
-L-RT- 665+71 TO 768+54	5,980				5,980
-L- 768+54 TO 865+00	5,609				5,609
CROSSOVERS*	16,200	18,630	18,630	16,200	
<b>SHOULDER MATERIAL</b>					
-L- 519+00 TO 665+71		19,112	19,112		
-L-LT- 642+48 TO 768+32		13,807	13,807		
-L-RT- 665+71 TO 768+54		12,283	12,283		
-L- 768+54 TO 865+00		14,932	14,932		
<b>EXPRESSWAY GUTTER AND MEDIAN BORROW AREAS NOT INCLUDED ABOVE</b>					
EOT 1		599	599		
EOT 2		539	539		
EOT 3		271	271		
EOT 4		367	367		
EOT 5		323	323		
EOT 6		268	268		
EOT 7		623	623		
EOT 8		89	89		
EOT 9		4,635	4,635		
EOT 10		4,433	4,433		
EOT 11		1,512	1,512		
EOT 12		1,396	1,396		
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SUBTOTAL	103,037	93,827	93,827	103,037	
AS PER DIVISION: ESTIMATED 50% OF UNCLASSIFIED EXCAVATION SUITABLE FOR SHOULDER CONSTRUCTION TO BE USED IN LIEU OF SHOULDER MATERIAL.					
SUBTOTAL	103,037	93,827	42,308	51,518	
+5% TO REPLACE TOPSOIL AT BORROW PIT			2115		
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GRAND TOTAL	103,037	93,827	44,423	51,518	
SAY	103,100		44,500		
ESTIMATED SHALLOW UNDERCUT = 12,900 CY (SEE SHEET 3G-1)					

\*NOTE: QUANTITIES FOR EXCAVATION AND WASTE COVER THE REMOVAL OF THE CROSSOVERS ONCE CONSTRUCTION IS COMPLETE.

CONTINGENCY ITEM: ESTIMATED DDE = 914 CY

**GUARDRAIL SUMMARY**

SURVEY LINE	BEG. STATION	END STATION	LOCATION	LENGTH		ANCHORS (MASH APPROVED)			RELAP GUARDRAIL	REMOVE EXISTING GUARDRAIL	TEMPORARY GUARDRAIL	REMARKS	
				STRAIGHT	SHOP CURVED	GREU, TL-3	CAT-1	B-77					
L	519+00	521+00	LT.	200						200		REMOVE & REPLACE TIE INTO EXISTING	
L	519+00	520+00	RT. MED	100			1			100		REMOVE & REPLACE TIE INTO EXISTING	
L	519+00	520+00	LT. MED	100			1			100		REMOVE & REPLACE TIE INTO EXISTING	
L	525+94	534+94	RT.	907			1	1		907		REMOVE & REPLACE AT EXISTING LOCATION	
L	528+93	539+83	LT.	1087			1	1		1087		REMOVE & REPLACE AT EXISTING LOCATION	
L	549+69	553+00	RT.	331			1	1		331		REMOVE & REPLACE AT EXISTING LOCATION	
L	551+94	555+17	LT.	324			1	1		324		REMOVE & REPLACE AT EXISTING LOCATION	
L	555+58	570+27	RT.	1471			1	1		1471		REMOVE & REPLACE AT EXISTING LOCATION	
L	557+58	570+17	LT.	1264			1	1		1264		REMOVE & REPLACE AT EXISTING LOCATION	
L	581+50	588+70	RT.	718			1	1		718		REMOVE & REPLACE AT EXISTING LOCATION	
L	596+32	604+09	LT.	777			1	1		777		REMOVE & REPLACE AT EXISTING LOCATION	
L	617+92	625+96	RT.	805			1	1		805		REMOVE & REPLACE AT EXISTING LOCATION	
L	624+03	627+29	LT.	326			1	1		326		REMOVE & REPLACE AT EXISTING LOCATION	
L	633+05	639+01	RT.	595			1	1		595		REMOVE & REPLACE AT EXISTING LOCATION	
L-LT	634+67	642+58	LT.	791			1	1		791		REMOVE & REPLACE AT EXISTING LOCATION	
L	650+71	655+10	RT. MED	440			2		440	440		REMOVE & REPLACE AT EXISTING LOCATION	
L	651+45	655+03	RT.	359			1	1		359		REMOVE & REPLACE AT EXISTING LOCATION	
L-LT	652+69	660+07	LT.	738			1	1		738		REMOVE & REPLACE AT EXISTING LOCATION	
L-LT	653+08	657+75	RT.	469			2		469	469		REMOVE & REPLACE AT EXISTING LOCATION	
L-RT	667+12	683+29	LT.	1612			2		1612	1612		REMOVE & REPLACE AT EXISTING LOCATION	
L-RT	672+69	680+96	RT.	832			1	1		832		REMOVE & REPLACE AT EXISTING LOCATION	
L-LT	673+48	687+95	RT.	1447			2		1447	1447		REMOVE & REPLACE AT EXISTING LOCATION	
L-LT	673+70	688+08	LT.	1438			1	1		1438		REMOVE & REPLACE AT EXISTING LOCATION	
L-RT	692+66	701+62	LT.	897			1		897	905		REMOVE & REPLACE/TIE TO BRIDGE	
L-LT	699+07	700+65	RT.	152			1	1	152	203		REMOVE & REPLACE/TIE TO BRIDGE	
L-LT	699+07	700+65	LT.	157			1	1		204		REMOVE & REPLACE/TIE TO BRIDGE	
L-RT	698+62	701+62	RT.	300			1	1		203		REMOVE /REPLACE /EXTEND & TIE TO BRIDGE	
L-LT	703+05	706+04	RT.	302			1	1	302	166		REMOVE /REPLACE /EXTEND & TIE TO BRIDGE	
L-LT	703+05	706+06	LT.	300			1	1		315		REMOVE & REPLACE/TIE TO BRIDGE	
L-RT	704+02	709+00	LT.	500			1	1	500	513		REMOVE & REPLACE/TIE TO BRIDGE	
L-RT	704+02	705+81	RT.	178			1	1	1	153		REMOVE /REPLACE /EXTEND & TIE TO BRIDGE	
L-RT	729+23	732+01	LT.	278			2		278	278		REMOVE & REPLACE AT EXISTING LOCATION	
L-LT	730+05	733+34	RT.	330			2		330	330		REMOVE & REPLACE AT EXISTING LOCATION	
L-RT	742+90	758+90	RT.	1600			1	1		1600		REMOVE & REPLACE AT EXISTING LOCATION	
L-LT	747+96	758+22	LT.	1026			1	1		1026		REMOVE & REPLACE AT EXISTING LOCATION	
L-RT	763+23	766+01	RT.	279			1	1		279		REMOVE & REPLACE AT EXISTING LOCATION	
L2-LT	764+42	784+70	LT.	2028			1	1		2028		REMOVE & REPLACE AT EXISTING LOCATION	
L2	804+56	807+96	LT.	340			1	1		340		REMOVE & REPLACE AT EXISTING LOCATION	
L2	804+67	806+93	RT.	225			1	1		225		REMOVE & REPLACE AT EXISTING LOCATION	
L2	825+35	835+49	RT.	1016			1	1		1016		REMOVE & REPLACE AT EXISTING LOCATION	
L2	828+01	836+21	LT.	820			1	1		820		REMOVE & REPLACE AT EXISTING LOCATION	
L2	837+83	844+45	RT.	662			1	1		662		REMOVE & REPLACE AT EXISTING LOCATION	
L2	841+23	855+12	LT.	1389			1	1		1389		REMOVE & REPLACE AT EXISTING LOCATION	
L2	850+61	864+19	RT.	1358			1	1		1358		REMOVE & REPLACE AT EXISTING LOCATION	
SUBTOTAL				31,268			47	30	8	6,427	31,144	4,000	
ANCHOR DEDUCTIONS				GREU, TL-3 (47 x 50.0')	-2350.0								
				CAT-1 (30 x 6.25')	-187.50								
				B-77 (8 x 22.875')	-183.0								
TOTAL				28,547.50			47	30	8		31,144	4,000	
SAY				28,550			47	30	8	6,427	31,144	4,000	
CONTINGENCY ITEM - REMOVE & RESET EXIST. CABLE GUIDERAIL = 1000 LF ADDITIONAL GUARDRAIL POSTS = 20 EA. ADDITIONAL GUIDE-RAIL POSTS = 10 EA.													
CROSSOVERS GUIDE-RAIL REMOVE EXISTING GUIDE-RAIL = 4000 LF CABLE GUIDE-RAIL = 4000 LF CABLE GUIDE-RAIL ANCHOR UNITS = 12 EA.													

**SUMMARY OF ASPHALT  
PAVEMENT REMOVAL  
IN SQUARE YARDS**

LINE	STA TO STA	LOCATION	SQ. YDS.
L	519+00 TO 642+48	OUTSIDE	27,440
L	519+00 TO 642+48	MEDIAN	10,976
L-LT	642+48 TO 768+54	OUTSIDE	13982.22
L-LT	642+48 TO 768+54	MEDIAN	5592.89
L-RT	665+71 TO 768+54	OUTSIDE	13721.11
L-RT	665+71 TO 768+54	MEDIAN	4570.22
L	768+54 TO 865+00	OUTSIDE	21435.56
L	768+54 TO 865+00	MEDIAN	8574.22
XOVER AB		MEDIAN	2777.78
XOVER CD		MEDIAN	2777.78
XOVER EF		MEDIAN	2777.78
XOVER GH		MEDIAN	2777.78
TOTAL			117,403.33
SAY			117,410