

SUMMARY OF CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR

IN SQUARE YARDS (SY)

LOCATION	MILEPOST	MILEPOST	LANE *(L/RT)	YD ²	NO. # OF PUNCHOUT	TOTAL REPAIRS AND REMOVAL (SY)
EBL	169.14	170.00	LT	10.67	0	0
			RT	10.67	34	362.67
EBL	170.00	171.00	LT	10.67	3	32
			RT	10.67	17	181.33
EBL	171.00	172.00	LT	10.67	4	42.67
			RT	10.67	22	234.67
EBL	172.00	173.00	LT	10.67	0	0
			RT	10.67	24	256
EBL	173.00	174.00	LT	10.67	4	42.67
			RT	10.67	21	224
EBL	174.00	175.00	LT	10.67	0	0
			RT	10.67	12	128
CRC REPAIR AREAS FOR PAVEMENT TRANSITIONS						60
TOTAL:					280	3046.66
SAY:					290	3050

*L/RT LANE LOCATION IS RELATIVE TO DIRECTION OF TRAVEL.

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
RIGHT					
L1- 865+00 - L2- 251+40	17977				17977
MEDIAN					
L1- 865+00 - L2- 251+40	32061				32016
LEFT					
L1- 865+00 - L2- 251+40	17977				17977
CROSSOVERS*	7500		7500	8625	7500
SHOULDER MATERIAL					
L1- 865+00 - L2- 251+40			36182	41609	
SUBTOTAL	75515		43682	50234	75515
AS PER DIVISION:					
ESTIMATED 50% OF UNCL. EXC. SUITABLE FOR SHOULDER CONST. TO BE USED IN LIEU OF SHOULDER MATERIAL				-34008	-34008
SUBTOTAL	75515			16226	41507
+5% TO REPLACE TOPSOIL AT BORROW PIT				921	
GRAND TOTAL	75515			17037	41507
SAY	75520			17040	
ESTIMATED SHALLOW UNDERCUT = 5500 CY (SEE SHEET 3G-1)					

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STATION	END STATION	LOCATION	LENGTH		ANCHORS				REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	TYPE 350	CAT-1	B-83	M-350		
L1	897+24	900+68	RT.	344		1	1			344	REMOVE & REPLACE AT EXISTING LOCATION
L1	898+90	902+05	LT.	315		1	1			315	REMOVE & REPLACE AT EXISTING LOCATION
L1/L2	920+13 (L1)	20+04 (L2)	RT.	2268		1	1			2268	REMOVE & REPLACE AT EXISTING LOCATION
L2	10+21	16+47	LT.	626		1	1			626	REMOVE & REPLACE AT EXISTING LOCATION
L2	21+49	26+55	LT.	506		1	1			506	REMOVE & REPLACE AT EXISTING LOCATION
L2	45+08	53+38	RT.	830		1	1			830	REMOVE & REPLACE AT EXISTING LOCATION
L2	47+49	62+90	LT.	1541		1	1			1305	REMOVE & REPLACE AT EXISTING LOCATION
L2	70+28	73+09	RT.	281		1	1			281	REMOVE & REPLACE AT EXISTING LOCATION
L2	71+68	74+78	LT.	310		1	1			310	REMOVE & REPLACE AT EXISTING LOCATION
L2	78+97	86+77	LT.	780		1	1			780	REMOVE & REPLACE AT EXISTING LOCATION
L2	90+73	102+80	LT.	1207		1	1			1207	REMOVE & REPLACE AT EXISTING LOCATION
L2	91+30	99+52	RT.	822		1	1			822	REMOVE & REPLACE AT EXISTING LOCATION
L2	112+96	125+45	RT.	1249		1	1			1249	REMOVE & REPLACE AT EXISTING LOCATION
L2	119+45	127+70	LT.	825		1	1			825	REMOVE & REPLACE AT EXISTING LOCATION
L2	133+82	138+60	LT.	478		1	1			478	REMOVE & REPLACE AT EXISTING LOCATION
L2	140+34	149+98	RT.	964		1	1			964	REMOVE & REPLACE AT EXISTING LOCATION
L2	144+44	151+44	LT.	700		1	1			700	REMOVE & REPLACE AT EXISTING LOCATION
L2	157+69	163+50	RT.	581		1		1		581	REMOVE & REPLACE AT EXISTING LOCATION
L2	161+37.50	163+50	MED RT.	212.5				1	1	166	REMOVE & REPLACE AT EXISTING LOCATION
L2	165+30	166+55	MED RT.	125				1	1	125	REMOVE & REPLACE AT EXISTING LOCATION
L2	165+30	173+00	RT.	770				1		770	REMOVE & REPLACE /TIE INTO EXISTING
L2	159+94	163+46	LT.	352			1	1		352	REMOVE & REPLACE AT EXISTING LOCATION
L2	162+43	163+46	MED LT.	103				1	1	103	REMOVE & REPLACE AT EXISTING LOCATION
L2	165+26	167+38.50	MED LT.	212.5				1	1	178	REMOVE & REPLACE AT EXISTING LOCATION
L2	165+26	175+05	LT.	979		1		1		979	REMOVE & REPLACE AT EXISTING LOCATION
L2	186+83	189+27	RT.	244		1	1			244	REMOVE & REPLACE AT EXISTING LOCATION
L2	188+28	191+23	LT.	295		1	1			295	REMOVE & REPLACE AT EXISTING LOCATION
L2	219+78	223+83	RT.	405		1		1		405	REMOVE & REPLACE AT EXISTING LOCATION
L2	225+00	228+43	RT.	343			1	1		343	REMOVE & REPLACE AT EXISTING LOCATION
L2	221+56.5	223+69	MED RT.	212.5				1	1	178	REMOVE & REPLACE AT EXISTING LOCATION
L2	224+89	225+94	MED RT.	105				1	1	105	REMOVE & REPLACE AT EXISTING LOCATION
L2	220+18	223+48	LT.	330			1	1		330	REMOVE & REPLACE AT EXISTING LOCATION
L2	224+66	231+52	LT.	686		1		1		686	REMOVE & REPLACE AT EXISTING LOCATION
L2	222+54	223+57	MED LT.	103				1	1	103	REMOVE & REPLACE AT EXISTING LOCATION
L2	224+77	226+89.50	MED LT.	212.5				1	1	167	REMOVE & REPLACE AT EXISTING LOCATION
L2	240+94	247+25	RT.	631		1	1			631	REMOVE & REPLACE AT EXISTING LOCATION
SUBTOTAL				20,948						20,551	
ANCHOR DEDUCTIONS											
GRAU-350 (24 x 50.0')				-1200.0							
CAT-1 (23 x 6.25')				-143.75							
B-83 (16 x 25.0')				-400.0							
M-350 (8 x 37.5')				-300.0							
TOTAL				18,904.25		24	23	16	8	20,551	
SAY				18,912.5		24	23	16	8	20,551	
CONTINGENCY ITEM - REMOVE & RESET EXIST. CABLE GUARDRAIL = 1000 LF ADDITIONAL GUARDRAIL POSTS = 20 EA. ADDITIONAL GUIDE-RAIL POSTS = 10 EA.											
CROSSOVERS GUIDE-RAIL REMOVE EXISTING GUIDE-RAIL = 3000 LF CABLE GUIDE-RAIL = 3000 LF CABLE GUIDE-RAIL ANCHOR UNITS = 12 EA											

SUMMARY OF ASPHALT PAVEMENT REMOVAL

IN SQUARE YARDS

LINE	STA TO STA	LOCATION	SQ. YDS.
L1	865+00 TO 922+76	OUTSIDE	12835.56
L1	865+00 TO 922+76	MEDIAN	5134.22
L2	0+00 TO 251+40	OUTSIDE	55866.67
L2	0+00 TO 251+40	MEDIAN	22346.67
XOVER AB		MEDIAN	3077.78
XOVER CD		MEDIAN	3888.89
XOVER EF		MEDIAN	3333.33
TOTAL			106483.11
SAY			106490

SUMMARY OF CONCRETE PAVEMENT REMOVAL

IN SQUARE YARDS

LINE	STA TO STA	LOCATION	SQ. YDS.
L1	865+00 TO 868+00	EB & WB	1600
L2	160+47 TO 163+47	EB & WB	1600
L2	165+28 TO 168+28	EB & WB	1600
L2	220+65 TO 223+65	EB & WB	1600
L2	224+85 TO 227+85	EB & WB	1600
TOTAL			8000
SAY			8000

REVISION: FEBRUARY 9, 2017 - ADDED SUMMARY OF CONCRETE PAVEMENT REMOVAL

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