

COMPUTED BY: JMM DATE: 6/6/2020
 CHECKED BY: JCH DATE: 6/7/2020

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. W-5600	SHEET NO. 3B-3
1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

WOVEN WIRE FENCE, 47" FABRIC

$$E = \frac{[A \cdot (8B + 16C + 16D)] - (B + C + D)}{14}$$

$$F = \frac{(2B + 3C + 3D)}{2}$$

SURVEY LINE	BEGIN STATION	END STATION	LT. OR RT.	A		B		C		D		E		F		
				FABRIC L.F.	END BRACE	CORNER BRACE	LINE BRACE	4' POSTS	5' POSTS							
-L-	25+28.00	25+59.00	LT	30.00								2				
-L-	23+53.98	31+10.00	RT	800.00	2	1	2	50	13							
-L-	20+10.00 (SR1)	43+10.00	LT	425.00	1		2	26	8							
-L-	52+60.00	74+70.00	LT	2,250.00	1	2	8	143	32							
-L-	52+45.00	69+35.00	RT	1,680.00	2		6	108	22							
-L-	99+40.00	101+50.00	RT	220.00	1		1	13	5							
-L-	104+03.00	105+88.00	RT	185.00												
-L-	103+38.00	105+18.00	LT	180.00												
-Y7RPC-	10+00.00	61+80.79 (SR3)	RT	2,135.00	1	3	7	135	32							
-SR3-	61+80.79	39+26.55 (Y7)	RT	420.00	2	2		25	10							
-SR5-	12+12.10	35+00.00 (Y7)	RT	395.00	2	1	1	23	10							
-Y7-	30+06.00	12+12.10 (SR5)	LT	190.00	1	1		11	5							
-Y7-	20+70.00	11+80.00 (DR2)	RT	315.00	2	1		19	7							
-DR2-	11+80.00	154+89.12 (L)	LT	205.00	1	2		10	8							
-Y7-	20+70.00	174+00.00 (L)	LT	2,050.00	1	7	6	124	41							
-L-	176+10.00	183+75.00	LT	745.00	2	1	2	46	13							
-L-	195+50.00	27+00.00 (Y9)	RT	2,580.00	1	9	6	159	47							
-L-	198+25.00	202+00.00	LT	470.00		5		25	15							
-Y9RPB-	14+15.00	20+25.00	LT	645.00	1		2	43	6							
-Y9RPB-	22+72.00	16+75.00 (Y9)	LT	110.00	1	1		5	5							
-Y9-	17+00.00	18+48.83	LT	160.00	1	1		9	5							
-Y9RPA-	24+46.22	12+50.00 (SR8)	RT	1,540.00	1	3	8	92	33							
-SR6-	11+50.00	280+75.00 (L)	LT	4,490.00	1	10	16	277	80							
-L-	244+77.69	277+96.70	LT	3,360.00		4	11	215	45							
-L-	276+30.00	278+06.00	RT	180.00			2	10	6							
				TOTAL:	25,760.00			1595	448							
				SAY:	25,800			1600	450							

BREAKING OF EXISTING ASPHALT PAVEMENT

LINE	STATION	STATION	LOCATION	LENGTH OR AREA	WIDTH	SQUARE YARDS
-Y7-	20+00	25+89	LT	14442.00		1604.67
-Y7-	28+05	34+00	LT	18092.00		2010.22
-L-	200+00	213+00	EXEUBL	45218.00		5024.22
-L-	223+00	229+00	EX-US70	34589.00		3943.22
TOTAL						12,482.33
SAY						12,490

INCIDENTAL MILLING

LINE	STATION	STATION	LOCATION	LENGTH	AREA FROM CADD OR WIDTH	SQUARE FEET
-Y4-	10+75.00	11+50.00	CL		1,862.78	1,862.78
-Y5-	12+30.00	12+70.00	CL		1,291.09	1,291.09
-Y5-	17+50.00	18+20.00	CL		1,710.93	1,710.93
-Y7-	14+20.00	15+50.00	CL		2,810.08	2,810.08
-Y7-	36+80.00	39+00.00	CL		4,939.31	4,939.31
-Y9-	14+90.00	15+50.00	CL		3,089.57	3,089.57
-Y9-	26+50.00	28+00.00	CL		3,478.16	3,478.16
-SR1-	66+25.00	67+00.00	CL		2,292.90	2,292.90
-SR2-	16+80.00	18+70.00	CL		6,012.97	6,012.97
-SR6-	49+00.00	49+40.00	CL		3,374.96	3,374.96
-SR7-	12+00.00	12+90.00	CL		2,830.64	2,830.64
-SR7-	74+00.00	74+60.00	CL		1,357.65	1,357.65
-SR8-	11+90.00	12+30.00	CL		944.38	944.38
-SR9-	10+50.00	11+30.00	CL		1,624.26	1,624.26
TOTAL IN FT ²						37,619.68
TOTAL IN YD ²						4,179.96
SAY						4,200.00

MILLING 2.5" DEPTH

LINE	STATION	STATION	LOCATION	LENGTH	AREA FROM CADD OR WIDTH	SQUARE FEET
-L-	19+70.00	197+50.00	LT	17,780.00	24.00	426,720.00
-L-	19+70.00	23+30.00	RT	360.00	36.00	12,960.00
-L-	23+30.00	26+30.00	RT	300.00	30.00	9,000.00
-L-	26+30.00	197+00.00	RT	17,070.00	24.00	409,680.00
-L-	230+00.00	281+85.00	LT	5,185.00	24.00	124,440.00
-L-	230+00.00	281+85.00	RT	5,185.00	24.00	124,440.00
TOTAL IN FT ²						1,107,240.00
TOTAL IN YD ²						123,026.67
SAY						125,000.00

REMOVAL OF EXISTING ASPHALT PAVEMENT

LINE	STATION	STATION	LOCATION	LENGTH OR AREA	WIDTH	SQUARE YARDS
-L-	19+50	31+50	MEDIAN	15627.00		1736.33
-L-	23+55	26+65	RT	14328.00		1592.00
-SR2-	19+75	27+65	RT	29892.00		3321.33
-SR1-	32+68	36+35	LT	4259.00		473.22
-L-	62+25	74+18	MEDIAN	17635.00		1959.44
-L-	66+43	71+96	LT	13215.00		1468.33
-L-	64+23	69+74	RT	15582.00		1731.33
-Y4/-SR1-	11+10 (-Y4-)	65+88 (-SR1-)	LT	10336.00		1148.44
-SR2-	89+79	97+69	RT	17122.00		1902.44
-L-	98+60	110+50	MEDIAN	18370.00		2041.11
-L-	103+60	108+20	LT	10152.00		1128.00
-L-	101+00	105+90	RT	13060.00		1451.11
-Y7-	16+54	20+00	LT	2514.00		279.33
-Y7-	25+99	26+43	LT	4964.00		551.56
-L-	151+07	163+86	MEDIAN	16853.00		1872.56
-Y7-	27+87	29+59	LT	6387.00		709.67
-Y7-	28+70	30+29	RT	3745.00		416.11
-Y7-	34+00	36+84	LT	2073.00		230.33
-L-	195+00	200+00	EX-EUBL	12137.00		1348.56
-L-	196+00	213+00	EX-WBL	47357.00		5261.89
-L-	213+00	223+00	EX-US 70	90959.00		10106.56
-L-	229+00	230+00	EX-US70	5710.00		634.44
-SR7/-SR8-	13+11 (-SR7-)	12+02 (-SR8-)	EX-SR2578	7424.00		824.89
-L-	244+71	249+69	LT	11267.00		1251.89
-L-	240+00	252+00	MEDIAN	13839.00		1537.67
-L-	241+63	246+69	RT	14804.00		1644.89
-L-	257+09	262+93	LT	22205.00		2467.22
-L-	252+47	264+29	MEDIAN	13642.00		1515.78
-L-	251+97	259+35	RT	16552.00		1839.11
-L-	276+73	279+98	LT	10285.00		1142.78
-L-	271+75	281+63	MEDIAN	12585.00		1398.33
-L-	273+48	278+03	RT	9028.00		1003.11
-SR9 / -SR7-	11+68 (-SR9-)	31+05 (-SR7-)	LT	3203.00		355.89
TEMPORARY PAVEMENT - MAINLINE						
-L-	26+00	67+74	MED. LT	20000.42		2222.27
-L-	69+04	103+84	MED. LT	16675.00		1852.78
-L-	105+45	152+00	MED. LT	22305.21		2478.36
-L-	173+40	200+00	MED. LT	15405.83		1711.76
-L-	236+51	245+38	MED. LT	2476.21		275.13
-L-	281+30	285+30	MED. LT	1916.67		212.96
-L-	26+57	67+76	MED. RT	19736.88		2192.99
-L-	69+02	103+83	MED. RT	16679.79		1853.31
-L-	105+44	152+00	MED. RT	22310.00		2478.89
-L-	173+40	205+13	MED. RT	15203.96		1689.33
-L-	219+57	245+40	MED. RT	12376.88		1375.21
-L-	246+30	257+78	MED. RT	5500.83		611.20
-L-	258+54	272+28	MED. RT	6583.75		731.53
-L-	277+63	283+92	MED. RT	3013.96		334.88
-L-	233+00	243+55	MED. RT	5318.96		591.00
TEMPORARY PAVEMENT - RAMPS						
-Y9RPA-	22+88	26+56	RT	4235.00		470.56
-Y9RPC-	21+00	25+51	RT	4694.00		521.56
-Y9RPC-	22+60	25+48	LT	1294.00		143.78
-Y9RPD-	22+50	23+90	LT	573.00		63.67
-Y9RPD-	10+00	16+84	LT	7163.00		795.89
TOTAL:						78,952.70
SAY:						80,000

4" CONCRETE SIDEWALK

LINE	STATION	STATION	LOCATION	LENGTH	WIDTH	SQUARE YARDS
-Y9-	19+60.00	22+56.00	LT	296	5	164.44
-Y9-	19+34.00	22+30.00	RT	296	5	164.44
TOTAL:						328.89
SAY:						330

2'-6" CURB & GUTTER

LINE	STATION	STATION	SIDE	GROSS LENGTH	DEDUCTIONS		NET LENGTH
					DRIVES	OTHERS	
-Y7LPA-	12+08.00	19+81.80	LT	733.10			733.10
-Y7LPC-	12+90.83	19+86.11	LT	659.23			659.23
-Y9-	19+35.00	22+30.00	RT	320.17			320.17
-Y9-	19+60.00	22+56.00	LT	320.21			320.21
TOTAL:							2,032.71
SAY:							2,035.00

SHOULDER BERM GUTTER

LOCATION	SIDE	BEG. STA.	END STA.	LENGTH
-L-	LT	209+70.00	216+32.00	668.27
-L-	RT	211+11.00	216+75.00	560.74
-L-	LT	217+87.00	224+47.00	664.92
-L-	RT	218+32.00	223+82.00	544.86
-Y7-	LT	24+49.00	25+97.00	148.22
-Y7-	RT	24+23.00	25+83.00	159.68
-Y7-	LT	28+20.00	29+48.00	128.32
-Y7-	RT	28+06.00	29+63.00	157.29
-Y7LPC-	LT	10+00.00	11+50.00	150
-Y9RPB	LT	14+86.00	19+90.00	506.56
-Y9RPD-	LT	16+97.00	22+00.00	500.3
-SR1-	LT	25+77.00	27+94.00	216.21
TOTAL:				4405.4
SAY:				4410