COMPUTED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.	SHEET NO.
I-5786	3B-2

PRE-CAST CONCRETE BARRIER – SINGLE FACED

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	LINEAR FOOT
–L–	337+53.93	337.88.93	LT	35.00
–L–	337+08.87	337+43.87	RT	35.00
			TOTAL:	70.00
			SAY:	80.00

SUMMARY OF MILLED RUMBLE STRIPS

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	LF
–L–	9+90.00	267+54.00	MED RT	25764.00
–L–	9+90.00	269+44.00	MED LT	25954.00
–L–	288+94.00	368+10.00	MED RT	7916.00
–L–	290+34.00	370+00.00	MED LT	7966.00
–L–	9+90.00	–Y2RPC– 13+84.39	RT	7824.39
–L–	9+90.00	–Y2RPB– 13+94.13	LT	7706.05
–L–	87+65.23	103+23.82	RT	1558.59
–L–	86+95.73	103+81.08	LT	1685.35
–Y2RPD–	14+29.24	–Y3RPC– 13+68.35	RT	4461.85
–Y2RPA–	13+53.32	–Y3RPB– 13+05.23	LT	4443.67
–L–	147+85.67	162+95.80	RT	1510.13
–L–	147+74.96	163+36.15	LT	1561.19
–Y3RPD–	13+05.23	–Y5RPC– 13+20.49	RT	9305.08
–Y3RPA–	14+58.05	–Y5RPB– 14+35.16	LT	9387.82
–L–	256+00.71	267+54.00	RT	1153.29
–L–	256+23.89	269+44.00	LT	1320.11
–L–	288+94.00	–Y6RPC– 13+19.07	RT	3720.07
–L–	290+34.00	–Y6RPB– 13+25.96	LT	3737.58
–L–	325+64.07	347+31.92	RT	2167.85
–L–	327+71.93	349+29.27	LT	2157.34
–Y6RPD–	12+82.13	368+10.00	RT	2077.63
–Y6RPA–	13+17.68	370+00.00	LT	2120.68
			TOTAL:	135498.67
			SAY:	137000.00

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.
W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.
G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

TEMPORARY GUARDRAIL SUMMARY

(NOTE: SEE TRAFFIC MANAGEMENT PLANS FOR LOCATIONS)

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS									IMPACT ATTENUATOR TYPE 350			SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	TYPE B-77	TYPE III	GREU 350	M-350	XIII	CAT-1	VI MOD	BIC	AT-1	EA	G	NG				
PHASE I																														
–L–	15+35+/–	18+90+/–	RT	355.00							54		1				1			1										
–L–	11+55+/–	15+10+/–	LT	355.00							54		1				1			1										
–L–	198+70+/–	202+05+/–	RT	335.00							54		1				1			1										
–L–	195+55+/–	198+85+/–	LT	330.00							54		1				1			1										
–L–	89+23.79	97+19.81	MED RT	796.02													1			1										
–L–	91+93.03	99+89.06	MED LT	796.03													1			1										
–L–	150+26.51	157+88.52	MED RT	762.01													1			1										
–L–	152+95.77	160+57.77	MED LT	762.60													1			1										
–L–	259+79.20	265+15.00	MED RT	535.80													1			1										
–L–	262+48.42	264+80.23	MED LT	231.81																1										TIE TO EXIST. GUARDRAIL
–L–	288+94.00	300+00.00	MED			1106.00														1										TIE TO EXIST. GUARDRAIL
–L–	362+00.00	370+00.00	MED			800.00														1										TIE TO EXIST. GUARDRAIL
PHASE II																														
–L–	89+23.79	97+19.81	MED RT	796.02													1			1										
–L–	91+93.03	99+89.06	MED LT	796.03													1			1										
–L–	150+26.51	157+88.52	MED RT	762.01													1			1										
–L–	152+95.77	160+57.77	MED LT	762.60													1			1										
–L–	259+79.20	265+15.00	MED RT	535.80													1			1										
–L–	262+48.42	264+80.23	MED LT	231.81																1										
–L–	288+94.00	300+00.00	MED			1106.00														1										
–L–	362+00.00	370+00.00	MED			800.00														1										
PROJECT TOTAL				9143.54		3812.00											14			20										
		LESS ANCHOR DEDUCTIONS		(–)856		(–)25																								
GRAND TOTAL				8287.54		3787.00																								
															GUARDAIL ANCHOR DEDUCTIONS															
SAY				8400.00		3900.00											GREU 350, TL-3 = 14 @ 54' = 756'													
																	CAT-1 = 20 @ 6.25' = 125'													
																	TOTAL DEDUCTIONS = 881'													

12/06/07
6/7/2017
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USER: Rlewis