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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
I-5741	3B-1

SHOULDER DRAIN SUMMARY

SURVEY LINE	STA. TO STA.	LOCATION	4" PERFOR. PIPE (FT.)	6" PERFOR. PIPE (FT.)	SHOULDER DRAINS (FT.)	OUTLET 6" PIPE (FT.)	OUTLET STRUCTURE DRAINAGE STRUCTURE	OUTLET STRUCTURE CONCRETE PAD
-L-	499+05 TO 501+93	OUTSIDE, LT		556	278		EXIST. DI	
CONTINGENCY				25	25	25		1
TOTALS				581	303	25		1
SAY				590	310	25		1

SUMMARY OF EXISTING CONCRETE PAVEMENT REMOVAL

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD²
-L-	499+20	501+15	LT	850
			TOTAL:	850
			SAY:	850

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH
-L-	489+65	489+85	20
-L-	493+53	493+73	20
-L-	496+60	496+80	20
-L-	499+05	501+93	278
-L-	507+20	507+40	20
-L-	514+86	515+06	20
		TOTAL:	378
		SAY:	380

"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

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH STRAIGHT	LENGTH SHOP CURVED	LENGTH DOUBLE FACED	WARRANT POINT APPROACH END	WARRANT POINT TRAILING END	"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH APPROACH END	FLARE LENGTH TRAILING END	W APPROACH END	W TRAILING END	ANCHORS XI MOD	ANCHORS XI	ANCHORS GRAU 350	ANCHORS M-350	ANCHORS XIII	ANCHORS CAT-1	ANCHORS VI MOD	ANCHORS BIC	ANCHORS AT-1	IMPACT ATTENUATOR TYPE 350 EA	IMPACT ATTENUATOR TYPE 350 G	IMPACT ATTENUATOR TYPE 350 NG	SINGLE FACED GUARDRAIL	REMOVE AND RESET EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
-L-	489+65	489+85	LT																									20		REMOVE AND REPLACE AT EXISTING LOCATION
-L-	493+53	493+73	LT																									20		REMOVE AND REPLACE AT EXISTING LOCATION
-L-	496+60	496+80	LT																									20		REMOVE AND REPLACE AT EXISTING LOCATION
-L-	499+05	501+93	LT																									278		REMOVE AND REPLACE AT EXISTING LOCATION
-L-	507+20	507+40	RT																									20		REMOVE AND REPLACE AT EXISTING LOCATION
-L-	514+86	515+06	RT																									20		REMOVE AND REPLACE AT EXISTING LOCATION
			SUBTOTAL																											
			ANCHOR DEDUCTIONS																											
			TOTAL																									378		
			SAY																									400		
ADDITIONAL POSTS = 10 EA																														
CONTINGENCY ITEM - STRAIGHT GUARDRAIL = 100 LF																														

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