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COMPUTED BY: RB Early DATE: August 28, 2014
CHECKED BY: E Roque

PROJECT REFERENCE NO.	SHEET NO.
R-2123CG	ITS-24

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

"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			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS									IMPACT ATTENUATOR TYPE 350				REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	TYPE 350	CAT-1								NO.	PERMITTED G	PERMITTED NG			
-L-	95+02.25	96+83.5	RT	181.25'			96+65		12'	15'	50'				1	1													
-Y-	101+96.75	105+03.0	RT	306.25'			104+84		12'	15'	50'				1	1													
-RPE-	73+99.0	76+67.75	LT	268.75'			76+46		10'	13'	50'				1	1													
			SUBTOTAL:	756.25'											3	3													
	LESS ANCHOR DEDUCTIONS:																												
		GRAU 350 :	3 @ 50'	-150'																									
		CAT-1:	3 @ 6.25'	-18.75'																									
			TOTAL:	587.50'																									
			SAY:	600'																									
			ADDTIONAL POST:	4																									

NOTE:

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

HNTB
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

Plans Prepared for:
Transportation Mobility and Safety Division
Intermodal Transportation Systems
750 N. Greenfield Pkwy., Garner, NC 27529

GUARDRAIL SUMMARY

DIVISION 10 MECKLENBURG CO. CHARLOTTE

PLAN DATE: DECEMBER 2014 REVIEWED BY: R.B. EARLY
PREPARED BY: T.R. HOWELL REVIEWED BY: H.L. WINSTEAD

SCALE: NONE

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 023521 ENGINEER RHONDA B. EARLY

DocuSigned by:
Rhonda Early 12-18-2014
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SIGNATURE DATE

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