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COMPUTED BY: RB Early DATE: January 16, 2015
CHECKED BY: E Roque

PROJECT REFERENCE NO.	SHEET NO.
R-2248EA	ITS-36

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										NO.	PERMITTED G	PERMITTED NG			
-L-	1416+35.0	1420+60.0	MEDIAN	425'			1418+50		12'	14'	50'													2	X				
-L-	1416+72.5	1420+22.5	MEDIAN	350'			1418+50		12'	14'	50'																		
			SUBTOTAL:	775'																				2					
	LESS ANCHOR DEDUCTIONS:																												
	IMPACT ATTENUATOR 350:		2 @ 37.5'	-75.00																									
			TOTAL:	700'																									
			SAY:	712.5'																									
			ADDITIONAL 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.

CABLE GUIDERAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH (FT)	ANCHORS (EA)
-L-	1415+90	1416+15	MEDIAN	25'	1
-L-	1420+77	1421+02	MEDIAN	25'	1
			SUBTOTAL:	50'	2
	LESS ANCHOR DEDUCTIONS:		2 @ 25'	-50'	
			TOTAL:	0'	2
			SAY:	0'	2
		ADDITIONAL GUIDERAIL POST:		4 (EA)	

REMOVE EXISTING GUIDERAIL

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH (FT)	ANCHORS (EA)
-L-	1415+90	1421+02	MEDIAN	512'	0
			SUBTOTAL:	512'	0
	LESS ANCHOR DEDUCTIONS:		0 @ 25'	0	
			TOTAL:	512'	0
			SAY:	512'	0

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: FEBRUARY 2015 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 B. Early 02-12-2015
SIGNATURE DATE

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