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COMPUTED BY: TR Howell DATE: JULY 22, 2016
CHECKED BY:

PROJECT REFERENCE NO.	SHEET NO.
C-5600H	ITS-26

"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

ROAD NAME	SITE	SHEET NUMBER	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS									IMPACT ATTENUATOR TYPE 350			RESET EXISTING GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU 350	CAT-1	B-77							NO.	PERMITTED G	PERMITTED NG			
US 64	DMS-1	ITS-07	2,088' to SR 1306	187.5'			DMS-1		14'	17'	50'		1'		1	1													
US 64	DMS-3	ITS-13	Median (Left of Pole)	137.5'				DMS-3	20'	23.5'		0'		0'										1		X		35'	ATTACH GUARDRAIL TO EXISTING MEDIAN GUARDRAIL
US 64	DMS-3	ITS-13	Median (Right of Pole)	137.5'			DMS-3		19.5'	23.5'	0'		0'															57'	ATTACH GUARDRAIL TO EXISTING MEDIAN GUARDRAIL
US 64	DMS-4	ITS-19	5,224' to NC 42	175'			DMS-4		14'	17'	50'		0'		1	1													
US 13	CCTV-13	ITS-21	Trailing end traveling SB	50'				CCTV-13	7'	10'		0'		0'		1	1												ATTACH GUARDRAIL TO EXISTING BRIDGE RAIL
																											100'		AS DIRECTED BY THE ENGINEER
			SUBTOTAL:	687.5'											2	3	1							1			100'		
	LESS ANCHOR DEDUCTIONS:																												
		GRAU 350:	2 @ 50.00'	-100.0'																									
		CAT-1:	3 @ 6.25'	-18.75'																									
		B-77:	1 @ 18.75'	-18.75'																									
			TOTAL:	550.0'											2	3	1							1			100'	92'	
			SAY:	562.5'																									
			ADDITIONAL POST:	74																									

CABLE GUIDERAIL SUMMARY

ROAD NAME	SITE	SHEET NUMBER	LOCATION	LENGTH (FT)	ANCHORS (EA)	REMOVE EXISTING GUIDERAIL
US 64	DMS-3	ITS-13	MEDIAN	25'	1	110'
			SUBTOTAL:	25'	1	
	LESS ANCHOR DEDUCTIONS:		1 @ 25'	-25'		
			TOTAL:	0'	1	110'
			SAY:	0'	1	110'
		ADDITIONAL GUIDERAIL POST:		4 (EA)		

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Plans Prepared for:
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intermodal Transportation & Asset Section
750 N. Greenfield Pkwy., Garner, NC 27529

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

GUARDRAIL SUMMARY

PLAN DATE: AUGUST 2016 REVIEWED BY: J.A. WAGNER
PREPARED BY: T.R. TERRELL REVIEWED BY: H.L. WINSTEAD

SCALE

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 023521 ENGINEER RHONDA B. EARLY

DocuSigned by:
Rhonda B. Early 8/31/2016
F34CAF9AC0BF48A...
SIGNATURE DATE

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