

CONTRACT: DN01102

TIP PROJECT: HS-2414M

"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
BIC = BURIED IN CUT

CLAY COUNTY

US-64

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	DN01102	20	22
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
50986.3.14	5098613	CONSTRUCTION	

GUARDRAIL SUMMARY

SURVEY LINE	STATION NUMBER/ MILE MARKER	EXISTING UNIT	PROPOSED UNIT	LENGTH			LENGTH		DIRECTION	MILE MARKER	FLARE LENGTH		W		TYPE OF END-UNIT										IMPACT ATTENUATOR TYPE 350			EXTRA LENGTH GUARDRAIL POSTS (8')	REMOVE RAIL	REMARKS	
				END-UNIT	RAIL ONLY	SHOP CURVED	HEIGHT ADJUST	TRANSITION PL			APPROACH END	TRAILING END	APPROACH END	TRAILING END	MFLEAT: TL-3	MSKT: TL-3	B-83	B-77	AT-1	BIC						PERMITTED					
																										NO.	G				NG
US-64	08 + 56	TYPICAL END SHOE	B-83	0	0	0	25.00	25.00	WESTBOUND	8.56								1											25.00		
US-64	08 + 61	TYPICAL END SHOE	B-77	0	0	0	25.00	25.00	EASTBOUND	8.61																			25.00		
US-64	13 + 10	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	EASTBOUND	13.10					1			1											43.75		
US-64	13 + 13	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	25.00	0	WESTBOUND	13.13					1														43.75		
US-64	13 + 21	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	EASTBOUND	13.21					1														43.75		
US-64	13 + 23	ANCHORED STUB	AT-1	6.25	25.00	6.25	25.00	0	EASTBOUND	13.23									1										0	EXTEND BY 12.5 WITH AN AT-1 UNIT TO SATISFY LON	
US-64	13 + 38	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	EASTBOUND	13.38					1														43.75		
US-64	13 + 40	ANCHORED STUB	AT-1	6.25	25.00	6.25	0	0	EASTBOUND	13.40									1										37.50	UPDATE ENTIRE LINE	
US-64	13 + 41	ANCHORED STUB	MFLEAT TL-3	39.70	37.50	0	0	0	EASTBOUND	13.41					1														75.00	PART OF UPDATE TO LINE ABOVE	
US-64	13 + 43	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	25.00	0	WESTBOUND	13.43					1														43.75		
US-64	13 + 90	ANCHORED STUB	AT-1	6.25	0	6.25	25.00	0	WESTBOUND	13.90									1										12.50		
US-64	13 + 90	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	EASTBOUND	13.90					1														43.75		
US-64	13 + 93	ANCHORED STUB	AT-1	6.25	0	18.75	25.00	0	WESTBOUND	13.93									1										12.50	EXTEND BY 12.5 WITH AN AT-1 UNIT TO SATISFY LON	
US-64	13 + 97	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	EASTBOUND	13.97					1														43.75	TRAILING	
US-64	14 + 19	ANCHORED STUB	AT-1	6.25	0	6.25	25.00	0	WESTBOUND	14.19									1										12.50	TRAILING	
US-64	14 + 21	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	WESTBOUND	14.21					1														43.75		
US-64	14 + 24	ANCHORED STUB	AT-1	6.25	0	6.25	25.00	0	WESTBOUND	14.24									1										12.50	TRAILING	
US-64	14 + 35	ANCHORED STUB	AT-1	6.25	0	6.25	25.00	0	WESTBOUND	14.35									1										12.50		
US-64	14 + 41	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	EASTBOUND	14.41					1														43.75	TRAILING	
US-64	14 + 43	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	EASTBOUND	14.43																			43.75		
US-64	14 + 44	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	WESTBOUND	14.44					1														43.75	TRAILING	
US-64	14 + 53	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	WESTBOUND	14.53					1														43.75		
US-64	14 + 56	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	EASTBOUND	14.56					1														43.75	TRAILING	
US-64	14 + 85	ANCHORED STUB	MFLEAT TL-3	39.70	162.50	0	50.00	0	EASTBOUND	14.85					1														112.50	REMOVE 112.5' AND REINSTALL 200' INCLUDING MFLEAT TO SATISFY LON	
US-64	15 + 00	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	WESTBOUND	15.00					1														43.75		
US-64	15 + 06	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	WESTBOUND	15.06					1														43.75		
US-64	15 + 18	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	WESTBOUND	15.18					1														43.75		
US-64	15 + 18	ANCHORED STUB	MFLEAT TL-3	39.70	25.00	0	50.00	0	EASTBOUND	15.18					1														68.75	TRAILING. 10:1 EXISTING OFFSET. USE 25' TRANSITION TO CREATE THE 13:1 NEEDED	
US-64	15 + 32	ANCHORED STUB	AT-1	6.25	0	6.25	25.00	0	EASTBOUND	15.32									1										12.50		
US-64	15 + 41	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	EASTBOUND	15.41					1														43.75	TRAILING	
US-64	15 + 43	ANCHORED STUB	AT-1	6.25	0	18.75	25.00	0	EASTBOUND	15.43									1										12.50	EXTEND LOCATION BY 12.5' INCLUDING THE AT-1 UNIT	
US-64	15 + 56	ANCHORED STUB	MSKT TL-3	50.00	25.00	0	50.00	0	EASTBOUND	15.56						1													75.00	TRAILING	
US-64	15 + 58	ANCHORED STUB	AT-1	6.25	0	6.25	50.00	0	EASTBOUND	15.58									1										12.50		
US-64	15 + 61	TAPERED TO GROUND	MFLEAT TL-3	39.70	37.50	0	50.00	0	EASTBOUND	15.61					1														75.00	TRAILING	
US-64	15 + 69	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	EASTBOUND	15.69					1														43.75		
US-64	15 + 72	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	WESTBOUND	15.72					1														43.75	TRAILING	
US-64	15 + 81	ANCHORED STUB	MSKT TL-3	50.00	25.00	0	50.00	0	EASTBOUND	15.81						1													75.00	TRAILING	
US-64	15 + 82	TAPERED TO GROUND	MFLEAT TL-3	39.70	25.00	0	50.00	0	WESTBOUND	15.82					1														75.00		
US-64	16 + 17	ANCHORED STUB	MFLEAT TL-3	39.70	100.00	0	50.00	0	EASTBOUND	16.17					1														75.00	REMOVE 75' OF EXISTING. INSTALL 100' AT A 50:1 FOLLOWED BY THE MFLEAT AT A 13:1 TO HELP WITH LON	
US-64	16 + 18	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	25.00	0	WESTBOUND	16.18					1														43.75	TRAILING	
US-64	16 + 44	ANCHORED STUB	AT-1	6.25	0	6.25	50.00	0	WESTBOUND	16.44									1										12.50		
US-64	16 + 45	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	EASTBOUND	16.45					1														43.75	TRAILING	
US-64	16 + 47	ANCHORED STUB	AT-1	6.25	0	6.25	50.00	0	EASTBOUND	16.47									1										12.50		
US-64	16 + 53	TAPERED TO GROUND	MFLEAT TL-3	39.70	50.00	0	50.00	0	EASTBOUND	16.53					1														75.00	TRAILING	
US-64	16 + 70	ANCHORED STUB	AT-1	6.25	0	6.25	50.00	0	EASTBOUND	16.70									1										12.50		
US-64	16 + 77	TAPERED TO GROUND	BURIED IN CUT	50.00	0	0	50.00	0	WESTBOUND	16.77										1									50.00	TRAILING	
US-64	16 + 81	ANCHORED STUB	MFLEAT TL-3	39.70	0	0	50.00	0	EASTBOUND	16.81					1														43.75	TRAILING	
US-64	16 + 83	ANCHORED STUB	AT-1	6.25	0	18.75	50.00	0	WESTBOUND	16.83									1												