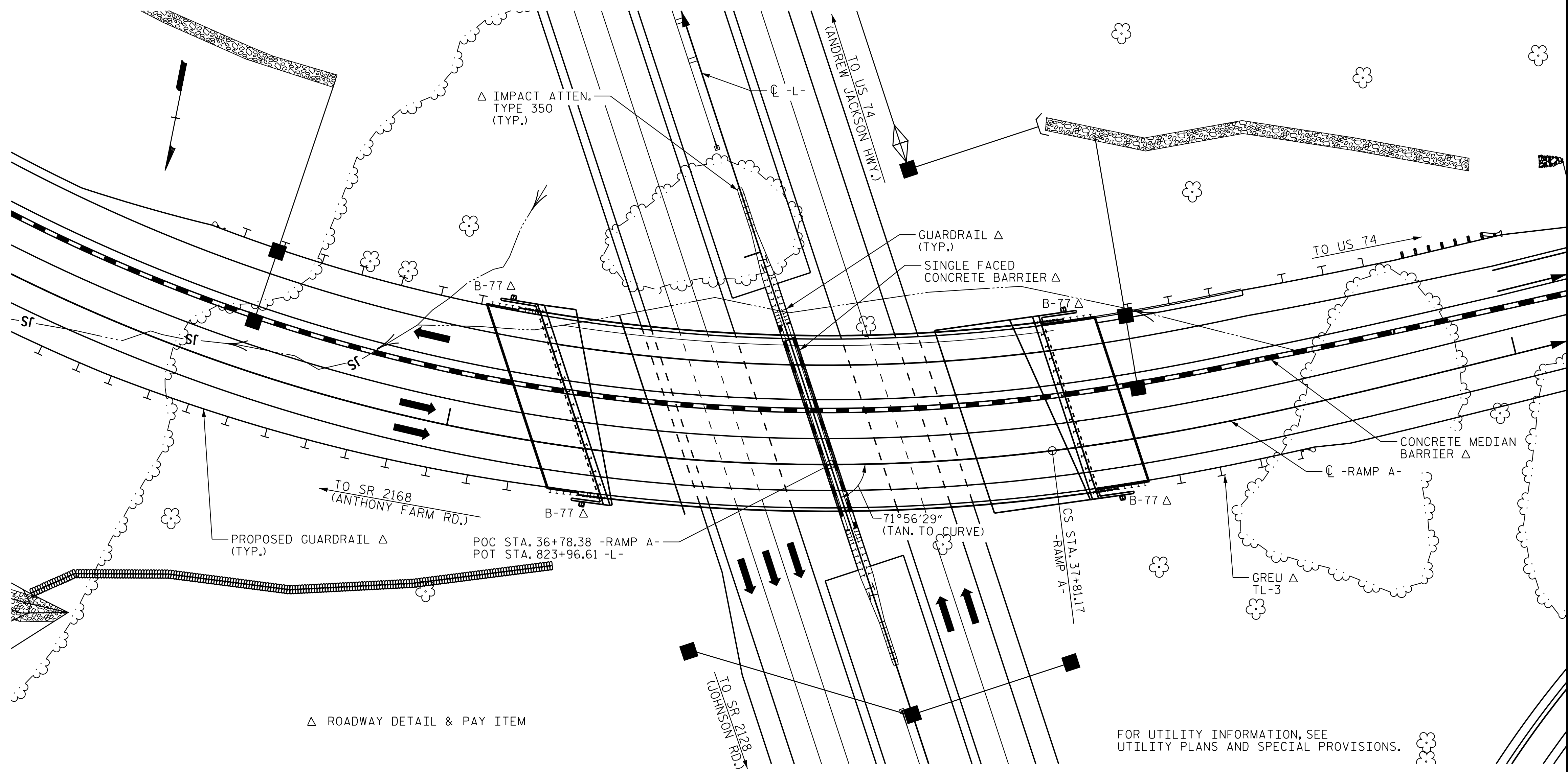


BENCH MARK #29 : N 1259149, E 573591 -BY23- STA. 11+32.41, 111.18' LEFT, ELEV. 853.86



LOCATION SKETCH

NOTES:

- ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.
- THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ASHTO LRFD BRIDGE DESIGN SPECIFICATION.
- THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.
- FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
- FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.
- FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.
- REMOVABLE FORMS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.
- NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER.
- THE CLASS AA CONCRETE IN THE BRIDGE DECK SHALL CONTAIN FLY ASH OR GROUND GRANULATED BLAST FURNACE SLAG AT THE SUBSTITUTION RATE SPECIFIED IN ARTICLE 1024-1 AND IN ACCORDANCE WITH ARTICLES 1024-5 AND 1024-6 OF THE STANDARD SPECIFICATIONS. NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION AS IT IS CONSIDERED INCIDENTAL TO THE COST OF THE REINFORCED CONCRETE DECK SLAB.
- WORK SHALL NOT BE STARTED ON THIS BRIDGE UNTIL ROADWAY SECTION HAS BEEN EXCAVATED.
- FOR 54" PRESTRESSED CONCRETE FLORIDA I-BEAM GIRDERS, SEE SPECIAL PROVISIONS.
- FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLAN.

TOTAL BILL OF MATERIAL

	FOUNDATION EXCAVATION	PDA TESTING	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	PILE DRIVING EQUIPMENT SETUP FOR HP 14 X 73 STEEL PILES	HP 14 X 73 STEEL PILES	CONCRETE BARRIER RAIL	CONCRETE MEDIAN BARRIER	4" SLOPE PROTECTION	ELASTOMERIC BEARINGS	EXPANSION JOINT SEALS	54" PRESTRESSED CONCRETE FLORIDA I-BEAM GIRDERS		
	LUMP SUM	EA.	SQ. FT.	SQ. FT.	CU. YDS.	LUMP SUM	LBS.	LBS.	EA.	NO.	LIN. FT	LIN. FT	LIN. FT	SQ. YDS	LUMP SUM	LUMP SUM	NO.	LIN. FT
SUPERSTRUCTURE			18,727	19,395		LUMP SUM					501.4	280.7		LUMP SUM	LUMP SUM	18	2,043.9	
END BENT 1					94.5		13,635		17	17	1,240			371				
BENT 1	LUMP SUM				165.7		31,245	2,174	30	30	930							
END BENT 2					90.3		12,783		17	17	745			491				
TOTAL	LUMP SUM	1	18,727	19,395	350.5	LUMP SUM	57,663	2,174	64	64	2,915	501.4	280.7	862	LUMP SUM	LUMP SUM	18	2,043.9

**PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION**

PROJECT NO. R-2707D
CLEVELAND COUNTY
 STATION: 36+78.38 -RAMP A-

SHEET 5 OF 6

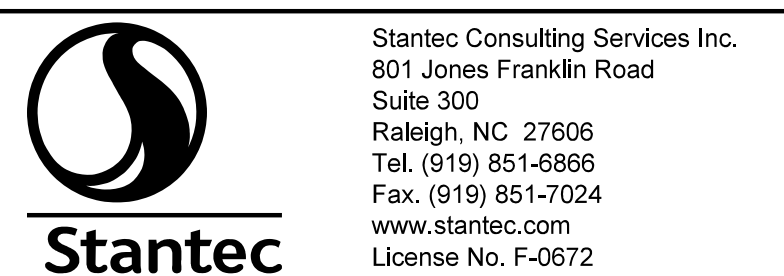
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 FOR BRIDGE OVER US 74 BYPASS
 ON US 74 RAMP/LOOP
 BETWEEN SR 2168 (ANTHONY FARM RD.)
 AND US 74



DocuSigned by:
Victor E. Fraga
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S4-05
1			3			TOTAL SHEETS 43
2			4			



DRAWN BY : J. B. GEILE DATE : 04/27/18
 CHECKED BY : T. R. DUDECK DATE : 01/30/23
 DESIGN ENGINEER OF RECORD : V. E. FRAGA DATE : 05/09/23

c:\Users\vfraga\documents\p_w_working\jms55432\2707D_SML_G002_220491.dgn
 2023-05-05 15:19:44 vfraga