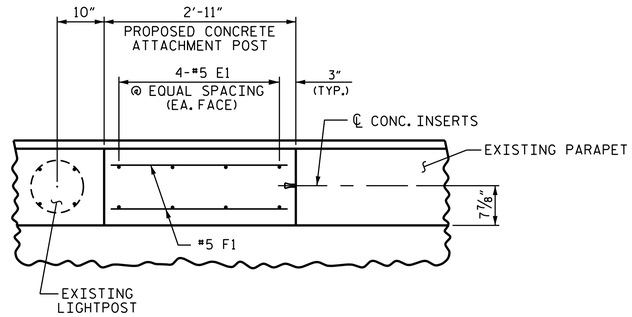
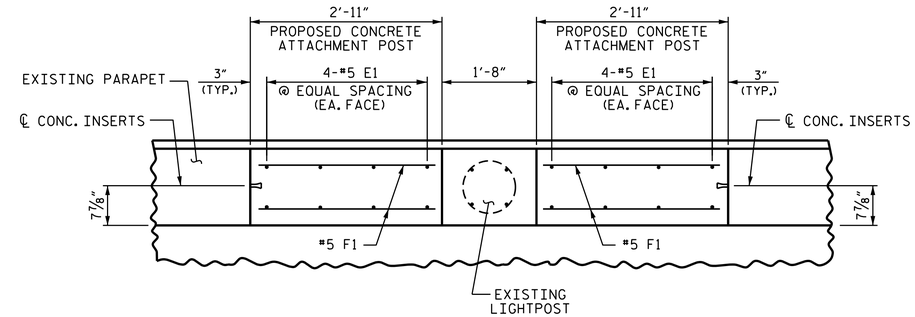
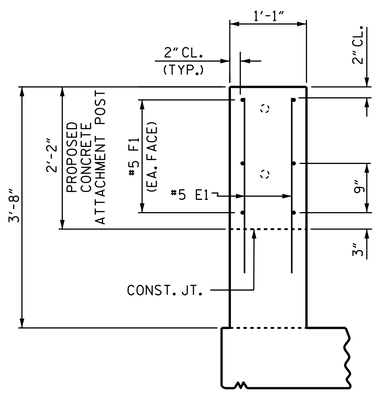


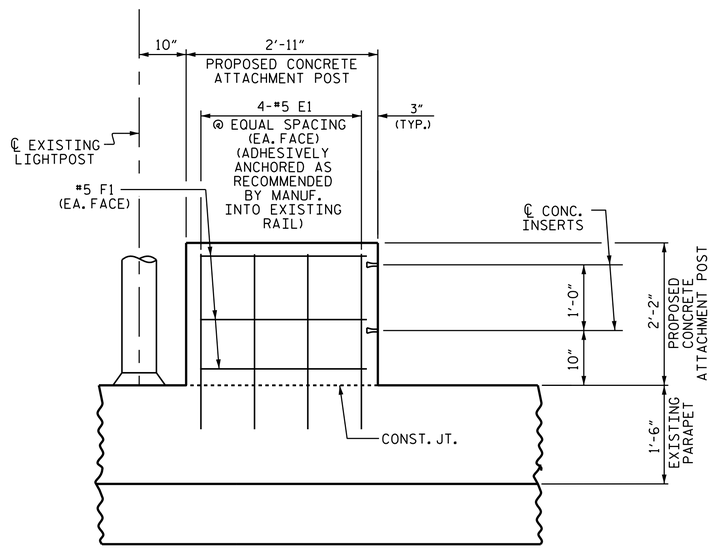
PLAN OF METAL RAIL ATTACHMENT POST @ BEGINNING /END OF BRIDGE



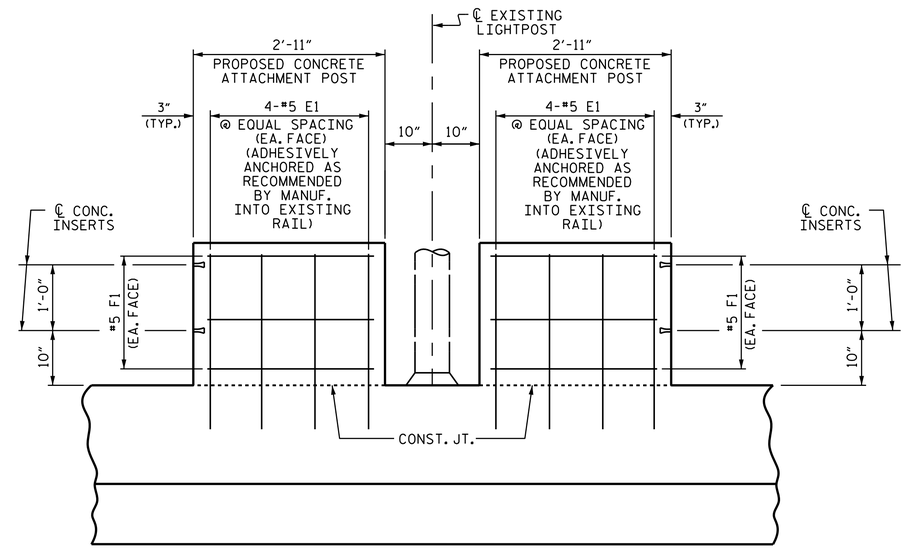
PLAN OF METAL RAIL ATTACHMENT POST ALONG BRIDGE @ LIGHTPOSTS



END VIEW



ELEVATION @ BEGINNING/END OF BRIDGE



ELEVATION ALONG BRIDGE @ LIGHTPOSTS

NOTES

ALL REINFORCING STEEL IN THE ATTACHMENT POSTS SHALL BE EPOXY COATED.

THE #5 E1 BARS SHALL BE INSTALLED USING AN ADHESIVE ANCHORING SYSTEM. THE YIELD LOAD FOR THE #5 E1 BARS IS 18.6 KIPS.

THE CONCRETE ATTACHMENT POSTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 460 OF THE STANDARD SPECIFICATIONS AND WILL BE MEASURED AND PAID FOR AS THE NUMBER OF LINEAR FEET OF 1'-1" x 2'-2" CONCRETE ATTACHMENT POST.

BILL OF MATERIAL FOR ONE ATTACHMENT POST (24 REQ'D.)

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳E1	8	#5	STR	2'-8"	23
✳F1	6	#5	STR	2'-6"	16
✳EPOXY COATED REINFORCING STEEL					39
CLASS AA CONCRETE					.3 C.Y.
CONCRETE ATTACHMENT POST TOTAL					70 LIN. FT.

PROJECT NO. 15BPR.4

NASH COUNTY

BRIDGE No. 94

SHEET 4 OF 4

NORTH CAROLINA PROFESSIONAL SEAL 030024 ENGINEER ASTER G. ABRAHA

DocuSigned by: Aster Abraha 2/12/2018

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

ATTACHMENT POSTS FOR BRIDGE RAIL

DRAWN BY : M.K. BEARD DATE : 1/16/18

CHECKED BY : A. G. ABRAHA DATE : 1/18/18

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS							
NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.	S-18
1			3			TOTAL SHEETS	61
2			4				

12-FEB-2018 14:47
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aabraha