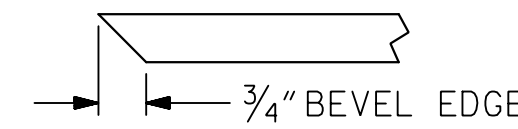


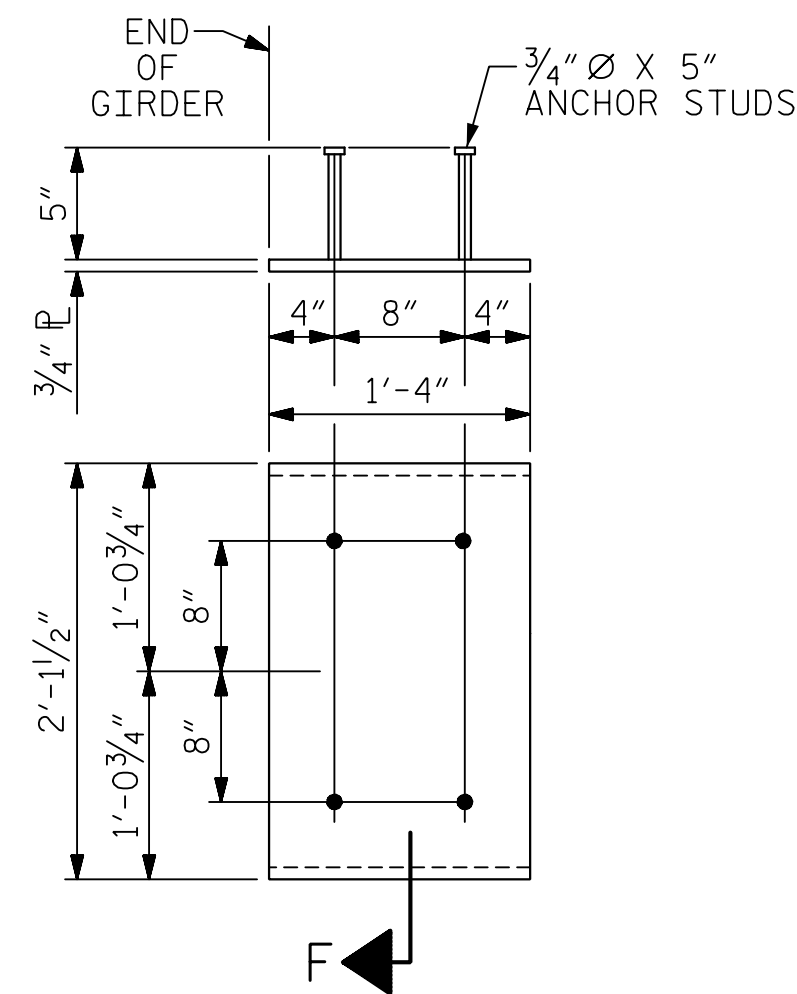
DETAIL "A"

(FOR AASHTO TYPE IV GIRDERS)



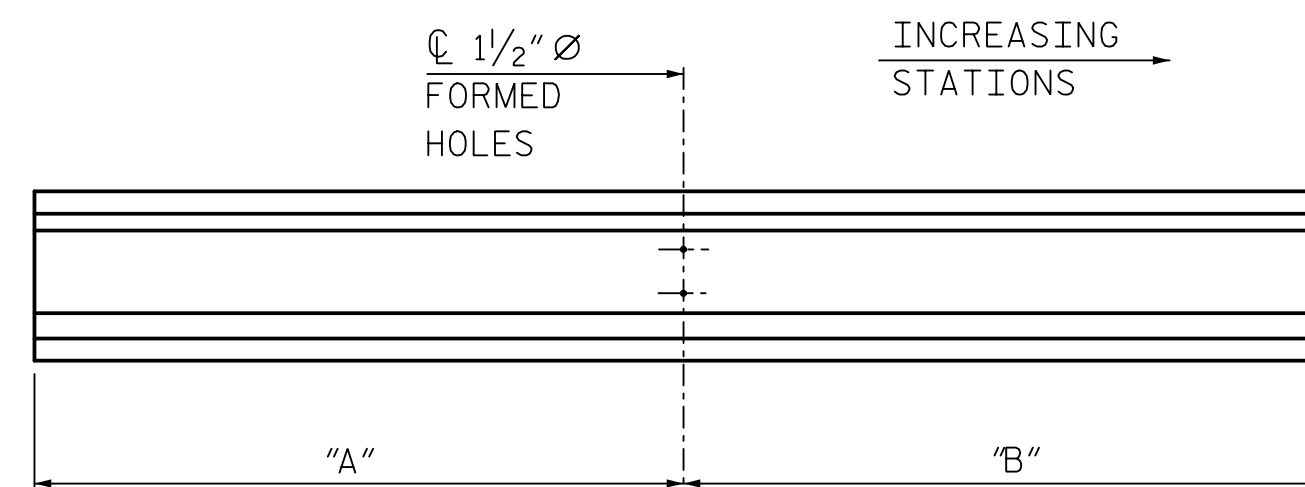
SECTION "F"

(SEE NOTES)



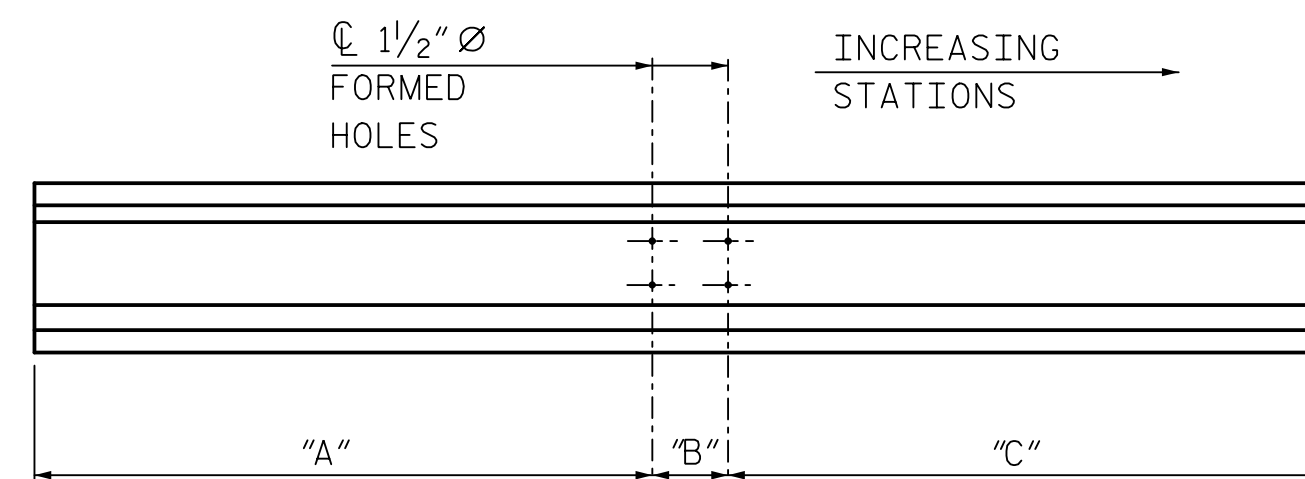
EMBEDDED PLATE "B-1" DETAILS FOR AASHTO TYPE IV GIRDER

(2 REQ'D PER GIRDER)



GIRDER ELEVATION

GIRDER	"A"	"B"
GA1	43'-7 ³ / ₈ "	38'-7 ⁵ / ₈ "
GA4	38'-9 ⁵ / ₈ "	43'-10 ³ / ₈ "
GB1	42'-2 ¹¹ / ₁₆ "	36'-6 ¹¹ / ₁₆ "
GB4	36'-9 ¹ / ₈ "	42'-6 ³ / ₈ "
GC1	44'-1 ¹¹ / ₁₆ "	37'-8 ³ / ₁₆ "
GC4	38'-0 ³ / ₁₆ "	44'-6 ⁹ / ₁₆ "



GIRDER ELEVATION

GIRDER	"A"	"B"	"C"
GA2	38'-8 ¹ / ₂ "	4'-11 ⁵ / ₁₆ "	38'-8 ³ / ₁₆ "
GA3	38'-9 ¹ / ₁₆ "	5'-0 ⁷ / ₁₆ "	38'-8 ⁷ / ₈ "
GB2	36'-7 ¹¹ / ₁₆ "	5'-8 ⁹ / ₁₆ "	36'-7 ³ / ₈ "
GB3	36'-8 ³ / ₈ "	5'-8 ⁵ / ₁₆ "	36'-8 ¹ / ₁₆ "
GC2	37'-10 ¹ / ₈ "	6'-5 ⁵ / ₁₆ "	37'-9 ¹³ / ₁₆ "
GC3	37'-11 ³ / ₁₆ "	6'-5 ¹⁵ / ₁₆ "	37'-10 ¹ / ₈ "

1 1/2" diameter FORMED HOLE LOCATIONS

NOTES

ALL PRESTRESSING STRANDS SHALL BE 7-WIRE LOW-RELAXATION GRADE 270 STRANDS AND SHALL CONFORM TO AASHTO M203 EXCEPT FOR SAMPLING REQUIREMENTS WHICH SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

ALL REINFORCING STEEL SHALL BE GRADE 60.

APPLY EPOXY PROTECTIVE COATING TO END OF GIRDER SURFACES INDICATED IN ELEVATION VIEW.

EMBEDDED PLATE "B-1" SHALL BE GALVANIZED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

ANCHOR STUDS SHALL CONFORM TO AASHTO M169 GRADES 1010 THROUGH 1020 OR APPROVED EQUAL, AND SHALL MEET THE TYPE "B" REQUIREMENTS OF SUBSECTION 7.3 OF THE ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE.

AT ENDS OF GIRDERS TO BE EMBEDDED IN CONCRETE DIAPHRAGMS OR END WALLS, PRESTRESSING STRANDS MAY EXTEND A MAXIMUM OF 2" BEYOND THE GIRDER ENDS. OTHERWISE, PRESTRESSING STRANDS SHALL BE CUT FLUSH WITH THE GIRDER ENDS.

DEPENDING ON THE TYPE OF SYSTEM USED TO SUPPORT THE DECK SLAB FORMS, PRESET ANCHORS MAY BE NECESSARY IN THE PRESTRESSED CONCRETE GIRDER.

THE TOP SURFACE OF THE GIRDER, EXCLUDING THE OUTSIDE 4", SHALL BE RAKED TO A DEPTH OF 1/4".

THE CONTRACTOR HAS THE OPTION TO PROVIDE, AT NO ADDITIONAL COST TO THE DEPARTMENT, 2 ADDITIONAL STRANDS AT THE TOP OF THE GIRDER TO FACILITATE TYING OF THE REINFORCING STEEL. THESE STRANDS SHALL BE PULLED TO A LOAD OF 4500 lbs.

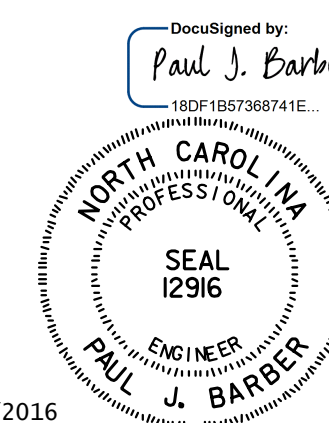
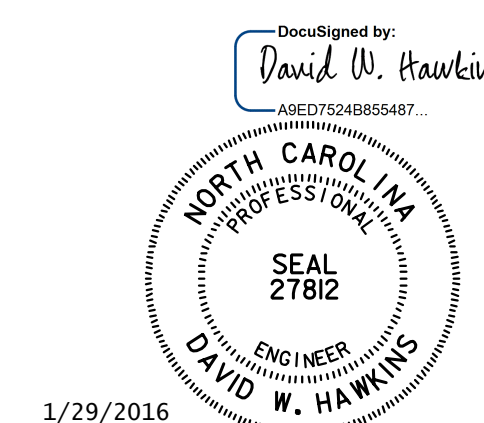
PROJECT NO. B-4811

RUTHERFORD COUNTY

STATION: POC 15+25.00 -L-

SHEET 3 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
PRESTRESSED CONCRETE GIRDER
CONTINUOUS FOR LIVE LOAD
DETAILS



ASSEMBLED BY : J. BAYNE	DATE : 3/15
CHECKED BY : D. RAGAN	DATE : 3/15
DRAWN BY : ELR 11/91	REV. 10/1/11 MAA/GM
CHECKED BY : GRP 11/91	REV. 1/15 MAA/TMG
	REV. 2/15 MAA/TMG

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HNTB	HNTB NORTH CAROLINA, P.C. NC License No. C-1554 343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609
DRAWN BY : J. BAYNE	DATE : 3/15
CHECKED BY : D. RAGAN	DATE : 3/15
	DWG. NO. 14

REVISIONS				SHEET NO.
NO.	BY:	DATE:	DATE:	S01-14
1		3		TOTAL SHEETS
2		4		42