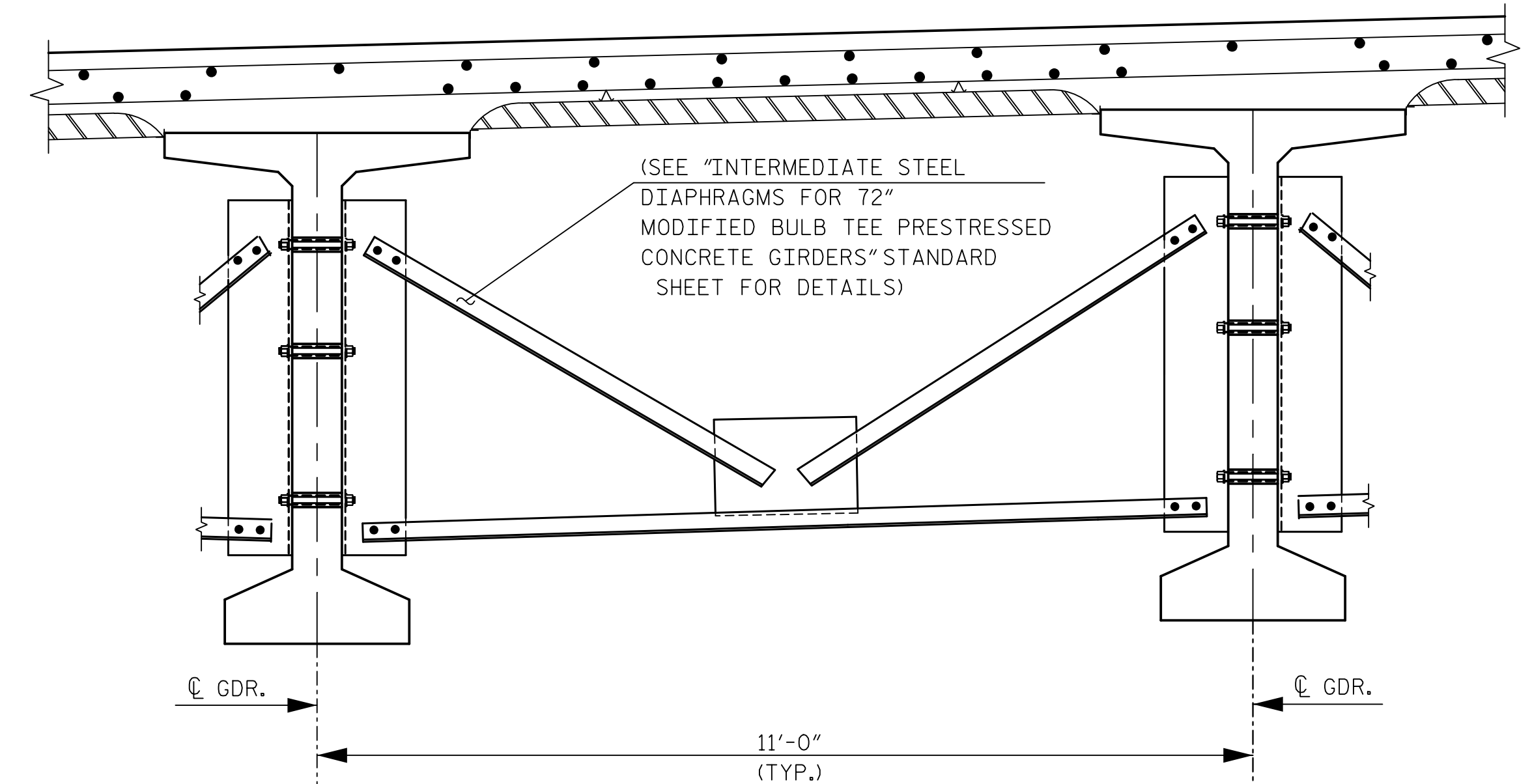


DETAIL "A"

TYPICAL SECTION AT INTEGRAL END BENT
FOR SECTION THRU END BENT, SEE SECTION A-A, SHEET 2 OF 2

NOTES

- PROVIDE 1/4" HIGH BEAM BOLSTERS UPPER AT 4'-0" CTS. ATOP THE METAL STAY-IN-PLACE FORMS TO SUPPORT THE BOTTOM MAT OF 'A' BARS. WHEN USING REMOVABLE FORMS, PROVIDE CONTINUOUS HIGH CHAIRS FOR METAL DECK (CHCM) AT 4'-0" CTS. WITH A HEIGHT TO SUPPORT THE BOTTOM MAT OF 'A' BARS A CLEAR DISTANCE OF 2 1/2" ABOVE THE TOP OF THE REMOVABLE FORM.
- LONGITUDINAL STEEL MAY BE SHIFTED SLIGHTLY, AS NECESSARY, TO AVOID INTERFERENCE WITH STIRRUPS IN PRESTRESSED CONCRETE GIRDERS.
- PREVIOUSLY CAST CONCRETE IN EACH SPAN SHALL HAVE ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI BEFORE ADDITIONAL CONCRETE IS CAST IN THE SPAN.
- BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
- TO MAINTAIN PROPER LOCATION OF "A" BARS IN THE TOP OF SLAB, BBU DEPTH MUST VARY IN UNIT AS THE MAXIMUM SIZE OF THE "B" BARS IN THE TOP OF THE SLAB VARIES. A 2 1/4" BBU SHALL BE USED WHERE ONLY #4 "B" BARS ARE PRESENT. WHERE #6 "B" BARS ARE PRESENT, A 2" BBU SHALL BE USED.
- NO CHAMFER IS REQUIRED ON CORNERS OF GIRDER BUILD-UPS.



PARTIAL TYPICAL SECTION
(SHOWING INTERMEDIATE DIAPHRAGM)

'B' BAR KEY

- = CONTINUOUS BAR RUN, SEE PLAN OF SPAN SHEETS.
- o = NON-CONTINUOUS BAR RUN FOR NEGATIVE MOMENT REGIONS, SEE PLAN OF SPAN SHEETS.

DocuSigned by:

 BRUCE BOSLEY
 ENGINEER
 12/7/2018

DocuSigned by:

 PAUL J. BARBER
 ENGINEER
 12/7/2018

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: A. GOFF DATE: 7/18
 CHECKED BY: J. ELKINS DATE: 7/18
 DESIGN ENGINEER OF RECORD: B. BOSLEY DATE: 12/18

DWG. NO. 5

PROJECT NO. R-5021
BRUNSWICK COUNTY
 STATION: 39+52.37 -Y14A-

SHEET 1 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUPERSTRUCTURE
 TYPICAL SECTION

REVISIONS						SHEET NO. S4-5
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 24
2			4			