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NOTES

PROVIDE 1¼″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 (C.H.C.M.) @ 4′-0″CTS. WITH A HEIGHT TO SUPPORT THE BOTTOM MAT OF ″A″ BARS A CLEAR DISTANCE OF 2½″ABOVE THE TOP OF THE REMOVABLE FORM.

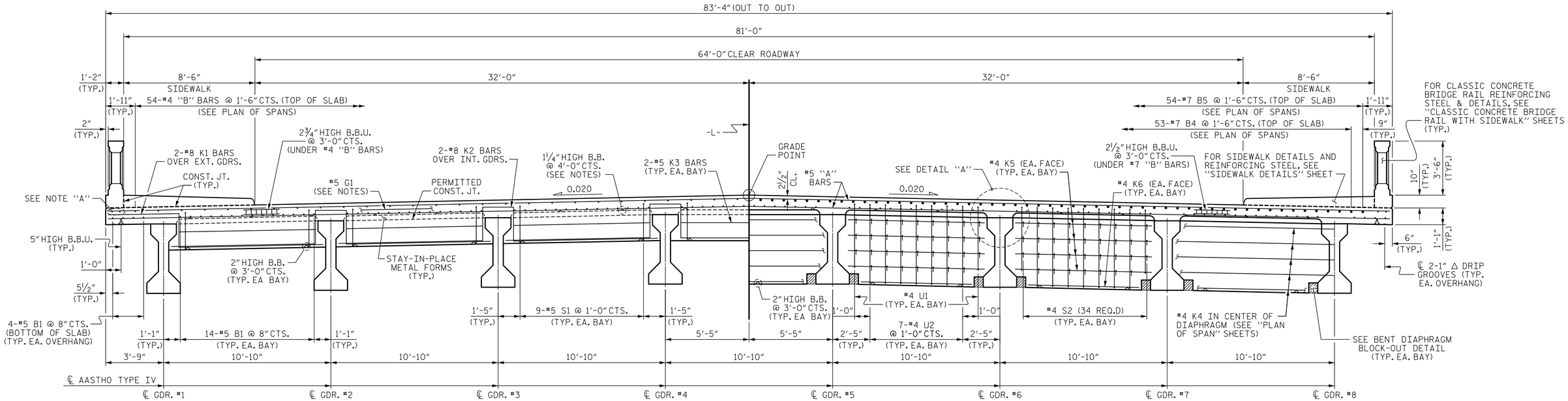
LONGITUDINAL STEEL MAY BE SHIFTED SLIGHTLY, AS NECESSARY, TO AVOID INTERFERENCE WITH STIRRUPS IN PRESTRESSED CONCRETE GIRDERS.

BARRIER RAIL AND SIDEWALK IN A CONTINUOUS UNIT SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THE UNIT HAS BEEN CAST AND HAS REACHED A MINIMUM CONPRESSIVE STRENGTH OF 3,000 PSI.

PREVIOUSLY CAST CONCRETE IN A CONTINUOUS UNIT SHALL HAVE ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI BEFORE ADDITIONAL CONCRETE IS CAST IN THE UNIT.

#5 G1 BARS MAY BE SHIFTED SLIGHTLY AS NECESSARY TO CLEAR REINFORCING STEEL AND STIRRUPS.

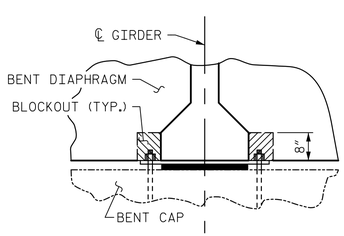
NOTE ″A″
2-#4 B20 BARS ARE REQUIRED IN TOP OF SLAB. FOR PLACEMENT, SEE ″CLASSIC CONCRETE BRIDGE RAIL WITH SIDEWALK″ SHEET 3 OF 7.



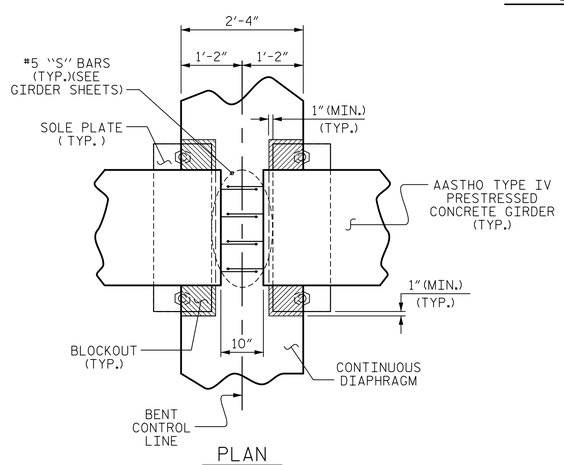
HALF-SECTION
(SHOWING END BENT DIAPHRAGMS)

HALF-SECTION
(SHOWING CONTINUOUS FOR LIVE LOAD DIAPHRAGMS)

TYPICAL SECTION

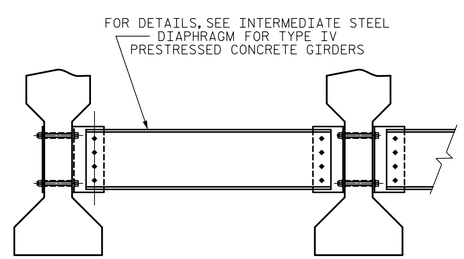


SECTION



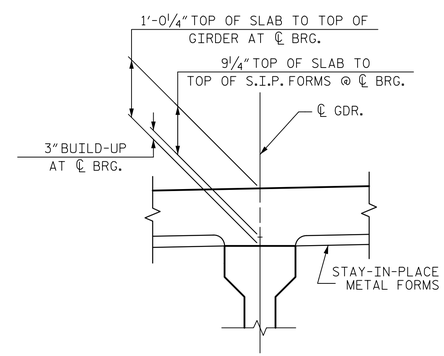
PLAN

BENT DIAPHRAGM BLOCK-OUT DETAIL



TYPICAL PARTIAL SECTION

SHOWING INTERMEDIATE STEEL DIAPHRAGM
(TYP. EA. BAY)



DETAIL ″A″

PROJECT NO. B-5103
NEW HANOVER COUNTY
STATION: 16+84.96 -L-

SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

TYPICAL SECTION

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11/5/2014
NORTH CAROLINA PROFESSIONAL SEAL 038447 ENGINEER ANDREW S. MILLER
DocuSigned by: Andrew S. Miller
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-5
1			3			TOTAL SHEETS
2			4			48

DRAWN BY : M. K. TOM DATE : 7/2/14
CHECKED BY : K. H. COMPTON DATE : 8/25/14
DESIGNED BY : M. K. TOM DATE : 7/2/14

11/5/2014
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matt_tom