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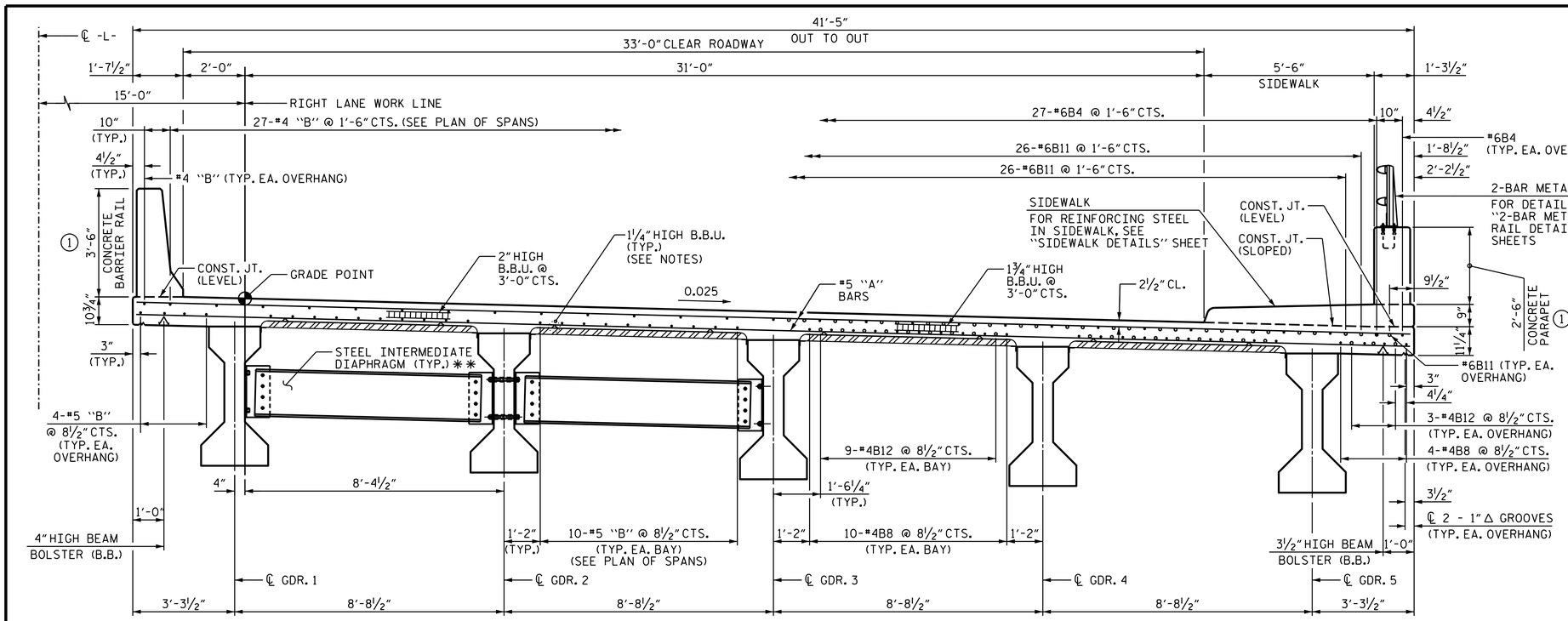


HALF SECTION AT MIDSPAN

HALF SECTION - LINK SLAB AT BENTS

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.) AT 4'-0" CTS. WITH A HEIGHT TO SUPPORT THE BOTTOM MAT OF "A" BARS A CLEAR DISTANCE OF 2 ½" 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 A CONTINUOUS UNIT SHALL HAVE ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI BEFORE ADDITIONAL CONCRETE IS CAST IN THE UNIT.

CONCRETE PARAPET, 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 COMPRESSIVE STRENGTH OF 3,000 PSI.

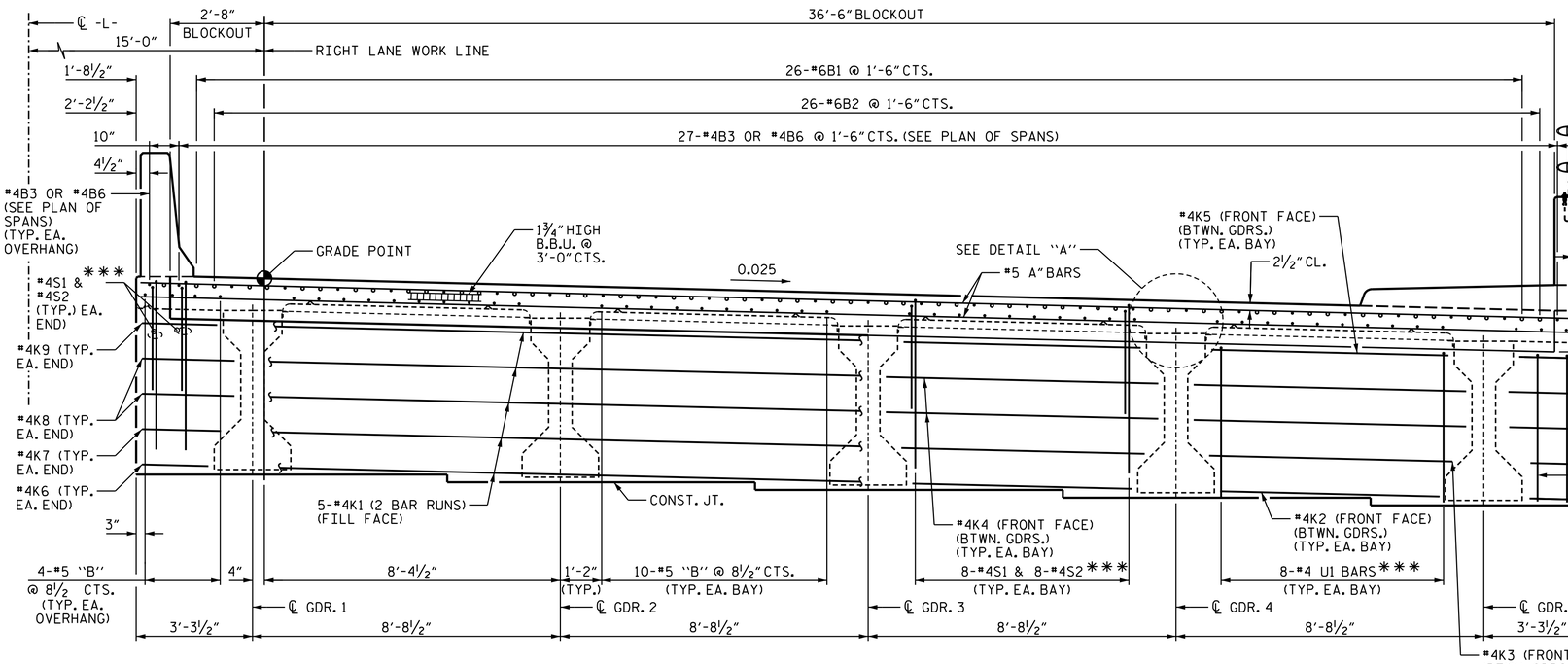
ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL UNLESS OTHERWISE NOTED.

** FOR INTERMEDIATE STEEL DIAPHRAGM DETAILS, SEE "INTERMEDIATE STEEL DIAPHRAGMS FOR TYPE IV PRESTRESSED CONCRETE GIRDERS" SHEET.

*** #4S1, #4S2, AND #4U1 BARS TO MATCH WITH #4 "V" BARS IN INTEGRAL END BENT CAP

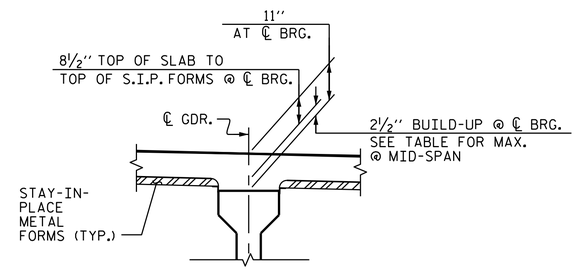
1 FOR BARRIER RAIL AND PARAPET REINFORCING STEEL & DETAILS, SEE "CONCRETE BARRIER RAIL AND PARAPET" SHEETS.

TYPICAL SECTION



TYPICAL SECTION AT INTEGRAL END BENT

(FOR ADDITIONAL DIMENSIONS, SEE TYPICAL SECTION ABOVE)



SPAN	MAX. MID-SPAN BUILD-UP (INCHES)*	CONTROLLING GIRDER
1	2 5/16"	2, 3, 4
2	2 1/8"	2, 3, 4
3	2 3/16"	2, 3, 4

* BASED ON PREDICTED FINAL CAMBER AND THEORETICAL GRADE LINE ELEVATIONS

DETAIL "A"

PROJECT NO. B-5717

GUILFORD COUNTY

STATION: 21+22.00 -L-

SHEET 1 OF 2

DRAWN BY : M.L. CATER	DATE : 09/2021		
CHECKED BY : G. R. COLS	DATE : 09/2021		
DESIGNED BY : D.R. DRUM	DATE : 06/2021		
DESIGN CHECKED BY : S. NATARAJAN	DATE : 06/2021		

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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AECOM License No. F-0342

NORTH CAROLINA PROFESSIONAL SEAL 041543 ENGINEER GREGORY R. COLS

Docusigned by: 1B0CF0CC2C7E4E8...

4/8/2022

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

TYPICAL SECTION & DETAILS

(RIGHT LANE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-05
1			3			TOTAL SHEETS
2			4			38

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DATE: 3/31/2022
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