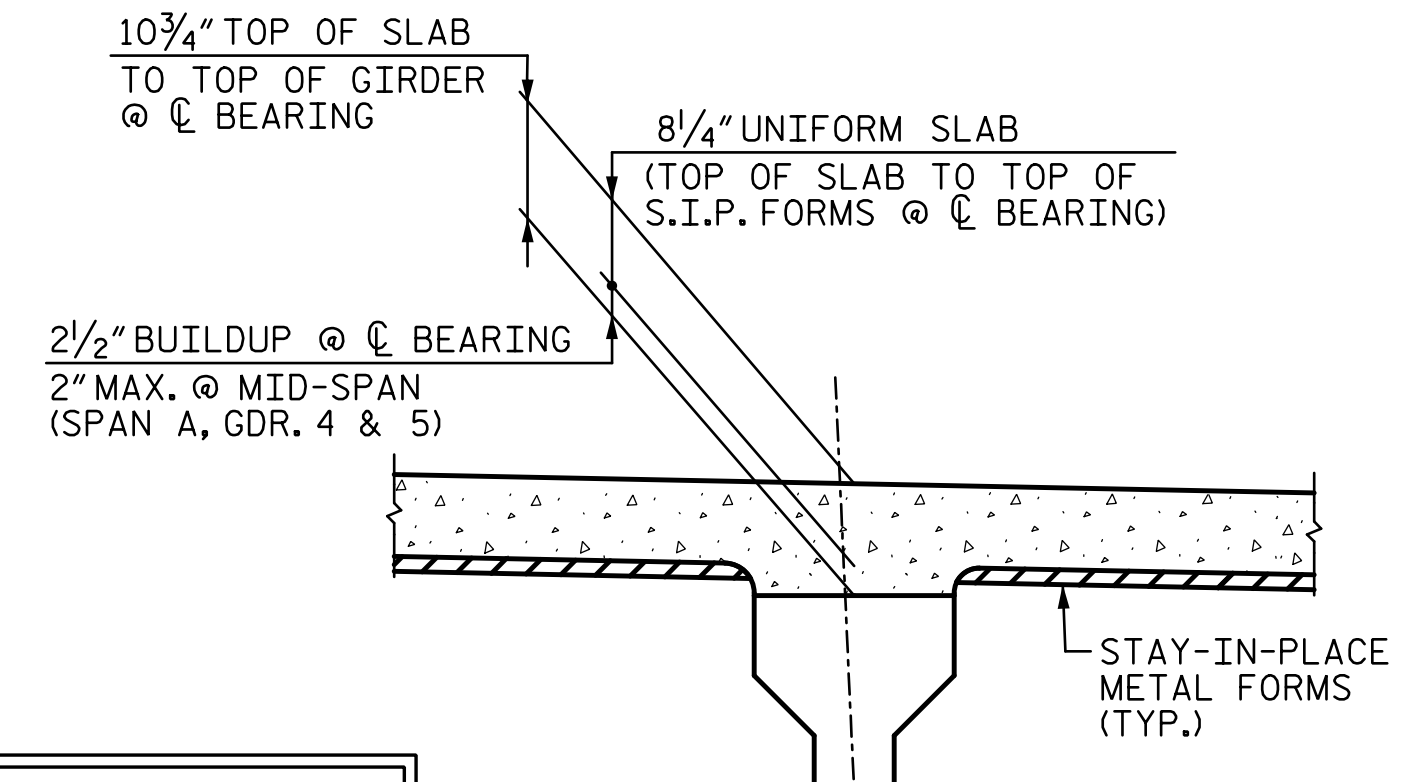


TYPICAL SECTION AT INTERMEDIATE DIAPHRAGMS - STAGE I

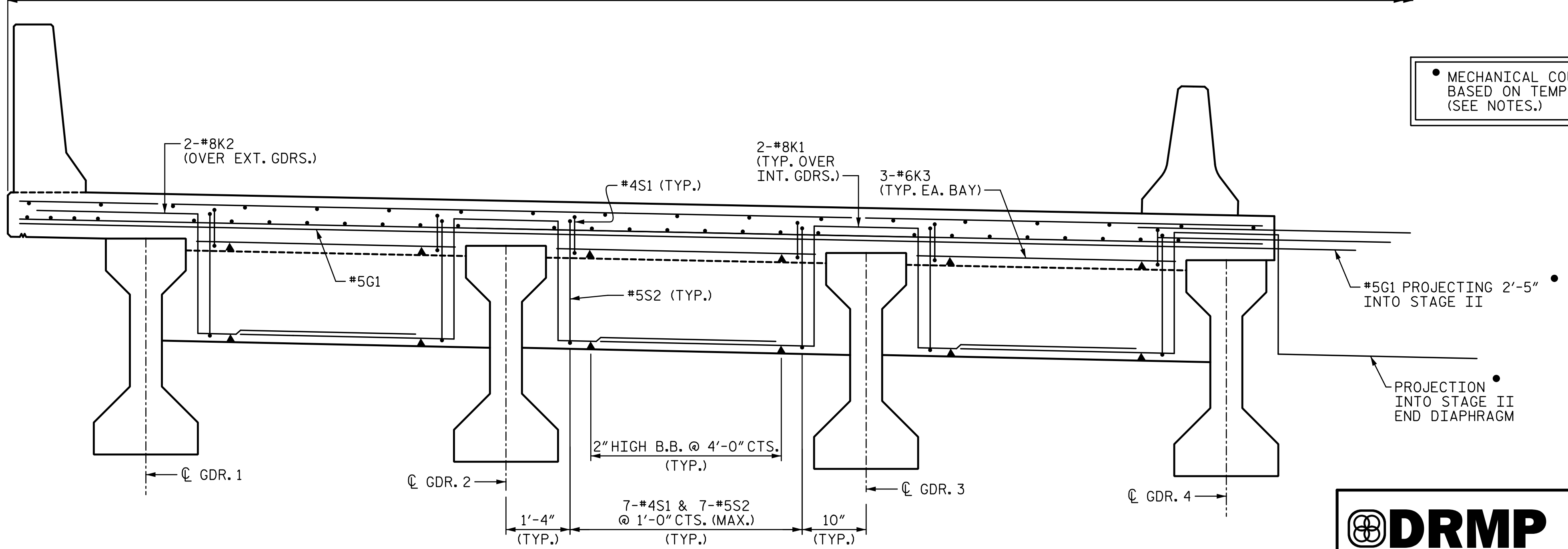
FOR BRIDGE DECK DIMENSIONS AND REINFORCEMENT DETAILS, SEE "TYPICAL SECTION AT INTERMEDIATE DIAPHRAGMS - STAGE I"

- NOTES:**
1. 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 (C.H.C.M.) @ 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.
 2. LONGITUDINAL STEEL MAY BE SHIFTED SLIGHTLY, AS NECESSARY, TO AVOID INTERFERENCE WITH STIRRUPS IN PRESTRESSED CONCRETE GIRDERS.
 3. CONCRETE BARRIER RAIL SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
 4. DOWELS SHALL BE PLACED IN THE SAME HORIZONTAL PLANE AS THE TOP AND BOTTOM SLAB REINFORCING STEEL.
 5. PREVIOUSLY CAST CONCRETE IN A SPAN SHALL HAVE ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI BEFORE ADDITIONAL CONCRETE IS CAST IN THE SPAN.
 6. HEIGHT OF BEAM BOLSTER IS CALCULATED @ C BRG.. CONTRACTOR SHALL ADJUST HEIGHTS, AS NECESSARY TO MAINTAIN PROPER CLEARANCE, DUE TO GIRDER CAMBER.
 7. FOR INTERMEDIATE DIAPHRAGM DETAILS, SEE "INTERMEDIATE STEEL DIAPHRAGMS FOR TYPE IV PRESTRESSED CONCRETE GIRDERS" SHEET.
 8. FOR END DIAPHRAGM SECTION AND DETAIL, SEE CORRESPONDING "TYPICAL SECTION DETAILS" AND "PLAN OF SPAN" SHEETS.
 9. SEE TRAFFIC CONTROL PLANS FOR LOCATION AND PAY LIMITS OF THE ANCHORED PORTABLE CONCRETE BARRIER.
 10. MECHANICAL COUPLERS SHALL BE CONSIDERED INCIDENTAL TO REINFORCED CONCRETE DECK SLABS. NO SEPARATE PAYMENT WILL BE MADE.



DETAIL "A"

MECHANICAL COUPLERS MAY BE REQUIRED BASED ON TEMPORARY SHORING LOCATION. (SEE NOTES.)



TYPICAL SECTION AT END DIAPHRAGMS - STAGE I

PROJECT NO. BR-0029
 MACON COUNTY
 STATION: 15+52.07 -L-
 SHEET 1 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 TYPICAL SECTION
 STAGE I

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-08
1			3			TOTAL SHEETS
2			4			33

DRMP
 4235 SOUTH STREAM BLVD.
 SUITE 150,
 CHARLOTTE, NC 28217
 (704) 332-2289
 NC LICENSE NO. C-2213
 2/14/2022

DRAWN BY : D. LOFLIN DATE : 08-2021
 CHECKED BY : V. WU DATE : 09-2021
 DESIGN ENGINEER OF RECORD : VINCENT M. WU DATE : 10-2021

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**