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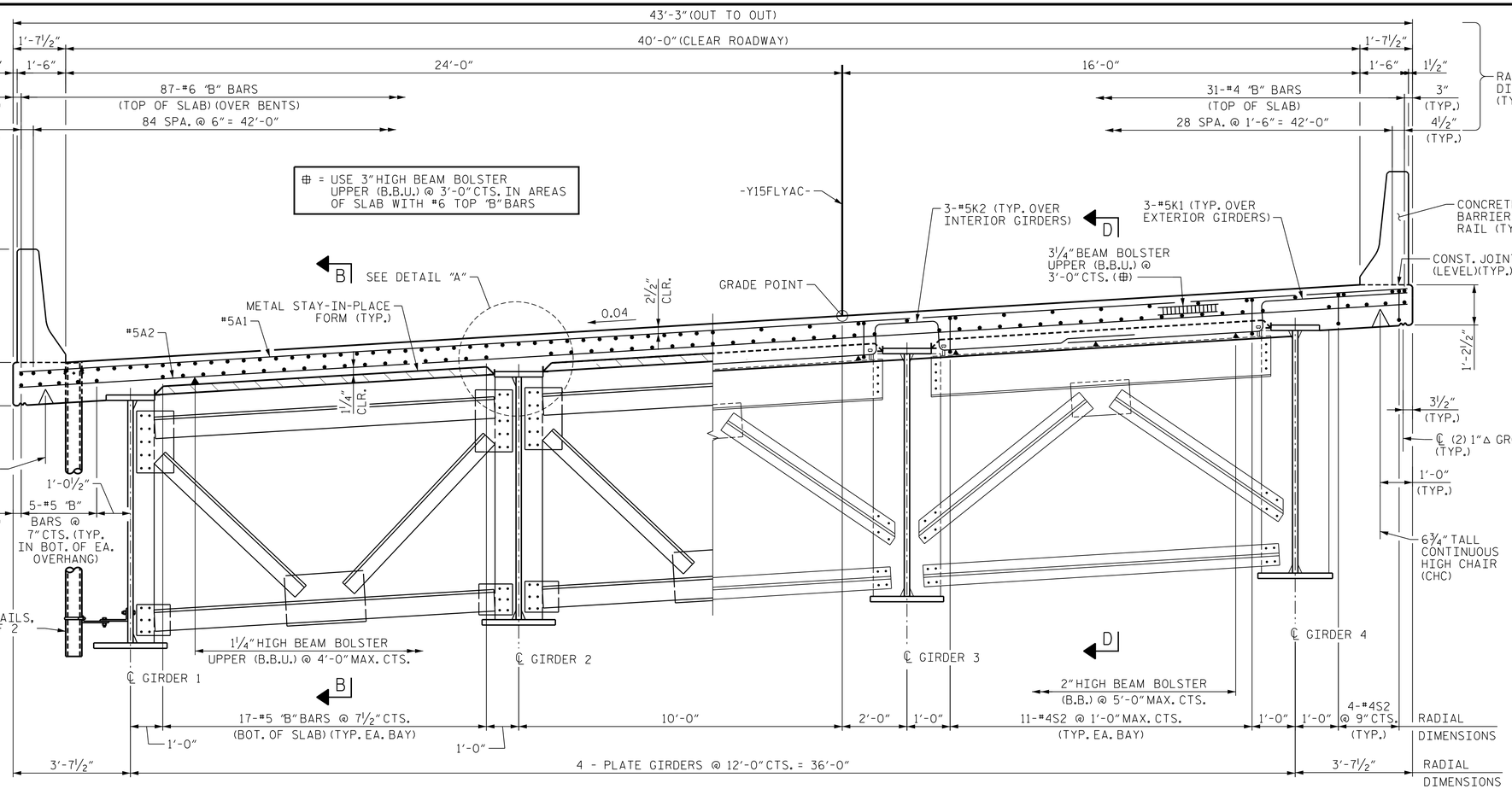
TYPICAL SECTION

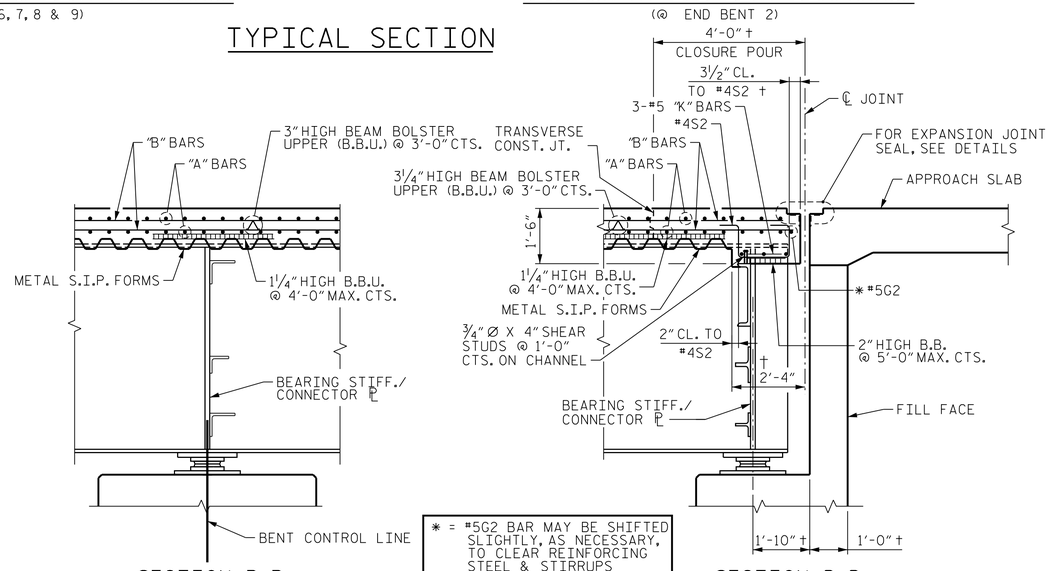


SECTION AT INTERMEDIATE & BENT DIAPHRAGM

(TYP. @ BENTS 1, 2, 4, 6, 7, 8 & 9)

SECTION AT END BENT DIAPHRAGM

(@ END BENT 2)



SECTION B-B

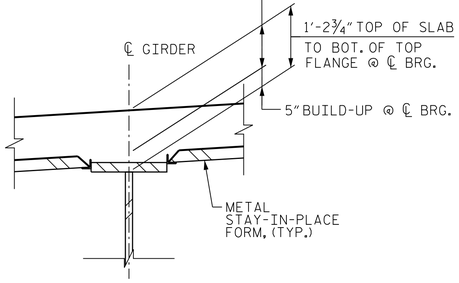
(TYP. @ BENTS 1, 2, 4, 6, 7, 8 & 9)

* = #5G2 BAR MAY BE SHIFTED SLIGHTLY, AS NECESSARY, TO CLEAR REINFORCING STEEL & STIRRUPS

† = DISTANCE NORMAL TO JOINT

SECTION D-D

(@ END BENT 2)



DETAIL "A"

NOTES

PROVIDE 1¼" HIGH BEAM BOLSTER UPPER (BBU) AT 4'-0" MAX. CENTERS 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" MAX. CENTERS WITH HEIGHT TO SUPPORT THE BOTTOM MAT OF "A" BARS A CLEAR DISTANCE OF 2½" ABOVE THE TOP OF THE REMOVABLE FORM.

FOR EXPANSION JOINT SEALS, SEE SPECIAL PROVISIONS.

METAL STAY-IN-PLACE FORMS SHALL NOT BE WELDED TO GIRDER FLANGES IN THE ZONES REQUIRING CHAPPY V-NOTCH TEST. SEE "SUPERSTRUCTURE GIRDER DETAILS" SHEETS.

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.

STRUCTURAL STEEL ERECTION IN A CONTINUOUS UNIT SHALL BE COMPLETE BEFORE FALSEWORK OR FORMS ARE PLACED ON THE UNIT.

THE CONTRACTOR MAY, WHEN NECESSARY, PROPOSE A SCHEME FOR AVOIDING INTERFERENCE BETWEEN METAL STAY-IN-PLACE FORM SUPPORTS OR FORMS AND BEAM/GIRDERS STIFFENERS OR CONNECTOR PLATES. THE PROPOSAL SHALL BE INDICATED, AS APPROPRIATE, ON EITHER THE STEEL WORKING DRAWINGS OR THE METAL STAY-IN-PLACE FORM WORKING DRAWINGS.

FOR TYPICAL SECTION INFORMATION AT BENT 3, SEE "SUBSTRUCTURE BENT 3 BENT CAP DETAILS" SHEETS.

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

PROJECT NO. U-2579AB

FORSYTH COUNTY

STATION: 60+66.06 -Y15FLYAC-

SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE TYPICAL SECTION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S04-018
1	--	--	3	--	--	TOTAL SHEETS
2	--	--	4	--	--	144

NORTH CAROLINA PROFESSIONAL SEAL 29589 ENGINEER DOMENIC A. COLETTI

10/15/2021

HDR Engineering, Inc. of the Carolinas
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
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DES CHK:	M. NEIHEISEL	DATE :	06/19
DWG BY:	B. PETERSON	DATE :	07/19
CHK BY:	G. SCHMITZ	DATE :	11/19

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