

HALF SECTION AT END BENT AND BENT DIAPHRAGMS

HALF SECTION AT INTERMEDIATE DIAPHRAGMS

**TYPICAL SECTION**

(SPAN AC SHOWN, SPANS AA AND AB SIMILAR)  
 FOR INTERMEDIATE STEEL DIAPHRAGM DETAILS, SEE "INTERMEDIATE STEEL DIAPHRAGMS FOR TYPE IV PRESTRESSED CONCRETE GIRDERS" SHEET.

**NOTES**

WHEN USING REMOVABLE FORMS, PROVIDE BEAM BOLSTERS @ 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 A CONTINUOUS UNIT SHALL HAVE ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI BEFORE ADDITIONAL CONCRETE IS CAST IN THE UNIT.

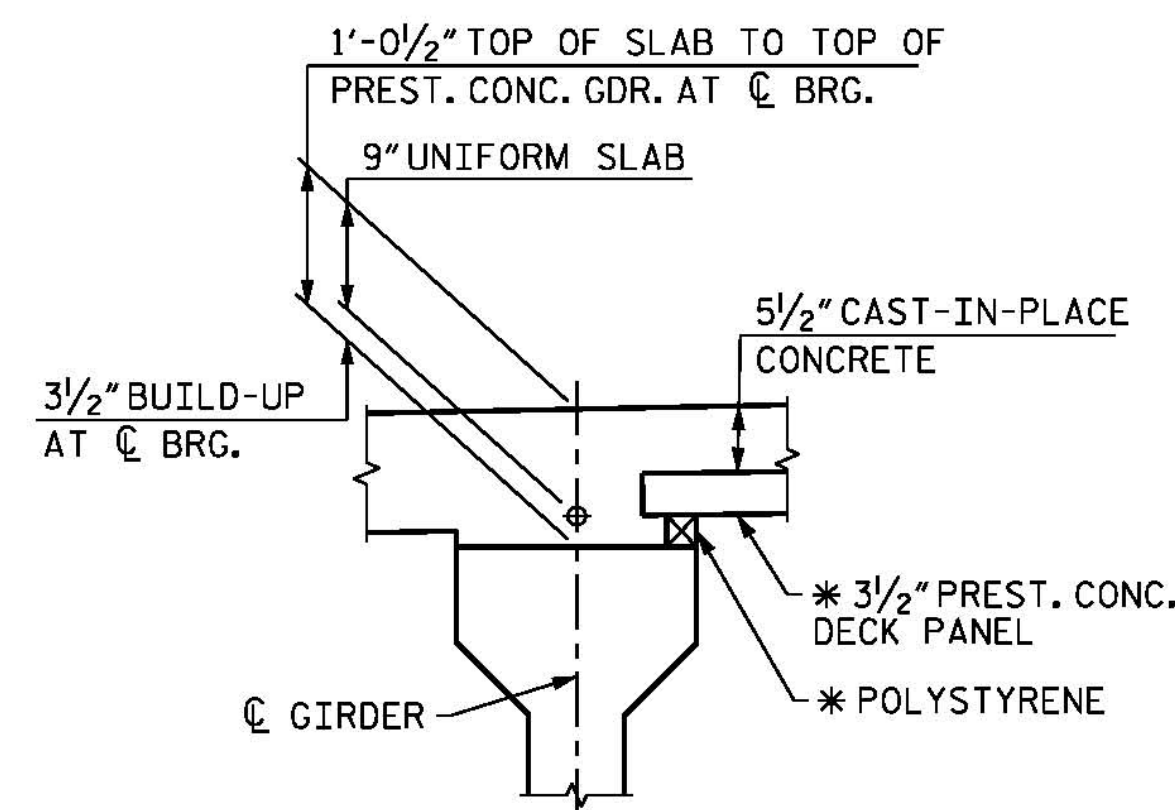
VERTICAL CONCRETE BARRIER RAIL, CONCRETE PARAPET AND CONCRETE CURB IN A CONTINUOUS UNIT SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THE UNIT HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

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

REMOVABLE FORMS ARE TO BE USED IN BAY 1.

\* FOR PRECAST PRESTRESSED CONCRETE DECK PANEL AND POLYSTYRENE DETAILS AND NOTES, SEE "PRECAST PRESTRESSED CONCRETE DECK PANELS" SHEET.

\* FOR 4"x8" DRAINAGE SPACING, SEE "VERTICAL CONCRETE BARRIER RAIL, PARAPET AND RAIL POST LAYOUT" SHEET.



**DETAIL "A"**

(DIMENSIONS TYP. EA. GIRDER)  
(SPANS AA, AB, AND AC)

PROJECT NO. B-4929  
PENDER COUNTY  
 STATION: 38+13.81 -L2-

SHEET 6 OF 13

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTURE  
 TYPICAL SECTION  
 SPANS AA, AB AND AC



**PARSONS BRINCKERHOFF**  
 434 FAYETTEVILLE STREET  
 SUITE 1500  
 RALEIGH, NC 27601  
 LICENSE NO. F-0165

DocuSigned by:  
 Jason R. Doughty

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-37
1			3			TOTAL SHEETS
2			4			278

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

5/9/2016 400\_071\_B4929\_SMU\_TYP06.dgn

DESIGNED BY:	J. BORUTA	DATE:	OCT 2015
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CHECKED BY:	E. DAVIS	DATE:	FEB 2016
DESIGN ENGINEER OF RECORD:	J. DOUGHTY	DATE:	MAY 2016