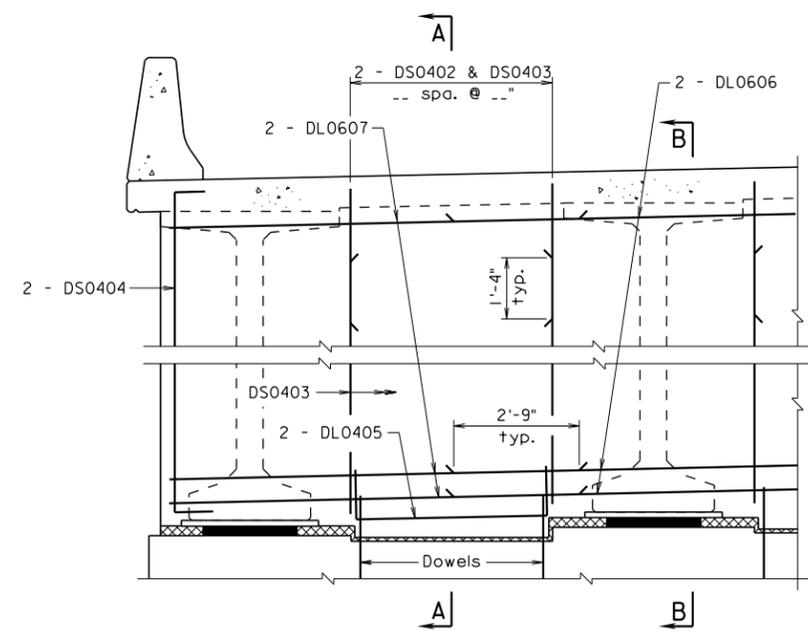
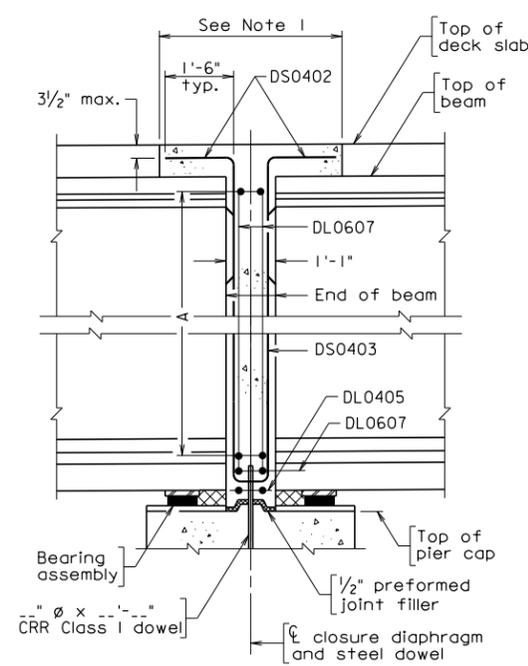


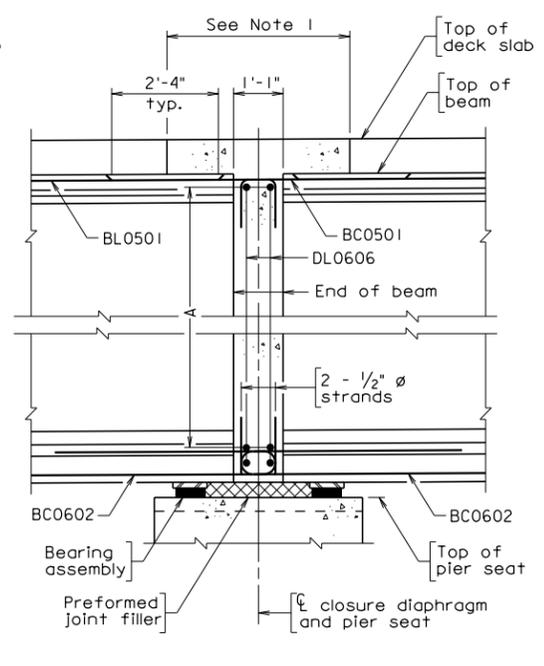
STATE	FEDERAL AID	STATE	SHEET
ROUTE	PROJECT	ROUTE	NO.
VA.			



**PART SECTION CLOSURE DIAPHRAGM AT FIXED SUPPORTS**  
Not to scale

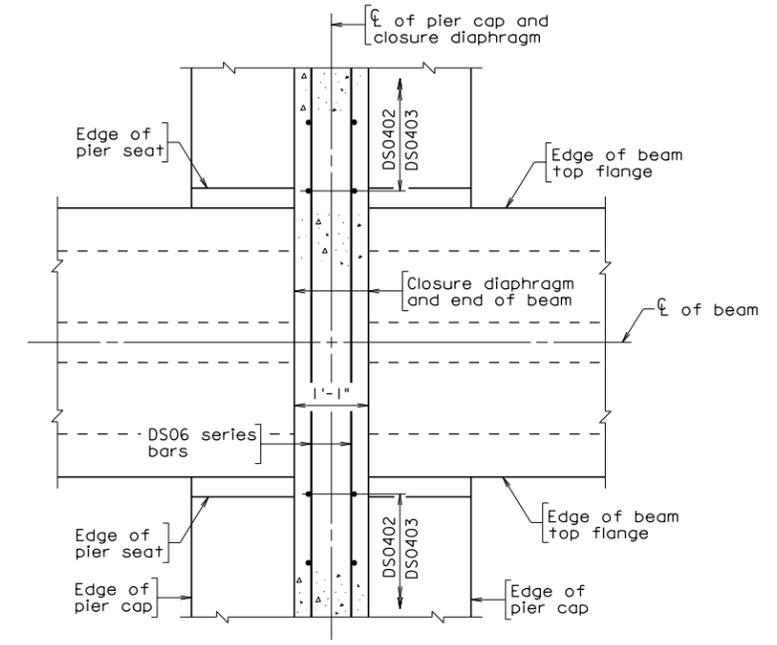


**SECTION A-A**

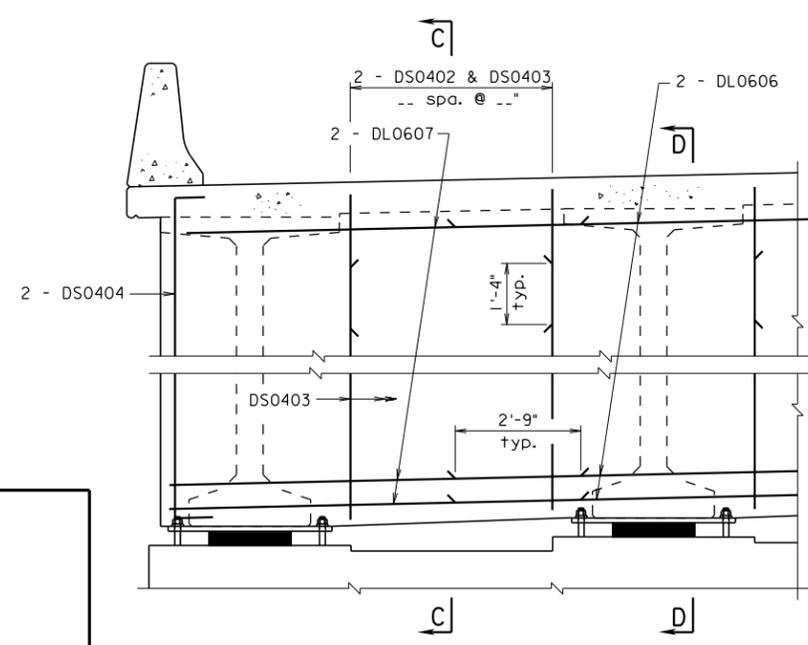


**SECTION B-B**

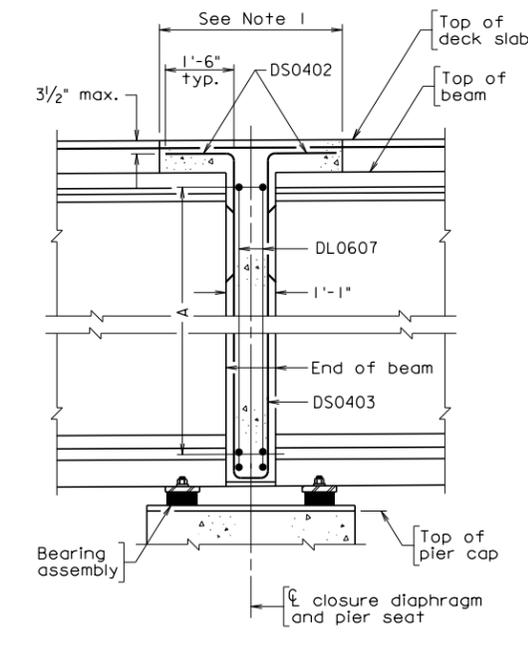
- Notes:
1. This portion of the slab shall be cast with the closure diaphragm. For dimension and placement schedule, see sheet ...
  2. For location and details of dowels and construction joints, see pier details.
  3. For details of bearing assemblies, see sheet ...
  4. For beam details, see sheets -- and --
  5. All preformed joint filler shall be included in the cost of superstructure concrete.



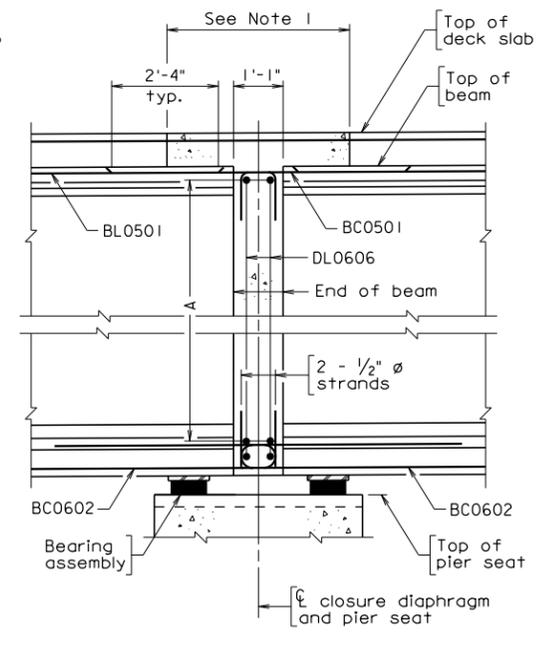
**PLAN VIEW OF CLOSURE DIAPHRAGM**  
Scale: 3/4" = 1'-0"



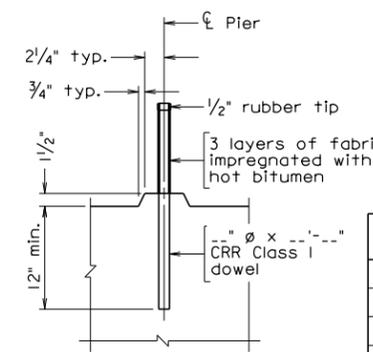
**PART SECTION CLOSURE DIAPHRAGM AT EXPANSION SUPPORTS**  
Not to scale



**SECTION C-C**



**SECTION D-D**



**DOWEL DETAIL**

REINFORCING STEEL SPACING	
Beam Type	A
PCBT-69	5 equal spaces
PCBT-77	6 equal spaces
PCBT-85	6 equal spaces
PCBT-93	7 equal spaces

PCBT-CLOS2 10-15-2015

Sealed and Signed by:  
Prasad L. Nallapameni  
Lic. No. 033003  
On the date of  
October 15, 2015

A copy of the original  
sealed and signed  
drawing is on file in the  
Central Office.

VDOT S&B DIVISION  
RICHMOND, VA  
STRUCTURAL ENGINEER

Scale: 1/2" = 1'-0" unless otherwise noted

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COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION STRUCTURE AND BRIDGE DIVISION	
<b>PRESTRESSED CONCRETE BULB-T (PCBT-69 THRU PCBT-93) CLOSURE DIAPHRAGM DETAILS</b>	
No.	Description
Date	Revisions
Designed: .....	Date
Drawn: .....	Plan No.
Checked: .....	Sheet No.
<b>PCBT-CLOS2</b>	

**PRESTRESSED CONCRETE BEAM  
PCBT-69 THRU PCBT-93  
CLOSURE DIAPHRAGM DETAILS**

**NOTES TO DESIGNER:**

Include this standard in plans when using standards PCBT-69C through PCBT-93C.

PLAN VIEW OF CLOSURE DIAPHRAGM shows details for a 0° skew.

Cells for modifying the standard are located in pcb.cel library.

**ADD THE FOLLOWING NOTES, DIMENSIONS, DETAILS, ETC. TO STANDARD:**

PART SECTION CLOSURE DIAPHRAGM AT FIXED SUPPORTS:

Complete detail by providing the reinforcing bar spacing for DS0402 and DS0403. Spacing shall not exceed 12" on centers.

PART SECTION CLOSURE DIAPHRAGM AT EXPANSION SUPPORTS:

Complete detail by providing the reinforcing bar spacing for DS0402 and DS0403.

Part Sections (Fixed / Expansion), SECTION A-A AND SECTION C-C:

Where lapping DL06 bars is not necessary, remove the horizontal laps shown in the part sections of closure diaphragms and change DL0607 callout to DL0606 in part sections of closure diaphragms, SECTION A-A and SECTION C-C.

SECTION A-A and DOWEL DETAIL:

Provide dowel diameter and length. Ensure that the DOWEL DETAIL also is provided on the appropriate substructure detail sheet.

PLAN VIEW OF CLOSURE DIAPHRAGM:

Replace detail shown when skew is not 0° with appropriate detail in cell library (CLOS series).

NOTES:

Add appropriate plan sheet number(s) to Notes 1, 3 and 4.