

SURVEYED BY \_\_\_\_\_  
SUPERVISED BY \_\_\_\_\_  
DESIGNED BY \_\_\_\_\_

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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

**PR-3**

NOTES:  
CONCRETE FOR LUG ANCHORS SHALL BE POURED AGAINST COMPACTED SUBGRADE. CONCRETE FOR LUGS AND ANCHOR SLAB MAY BE POURED MONOLITHICALLY OR POURED USING RAISED KEY CONSTRUCTION JOINT METHOD. ADEQUATE CONSOLIDATION OF CONCRETE IN LUGS WILL BE OBTAINED WITHOUT DISPLACING LONGITUDINAL CONTINUOUS STEEL, BY THE USE OF INTERNAL VIBRATION. WHEN LESS THAN FULL WIDTH LUG AND PAVEMENT SLAB IS PLACED, THE # 5 TRANSVERSE STEEL IN THE LUGS SHALL BE EXTENDED, LAPPED AND SPLICED AT LEAST 25 DIAMETERS.

**DETAIL-RAISED KEY CONSTRUCTION JOINT**

WF BEAM (WEIGHT AND DIMENSIONS)			
CRCP THICKNESS	EMBEDMENT IN "SUB SLAB"	FLANGE	WEB THICKNESS
WIDTH	SIZE	THICKNESS	THICKNESS
8"	6"	14 X 61	5/8"
		10"	3/8"

NOTES:  
CONCRETE SHOULD BE ADEQUATELY VIBRATED UNDER BEAM FLANGE TO ELIMINATE HONEYCOMB. 2" MIN. CONCRETE COVER FOR STEEL IN SUB-SLAB. WELDED 1/4" STEEL PLATE AT BOTH ENDS OF WF BEAM TO SEAL ENDS. DENOTES 1" EXPANSION JOINT MATERIAL POLYSTYRENE OR EQUIVALENT

**SECTION B-B ANCHOR SLAB TYPE I**  
(FOR USE ADJACENT TO PLAIN CONCRETE PAVEMENT)

**SECTION A-A ANCHOR SLAB TYPE II**  
(FOR USE ADJACENT TO PLAIN CONCRETE PAVEMENT)

**8" THICK CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (FOR USE WITH BAR OR WIRE MESH REINFORCEMENT)**  
VIRGINIA DEPARTMENT OF TRANSPORTATION

REV 8/07  
301.08

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**PR-4**

**DETAIL-RAISED KEY CONSTRUCTION JOINT**

WF BEAM (WEIGHT AND DIMENSIONS)			
CRCP THICKNESS	EMBEDMENT IN "SUB SLAB"	FLANGE	WEB THICKNESS
WIDTH	SIZE	THICKNESS	THICKNESS
9"	6"	14 X 61	5/8"
		10"	3/8"

NOTES:  
CONCRETE FOR LUG ANCHORS SHALL BE POURED AGAINST COMPACTED SUBGRADE. CONCRETE FOR LUGS AND ANCHOR SLAB MAY BE POURED MONOLITHICALLY OR POURED USING RAISED KEY CONSTRUCTION JOINT METHOD. ADEQUATE CONSOLIDATION OF CONCRETE IN LUGS WILL BE OBTAINED WITHOUT DISPLACING LONGITUDINAL CONTINUOUS STEEL, BY THE USE OF INTERNAL VIBRATION. WHEN LESS THAN FULL WIDTH LUG AND PAVEMENT SLAB IS PLACED, THE # 5 TRANSVERSE STEEL IN THE LUGS SHALL BE EXTENDED, LAPPED AND SPLICED AT LEAST 25 DIAMETERS.

**SECTION B-B ANCHOR SLAB TYPE I**  
(FOR USE ADJACENT TO PLAIN CONCRETE PAVEMENT)

**SECTION A-A ANCHOR SLAB TYPE II**  
(FOR USE ADJACENT TO PLAIN CONCRETE PAVEMENT)

**9" CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (FOR USE WITH BAR REINFORCEMENT ONLY)**  
VIRGINIA DEPARTMENT OF TRANSPORTATION

REV 8/07  
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