

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.P. 685	(39BR)I	FULTON	22	21
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract # 68497

**ANCHOR BOLTS FOR RETAINERS**

**GENERAL NOTES**

Holes in the masonry for anchor bolts shall be drilled according to the manufacturer's recommendation after beams or girders have been erected and adjusted.

Prior to setting the bolts, the holes shall be dry and all dust and loose particles shall be removed by the use of compressed air or vacuuming.

The anchor bolts, furnished and installed including the epoxy grout or capsules shall not be paid for separately but shall be included in the unit bid price for Precast Prestressed Concrete Deck Beams (21" Depth).

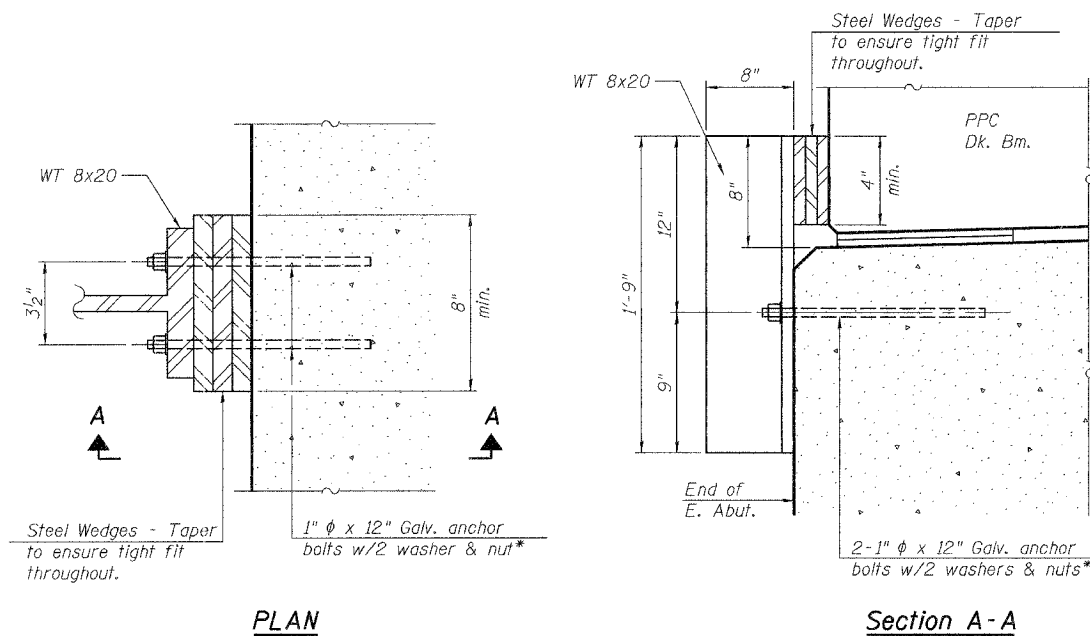
The Contractor may use, at his option, the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures.

The capsule or the adhesive cartridge type anchor rods shall be a two part system composed of:

1. A threaded rod stud with nut and washer of the type specified.
2. A sealed glass capsule or a sealed glass adhesive cartridge containing premeasured amounts of the adhesive chemical.

Location	Type
East Abut.	A325

ASTM F 1554 Grade 105, ASTM A 449 and AASHTO M 314 Grade 105 anchor bolts may be substituted for the anchor bolts shown above.



\* Epoxy grout anchor bolt in 9" (Min.) drilled holes according to Section 584 of the Standard Specification. Cost of retainer and accessories are included with Precast Prestressed Concrete Deck Beams (21" Depth).

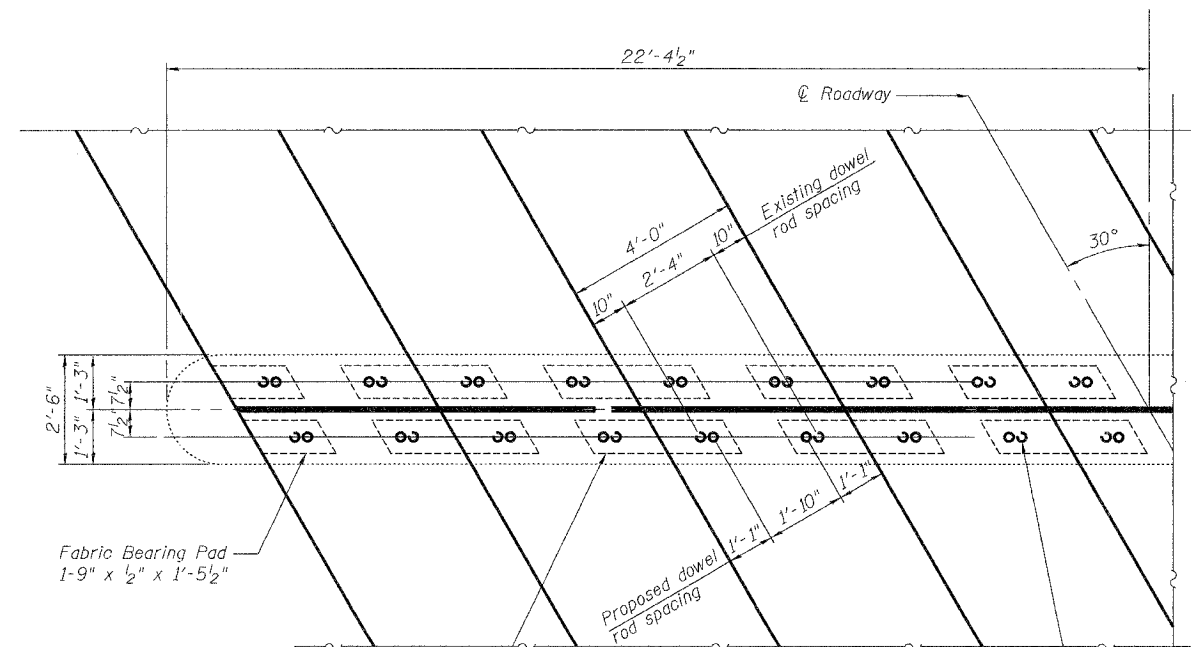
**PLAN**

**Section A-A**

**TEMPORARY RETAINER AT EXPANSION JOINT**

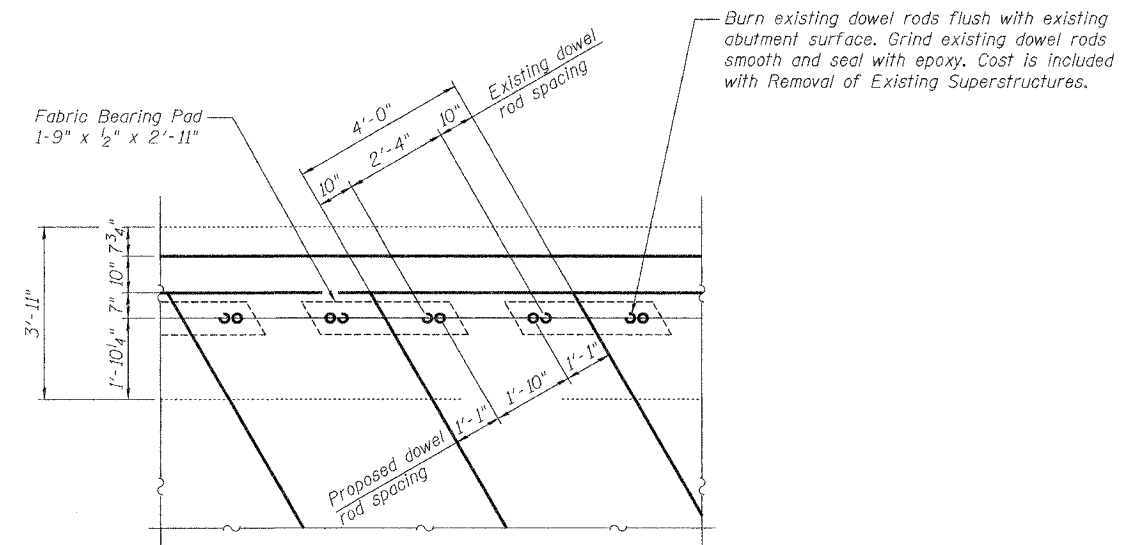
(East Abutment Only)

Note:  
After block-outs are poured and cured the retainer angles shall be removed. Anchor bolts may be left in place.



**PLAN**

(at piers)



**PLAN**

(at West Abutment)

**SUBSTRUCTURE DETAILS**  
**ILLINOIS ROUTE 9 OVER**  
**LOST GROVE CREEK**  
**F.A.P. ROUTE 685 SECTION (39BR)I**  
**FULTON COUNTY**  
**SN 029-0052**

DESIGNED	BWP
CHECKED	KPC
DRAWN	BWP
CHECKED	KPC