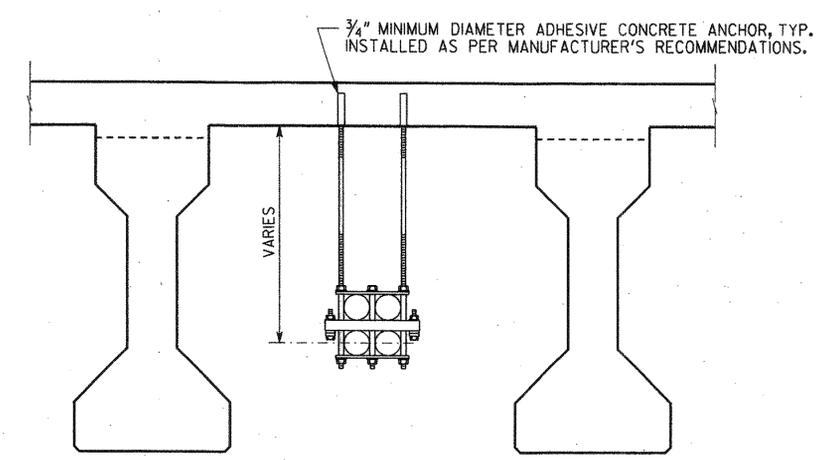


HANGER ASSEMBLY SHALL NOT EXTEND BELOW BOTTOM OF BEAMS.

**CONDUIT SUPPORT FOR STEEL BEAMS OR GIRDERS**

FIGURE 1  
I-285 OVER FAYETTEVILLE ROAD

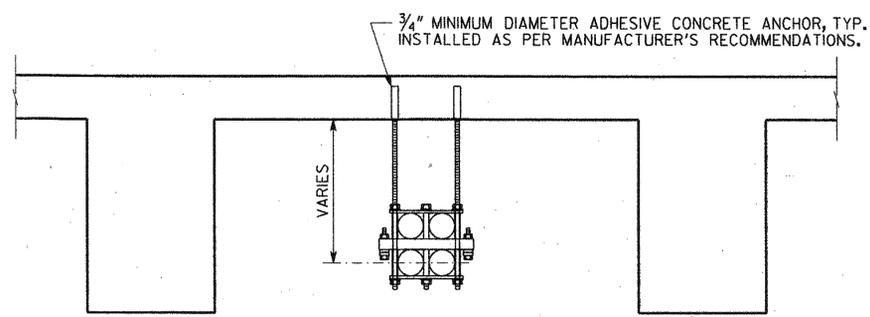


TYPE III PSC BEAMS SHOWN.

HANGER SHALL NOT EXTEND BELOW BOTTOM OF BEAMS.

**CONDUIT SUPPORT FOR PSC BEAMS**

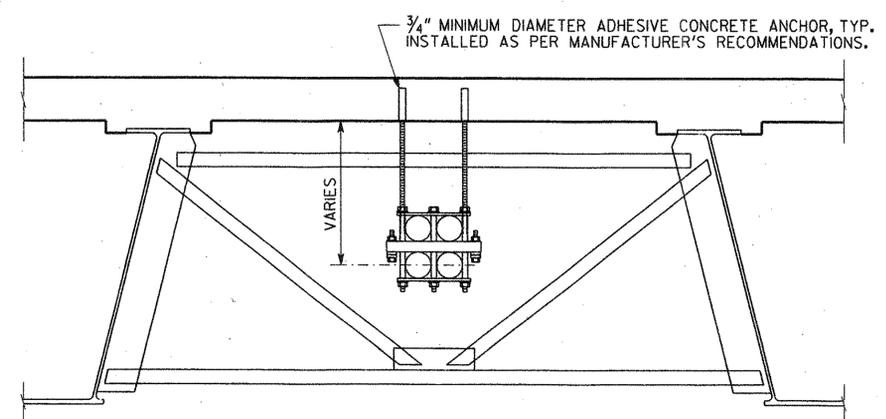
FIGURE 3  
I-285 OVER RAMP TO I-75 SOUTHBOUND  
I-285 OVER RAMP TO I-75 NORTHBOUND  
I-285 OVER I-75



HANGER ASSEMBLY SHALL NOT EXTEND BELOW BOTTOM OF BEAMS.

**CONDUIT SUPPORT FOR RCDG BEAMS**

FIGURE 2  
SOUTH LOOP OVER I-285; SPAN 1



HANGER ASSEMBLY SHALL NOT EXTEND BELOW BOTTOM OF BEAMS.

**CONDUIT SUPPORT FOR STEEL BOX GIRDERS**

FIGURE 4  
SOUTH LOOP OVER I-285; SPANS 2 AND 3

**NOTES**

COMMUNICATION CONDUIT SHALL BE INSTALLED BY THE CONTRACTOR ON THE FOLLOWING BRIDGES:

1. I-285 OVER FAYETTEVILLE ROAD----- ( BRIDGE NO. 7 )
2. SOUTH LOOP OVER I-285----- ( BRIDGE NO. 1 )
3. I-285 OVER RAMP TO I-75 NORTHBOUND----- ( BRIDGE NO. 7C )
4. I-285 OVER RAMP TO I-75 SOUTHBOUND----- ( BRIDGE NO. 7A )
5. I-285 OVER I-75----- ( BRIDGE NO. 7B )

ORIGINAL STRUCTURAL PLANS FOR THIS BRIDGE ARE INCLUDED IN THE COMMUNICATION CONDUIT PLANS. THE PROPOSED CONDUIT LOCATIONS ARE INDICATED ON THE BRIDGE PLAN AND ELEVATION AND DECK PLAN SHEETS. BRIDGE DECK CROSS SECTION, BACKWALL, EDGE BEAM, AND DIAPHRAGM DETAILS ARE INCLUDED FOR INFORMATION ONLY. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE DEPARTMENT DETAILING HIS METHODS OF ATTACHING THE CONDUIT TO EACH BRIDGE. AS A MINIMUM, THE DETAILS SHALL INCLUDE THE FOLLOWING:

1. HANGER DETAILS FOR ATTACHMENT TO THE BRIDGE INCLUDING MATERIALS, HANGER SPACING, AND METHODS OF ATTACHMENT TO THE BRIDGE.
2. LOCATION AND SIZE OF OPENINGS FOR GOING THROUGH THE BRIDGE BACKWALLS, ENDWALLS OR CONCRETE DIAPHRAGMS.
3. PROVISION FOR HANDLING CONFLICTS WITH EXISTING UTILITIES, BRIDGE DRAINAGE STRUCTURES, ETC. WHERE APPLICABLE.

THE ABOVE DETAILS SHALL BE IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

1. ALL STEEL COMPONENTS UNLESS OTHERWISE NOTED, SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM-A123 OR ASTM-A153. REPAIRS TO GALVANIZING SHALL BE IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS.
2. THE CONDUIT SHALL BE SUSPENDED FROM THE SLAB AND BELOW ALL EDGE BEAMS AND STEEL DIAPHRAGMS. THE SIZE OF OPENINGS THROUGH FULL DEPTH CONCRETE DIAPHRAGMS SHALL BE KEPT TO A MINIMUM. THE CONDUIT SHALL NOT EXTEND BELOW THE BOTTOM OF THE BRIDGE BEAMS.
3. BOTTOM TRANSVERSE BARS IN FULL DEPTH DIAPHRAGMS SHALL NOT BE CUT. OPENINGS FOR CONDUIT SHALL PROVIDE A MINIMUM OF 2" CLEARANCE TO THESE BARS.
4. SIZE OF OPENINGS THROUGH CONCRETE ENDWALLS AND BACKWALLS SHALL BE KEPT TO A MINIMUM.
5. ATTACHMENTS SHALL BE IN ACCORDANCE WITH FIGURES 1, 2, 3 AND 4.

GEORGIA <b>DEPARTMENT OF TRANSPORTATION</b> PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN		BRIDGE ATTACHMENTS FOR CONDUITS I-285 FROM FAYETTEVILLE RD TO I-75 CLAYTON COUNTY CM-285-1(378)	
		NO SCALE	JANUARY 2006
DESIGNED	VMW	CHECKED	WEI
DRAWN	KWK	DESIGN GROUP	WEI
REVIEWED	HST	APPROVED	PVL

BRIDGE SHEET  
1 OF 1