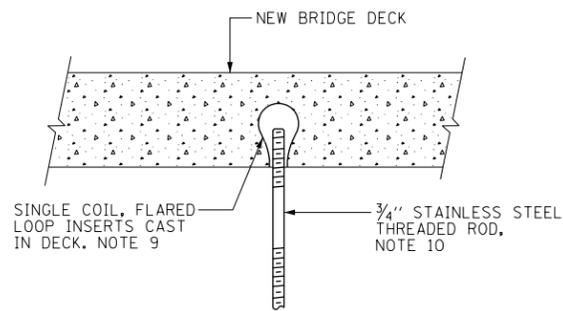
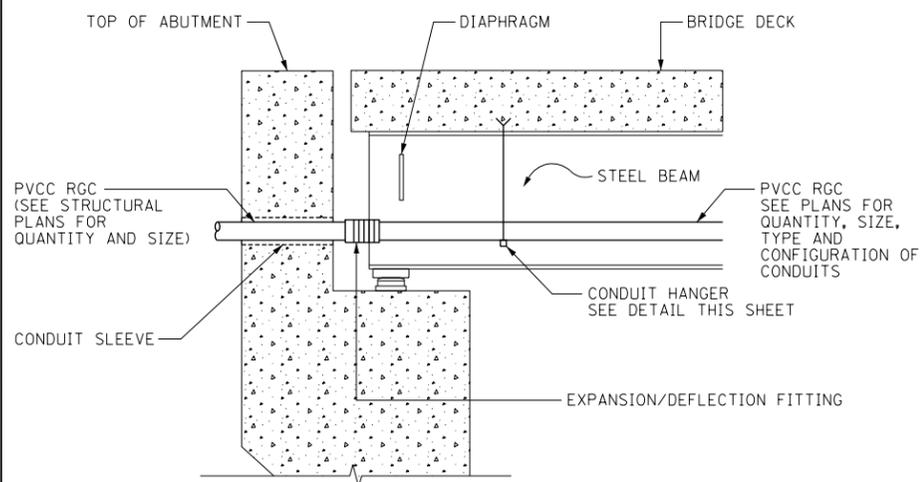


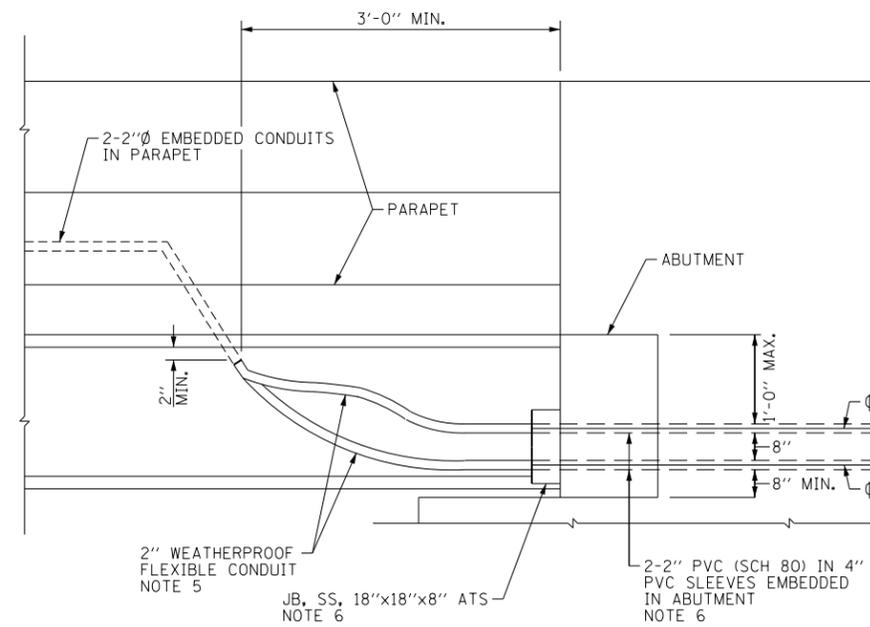
**TYPICAL CONDUIT SUPPORT ATTACHED TO BRIDGE DECK DETAIL**  
SCALE: NOT TO SCALE  
NOTE 11



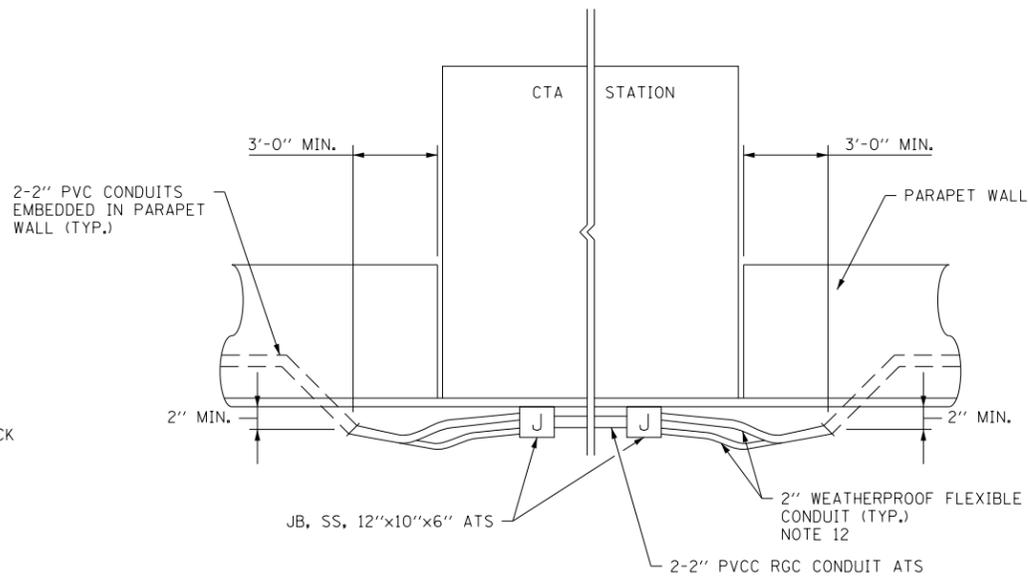
**BRIDGE DECK THREADED ROD INSTALLATION ANCHOR DETAILS**  
SCALE: NOT TO SCALE



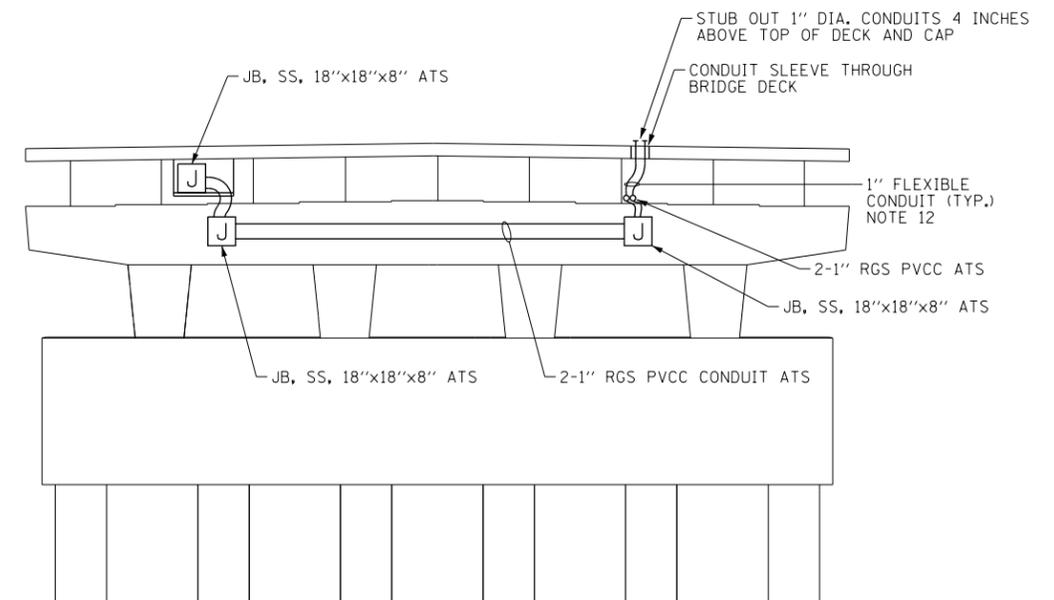
**TYPICAL CONDUIT INSTALLATION THROUGH ABUTMENT WALL**  
SCALE: NOT TO SCALE



**EMBEDDED BRIDGE CONDUIT DETAIL-A**  
SCALE: NOT TO SCALE



**EMBEDDED BRIDGE CONDUIT DETAIL-B**  
SCALE: NOT TO SCALE



**CONDUIT INSTALLATION PLAN - PIER 2 (LOOKING NORTH)**  
SCALE: NOT TO SCALE

**NOTES:**

- SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS.
- 2" PVCC CONDUITS SHALL HAVE A MINIMUM BENDING RADIUS OF 10".
- SEE STRUCTURAL PLANS FOR LOCATION OF EMBEDDED CONDUITS.
- JUNCTION BOXES SHALL HAVE A 1 1/2" WIRE MESH DRAIN IN THE BOTTOM.
- WEATHERPROOF FLEXIBLE CONDUIT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE PRICE FOR "CONDUIT EMBEDDED IN STRUCTURE" PAY ITEM. COST OF 4" SLEEVES IS INCLUDED WITH CONCRETE STRUCTURES.
- COORDINATE THE LOCATION OF THE JUNCTION BOX AND CONDUITS ROUTED THROUGH THE ABUTMENT WITH THE LOCATION OF THE CONDUIT SLEEVE OPENINGS SHOWN ON THE STRUCTURAL PLANS.
- SEE PLAN DRAWINGS FOR THE PROPOSED CONDUIT ROUTING.
- ALL MOUNTING HARDWARE FOR CONDUIT SUPPORTS AND PVCC RGC MUST BE PVC COATED.
- THE CONTRACTOR MUST USE APPROVED SINGLE COIL FLARED LOOP INSERTS WHEN PENDANT MOUNTING THREADED RODS TO A NEW BRIDGE DECK. THE FLARED LOOP INSERTS MUST BE CAST INTO THE CONCRETE DECK. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND COORDINATING THE INSERT LOCATIONS WITH THE BRIDGE DECK CONTRACTOR.
- THE CONTRACTOR MUST COORDINATE THREADED ROD END SIZES WITH THE C-CHANNEL AND FLARED LOOP INSERT MANUFACTURERS.
- THE CONDUIT SUPPORT SYSTEM ATTACHED TO THE BRIDGE DECK, INCLUDING THE INSERTS, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE PRICE FOR THE "CONDUIT ATTACHED TO STRUCTURE" PAY ITEM.
- WEATHERPROOF FLEXIBLE CONDUIT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE PRICE FOR "CONDUIT ATTACHED TO STRUCTURE" PAY ITEM.

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PLOT SCALE = 2.0000 ' / in.  
PLOT DATE = 10/28/2013

DESIGNED - WDS  
DRAWN - CAM  
CHECKED - WDS  
DATE - 10/30/2013

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MISCELLANEOUS ELECTRICAL DETAILS**

SCALE: N.T.S. SHEET 12 OF 19 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-011R	COOK	356	122
CONTRACT NO. 60W29			ILLINOIS FED. AID PROJECT	