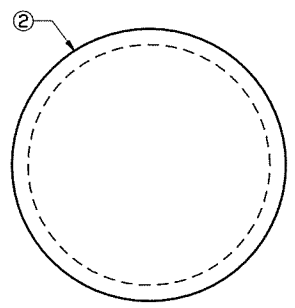


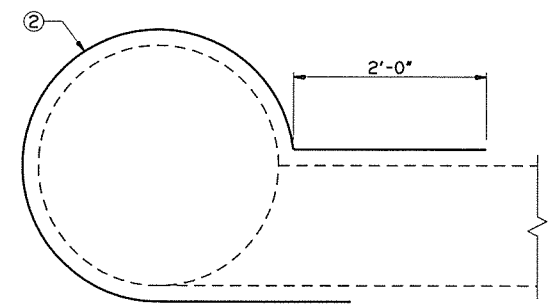
ELEVATION
(Looking Forward Station)

DETAILS OF PIER NO. 3 REPAIR
(Carbon Fiber-reinforced Polymer Wrap & Corrosion Inhibitor Surface Treatment)

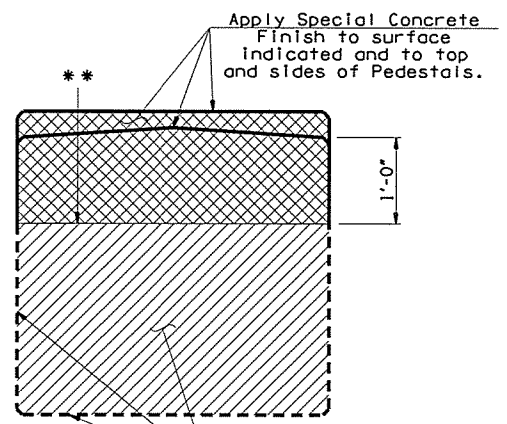
SECTION A-A



SECTION B-B



SECTION C-C



CONCRETE TREATMENT DETAILS

SUMMARY OF QUANTITIES - PIER REPAIR					
ITEM	UNIT	PIER NO. 1	PIER NO. 2	PIER NO. 3	TOTAL
SPECIAL CONCRETE FINISH	S.Y.	56.00	54.00	52.00	162.00
WATER REPELLENT (VISUALLY INSPECTED)	S.Y.	79.00	75.00	72.00	226.00
PREPARATION OF CRACKS, ABOVE WATER	L.F.	180.00	180.00	96.00	456.00
EPOXY RESIN, ABOVE WATER	GAL.	6.00	6.00	3.20	15.20
PNEUMATICALLY PLACED MORTAR	S.Y.	37.40	36.00	13.40	86.80
(SP) CARBON FIBER-REINFORCED POLYMER	S.F.			150.80	150.80
(SP) CORROSION INHIBITOR (SURFACE APPLIED)	S.Y.			16.80	16.80

NOTES:
Installation of the Carbon Fiber-Reinforced Polymer shall be applied per the Manufacturer's Specifications and shall be approved by the Engineer.

All costs of Carbon Fiber-Reinforced Polymer including all three (3) layers of material, epoxy, labor, equipment and any other incidentals necessary to complete the work shown in the plans shall be included in the price bid per Square Foot of "(SP) CARBON FIBER-REINFORCED POLYMER".

Before applying the Carbon Fiber-Reinforced Polymer and Corrosion Inhibitor, the Contractor shall remove all unsound concrete from areas to be repaired. After removal of unsound concrete, exposed reinforcing steel shall be cleaned, corrosion shall be removed.

** Mask sides and ends of Pier Cap along this line to provide a clean straight finish at top and bottom of Special Concrete Finish application. See "GENERAL NOTE" on Sheet No. 3 for Special Concrete Finish Specifications.

① Carbon Fiber-Reinforced Polymer shall be applied to the Column and Strut in three (3) layers. The first and third layers shall be applied in a horizontal pattern. The second layer shall be applied in a vertical pattern.

② Corrosion Inhibitor and Carbon Fiber-Reinforced Polymer Surface Treatment (indicated by heavy line).

I-44 WB OVER S 38TH W AVE & TSU RR BRIDGE "A"	TULSA COUNTY	DESIGN JMO 11/15
		DETAIL S.J.L. 11/15
		CHECK BRT 11/15
GARVER		