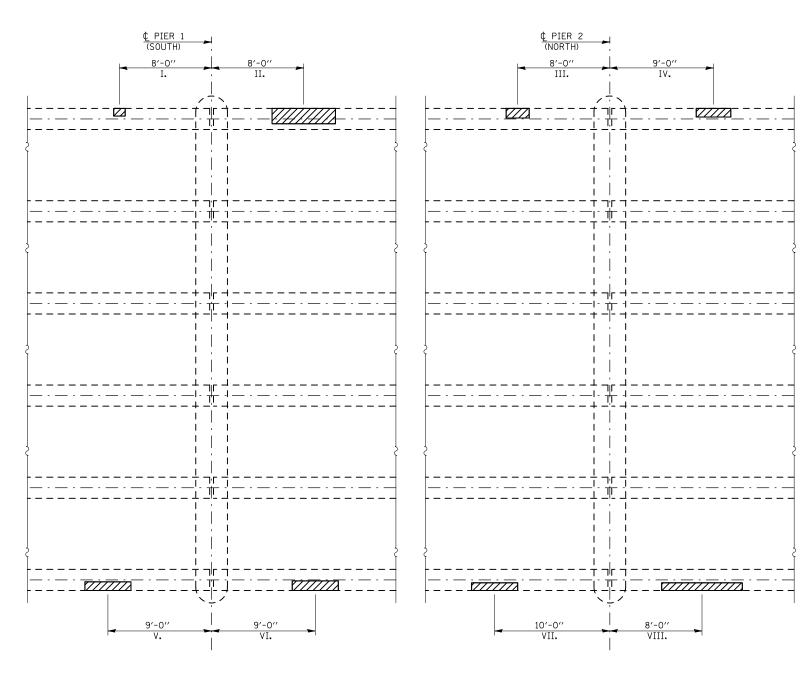
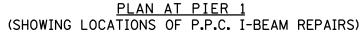
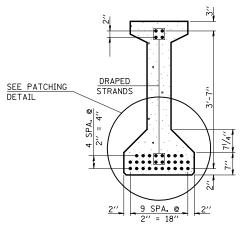
## P.P.C. I–BEAM REPAIRS S.N. 020–0045



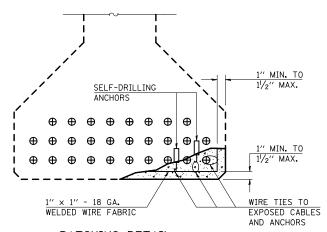




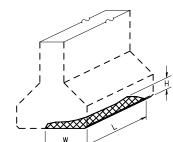
PLAN AT PIER 2
(SHOWING LOCATIONS OF P.P.C. I-BEAM REPAIRS)



<u>SECTION OF P.P.C. I-BEAM</u> (SHOWING LOCATION OF STRANDS)



PATCHING DETAIL



## TABLE FOR P.P.C. I-BEAM REPAIRS

REPAIR	REPAIR AREA DIMENSIONS			ESTIMATED REPAIR	
LOCATION	L	W	Н	VOLUME (CU FT)	
Ι.	1'-0''	8′′	2"	0.07	
II.	5′-6′′	1'-4''	5"	2.04	
III.	2′-0′′	10"	2"	0.19	
IV.	3′-0′′	9′′	3"	0.38	
٧.	4'-0''	9"	3"	0.50	
VI.	4'-0''	10"	4''	0.74	
VII.	4′-0′′	8′′	3"	0.44	
VIII.	7′-0′′	8′′	2"	0.52	

## **NOTES**

THE REPAIR DIMENSIONS AND ESTIMATED QUANTITIES IN THE ABOVE TABLE ARE FOR ESTIMATING PURPOSES ONLY. THIS INFORMATION IS BASED ON AN INSPECTION FROM APRIL OF 2009. ACTUAL QUANTITIES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR P.P.C. I-BEAM REPAIRS ON A LUMP SUM BASIS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE REMOVAL OF THE EXISTING CONCRETE AT THE P.P.C. I-BEAM REPAIR LOCATIONS SHALL BE LIMITED TO ALL LOOSE OR DELAMINATED CONCRETE ONLY. THE CONTRACTOR SHALL USE EXTREME CARE DURING THIS REMOVAL PROCESS TO PREVENT ANY DAMAGE TO THE EXISTING PRE-STRESSING STRANDS. SPECIAL ATTENTION SHALL ALSO BE GIVEN WHEN USING SELF-DRILLING ANCHORS IN THE PATCH AREAS. THE ANCHORS SHOULD NOT MAKE CONTACT WITH ANY OF THE PRE-STRESSING STRANDS.

THE CONTRACTOR SHALL USE CLASS PS CONCRETE FOR THE PATCHING OF THE P.P.C. I-BEAMS.

## **BILL OF MATERIALS**

ITEM	UNIT	TOTAL	
P.P.C. I-BEAM REPAIRS	L SUM	1.0	

FILE NAME =	USER NAME = simsgm	DESIGNED - GMS	REVISED		P.P.C. I—BEAM REPAIRS	F.A.P. SECTION	COUNTY TOTAL SHEET	
c:\pw_work\PWIDOT\SIMSGM\dØ179794\D57Ø9	31-sht-Bridge Repair Plans.dgn	DRAWN - GMS	REVISED	STATE OF ILLINOIS	S.N. 020–0045	760 124 BR-1	DEWITT 23 10	
	PLOT SCALE = 41.6516 '/ IN.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION	5.N. UZU—UU3		CONTRACT NO. 70531	
	PLOT DATE = 2/19/2010	DATE	REVISED		SCALE: SHEET NO. 7 OF 16 SHEETS STA TO STA	FED. ROAD DIST. NO ILLINOIS FED. A	ID PROJECT	