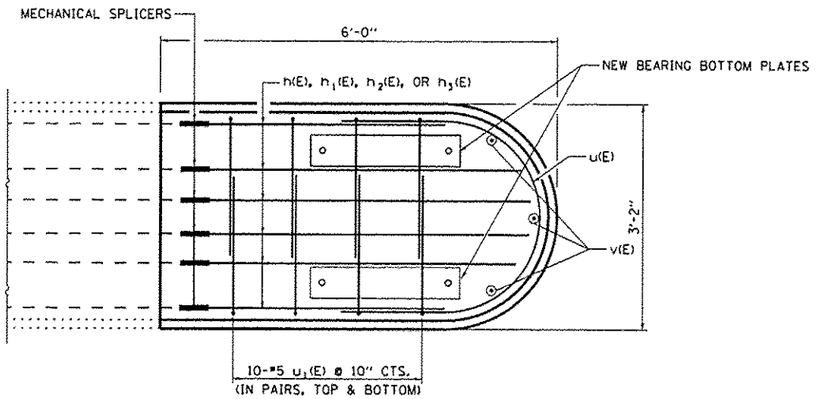
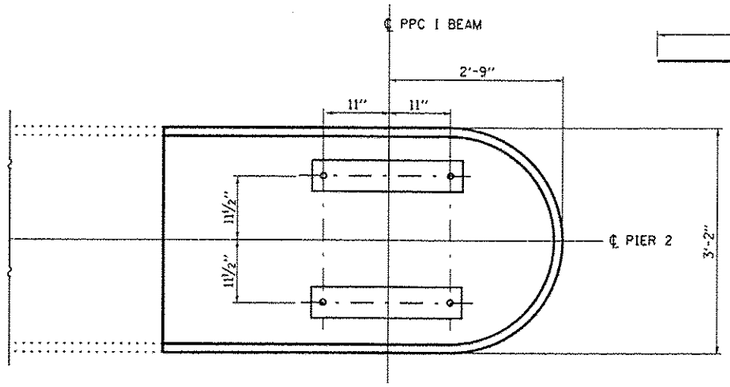


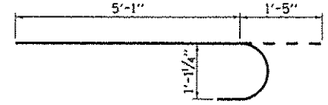
TOP PLAN

SUGGESTED SEQUENCE FOR NEW BEARING INSTALLATION

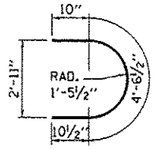
1. ALLOW CONCRETE PIER REPAIRS TO CURE.
2. INSTALL PL A WITH PINTLE UNDER PPC I-BEAM.
3. SLIDE PL B BETWEEN PL A AND BEARING SEAT.
4. INSTALL ANCHOR BOLTS.



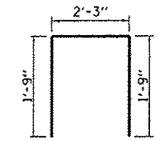
ANCHOR BOLTS LAYOUT



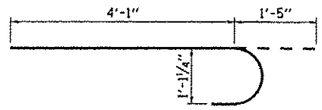
#9 BAR h(E)



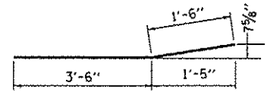
#6 BAR u(E)



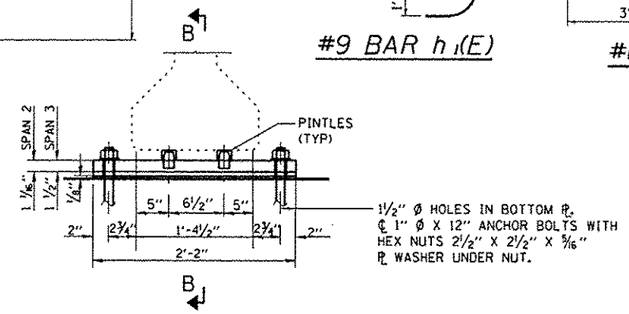
#5 BAR u1(E)



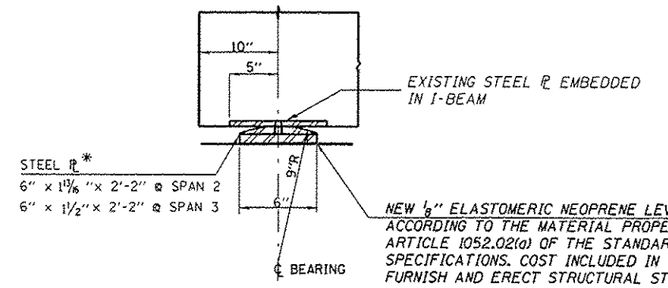
#9 BAR h1(E)



#6 BAR h2(E)

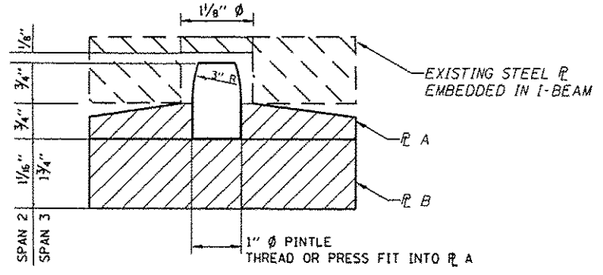


EXISTING FIXED BEARING TO BE REMOVED AND REPLACED



SECTION B–B

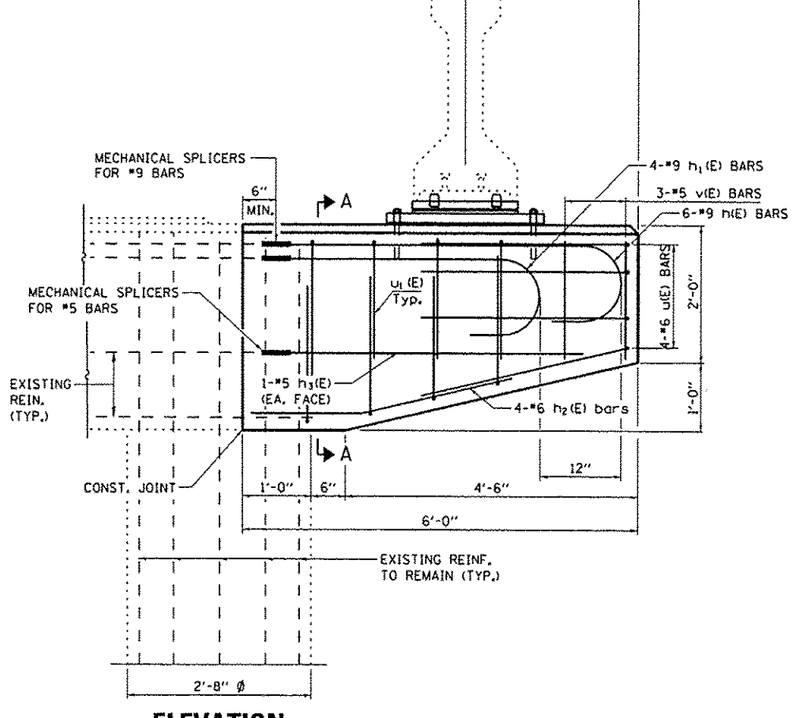
* PLATES INSTALLED IN TWO PIECES (SEE DETAIL BELOW)



PROPOSED BEARING DETAIL

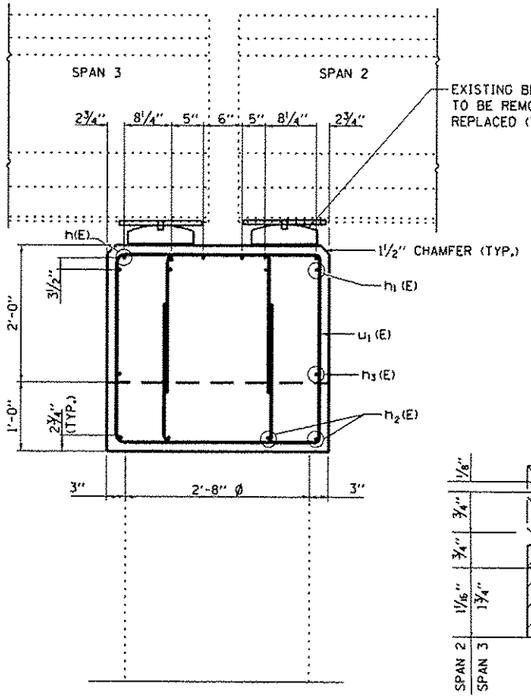
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	6	#9	6'-6"	
h_1(E)	4	#9	5'-6"	
h_2(E)	4	#6	5'-0"	
h_3(E)	2	#5	4'-5"	
u(E)	4	#6	6'-3"	
u_1(E)	20	#5	5'-9"	
v(E)	3	#5	1'-9"	
CONCRETE REMOVAL			CU. YD.	1.9
CONCRETE STRUCTURES			CU. YD.	1.9
REINFORCEMENT BARS EPOXY COATED			POUND	410
MECHANICAL SPLICER			EACH	12
FURNISH AND ERECT STRUTURIAL STEEL			POUND	133
TEMPORARY SHORING AND CRIBBING			EACH	2



ELEVATION

PIER 2 EAST END – LOOKING NORTH



SECTION A–A

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
c:\pw_work\pwidot\patelyj\d0320332\D366671-sht-details.dgn	patelyj	DRAWN - YOGESH PATEL	REVISED -
	PLOT SCALE = 99.7550 '/ in.	CHECKED - RON WOODSHANK	REVISED -
	PLOT DATE = 4/3/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 2 REPAIR DETAILS
SN: 050–0134

SCALE: | SHEET NO. 5 OF 5 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	03 PIER CAP REPAIR 2014-1	LASALLE	25	24
		CONTRACT NO. 66C71		
	ILLINOIS			