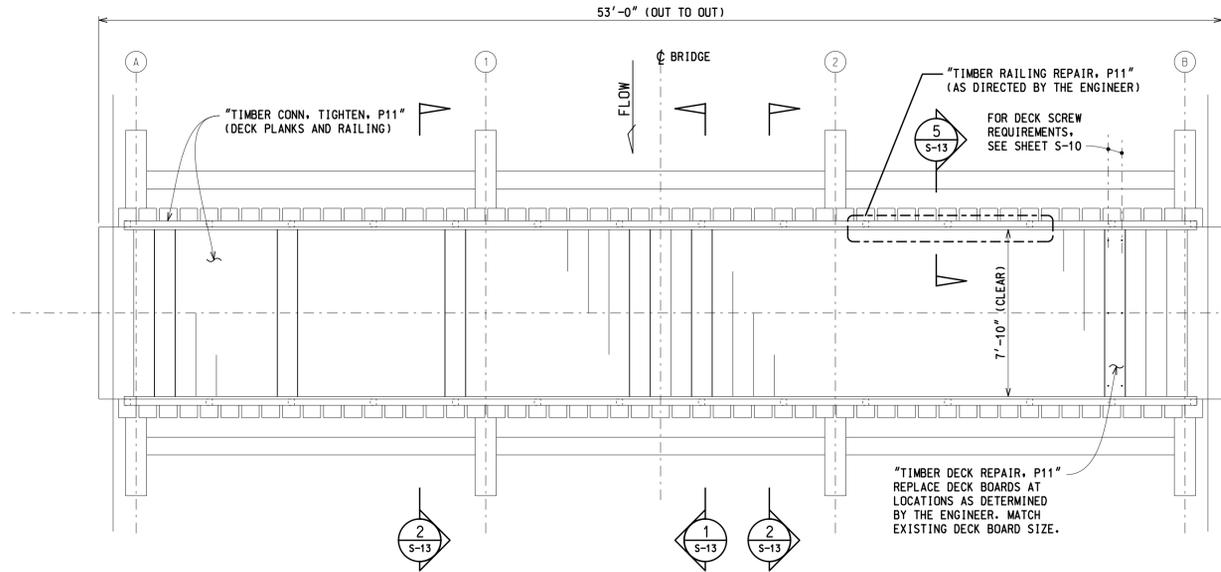
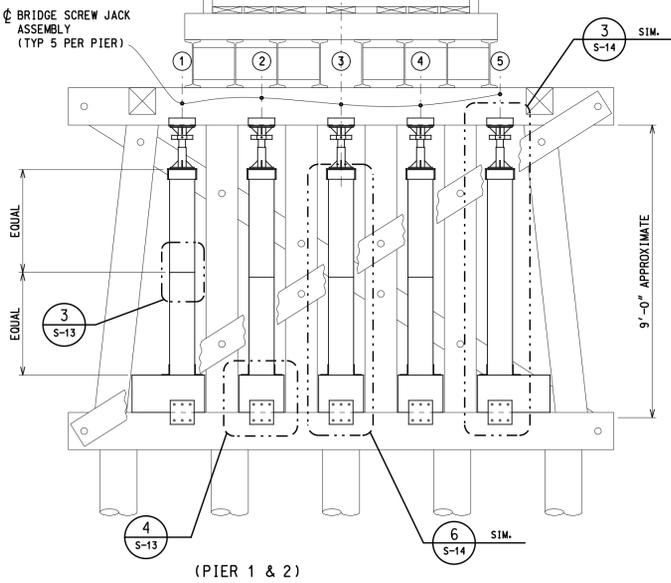


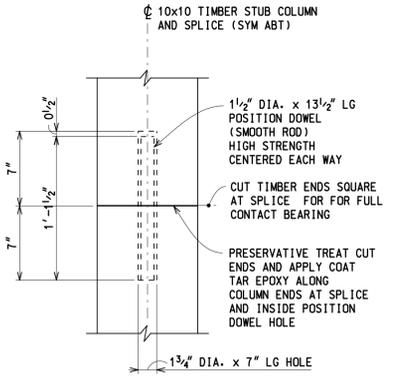
USER NAME: K4170001
 DESIGN FILE: I:\2011\02\20110220\S13\Drawings
 QUEUE: V:\proj\BIB\Draw
 C:\B_TEL-F:\MSV\BIB\Draw\Accessories
 PEN_TEL-F:\MSV\BIB\Draw\Accessories



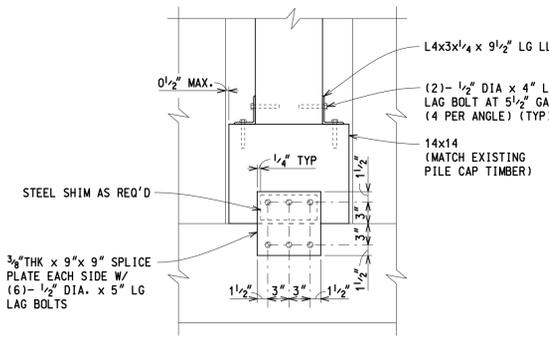
BRIDGE PLAN
SCALE: 1/4" = 1'-0"



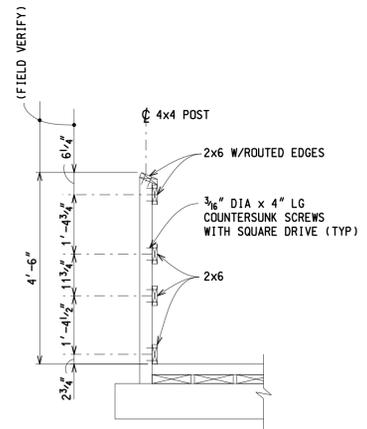
SECTION 2
SCALE: 3/8" = 1'-0"



DETAIL 3
SCALE: 1" = 1'-0"



DETAIL 4
SCALE: 1" = 1'-0"



SECTION 5
SCALE: 1/2" = 1'-0"

P11: MISCELLANEOUS QUANTITIES

BRIDGE PRIORITY	PROJECT PRIORITY	PAY ITEM	UNIT	AMOUNT
1	1	TIMBER PILE REPAIR, P11	EA	10
2	15	TIMBER DECK REPAIR, P11	SFT	50
3	16	TIMBER RAILING REPAIR, P11	FT	20
4	17	TIMBER CONN. TIGHTEN, P11	LS	1
5	39	TIMBER SEALER, P11	SFT	450
6	46	FOLIAGE AND DEBRIS REMOVAL, P11	LS	1
		TRAFFIC CONTROL, PEDESTRIAN, P11	LS	1
		MOBILIZATION, P11	LS	1

- NOTES:**
- NOTES 1 THRU 3 ON SHEET S-10 APPLY.
 - "TIMBER PILE REPAIR, P11" - FURNISHING OF ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK ITEMS SHOWN IN SECTION 2 ON THIS SHEET AND AS SIMILARLY SHOWN IN SECTION 2, DETAIL 3 AND 6 AND BRIDGE SCREW JACK ASSEMBLY NOTES ON SHEET S-14.
 - "TIMBER CONN. TIGHTEN, P11" - TIGHTEN ALL EXISTING RAILING POST TO TOP TIMBER TIE CONNECTIONS ALONG BOTH FASCIAS AND INSTALL COUNTERSUNK DECKING SCREWS WITH A SQUARE DRIVE INTO THE DECK BOARDS AND AND SLEEPER PANELS TIMBER RAILS AND HORIZONTAL RAILS TO THE LIMITS AS DETERMINED BY THE ENGINEER.
 - "TIMBER SEALER, P11" - POWER WASH WITH A CLEANER AND THOROUGHLY CLEAN THE ENTIRE TOP OF TIMBER DECK SURFACE AND THE ENTIRE TIMBER RUBRAIL/RAILING SYSTEM ALONG EACH FASCIA TO THE SATISFACTION OF THE ENGINEER. APPLY TWO COATS OF TIMBER SEALER. FURNISHING, APPLICATION AND CURING OF THE TIMBER SEALER SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ACCEPTABLE TIMBER CLEANER AND SEALER ARE "PENETRATING OIL FINISH FOR PRESSURE-TREATED WOOD" BY PENOFIN OR APPROVED EQUAL. FINAL COLOR TO MATCH EXISTING. PRIOR TO POWER WASHING OPERATIONS, THE CONTRACTOR SHALL INSTALL A WATER CONTAINMENT SYSTEM ALONG THE UNDERSIDE OF THE TIMBER DECK. THIS CONTAINMENT SYSTEM SHALL COLLECT AND DISPOSE OF OFF SITE ALL WATER, DEBRIS AND CHEMICALS FROM POWER WASHING AND SEALING THE DECK, RUBRAILS AND RAILINGS. CONTAMINATION INTO THE STREAM BELOW DECK SHALL NOT BE PERMITTED. CONTAINMENT SYSTEM SHALL BE SIMILAR TO "LEAK DIVERTER MODELS S553 OR TLS560" BY LEAK & SPILL PIGALOG OR APPROVED EQUAL.
 - "FOLIAGE AND DEBRIS REMOVAL, P11" - DECK OVERHANGING FOLIAGE SHALL BE TRIMMED BACK TO THE DECK FASCIAS AND THE TRIMMINGS SHALL BE DISPOSED OFF SITE. DEBRIS ALONG THE DECK AND APPROACHES SHALL ALSO BE REMOVED AND DISPOSED OFF SITE.
 - WORK THIS SHEET WITH SHEETS S-16.

- RAILING NOTES:**
- INDIVIDUAL PANELS OF TIMBER RAILING SHALL BE REPLACED AS DETERMINED BY THE ENGINEER.
 - PROPOSED POSTS AND RAILINGS SHALL MATCH THE EXISTING INCLUDING COLOR, STRENGTH AND DIMENSIONS.
 - PANELS SHALL START AND END AT POST CENTERLINES. MID PANEL SPLICING SHALL NOT BE PERMITTED.



HRC
HUBBELL, ROTH & CLARK, INC.
Consulting Engineers

555 HULET DRIVE
BLOOMFIELD HILLS, MICH. P.O. BOX 824
48303-0824
PHONE: (248) 454-6300
FAX (1st Floor): (248) 454-6312
FAX (2nd Floor): (248) 338-2592
WEB SITE: http://www.hrc-engr.com

09-2-11	ISSUED FOR BIDS
08-25-11	75% FOR OWNER'S REVIEW
08-17-11	50% FOR OWNER'S REVIEW
DATE	ADDITIONS AND/OR REVISIONS
DESIGNED	R.B.N.
DRAWN	K.R.K.
CHECKED	F.E.S.
APPROVED	W.H.A.

CITY OF ROCHESTER HILLS
2011 BRIDGE REHABILITATION PROJECT

OAKLAND COUNTY MICHIGAN

P11: PAINT CREEK TRAIL BRIDGE OVER PAINT CREEK

HRC JOB NO. 20110226	SCALE AS NOTED
DATE AUGUST 2011	SHEET NO. S-13 OF