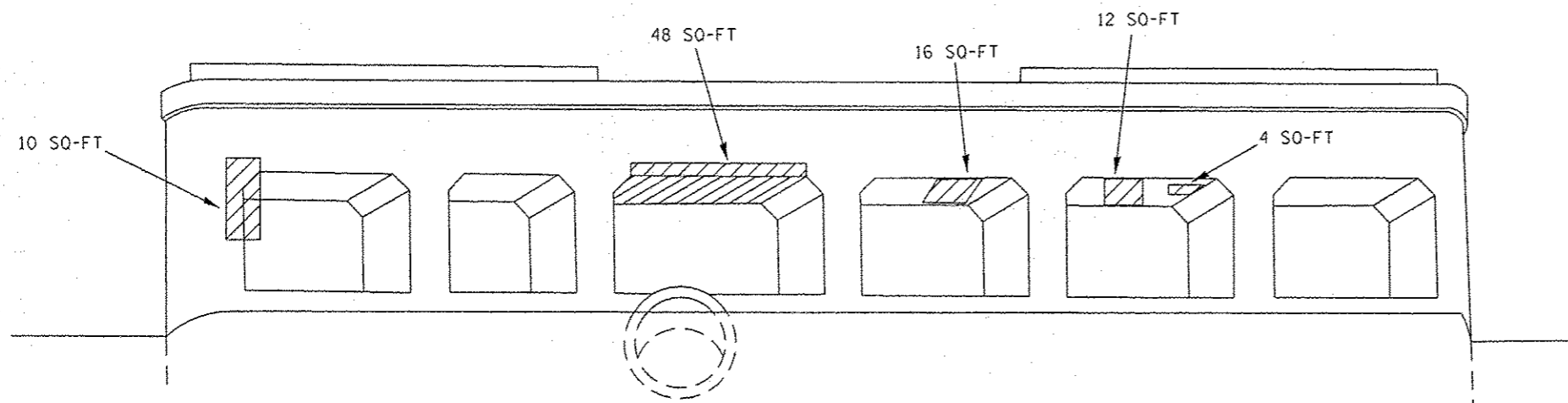


Pier No.1  
EAST ELEVATION  
(Looking West)



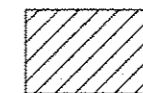
Pier No.1  
WEST ELEVATION  
(Looking East)

### REACTIONS

SPAN 1 & 3 ABUT. OR PIER	SPAN 2 PIER 1 OR 2
$D = 13.2k$	$D = 25.9k$
$L = 23.0k$	$L = 26.4k$
Imp. = 6.9k	Imp. = 7.2k
Total = 43.1k	Total = 59.5k

### Pier No.1 BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE $\leq 5''$	SO. FT	262



STRUCTURAL REPAIR OF CONCRETE  $\leq 5''$

THE TEMPORARY SHORING AND CRIBBING(1-EACH) SHALL BE INCLUDED IN THE COST OF JACK AND REMOVE EXISTING BEARING. THE SUBSTRUCTURE REPAIRS SHALL BE COMPLETE PRIOR TO REMOVING THE BEARING.

FILE NAME *	USER NAME * Perkinsju	DESIGNED - JP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	US 14 (PETERSON AVE) OVER NORTH SHORE CHANNEL SUBSTRUCTURE REPAIR PIER 1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\pwork\pwork\perkinsju\0313377\014	612-Design.dgn	DRAWN -	REVISED -			341	60B-1-BR(12)	COOK	11	6	
MODELNAME*	PLOT SCALE * 100.0000 1/16 in.	CHECKED -	REVISED -			SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.		CONTRACT NO. 60T67			
	PLOT DATE * 11/9/2012	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					