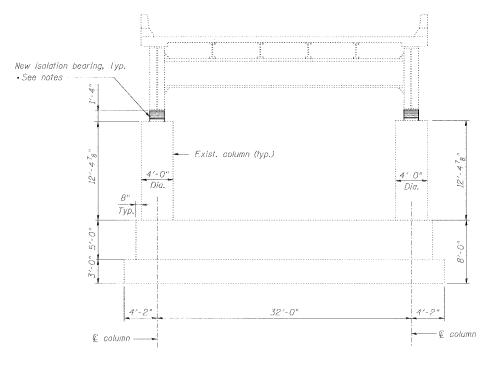
CONTRACT NO. 76985

\* 82-3HVB-3R-5 SHEET S-55 OF S-56



## WEST ELEVATION PIER A42

## BEARING REACTION TABLE - PIER A42

Load*	Girder A1	Girder A2
R Q (k)	431	431
R 4 (k)	104	104
Impact (k)	16	16
Total (k)	<i>551</i>	55 <i>1</i>

\*Service loads Minimum Jack Size: 500 Tons

BILL OF MATERIAL- PI	ER A	42		
SURSTRUCTURE				
ITEM ·		QUANTITY		
Seismic isolation bearing assembly, Type A		2		
Jack and remove existing bearings	E.a.	2		

## ISOLATION BEARING NOTES - PIER A42

- Each bearing shall be capable of sustaining service gravity load of 550 kips min.
- Each bearing shall have elastic lateral load capacity of at least 40 kips, but not greater than 45 kips.
- · Each bearing shall have post yield sliffness between 5 kips/in. and 10 kips/in.
- Each bearing shall be centered on existing bearing stiffener.
- Fach bearing shall be capable of sustaining a minimum of 3 inch lateral deformation between top and bottom plates.
- Contractor is responsible for designing, furnishing and installing bearings and all related connections, shims, pedestals and any other elements necessary to achieve performance specifications outlined above. All such elements shall be capable of sustaining the demands associated with specified bearing deformation.

PIFR FI FVATIONS

		TIEN ELEVATIONS	
REVISIONS		STATE OF ILLINOIS	
NAME	DATE	DEPARTMENT OF TRANSPORTATION REHABILITATION AND RETROFIT REPAIRS	
		FAI ROUTE 70	
		POPLAR STREET BRIDGE APPROACHES	
	İ	ST. CLAIR COUNTY	
		STRUCTURE NO. 082-0141 (ROADWAY A)	
		SCALE: N.T.S.	
		DATE: 02/01/2007	

 DATE: 124/2007

 FILENAME: p:/2001/1201-1300/2001.1240/Drafting/RoadwayRehab\_AT\RampA\ISOL\A\_PE42.DGN

 FILENAME: p:/2001/1201-1300/2001.1240/Drafting/RoadwayRehab\_AT\RampA\ISOL\A\_PE42.DGN

 A PE42.DGN

 PE42.DGN

 PE42.DGN