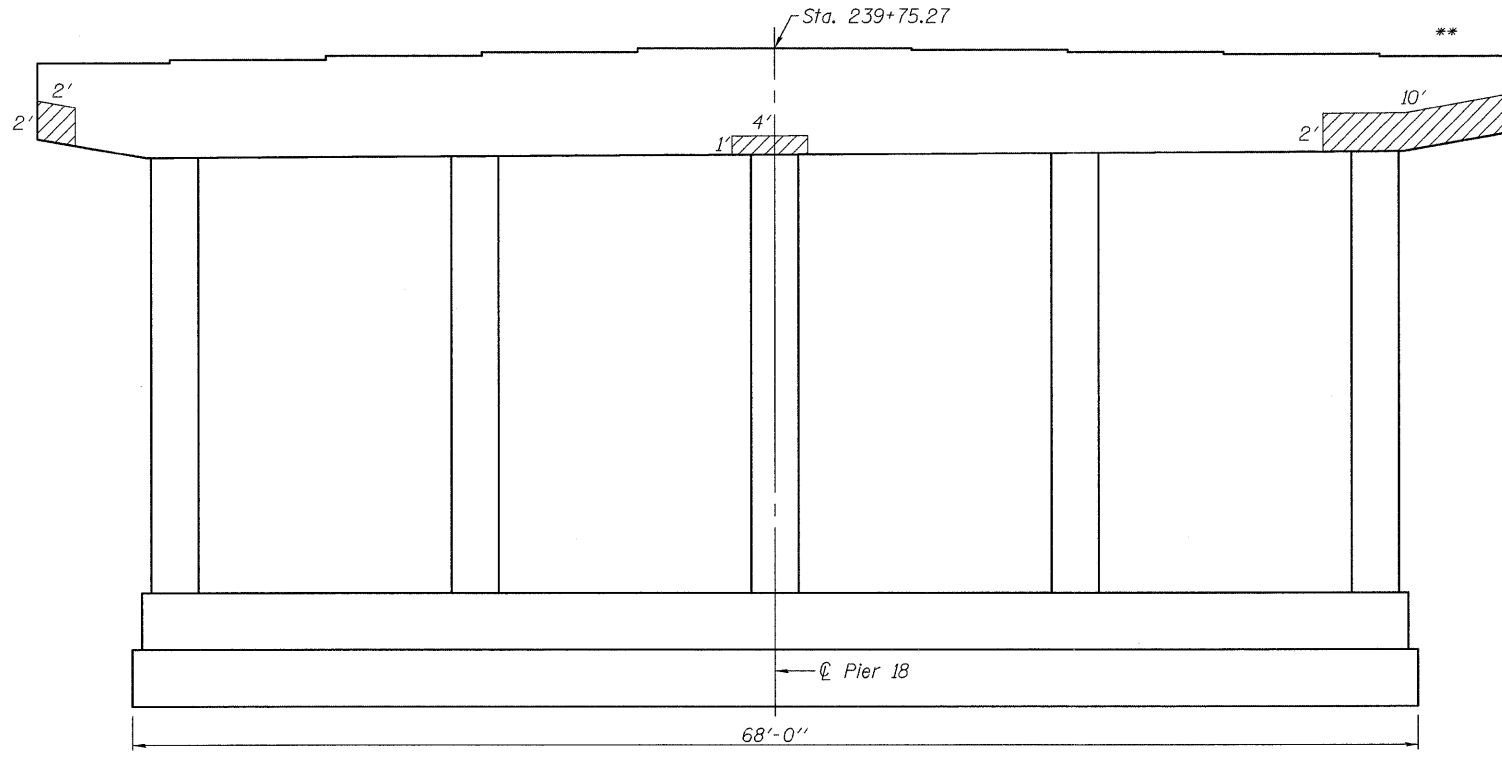
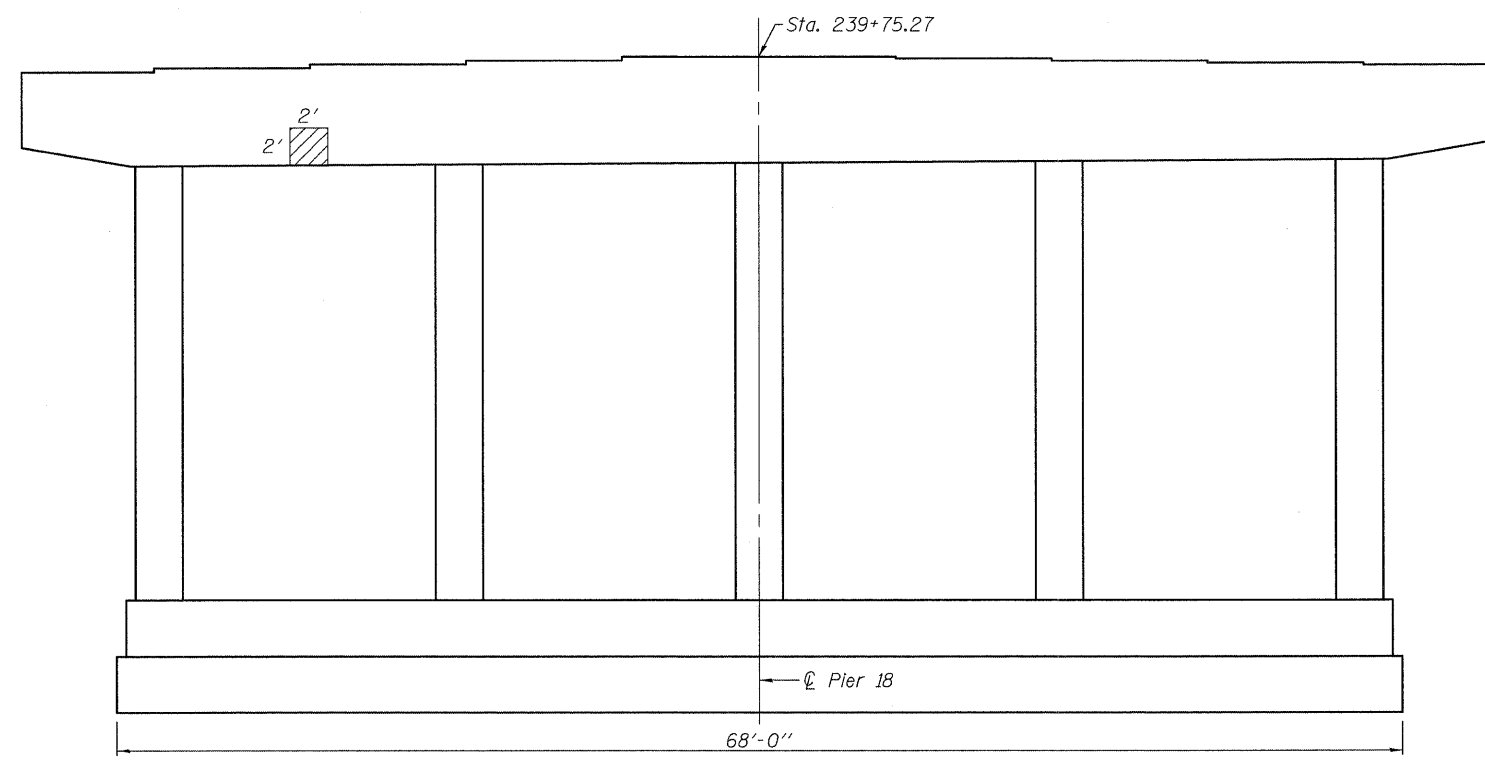


Contract # 60D74



**PIER 18-NORTH FACE ELEVATION**



**PIER 18-SOUTH FACE ELEVATION**

**REACTION TABLE**

Bearing Location	Reaction (kips)			
	R <sub>Q</sub>	R <sub>L</sub>	Impact	R <sub>Total</sub>
Q S. Brg. Pier 18	43.3	47.4	11.2	101.9
Q N. Brg. Pier 18	45.6	47.7	11.0	104.3

**BILL OF MATERIAL**

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5')	Sq. Ft.	32
Temporary Shoring and Cribbing	Each	1

**NOTE:**

- \*\* Indicates location of Temporary Shoring and Cribbing
- Structural Repair of Concrete (Depth equal to or less than 5")  
Detach the downspout from the pier if necessary and reattach once the work is complete. Cost included with Structural Repair of Concrete (Depth equal to or less than 5").
- Structural Repair of Concrete will not be allowed on any two adjacent columns at the same time, except in locations supported by Temporary Shoring and Cribbing. Work on an adjacent column shall not begin until the required curing period has elapsed on the previous column repair.

 Excellence through Ownership 200 West Front Street Wheaton, IL 60187	ILLINOIS DEPARTMENT OF TRANSPORTATION  PIER 18 REPAIRS BURNHAM AVE OVER STATE ST, R.R. & RIVER FAU RTE 2943 SECTION 1212.8-I-1 COOK COUNTY STATION 231+79.04 STRUCTURE NO. 016-0806
	DATE: 1-14-2009 DRAWN BY: JMT CHECKED BY: WJV