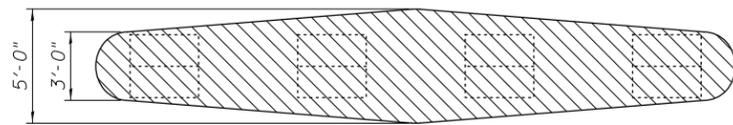
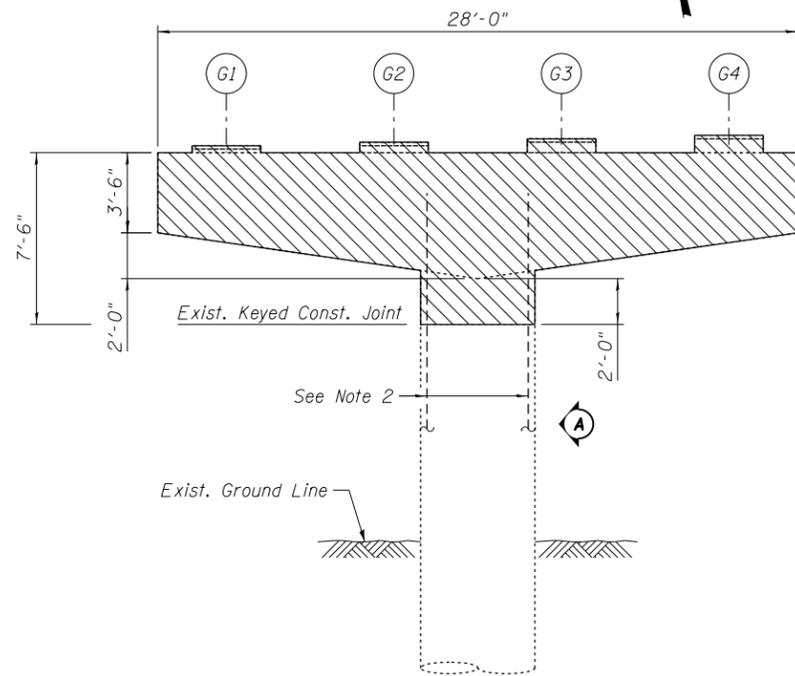


2/26/12 PM

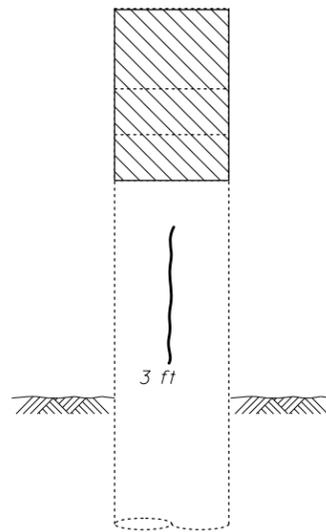
S:\1072\_05\_CADD\Structure\1\SN\_0162437\CADD\_Sheet\1062437-60J12-949-FR03Rem.dgn 12/7/2012



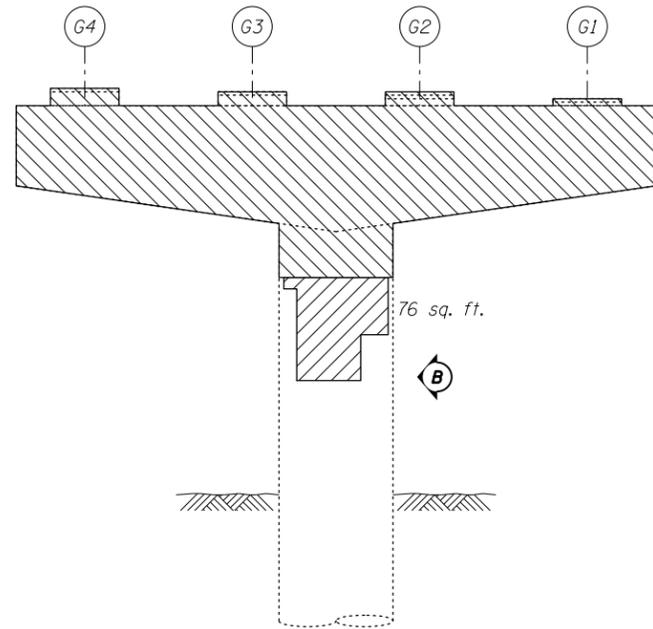
**TOP VIEW**



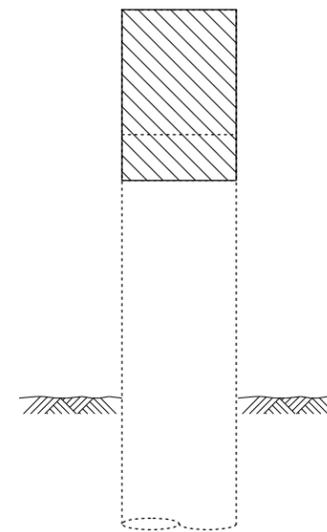
**SOUTH FACE ELEVATION**  
(Looking North)



**VIEW A**  
(Looking West)



**NORTH FACE ELEVATION**  
(Looking South)



**VIEW B**  
(Looking East)

**LEGEND**

- Concrete Removal
- Structural Repair of Concrete  
(Depth equal to or less than 5 inches)
- Epoxy Crack Injection

**NOTES:**

1. Actual quantities of repairs shall be approved by the Engineer.
2. Existing vertical reinforcement extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
3. Cost of removal of existing bearings shall be included in the cost of Jacking and Cribbing.

**BILL OF MATERIAL**

| ITEM  | UNIT    | QUANTITY |
|---|---------|----------|
| Concrete Removal  | Cu. Yd. | 19.8     |
| Structural Repair of Concrete<br>(Depth equal to or less than 5 inches) | Sq. Ft. | 76       |
| Epoxy Crack Injection   | Foot    | 3        |
| Jacking and Cribbing  | Each    | 8        |

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

|                        |               |           |
|------------------------|---------------|-----------|
| USER NAME =            | DESIGNED - TL | REVISED - |
|                        | CHECKED - BAK | REVISED - |
| PLOT SCALE =           | DRAWN - MTR   | REVISED - |
| PLOT DATE = 11/08/2012 | CHECKED - TL  | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PIER 3 REMOVAL AND REPAIR DETAILS  
STRUCTURE NO. 016-2437

SHEET NO. S-49 OF S-83 SHEETS

| F.A.I. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 94                        | 2012-060-BR | COOK   | 285          | 212       |
| CONTRACT NO. 60V61        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |