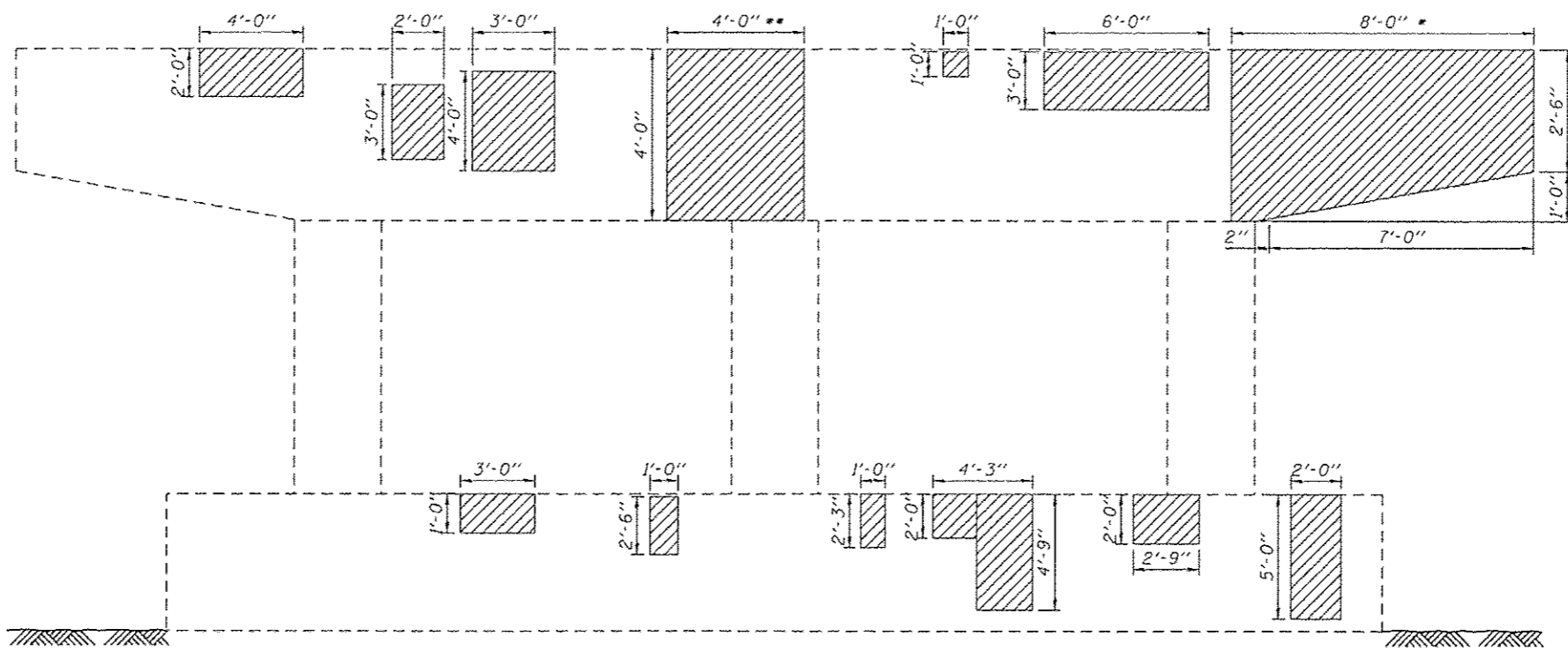


PIER 5 NORTH ELEVATION
Looking South



PIER 5 SOUTH ELEVATION
Looking North

BEAM REACTION TABLE
(From Existing Plans)

| | Beam 5 (South) | Beam 7 (South) | Beam 8 (South) |
|---------------|-------------------|-------------------|-------------------|
| Dead Load (k) | 24.2 | 27.4 | 37.7 |
| Live Load (k) | 38.6 | 39.3 | 34.6 |
| Impact (k) | 10.4 | 10.2 | 8.9 |
| Total (k) | 73.2 | 76.9 | 81.2 |

BEAM REACTION TABLE
(From Existing Plans)

| | Beam 3 (North) | Beam 7 (North) | Beam 8 (North) |
|---------------|-------------------|-------------------|-------------------|
| Dead Load (k) | 18.0 | 18.0 | 25.3 |
| Live Load (k) | 36.3 | 36.3 | 31.4 |
| Impact (k) | 10.5 | 10.5 | 9.1 |
| Total (k) | 64.8 | 64.8 | 65.8 |

- * Repair shall be preformed during stage III construction. Temporary Shoring and Cribbing shall be placed under beams 7 and 8 during this repair. Adjust and Reposition Bearings 7 and 8.
- ** Repair shall be preformed during stage II construction. Temporary Shoring and Cribbing shall be placed under beam 5 during this repair.
- *** Repair shall be preformed during stage I construction. Temporary Shoring and Cribbing shall be placed under beam 3 during this repair. Adjust and Reposition Bearing 3.

BILL OF MATERIAL

| Symbol | Item | Unit | Total |
|--------|---|---------|-------|
| | Structural Repair of Concrete (Depth <= 5") | Sq. Ft. | 282 |
| | Temporary Shoring and Cribbing | Each | 6 |

Note:
Repair of the existing pier shall include but may not be limited to the areas shown. The actual areas to be repaired will be determined by the Engineer at the time of construction.