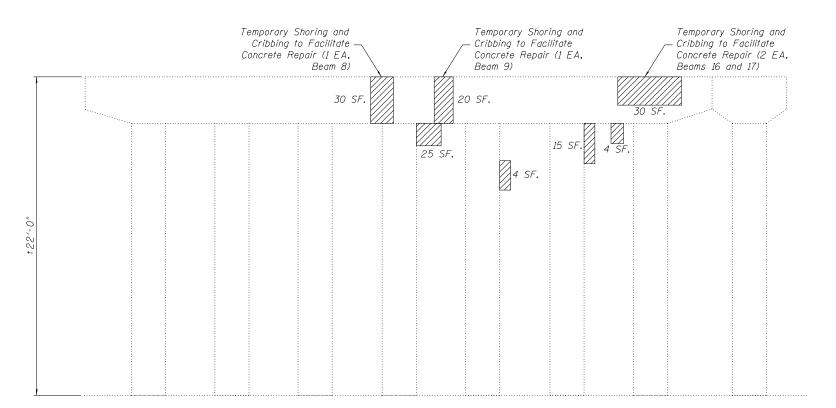


## PIER 22 SOUTH ELEVATION

(Looking North)



## PIER 22 NORTH ELEVATION

(Lookina South

Note:

Beams are numbered East to West.

| PIER 22               |     |             |         |  |  |  |
|-----------------------|-----|-------------|---------|--|--|--|
| GIRDER REACTION TABLE |     |             |         |  |  |  |
|                       |     | Span 22     | Span 23 |  |  |  |
| R DL                  | (k) | <i>35.8</i> | 56.2    |  |  |  |
| RSDL                  | (k) | 11.0        | 17.2    |  |  |  |
| RLL                   | (k) | 37.4        | 40.4    |  |  |  |
| $R_I$                 | (k) | 10.6        | 9.9     |  |  |  |
| RTotal                | (k) | 94.8        | 123.7   |  |  |  |

## Note:

Reactions provided are for the maximum girder spacing and length within the span indicated. Contractor shall verify loading at each shoring location. Cost included in pay item 'Temporary Shoring and Cribbing.'

## BILL OF MATERIAL

| SYMBOL | ITEM   | UNIT    | QUANTITY |  |
|--------|--|---------|----------|--|
|        | Structural Repair of Concrete, (Depth<br>Equal To or Less Than 5") | Sq. Ft. | 256      |  |
|        | Temporary Shoring and Cribbing                                     | Each    | 9        |  |

| COLLINS 123 N. Macker Dr.                                |
|--|
| ENGINEERS Fax (312) 704-9320                             |
| ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-800993 |

| USER NAME =  | DESIGNED | - | AMS           | REVISED - |
|--------------|----------|---|---------------|-----------|
|              | DRAWN    | - | DR            | REVISED - |
| PLOT SCALE = | CHECKED  | - | JMH           | REVISED - |
| PLOT DATE =  | DATE     | - | DECEMBER 2012 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 22 REPAIRS
I-90/94 OVER ASHLAND AVE (SN 016-0133)

SHEET NO. S31 OF S34 SHEETS

| F.A.I.<br>RTE. | SECTION        | COUNTY     | TOTAL<br>SHEETS | SHEE<br>NO. |
|----------------|----------------|------------|-----------------|-------------|
| 90/94          | 2012-055BR     | соок       | 107             | 92          |
|                |                | CONTRACT   | NO. 6           | 0V58        |
|                | TILINOIS EED A | ID PROJECT |                 |             |