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OF THE STATE OF ILLINOIS

COMMITMENTS

No commitments have been made for this project

GENERAL NOTES

All cleaning and painting shall be as specified in the Special Provisions for "Cleaning and Painting Existing Structural Steel" All beams, brackets and all other structural steel shall be cleaned per Near White Blasting Cleaning SSPC – SP10 according to the following schedule:

Bridge Locations 1,2,3,5 & 6. Entire Structure.  
Recycled steel grit abrasive equipment shall be used for these locations. Location 5 the contractor has the option to use non recycled equipment for the abrasive blast operations. Recycled equipment shall have a minimum of two recycled grit nozzle men operating simultaneously with vacuum cleaning operations. The equipment's blast pot shall be capable of being filled without interruption of the blasting or vacuuming operations.

Location 4.  
Beam ends only 5 feet out from the center of bearing.  
Contractors option to use recycled or non recycled equipment for the abrasive blast operations.

Paint Systems.  
Location 1,2,3 & 6.  
IDOT paint system 1 shall be used.  
Location 4 & 5.  
IDOT paint system 1 or 5 shall be used.

The final finish coat for the fascia beams shall be according to the following schedule:  
Locations 1,2,3,4 and 5 shall Blue (Munsell No. 10B3/6)  
Location 6 shall be Red Brown (Munsell No. 2.5YR 3/4)

The final finish coat for the underside shall be according to the following schedule.  
All locations shall be Light Grey (Munsell No. 5B 7/1)

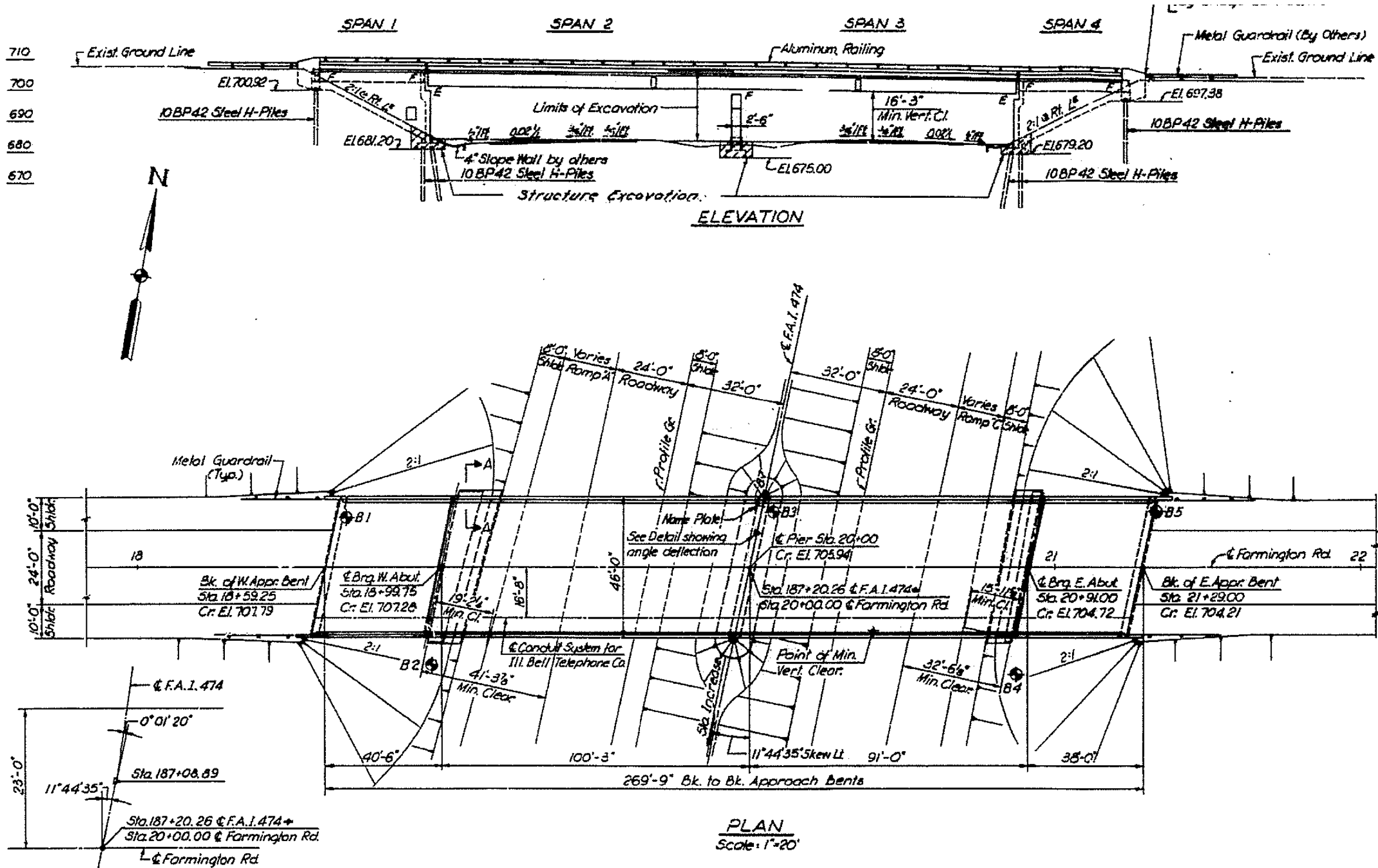
QP1 & QP 2 Required for this project.  
2 air monitors are required at locations 1 and 5 each

|                                                              |                                                              |            |           |                                                   |               |                           |                         |          |        |       |
|--------------------------------------------------------------|--------------------------------------------------------------|------------|-----------|---------------------------------------------------|---------------|---------------------------|-------------------------|----------|--------|-------|
| FILE NAME :<br>68887 Bridge Painting 2015.dgn<br><br>Default | USER NAME : hml010r                                          | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | GENERAL NOTES | F.A.                      | SECTION                 | COUNTY   | TOTAL  | SHEET |
|                                                              |                                                              | DRAWN -    | REVISED - |                                                   |               | RTE.                      |                         |          | SHEETS | NO.   |
|                                                              | PLOT SCALE : 100.0000' / in.                                 | CHECKED -  | REVISED - |                                                   |               | VAR                       | D4 BRIDGE PAINTING 2015 | ILLINOIS | 21     | 2     |
|                                                              | PLOT DATE : 3/23/2015                                        | DATE -     | REVISED - |                                                   |               | CONTRACT NO. 68887        |                         |          |        |       |
|                                                              | SCALE:      SHEET      OF      SHEETS      STA.      TO STA. |            |           |                                                   |               | ILLINOIS FED. AID PROJECT |                         |          |        |       |





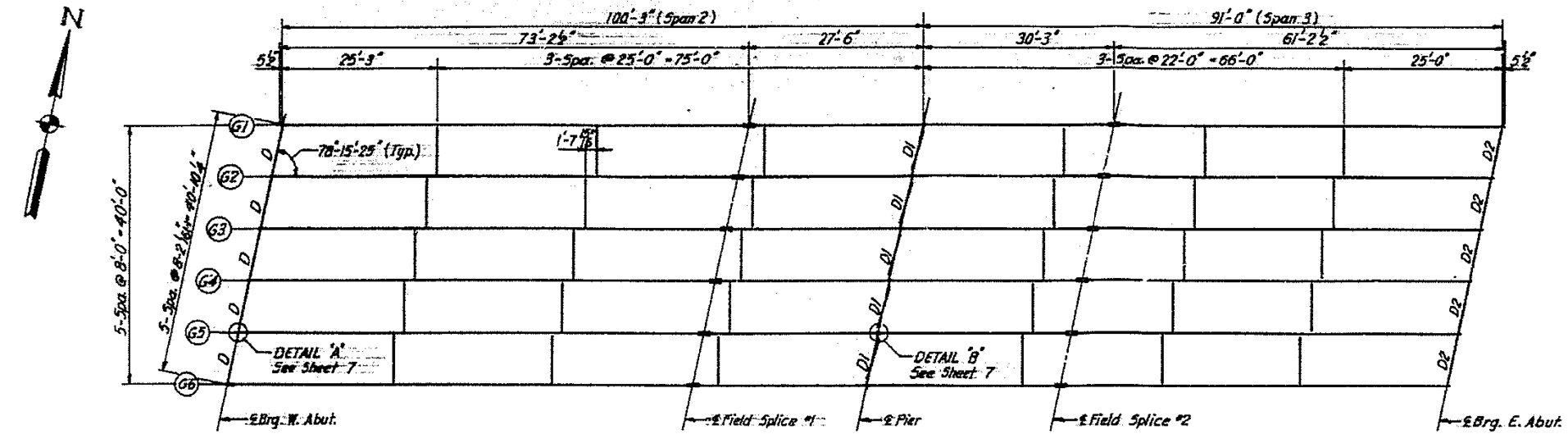
INFORMATION ONLY FOR S.N. 072-0118



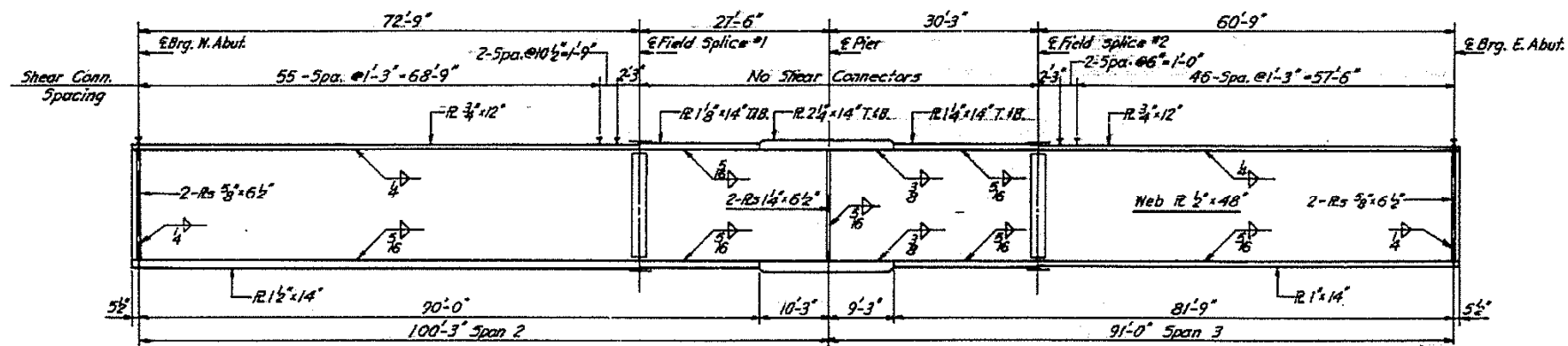
LOCATION 1

|                                |                              |            |           |                                                   |                    |       |    |        |              |                         |                        |                 |              |
|--------------------------------|------------------------------|------------|-----------|---------------------------------------------------|--------------------|-------|----|--------|--------------|-------------------------|------------------------|-----------------|--------------|
| FILE NAME =                    | USER NAME = keathbr          | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | LOCATION 1         |       |    |        | F.A.<br>RTE. | SECTION                 | COUNTY                 | TOTAL<br>SHEETS | SHEET<br>NO. |
| 68B87 Bridge Painting 2015.dgn |                              | DRAWN -    | REVISED - |                                                   |                    |       |    |        | VAR          | D4 BRIDGE PAINTING 2015 | PERMATAZELL & MARSHALL | 21              | 5            |
| Default                        | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |                                                   | CONTRACT NO. 68B87 |       |    |        |              |                         |                        |                 |              |
|                                | PLOT DATE = 3/23/2015        | DATE -     | REVISED - |                                                   | SCALE:             | SHEET | OF | SHEETS | STA.         | TO                      | STA.                   |                 |              |

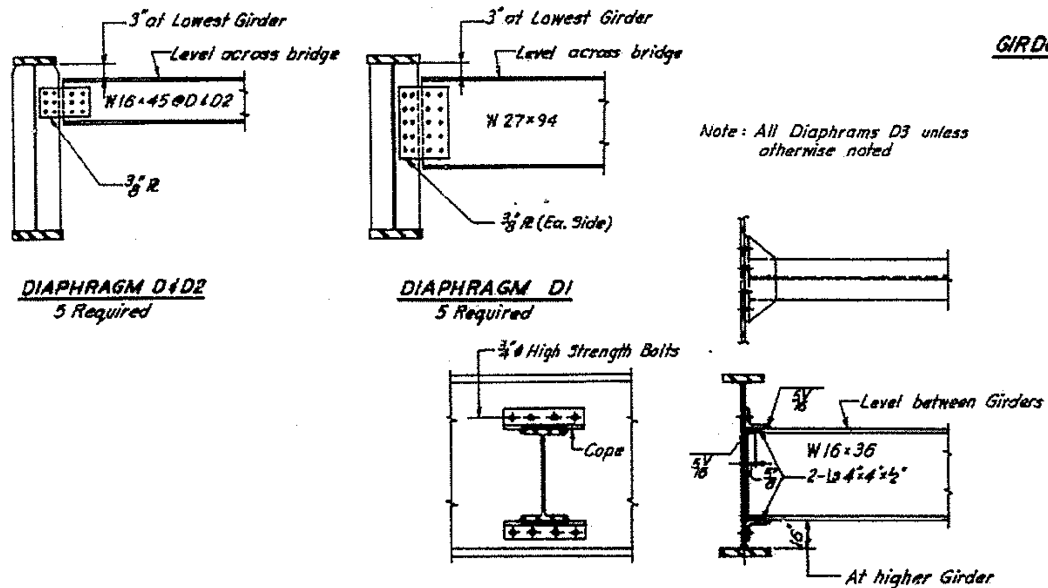
INFORMATION ONLY FOR S.N. 072-0118



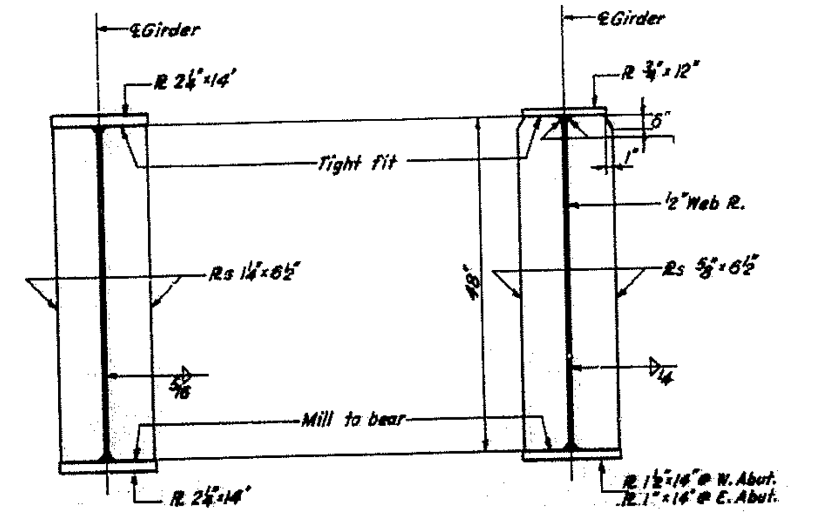
FRAMING PLAN



GIRDER ELEVATION



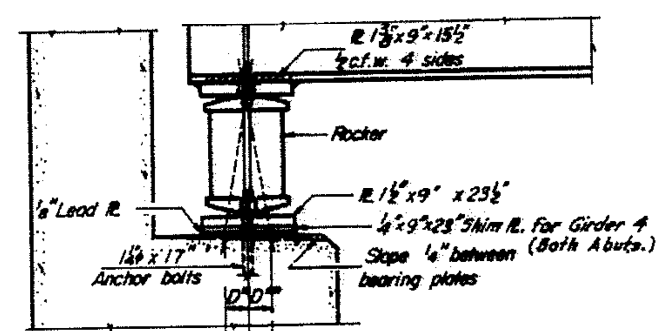
DIAPHRAGM D3  
30 Required



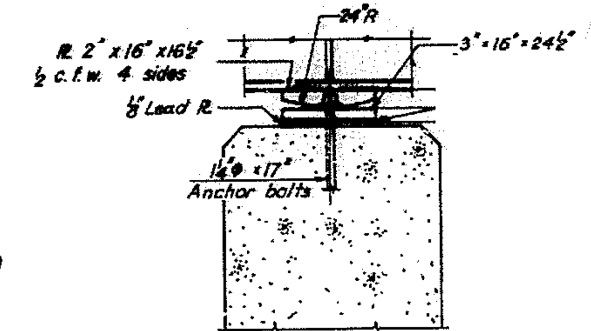
BEARING STIFFENERS • PIER

### BEARING STIFFENERS & ABUTMENTS

**Note: All Bearing stiffeners to be vertical**



AT ABUTMENT



## **BEARING ASSEMBLY**

AT PIER

## LOCATION 1

|                                |                               |            |           |                                                   |                    |       |    |        |           |                         |                             |              |           |
|--------------------------------|-------------------------------|------------|-----------|---------------------------------------------------|--------------------|-------|----|--------|-----------|-------------------------|-----------------------------|--------------|-----------|
| FILE NAME =                    | USER NAME = keithbr           | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | LOCATION 1         |       |    |        | F.A. RTE. | SECTION                 | COUNTY                      | TOTAL SHEETS | SHEET NO. |
| 68B87 Bridge Painting 2015.dgn |                               | DRAWN -    | REVISED - |                                                   |                    |       |    |        | VAR       | D4 BRIDGE PAINTING 2015 | PERKINS/HAZENELL & HARRISON | 21           | 6         |
| Default                        | PLOT SCALE = 100.0000 ' / in. | CHECKED -  | REVISED - |                                                   | CONTRACT NO. 68B87 |       |    |        |           |                         |                             |              |           |
|                                | PLOT DATE = 3/23/2015         | DATE -     | REVISED - |                                                   | SCALE:             | SHEET | OF | SHEETS | STA.      | TO                      | STA.                        |              |           |

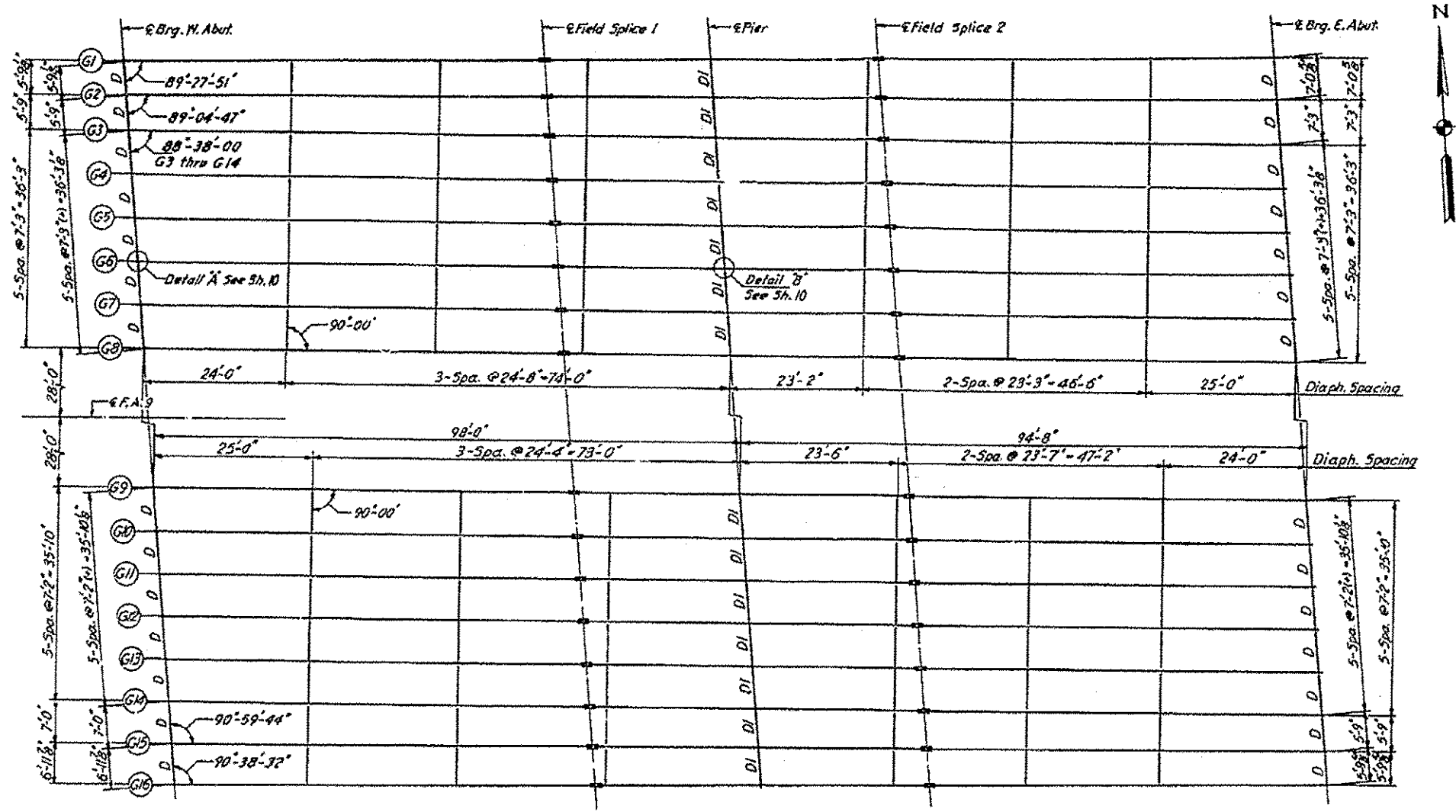
[illegible]

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|        |       |    |        |      |         |
|--------|-------|----|--------|------|---------|
| SCALE: | SHEET | OF | SHEETS | STA. | TO STA. |
|--------|-------|----|--------|------|---------|

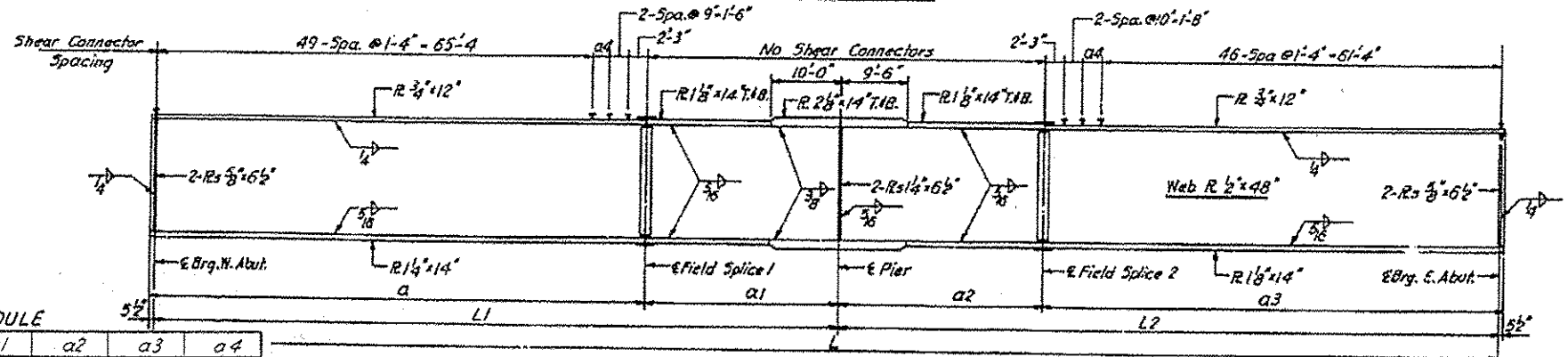
|              |                           |                           |                 |              |
|--------------|---------------------------|---------------------------|-----------------|--------------|
| F.A.<br>RTE. | SECTION                   | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |
| VAR          | D4 BRIDGE PAINTING 2015   | PEROLA/IZENELL & MARSHALL | 21              | 7            |
|              |                           | CONTRACT NO. 68B87        |                 |              |
|              | ILLINOIS FED. AID PROJECT |                           |                 |              |

INFORMATION ONLY FOR S.N. 072-0119 AND 072-0120



FRAMING PLAN

Note: All Diaphragms D2 unless otherwise noted



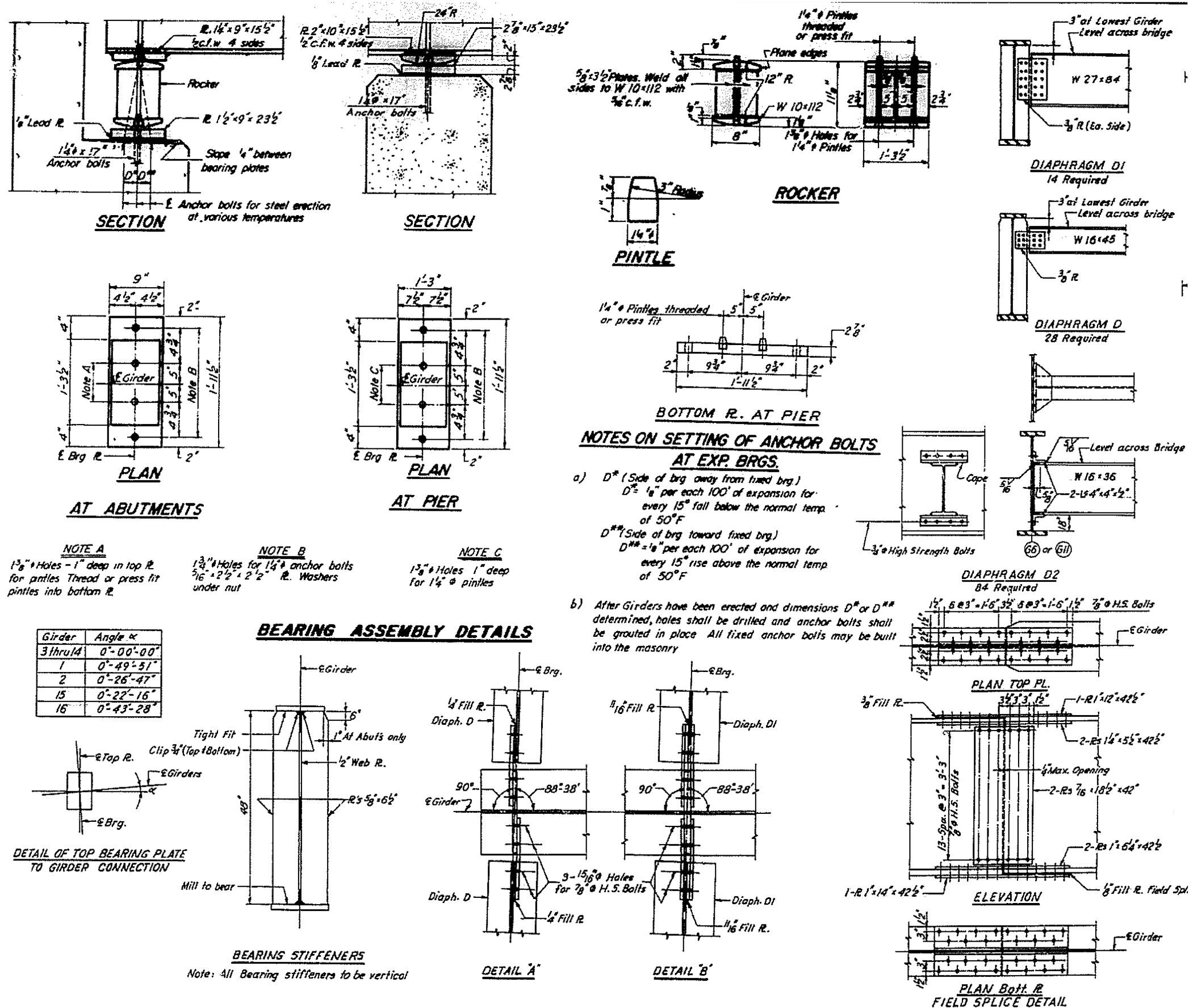
GIRDER SCHEDULE

| Girder       | L           | L1          | L2         | a          | a1           | a2           | a3          | a4          |
|--------------|-------------|-------------|------------|------------|--------------|--------------|-------------|-------------|
| (1)          | 192'-7 1/2" | 97'-11 3/4" | 94'-7 3/4" | 70'-8 5/8" | 27'-8 13/16" | 28'-2 13/16" | 66'-10 3/8" | 1'-1 13/16" |
| (2)          | 192'-7 1/2" | 97'-11 3/4" | 94'-7 3/4" | 70'-8 5/8" | 27'-8 13/16" | 28'-2 13/16" | 66'-10 3/8" | 1'-1 13/16" |
| (3) thru (4) | 192'-8"     | 98'-0"      | 94'-8"     | 70'-8 5/8" | 27'-9"       | 28'-3"       | 66'-10 3/8" | 1'-2"       |
| (5)          | 192'-7 1/2" | 97'-11 3/4" | 94'-7 3/4" | 70'-8 5/8" | 27'-8 13/16" | 28'-2 13/16" | 66'-10 3/8" | 1'-1 13/16" |
| (6)          | 192'-7 1/2" | 97'-11 3/4" | 94'-7 3/4" | 70'-8 5/8" | 27'-8 13/16" | 28'-2 13/16" | 66'-10 3/8" | 1'-1 13/16" |

GIRDER ELEVATION

LOCATION 2 AND 3

|                                            |                           |            |           |                                                   |                  |                                     |                           |                          |              |           |
|--------------------------------------------|---------------------------|------------|-----------|---------------------------------------------------|------------------|-------------------------------------|---------------------------|--------------------------|--------------|-----------|
| FILE NAME : 68887 Bridge Painting 2015.dgn | USER NAME : kwo10br       | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | LOCATION 2 AND 3 | F.A. RTE.                           | SECTION                   | COUNTY                   | TOTAL SHEETS | SHEET NO. |
| Default                                    | PLOT SCALE : 1/8" = 1'-0" | DRAWN -    | REVISED - |                                                   |                  | VAR                                 | 04 BRIDGE PAINTING 2015   | PERKINS/NEEDLE & BARNARD | 21           | 8         |
|                                            | PLOT DATE : 3/23/2015     | CHECKED -  | REVISED - |                                                   |                  | CONTRACT NO. 68887                  |                           |                          |              |           |
|                                            |                           | DATE -     | REVISED - |                                                   |                  | SCALE: SHEET OF SHEETS STA. TO STA. | ILLINOIS FED. AID PROJECT |                          |              |           |



## LOCATION 2 AND 3

|                                |                               |            |           |                                                   |                    |       |    |        |      |           |                         |                        |              |           |
|--------------------------------|-------------------------------|------------|-----------|---------------------------------------------------|--------------------|-------|----|--------|------|-----------|-------------------------|------------------------|--------------|-----------|
| FILE NAME =                    | USER NAME = keithbr           | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | LOCATION 2 AND 3   |       |    |        |      | F.A. RTE. | SECTION                 | COUNTY                 | TOTAL SHEETS | SHEET NO. |
| 68B87 Bridge Painting 2015.dgn |                               | DRAWN -    | REVISED - |                                                   |                    |       |    |        |      | VAR       | D4 BRIDGE PAINTING 2015 | PERMATAZELL & MARSHALL | 21           | 9         |
|                                | PLOT SCALE = 100.0000 ' / in. | CHECKED -  | REVISED - |                                                   | CONTRACT NO. 68B87 |       |    |        |      |           |                         |                        |              |           |
| Default                        | PLOT DATE = 3/23/2015         | DATE       | REVISED - |                                                   | SCALE:             | SHEET | OF | SHEETS | STA. | TO        | STA.                    |                        |              |           |

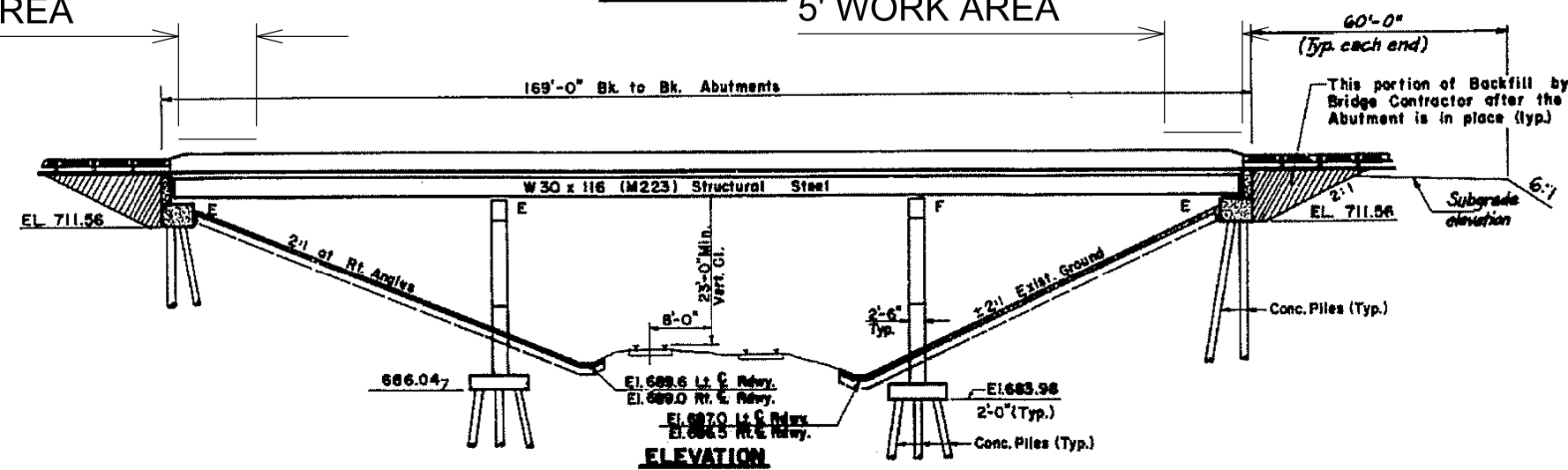
This technical drawing is a plan view of a bridge structure, showing the layout of the bridge deck, abutments, piers, and various construction details. The drawing is oriented with the bridge axis running diagonally from the top-left to the bottom-right.

**Key Features and Dimensions:**

- Bridge Deck:** The main deck is shown with a width of 41'-0" between the centerlines of the piers. The total width of the bridge, including the approach shoulders, is 169'-0".
- Abutments:**
  - W. Abut. (West):** Located at Station 72+19.08, Elevation 719.52. It is 24'-0" wide.
  - E. Abut. (East):** Located at Station 73+88.08, Elevation 719.52. It is 24'-0" wide.
- Piers:**
  - Pier No. 1:** Located at Station 72+71.08, Elevation 719.71.
  - Pier No. 2:** Located at Station 73+36.08, Elevation 719.71.
- Approach and P.G. Line:** The drawing shows the "Prop. Roadway and P.G. Line" (Proposed Roadway and Profile Grade Line) and the "Limits of Existing" structure.
- Construction Stages:**
  - Stage I Construction:** Shows the initial bridge deck and abutment layout.
  - Stage II Construction:** Shows the addition of the bridge deck and approach shoulders.
- Drains and Pavement:**
  - 2'-6" Floor Drains (Typ):** Located on each side of the deck.
  - Bridge Appr. Shldr. Pavt. Std 2324 with Drains Typ. each corner:** Pavement standard for the approach shoulders.
- Other Details:**
  - Boring No. 1, 2, 3:** Locations of borings are marked.
  - Chicago & North Western:** A railroad line is shown crossing the bridge.
  - 200' to E. Existing Structure:** A dimension indicating the distance to an existing structure.
  - 2'-11" and 52'-0" Dimensions:** These dimensions define the width of the approach shoulders and the main bridge deck.

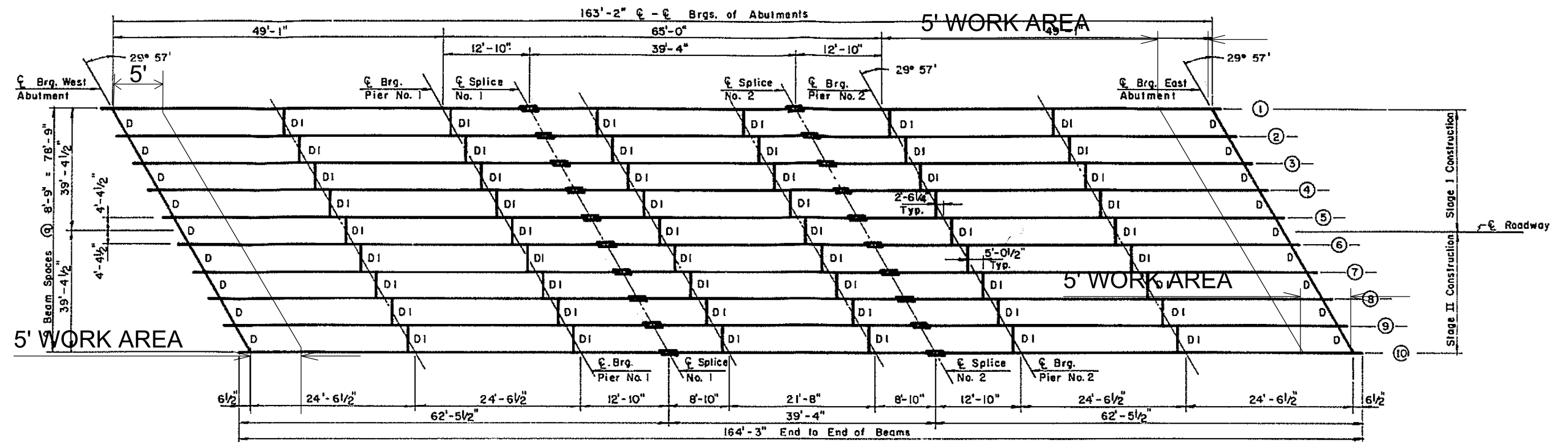
PLAN VIEW

5' WORK AREA



|                                |                              |            |           |                                                           |                           |       |    |        |              |                         |                                |                 |              |
|--------------------------------|------------------------------|------------|-----------|-----------------------------------------------------------|---------------------------|-------|----|--------|--------------|-------------------------|--------------------------------|-----------------|--------------|
| FILE NAME =                    | USER NAME = keithbr          | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>LOCATION 4</b>         |       |    |        | F.A.<br>RTE. | SECTION                 | COUNTY                         | TOTAL<br>SHEETS | SHEET<br>NO. |
| 68B87 Bridge Painting 2015.dgn |                              | DRAWN -    | REVISED - |                                                           |                           |       |    |        | VAR          | D4 BRIDGE PAINTING 2015 | POTENTIAL/REPAIR & IMPROVEMENT | 21              | 10           |
|                                | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |                                                           |                           |       |    |        |              | CONTRACT NO. 68B87      |                                |                 |              |
| Default                        | PLOT DATE = 3/23/2015        | DATE -     | REVISED - |                                                           |                           |       |    |        |              |                         |                                |                 |              |
|                                |                              |            |           |                                                           | SCALE:                    | SHEET | OF | SHEETS | STA.         | TO STA.                 |                                |                 |              |
|                                |                              |            |           |                                                           | ILLINOIS FED. AID PROJECT |       |    |        |              |                         |                                |                 |              |

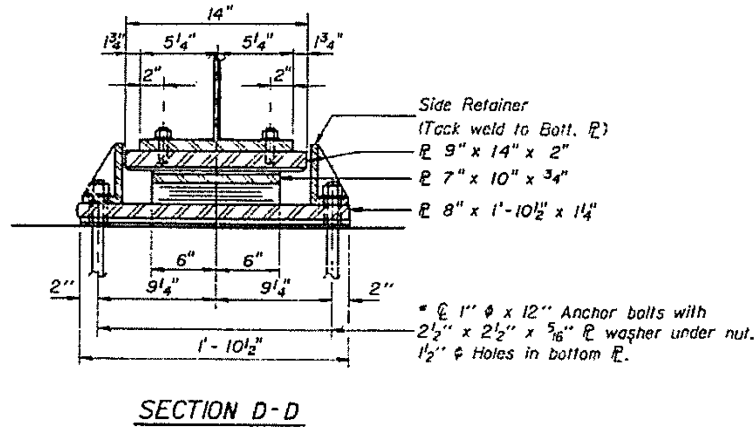
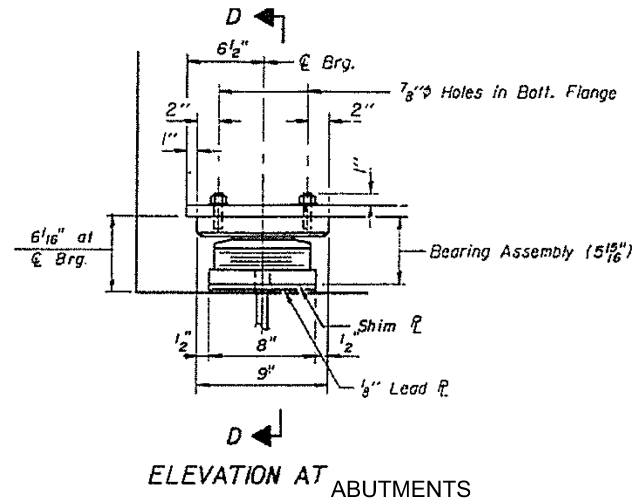
INFORMATION ONLY FOR S.N. 072-0154



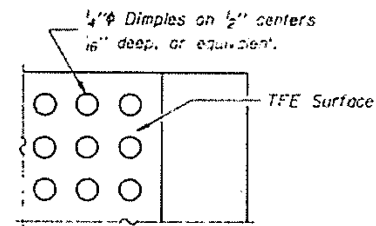
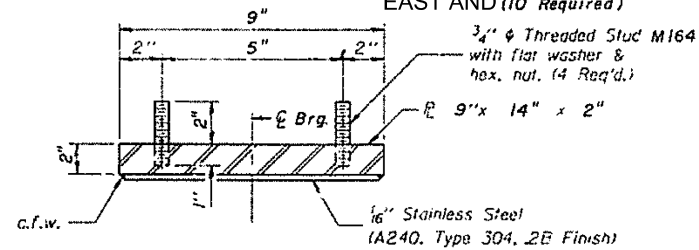
**STRUCTURAL STEEL LAYOUT**  
ALL BEAMS W 30x116 (AASHTO M223, Gr. 50)

## LOCATION 4

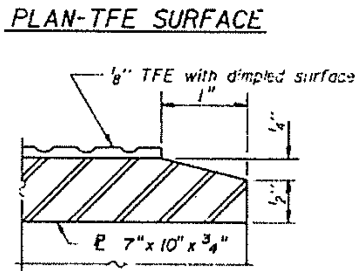
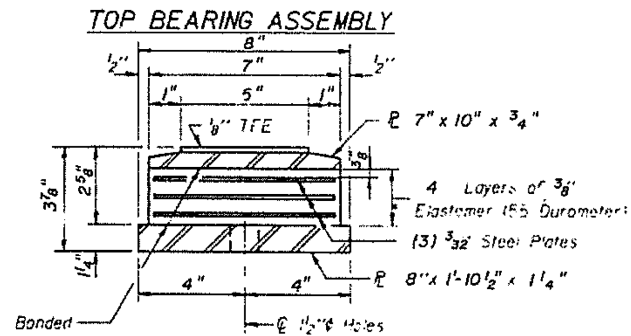
|                                |                               |            |           |                                                   |                    |       |    |        |      |           |                         |                            |              |           |
|--------------------------------|-------------------------------|------------|-----------|---------------------------------------------------|--------------------|-------|----|--------|------|-----------|-------------------------|----------------------------|--------------|-----------|
| FILE NAME =                    | USER NAME = keithbr           | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | LOCATION 4         |       |    |        |      | F.A. RTE. | SECTION                 | COUNTY                     | TOTAL SHEETS | SHEET NO. |
| 68B87 Bridge Painting 2015.dgn |                               | DRAWN -    | REVISED - |                                                   |                    |       |    |        |      | VAR       | D4 BRIDGE PAINTING 2015 | PERKINS+TANIELL & MARSHALL | 21           | 11        |
|                                | PLOT SCALE = 100.0000 ' / in. | CHECKED -  | REVISED - |                                                   | CONTRACT NO. 68B87 |       |    |        |      |           |                         |                            |              |           |
| Default                        | PLOT DATE = 3/23/2015         | DATE       | REVISED - |                                                   | SCALE:             | SHEET | OF | SHEETS | STA. | TO        | STA.                    | ILLINOIS FED. AID PROJECT  |              |           |



**TYPE II TFE ELASTOMERIC EXP. BRG.**  
**WEST ABUTMENT**  
EAST AND (10 Required)

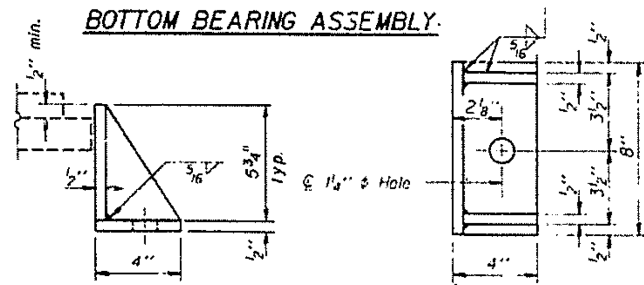


\* Notes: Anchor bolts at fixed bearings may be built into the masonry.  
See sheet no. 13 of 20 for Anchor Bolt installation.

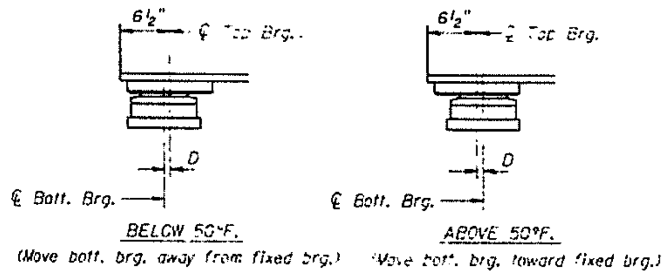


Note: The 1/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

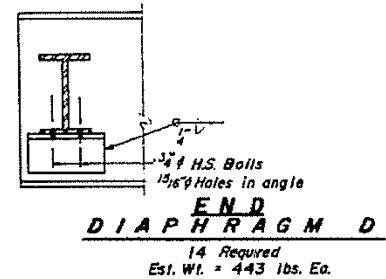
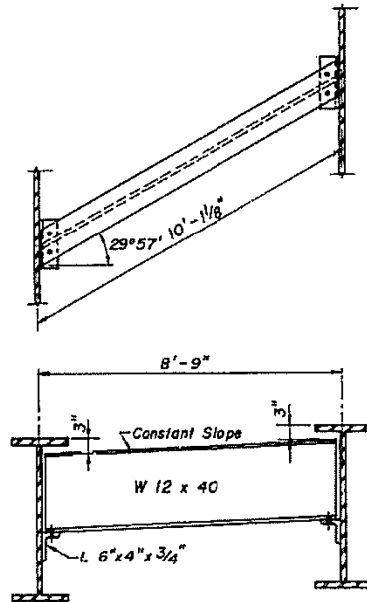
Bonding of 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.



**SIDE RETAINER**  
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



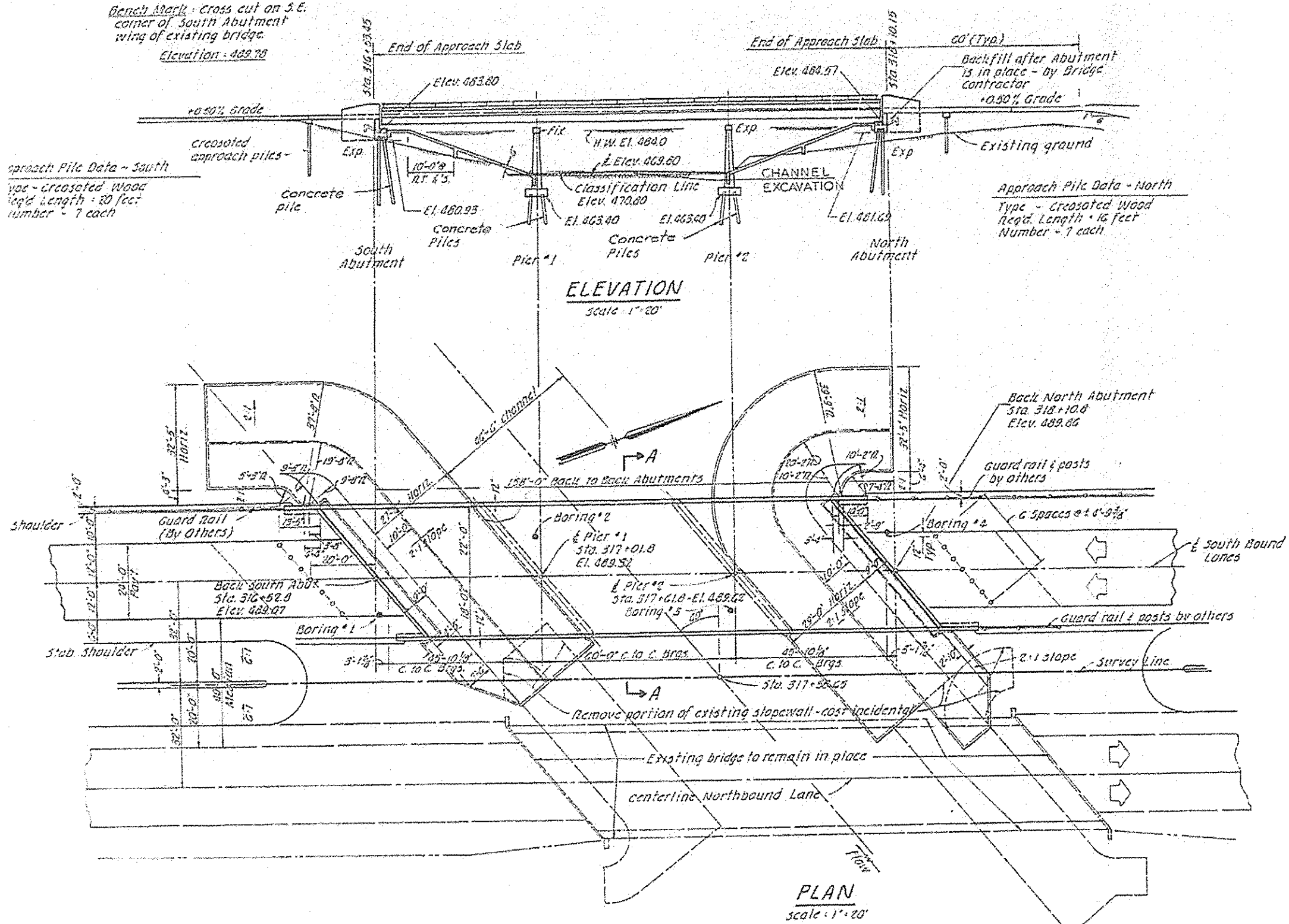
**SETTING ANCHOR BOLTS AT EXP. BRG.**  
D=1/8" per each 100 of expansion for every 15° temp. change from the normal temp. of 50°F.



**LOCATION 4**

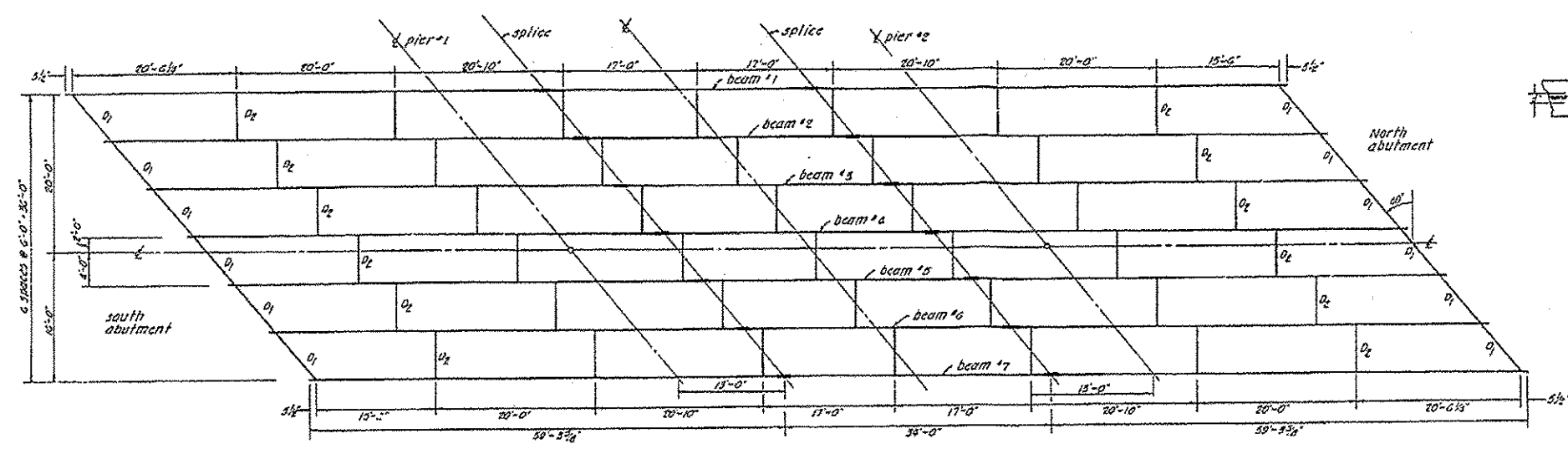
|                                            |                              |            |           |                                                   |            |           |                         |             |                    |                           |
|--------------------------------------------|------------------------------|------------|-----------|---------------------------------------------------|------------|-----------|-------------------------|-------------|--------------------|---------------------------|
| FILE NAME = 68B87 Bridge Painting 2015.dgn | USER NAME = keathbr          | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | LOCATION 4 | F.A. RTE. | SECTION                 | COUNTY      | TOTAL SHEETS       | SHEET NO.                 |
| Default                                    | PLOT SCALE = 100.0000' / in. | DRAWN -    | REVISED - |                                                   |            | VAR       | D4 BRIDGE PAINTING 2015 | ILLINOIS    | 21                 | 12                        |
|                                            | PLOT DATE = 3/23/2015        | CHECKED -  | REVISED - |                                                   |            |           |                         |             | CONTRACT NO. 68B87 |                           |
|                                            |                              | DATE -     | REVISED - |                                                   |            | SCALE:    | SHEET OF                | SHEETS STA. | TO STA.            | ILLINOIS FED. AID PROJECT |

INFORMATION ONLY FOR S.N. 090-0110



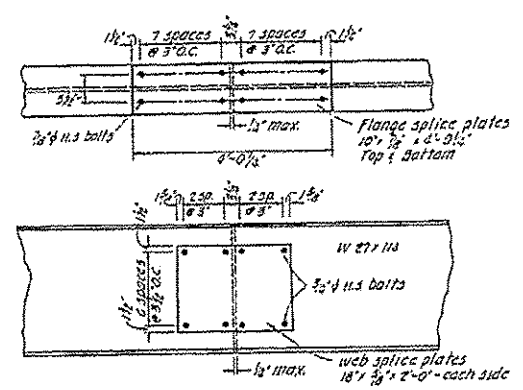
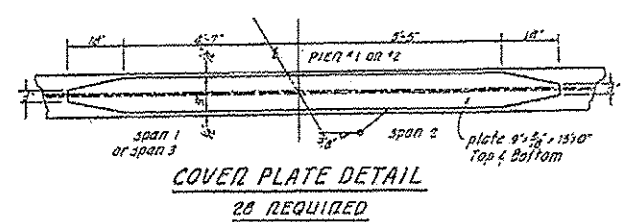
LOCATION 5

|                                                          |                     |            |           |                                                   |            |                                     |                           |                         |                              |              |           |
|----------------------------------------------------------|---------------------|------------|-----------|---------------------------------------------------|------------|-------------------------------------|---------------------------|-------------------------|------------------------------|--------------|-----------|
| FILE NAME :<br>68887 Bridge Painting 2015.dgn<br>Default | USER NAME : kashbkr | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | LOCATION 5 | SCALE: SHEET OF SHEETS STA. TO STA. | F.A. RTE.                 | SECTION                 | COUNTY                       | TOTAL SHEETS | SHEET NO. |
|                                                          |                     | DRAWN -    | REVISED - |                                                   |            |                                     | VAR                       | 04 BRIDGE PAINTING 2015 | ILLINOIS FEDERAL AID PROJECT | 21           | 13        |
|                                                          |                     | CHECKED -  | REVISED - |                                                   |            |                                     | CONTRACT NO. 68887        |                         |                              |              |           |
|                                                          |                     | DATE -     | REVISED - |                                                   |            |                                     | ILLINOIS FED. AID PROJECT |                         |                              |              |           |

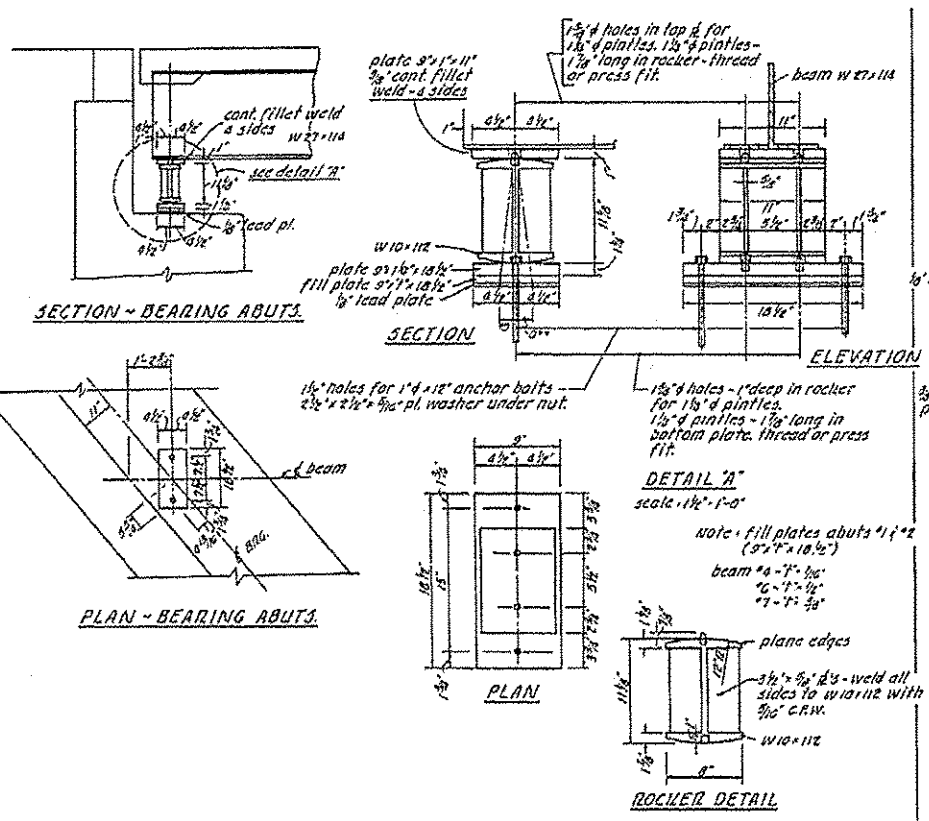


PLAN - STRUCTURAL FRAMING  
SCALE: 1/8" = 1'-0"

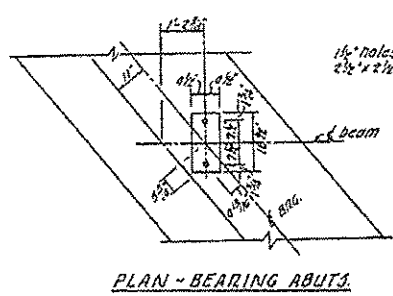
ALL BEAMS W 27 x 114  
BEAMS PARALLEL TO GRADE



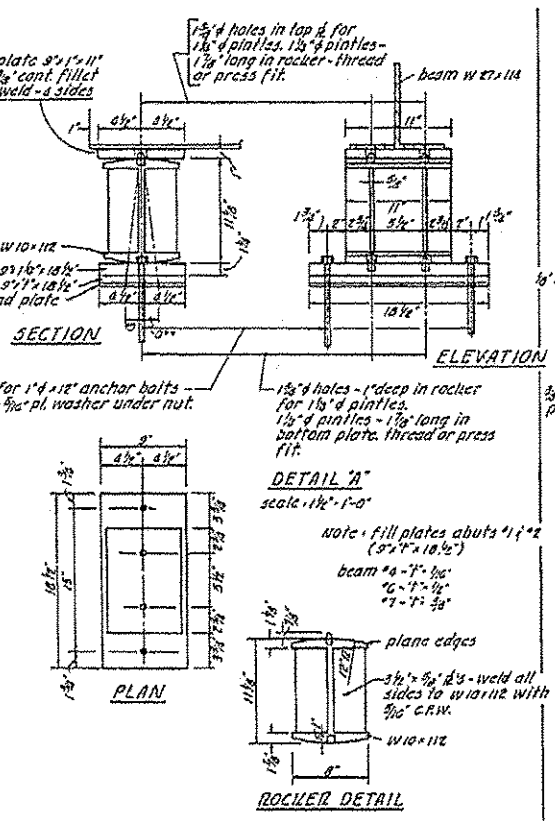
BEAM SPLICE DETAILS



SECTION - BEARING ABUTS



PLAN - BEARING ABUTS



SECTION

DETAIL 'A'

SCALE: 1/4" = 1'-0"

NOTE: fill plates about 1/2" (9" x 10 1/2")

beam #4 - 1" x 1/2"

beam #6 - 1" x 1/2"

beam #7 - 1" x 1/2"

beam #8 - 1" x 1/2"

beam #9 - 1" x 1/2"

beam #10 - 1" x 1/2"

beam #11 - 1" x 1/2"

beam #12 - 1" x 1/2"

beam #13 - 1" x 1/2"

beam #14 - 1" x 1/2"

beam #15 - 1" x 1/2"

beam #16 - 1" x 1/2"

beam #17 - 1" x 1/2"

beam #18 - 1" x 1/2"

beam #19 - 1" x 1/2"

beam #20 - 1" x 1/2"

beam #21 - 1" x 1/2"

beam #22 - 1" x 1/2"

beam #23 - 1" x 1/2"

beam #24 - 1" x 1/2"

beam #25 - 1" x 1/2"

beam #26 - 1" x 1/2"

beam #27 - 1" x 1/2"

beam #28 - 1" x 1/2"

beam #29 - 1" x 1/2"

beam #30 - 1" x 1/2"

beam #31 - 1" x 1/2"

beam #32 - 1" x 1/2"

beam #33 - 1" x 1/2"

beam #34 - 1" x 1/2"

beam #35 - 1" x 1/2"

beam #36 - 1" x 1/2"

beam #37 - 1" x 1/2"

beam #38 - 1" x 1/2"

beam #39 - 1" x 1/2"

beam #40 - 1" x 1/2"

beam #41 - 1" x 1/2"

beam #42 - 1" x 1/2"

beam #43 - 1" x 1/2"

beam #44 - 1" x 1/2"

beam #45 - 1" x 1/2"

beam #46 - 1" x 1/2"

beam #47 - 1" x 1/2"

beam #48 - 1" x 1/2"

beam #49 - 1" x 1/2"

beam #50 - 1" x 1/2"

beam #51 - 1" x 1/2"

beam #52 - 1" x 1/2"

beam #53 - 1" x 1/2"

beam #54 - 1" x 1/2"

beam #55 - 1" x 1/2"

beam #56 - 1" x 1/2"

beam #57 - 1" x 1/2"

beam #58 - 1" x 1/2"

beam #59 - 1" x 1/2"

beam #60 - 1" x 1/2"

beam #61 - 1" x 1/2"

beam #62 - 1" x 1/2"

beam #63 - 1" x 1/2"

beam #64 - 1" x 1/2"

beam #65 - 1" x 1/2"

beam #66 - 1" x 1/2"

beam #67 - 1" x 1/2"

beam #68 - 1" x 1/2"

beam #69 - 1" x 1/2"

beam #70 - 1" x 1/2"

beam #71 - 1" x 1/2"

beam #72 - 1" x 1/2"

beam #73 - 1" x 1/2"

beam #74 - 1" x 1/2"

beam #75 - 1" x 1/2"

beam #76 - 1" x 1/2"

beam #77 - 1" x 1/2"

beam #78 - 1" x 1/2"

beam #79 - 1" x 1/2"

beam #80 - 1" x 1/2"

beam #81 - 1" x 1/2"

beam #82 - 1" x 1/2"

beam #83 - 1" x 1/2"

beam #84 - 1" x 1/2"

beam #85 - 1" x 1/2"

beam #86 - 1" x 1/2"

beam #87 - 1" x 1/2"

beam #88 - 1" x 1/2"

beam #89 - 1" x 1/2"

beam #90 - 1" x 1/2"

beam #91 - 1" x 1/2"

beam #92 - 1" x 1/2"

beam #93 - 1" x 1/2"

beam #94 - 1" x 1/2"

beam #95 - 1" x 1/2"

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beam #97 - 1" x 1/2"

beam #98 - 1" x 1/2"

beam #99 - 1" x 1/2"

beam #100 - 1" x 1/2"

beam #101 - 1" x 1/2"

beam #102 - 1" x 1/2"

beam #103 - 1" x 1/2"

beam #104 - 1" x 1/2"

beam #105 - 1" x 1/2"

beam #106 - 1" x 1/2"

beam #107 - 1" x 1/2"

beam #108 - 1" x 1/2"

beam #109 - 1" x 1/2"

beam #110 - 1" x 1/2"

beam #111 - 1" x 1/2"

beam #112 - 1" x 1/2"

beam #113 - 1" x 1/2"

beam #114 - 1" x 1/2"

beam #115 - 1" x 1/2"

beam #116 - 1" x 1/2"

beam #117 - 1" x 1/2"

beam #118 - 1" x 1/2"

beam #119 - 1" x 1/2"

beam #120 - 1" x 1/2"

beam #121 - 1" x 1/2"

beam #122 - 1" x 1/2"

beam #123 - 1" x 1/2"

beam #124 - 1" x 1/2"

beam #125 - 1" x 1/2"

beam #126 - 1" x 1/2"

beam #127 - 1" x 1/2"

beam #128 - 1" x 1/2"

beam #129 - 1" x 1/2"

beam #130 - 1" x 1/2"

beam #131 - 1" x 1/2"

beam #132 - 1" x 1/2"

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beam #138 - 1" x 1/2"

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beam #141 - 1" x 1/2"

beam #142 - 1" x 1/2"

beam #143 - 1" x 1/2"

beam #144 - 1" x 1/2"

beam #145 - 1" x 1/2"

beam #146 - 1" x 1/2"

beam #147 - 1" x 1/2"

beam #148 - 1" x 1/2"

beam #149 - 1" x 1/2"

beam #150 - 1" x 1/2"

beam #151 - 1" x 1/2"

beam #152 - 1" x 1/2"

beam #153 - 1" x 1/2"

beam #154 - 1" x 1/2"

beam #155 - 1" x 1/2"

beam #156 - 1" x 1/2"

beam #157 - 1" x 1/2"

beam #158 - 1" x 1/2"

beam #159 - 1" x 1/2"

beam #160 - 1" x 1/2"

beam #161 - 1" x 1/2"

beam #162 - 1" x 1/2"

beam #163 - 1" x 1/2"

beam #164 - 1" x 1/2"

beam #165 - 1" x 1/2"

beam #166 - 1" x 1/2"

beam #167 - 1" x 1/2"

beam #168 - 1" x 1/2"

beam #169 - 1" x 1/2"

beam #170 - 1" x 1/2"

beam #171 - 1" x 1/2"

beam #172 - 1" x 1/2"

beam #173 - 1" x 1/2"

beam #174 - 1" x 1/2"

beam #175 - 1" x 1/2"

beam #176 - 1" x 1/2"

beam #177 - 1" x 1/2"

beam #178 - 1" x 1/2"

beam #179 - 1" x 1/2"

beam #180 - 1" x 1/2"

beam #181 - 1" x 1/2"

beam #182 - 1" x 1/2"

beam #183 - 1" x 1/2"

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beam #186 - 1" x 1/2"

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beam #189 - 1" x 1/2"

beam #190 - 1" x 1/2"

beam #191 - 1" x 1/2"

beam #192 - 1" x 1/2"

beam #193 - 1" x 1/2"

beam #194 - 1" x 1/2"

beam #195 - 1" x 1/2"

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beam #203 - 1" x 1/2"

beam #204 - 1" x 1/2"

beam #205 - 1" x 1/2"

beam #206 - 1" x 1/2"

beam #207 - 1" x 1/2"

beam #208 - 1" x 1/2"

beam #209 - 1" x 1/2"

beam #210 - 1" x 1/2"

beam #211 - 1" x 1/2"

beam #212 - 1" x 1/2"

beam #213 - 1" x 1/2"

beam #214 - 1" x 1/2"

beam #215 - 1" x 1/2"

beam #216 - 1" x 1/2"

beam #217 - 1" x 1/2"

beam #218 - 1" x 1/2"

beam #219 - 1" x 1/2"

beam #220 - 1" x 1/2"

beam #221 - 1" x 1/2"

beam #222 - 1" x 1/2"

beam #223 - 1" x 1/2"

beam #224 - 1" x 1/2"

beam #225 - 1" x 1/2"

beam #226 - 1" x 1/2"

beam #227 - 1" x 1/2"

beam #228 - 1" x 1/2"

beam #229 - 1" x 1/2"

beam #230 - 1" x 1/2"

beam #231 - 1" x 1/2"

beam #232 - 1" x 1/2"

beam #233 - 1" x 1/2"

beam #234 - 1" x 1/2"

beam #235 - 1" x 1/2"

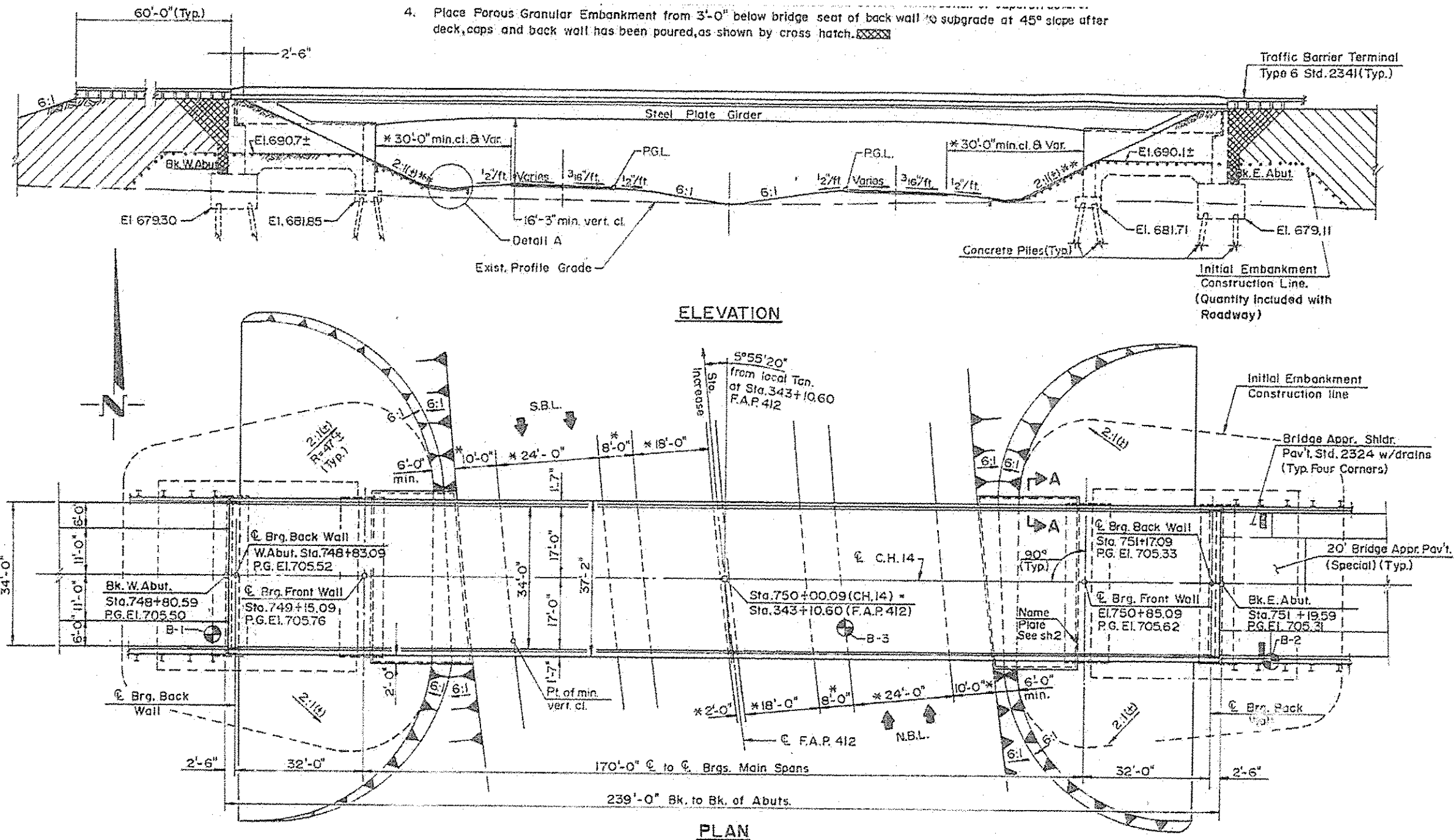
beam #236 - 1" x 1/2"

beam #237 - 1" x 1/2"

beam #238 - 1" x 1/2"

beam #239 - 1" x 1/2"

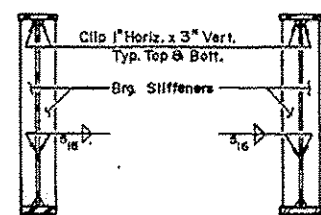
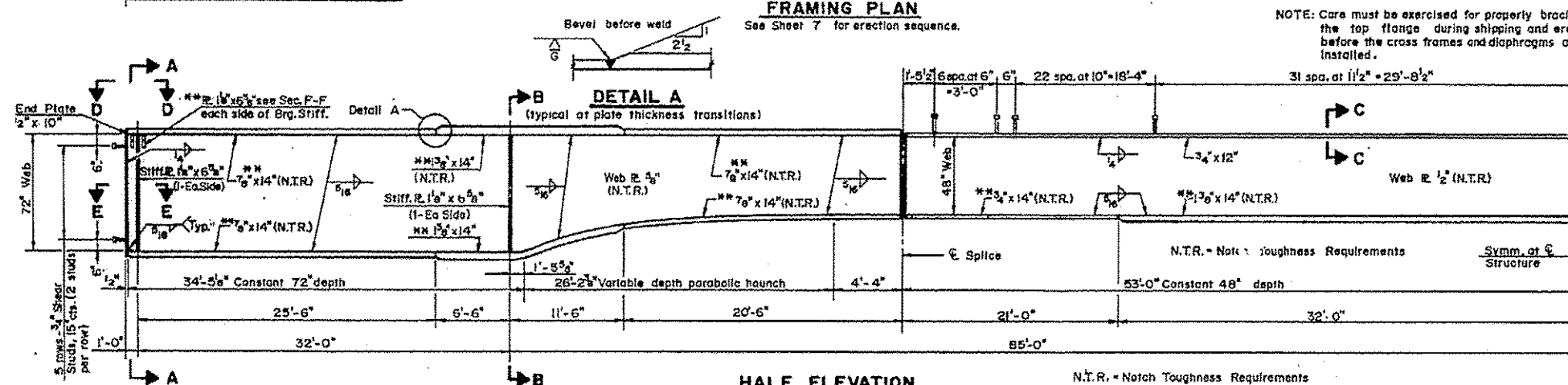
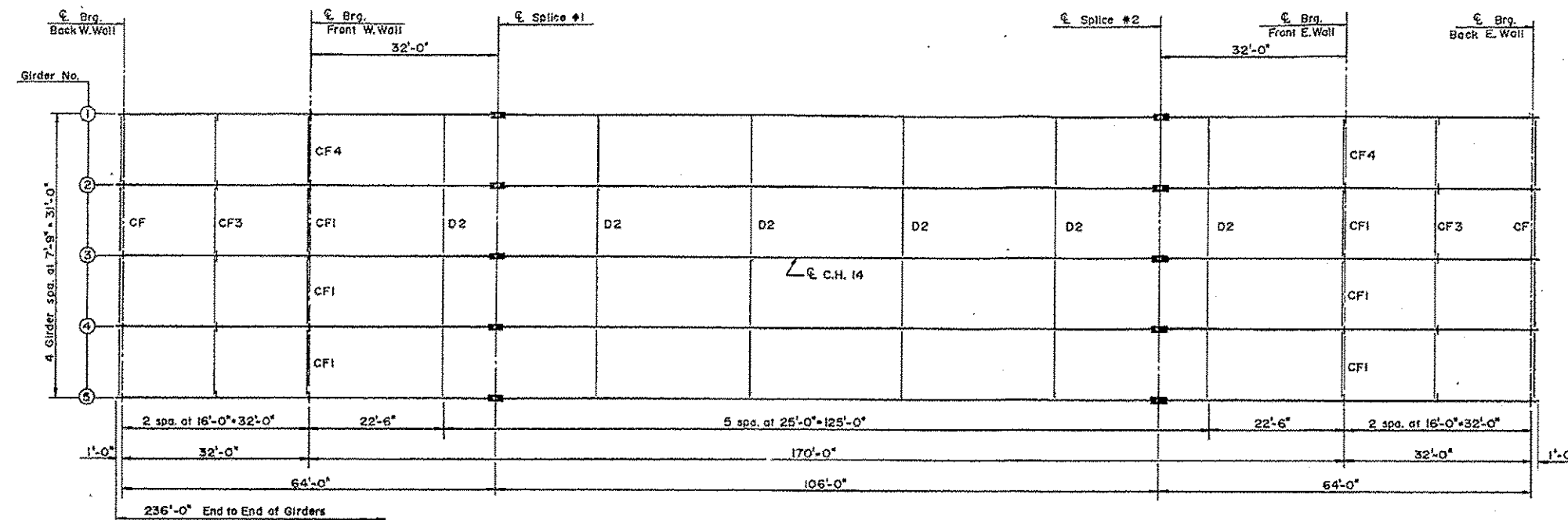
# INFORMATION ONLY FOR S.N. 062-0048



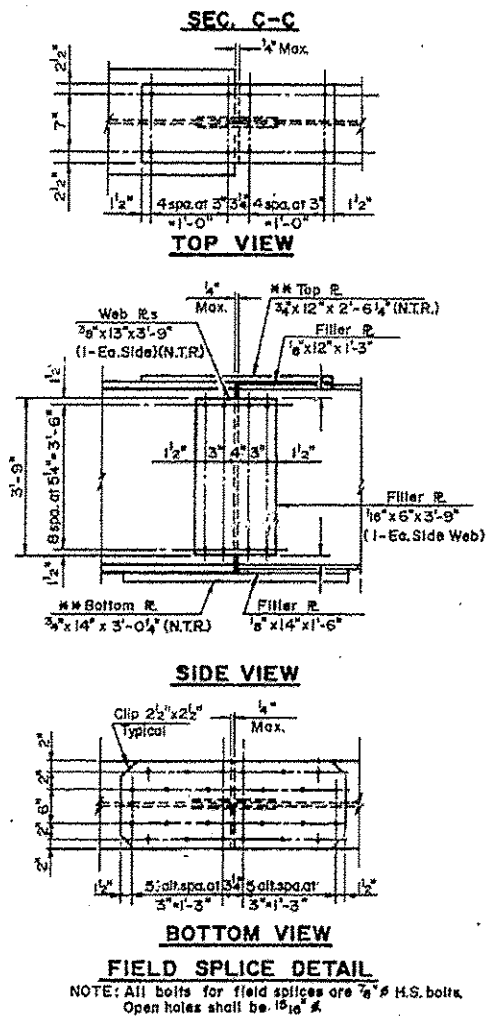
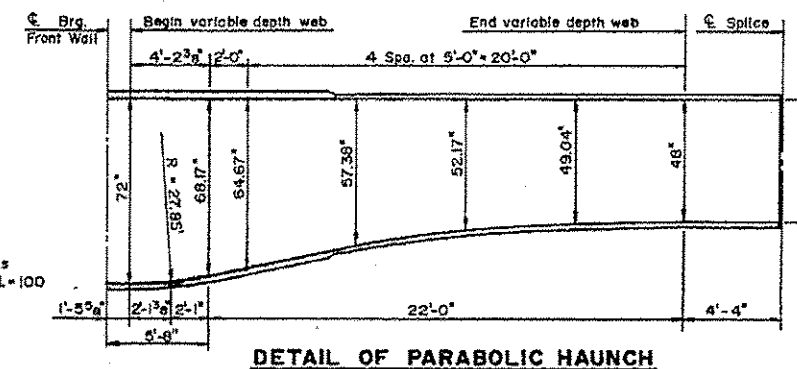
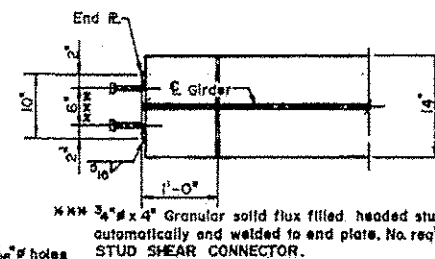
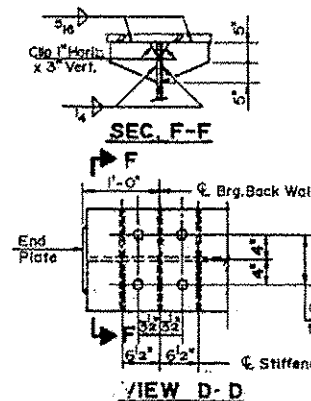
## LOCATION 6

|                                |                              |            |           |                                                   |            |                           |                         |                       |        |              |           |
|--------------------------------|------------------------------|------------|-----------|---------------------------------------------------|------------|---------------------------|-------------------------|-----------------------|--------|--------------|-----------|
| FILE NAME :                    | USER NAME : kaidbr           | DESIGNED ~ | REVISED ~ | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | LOCATION 6 | F.A. RTE.                 |                         | SECTION               | COUNTY | TOTAL SHEETS | SHEET NO. |
| 68887 Bridge Painting 2015.dgn |                              | DRAWN ~    | REVISED ~ |                                                   |            | VAR                       | 04 BRIDGE PAINTING 2015 | CONTRACT NO. & SERIAL | 21     | 15           |           |
| Default                        | PLOT SCALE : 100.0000' / in. | CHECKED ~  | REVISED ~ |                                                   |            |                           |                         |                       |        |              |           |
|                                | PLOT DATE : 3/23/2015        | DATE ~     | REVISED ~ |                                                   |            |                           |                         |                       |        |              |           |
| SCALE:                         |                              |            |           |                                                   |            | SHEET                     | OF                      | SHEETS                | STA.   | TO STA.      |           |
|                                |                              |            |           |                                                   |            | ILLINOIS FED. AID PROJECT |                         |                       |        |              |           |
|                                |                              |            |           |                                                   |            | CONTRACT NO. 68887        |                         |                       |        |              |           |

# INFORMATION ONLY FOR S.N. 062-0048

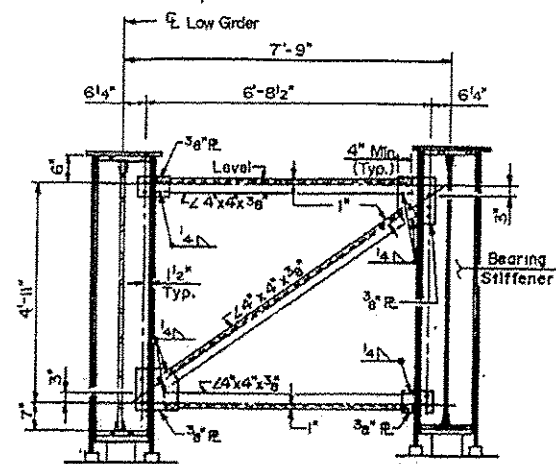


**SEC. B-B**



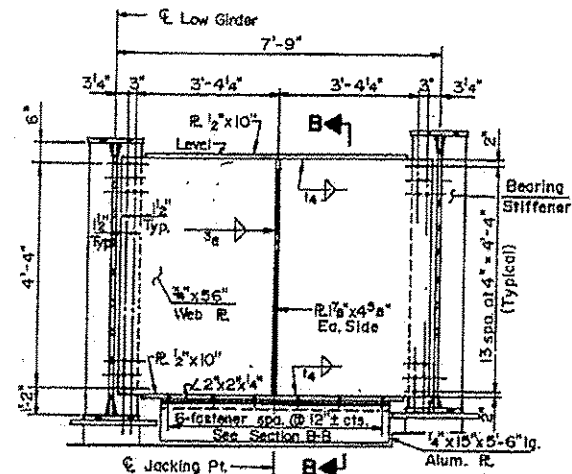
## LOCATION 6

|                                            |                       |            |           |                                                   |            |           |                         |             |              |                    |
|--------------------------------------------|-----------------------|------------|-----------|---------------------------------------------------|------------|-----------|-------------------------|-------------|--------------|--------------------|
| FILE NAME : 68887 Bridge Painting 2015.dgn | USER NAME : kerrbr    | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | LOCATION 6 | F.A. RTE. | SECTION                 | COUNTY      | TOTAL SHEETS | SHEET NO.          |
| PLOT SCALE : 1/8" = 1'-0"                  | PLOT DATE : 3/23/2015 | DRAWN -    | REVISED - |                                                   |            | VAR       | 04 BRIDGE PAINTING 2015 | ILLINOIS    | 21           | 16                 |
| DATE -                                     | DATE -                | CHECKED -  | REVISED - |                                                   |            | SCALE:    | SHEET OF                | SHEETS STA. | TO STA.      | CONTRACT NO. 68887 |
| DATE -                                     | DATE -                | CHECKED -  | REVISED - |                                                   |            | ILLINOIS  | FED. AID PROJECT        |             |              |                    |



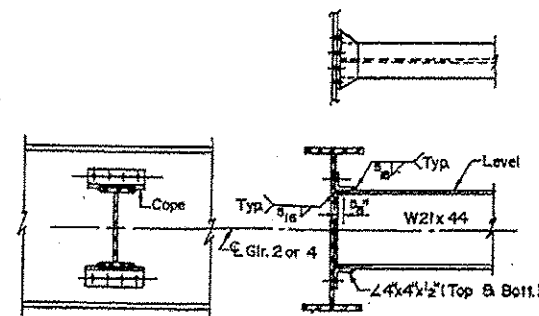
END CROSS FRAME - CF

No. Req'd. = 8  
End Cross Frame may be removed after backwall is in place.



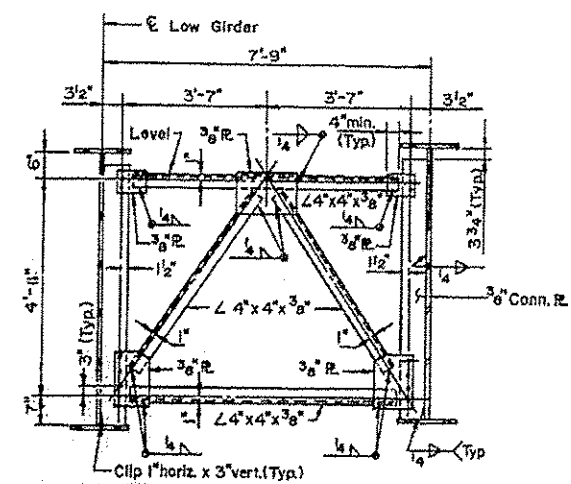
INTERIOR CROSS FRAME - CF1

No. Req'd. = 6



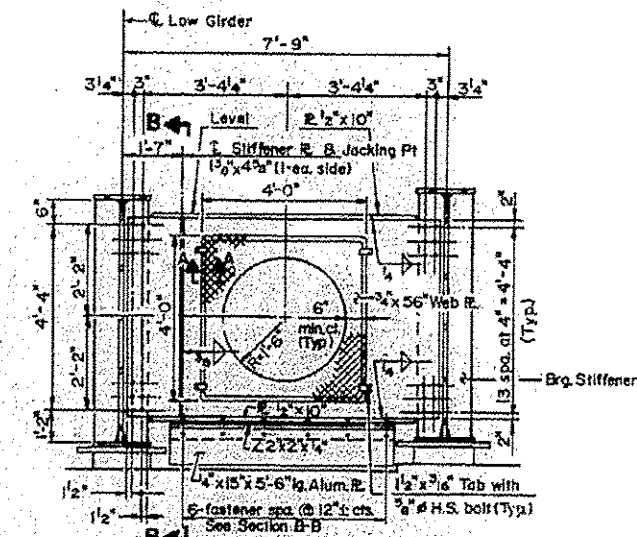
INTERIOR DIAPHRAGM - D2

No. Req'd. = 24



INTERIOR CROSS FRAME - CF3

CF3 No. Req'd. = 8



INTERIOR CROSS FRAME - CF4

No. Req'd. = 2

TOP OF WEB ELEVATION  
(For Fabrication Only)

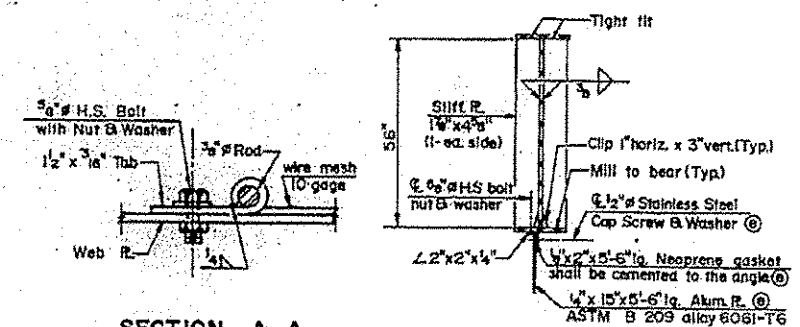
| GIRDER | E. Brg. Back Wall at W. Abut. | E. Brg. Front Wall at W. Abut. | E. Splice #1 | E. Splice #2 | E. Brg. Front Wall at E. Abut. | E. Brg. Back Wall at E. Abut. |
|--------|-------------------------------|--------------------------------|--------------|--------------|--------------------------------|-------------------------------|
| 1 B.5  | 704.27                        | 704.61                         | 704.94       | 704.85       | 704.47                         | 704.08                        |
| 2 B.4  | 704.41                        | 704.75                         | 705.08       | 704.99       | 704.61                         | 704.22                        |
| 3      | 704.53                        | 704.87                         | 705.20       | 705.11       | 704.73                         | 704.34                        |

\* Elevations at splices have been adjusted for camber.

REACTION  
INTERIOR GIRDER

|                       | E. Brg. Back Wall | E. Brg. Front Wall |
|-----------------------|-------------------|--------------------|
| R 1 (K)               | -75.8             | 229.9              |
| R 2 (K)               | -41.5             | 102.7              |
| Imp (K)               | -7.0              | 18.5               |
| R Total (K)           | -124.3            | 351.1              |
| Max. Jacking Load (K) |                   | 388                |

NOTE Bridge to be closed to all traffic when jacking for repairs.  
Live load not included in jacking load.  
Jack all girders simultaneously.



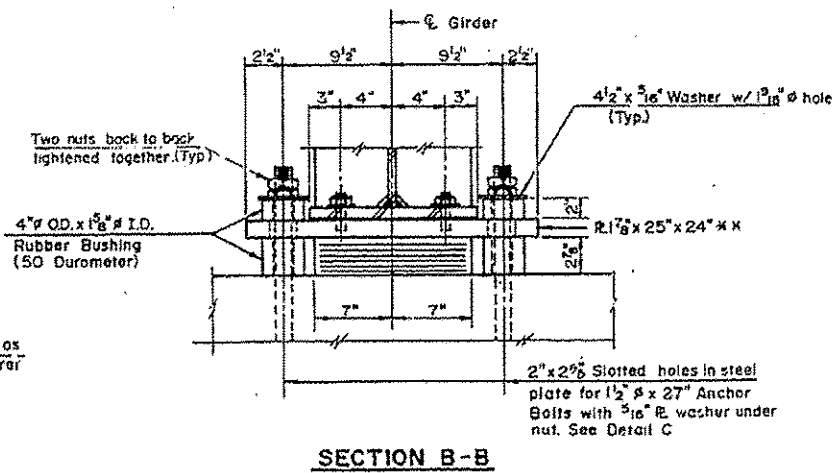
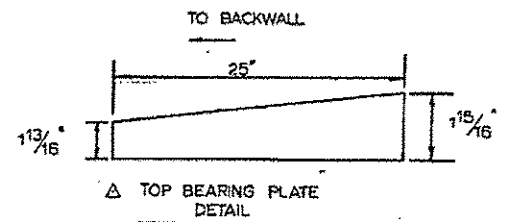
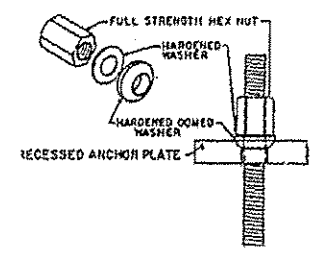
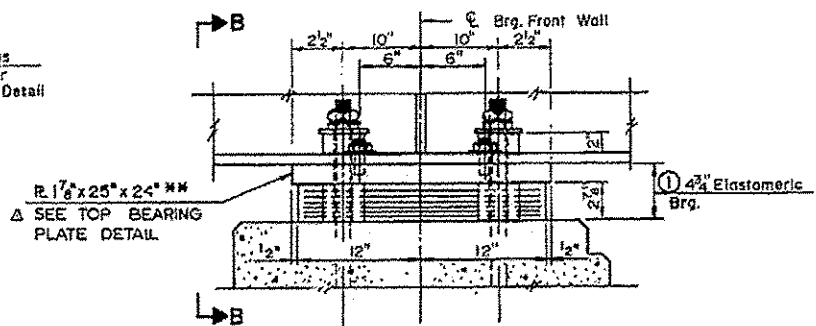
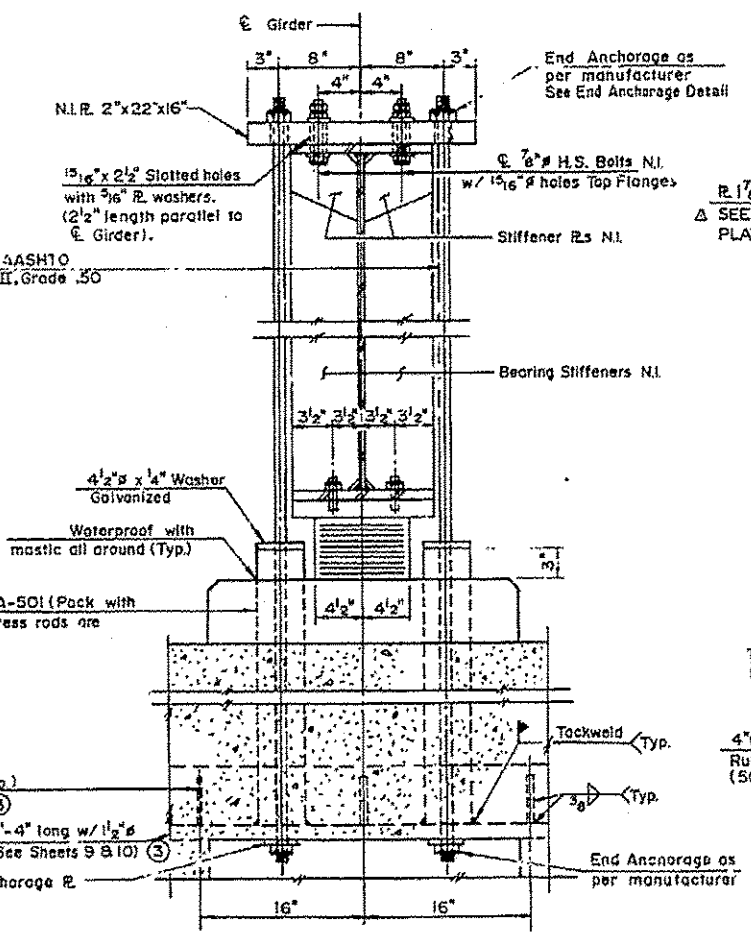
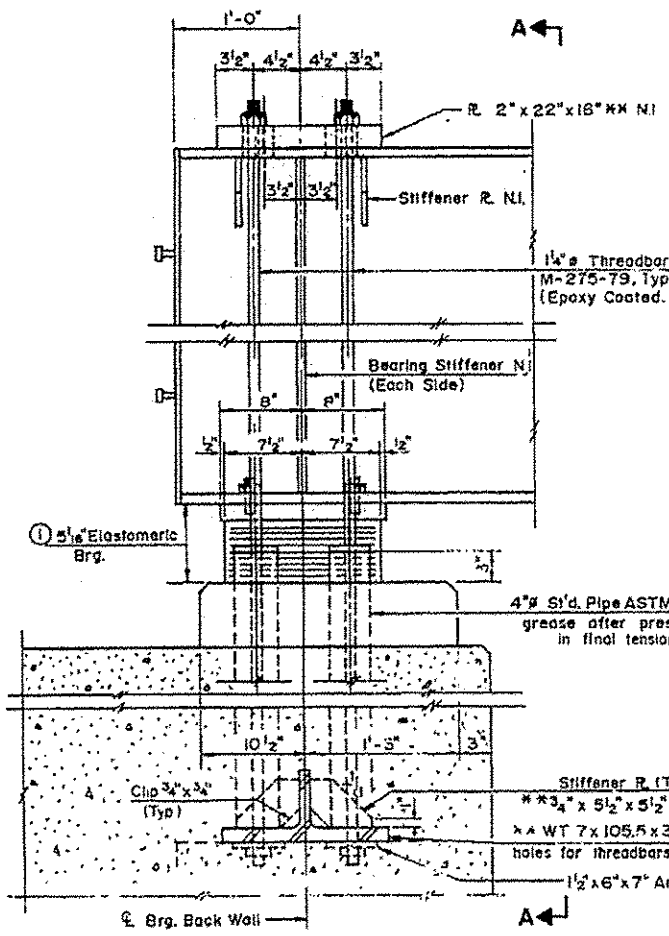
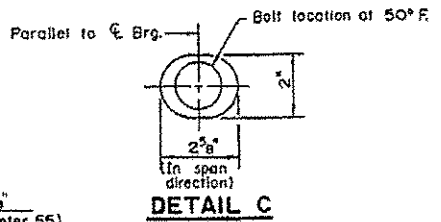
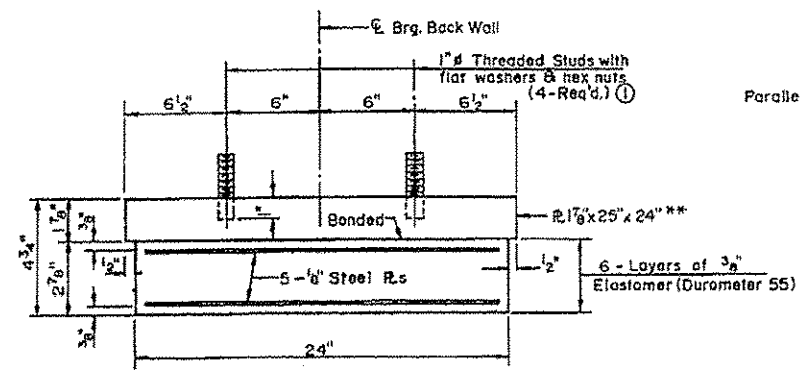
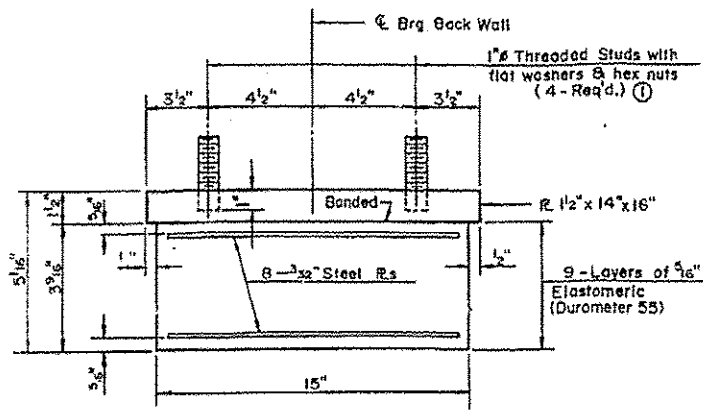
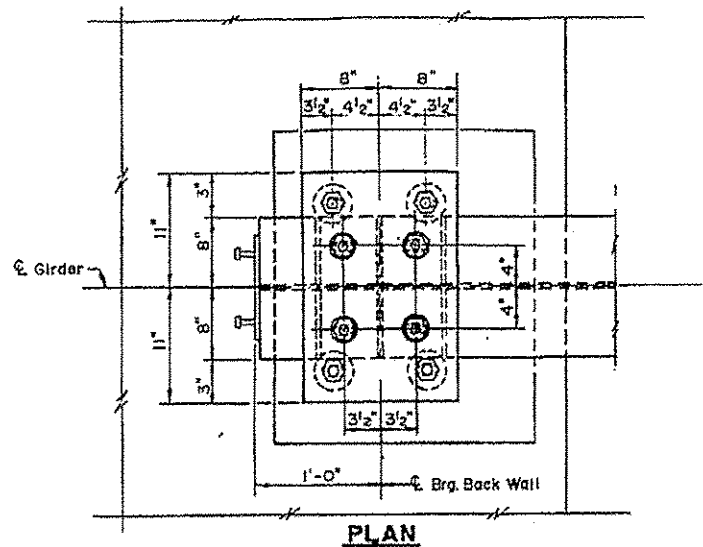
SECTION A-A

SECTION B-B

© Cost incidental to STRUCTURAL STEEL.

LOCATION 6

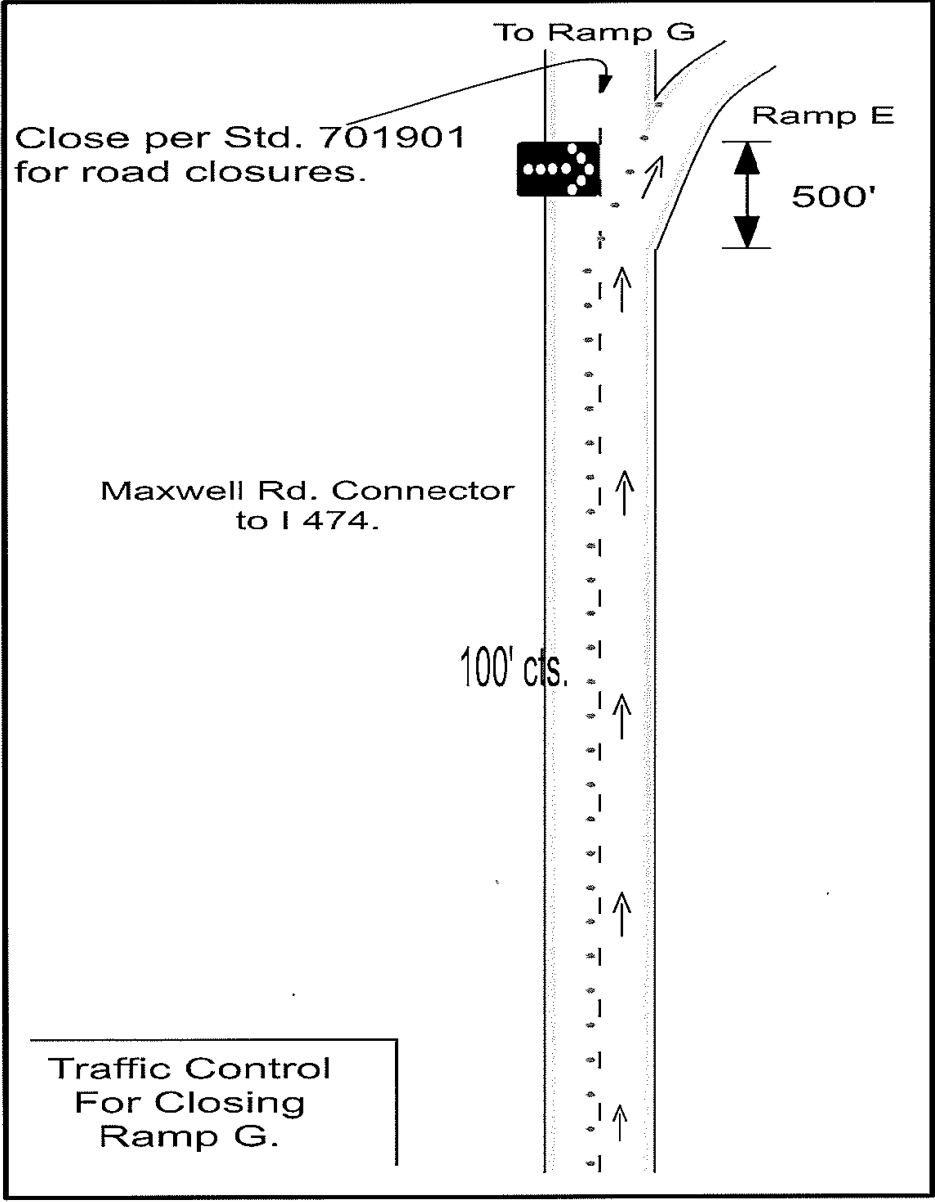
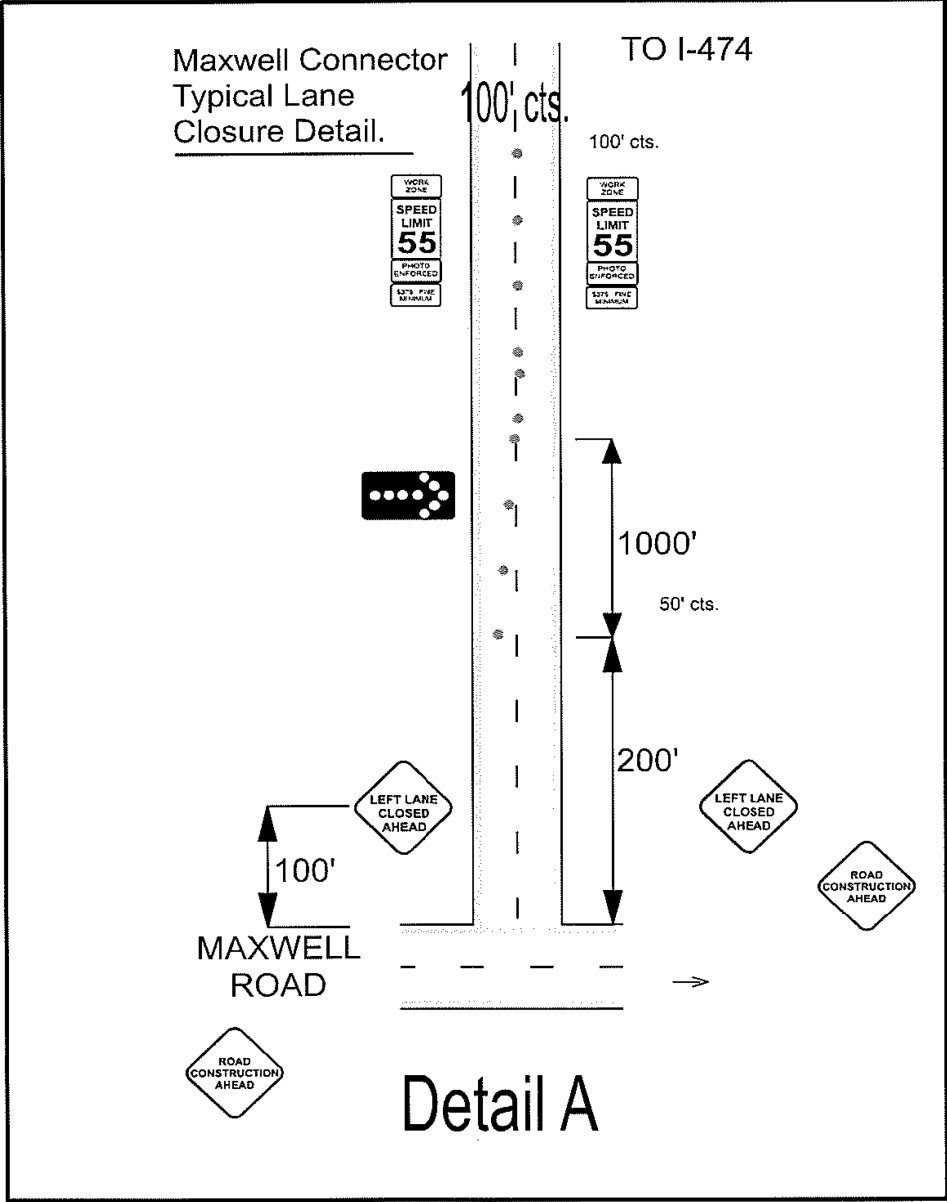
INFORMATION ONLY FOR S.N. 062-0048



LOCATION 6

|                                            |                       |            |           |                                                   |            |           |                         |                    |                 |
|--------------------------------------------|-----------------------|------------|-----------|---------------------------------------------------|------------|-----------|-------------------------|--------------------|-----------------|
| FILE NAME : 68887 Bridge Painting 2015.dgn | USER NAME : f.kalish  | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | LOCATION 6 | F.A. RTE. | SECTION                 | COUNTY             | TOTAL SHEET NO. |
| PLOT SCALE : 1/8" = 1'-0"                  | PLOT DATE : 3/23/2015 | DRAWN -    | REVISED - |                                                   |            | VAR       | D4 BRIDGE PAINTING 2015 | CONTRACT NO. 68887 | 21              |
| Default                                    |                       | CHECKED -  | REVISED - |                                                   |            | SCALE:    | SHEET OF SHEETS         | STA.               | TO STA.         |
|                                            |                       | DATE -     | REVISED - |                                                   |            |           |                         |                    |                 |

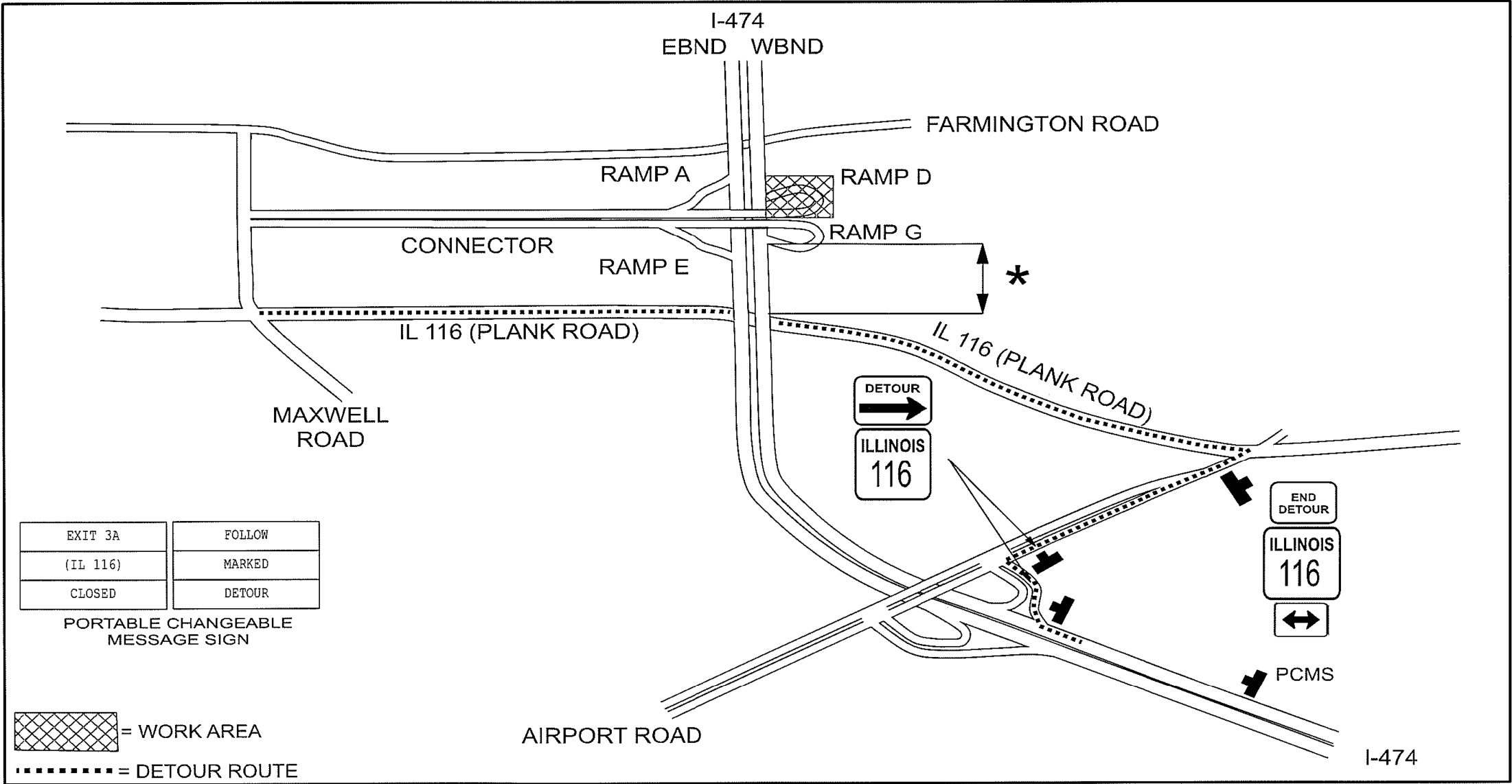
Traffic Control for Maxwell Connector for Detour



All SIGNS SHALL  
BE POST MOUNTED.

|                                |                     |            |           |                                                   |                                                                |  |  |  |                           |                         |                            |                 |              |
|--------------------------------|---------------------|------------|-----------|---------------------------------------------------|----------------------------------------------------------------|--|--|--|---------------------------|-------------------------|----------------------------|-----------------|--------------|
| FILE NAME :                    | USER NAME = keithbr | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | MAXWELL ROAD DETOUR TRAFFIC CONTROL PLAN<br>LOCATION 1,2 AND 3 |  |  |  | F.A.<br>RTE.              | SECTION                 | COUNTY                     | TOTAL<br>SHEETS | SHEET<br>NO. |
| 68B87 Bridge Painting 2015.dgn |                     | DRAWN -    | REVISED - |                                                   |                                                                |  |  |  | VAR                       | D4 BRIDGE PAINTING 2015 | PEORIA/FAIRBELL & HARRISON | 21              | 19           |
| Default                        |                     | CHECKED -  | REVISED - |                                                   | SCALE: SHEET OF SHEETS STA. TO STA.                            |  |  |  | CONTRACT NO. 68B87        |                         |                            |                 |              |
|                                |                     | DATE -     | REVISED - |                                                   |                                                                |  |  |  | ILLINOIS FED. AID PROJECT |                         |                            |                 |              |

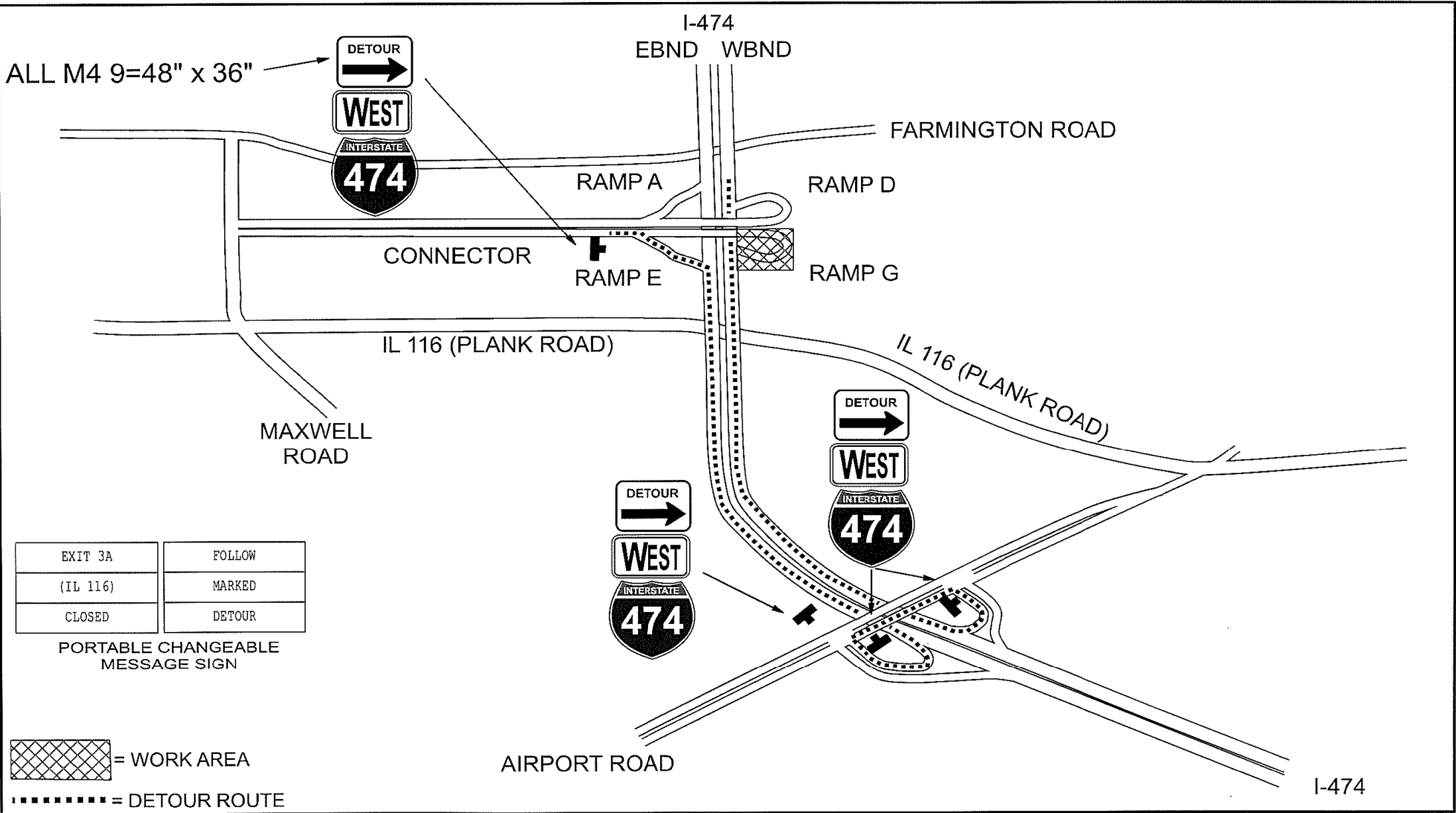
DETOUR RAMP D



NOTES:  
THIS DETOUR ROUTE SHALL COINCIDE WITH DETOUR RAMP G.  
SIGNS SHALL BE PLACED A MINIMUM OF 250' PRIOR TO TURNS.  
THIS DISTANCE SHALL BE 500' ON I-474. SIGNS MAY BE ADJUSTED  
IF THERE ARE CONFLICTS.

ALL M4 9=48" x 36"  
ALL SIGNS SHALL  
BE POST MOUNTED.  
SIGN E5-2A (O)-4836 SHALL  
BE PLACED IN MAINLINE WB  
474 CLOSURE.

DETOUR RAMP G



NOTES:  
THIS DETOUR ROUTES SHALL COINCIDE WITH DETOUR RAMP D.  
SIGNS SHALL BE PLACED A MINIMUM OF 250' PRIOR TO TURNS.  
THIS DISTANCE SHALL BE 500' ON I-474. SIGNS MAY BE ADJUSTED  
IF THERE ARE CONFLICTS.

All SIGNS SHALL  
BE POST MOUNTED.