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STANDARDS

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- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 4.5 m (15') AWAY
- 701006-03 OFF-ROAD OPERATIONS 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
- 701101-02 OFF-ROAD OPERATIONS MULTILANE, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5 m (15') AWAY
- 701301-03 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701501-05 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701901-01 TRAFFIC CONTROL DEVICES

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

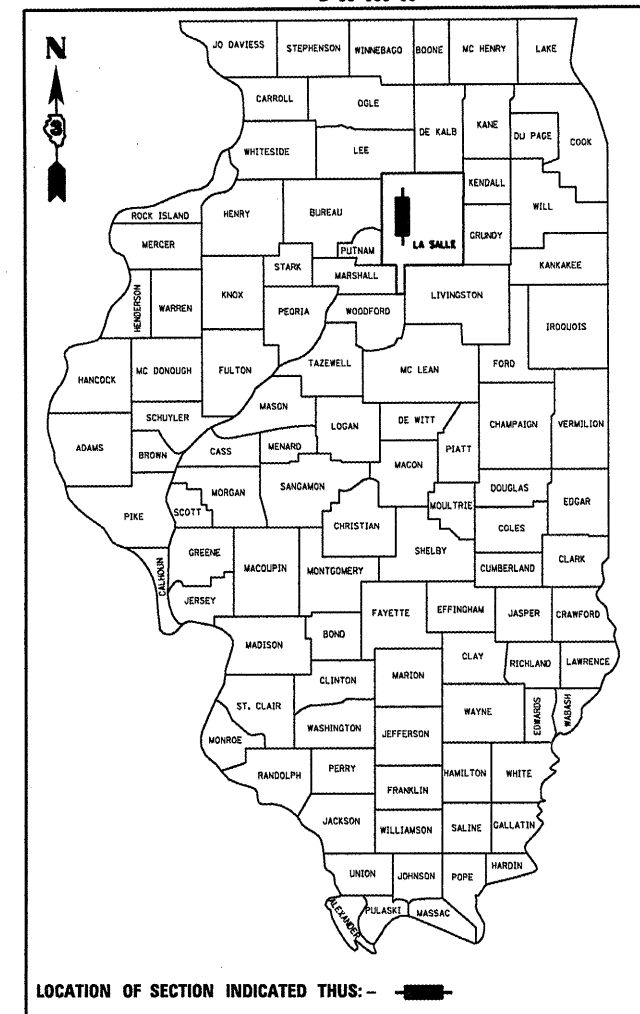
**PROPOSED
HIGHWAY PLANS**

**FAP ROUTE 46 (IL 251)
SECTION (1BD)BP
PROJECT F-0046 (026)
BRIDGE PAINTING
LASALLE COUNTY
C-93-138-08**

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|----------|----------|--------------------|-----------|
| 46 | (1-BD)BP | LASALLE | 38 | 1 |
| FED. ROAD DIST. NO. | | ILLINOIS | CONTRACT NO. 66854 | |

★ $\frac{+1}{39}$

D-93-088-08



LOCATION OF SECTION INDICATED THUS: - [shaded area] -

FUNCTIONAL CLASSIFICATION
URBAN - OTHER PRINCIPAL ARTERIAL
F.A.P. ROUTE 46 (IL 251)
2007 ADT = 12800
PV = 95.4% MU = 2.5% SU = 2.1%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 10/16 2008

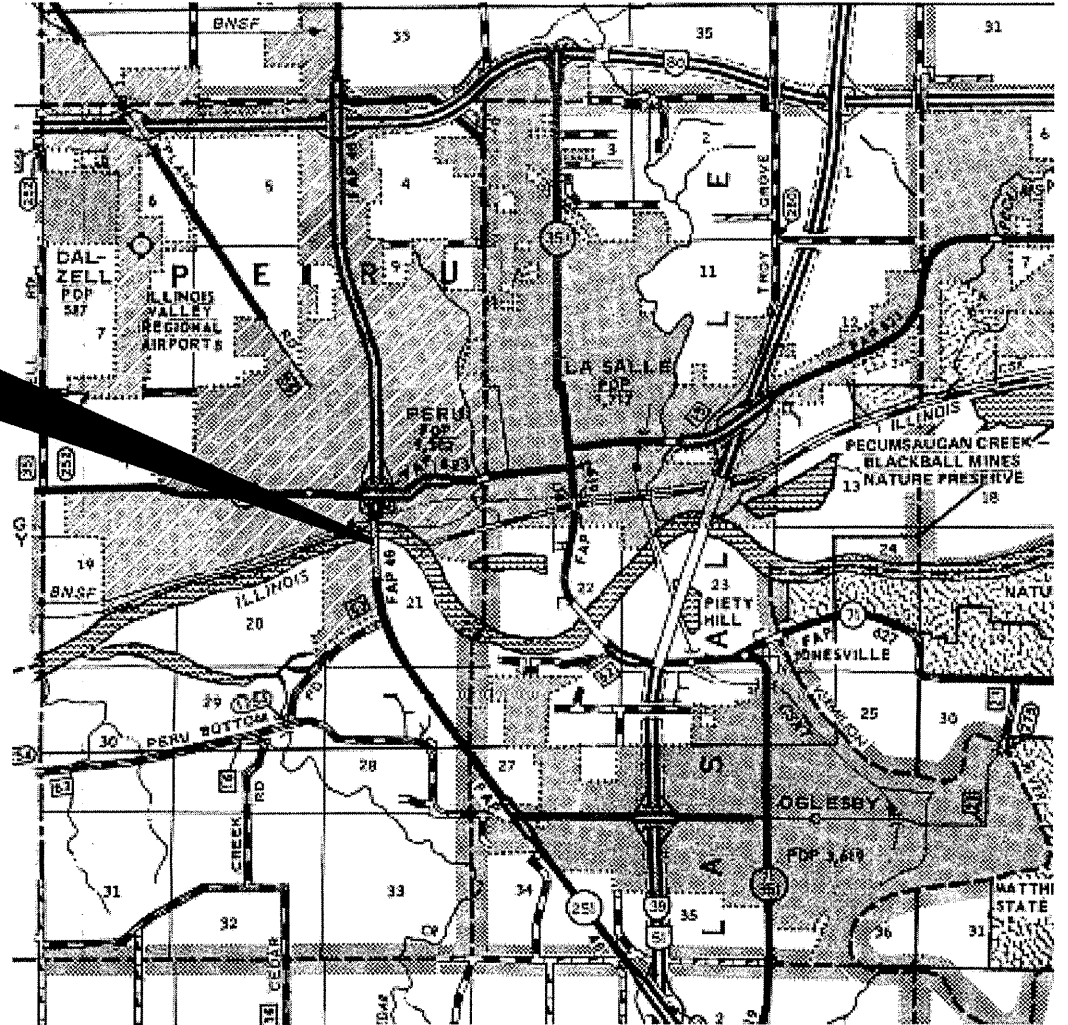
Serge F. Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 5, 2008
Eric E. Horn
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

December 5, 2008
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT LOCATION

**SN 050-0079
FAP RTE 46 (IL 251)
OVER THE ILLINOIS RIVER
0.1 MILE SOUTH OF US RTE 6 IN PERU**



**LOCATION MAP
NOT TO SCALE**

GROSS LENGTH = 2305 FT. = 0.44 MILE
NET LENGTH = 2305 FT. = 0.44 MILE

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

DISTRICT 3 NO. (815) 434-6131
PROJECT ENGINEER JOE KANNEL
UNIT CHIEF RON WOODSHANK

CONTRACT NO. 66854

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED BASED UPON THE UNIT BID FOR THE WORK.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE "JULIE" NUMBER IS 1-800-892-0123. A MINIMUM OF FORTY-EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

THE CONTRACTOR SHALL BE REQUIRED TO SECURE WASTE CONTAINERS THAT REMAIN ON THE JOB SITE. THIS WILL ENTAIL THAT ALL WASTE CONTAINERS CAN NOT BE MOVED OR OPENED DURING NON-WORKING HOURS.

WORKING DAYS SHALL BE CHARGED UNTIL THE CONTRACTOR/ SUBCONTRACTOR LICENSED TO DISPOSE OF LEAD PAINT RESIDUE HAS REMOVED THE WASTE MATERIAL FROM THE JOB SITE ACCORDING TO ALL FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES.

THE PAINTING CONTRACTOR SHALL POSSESS CURRENT SSPC-QP1 AND SSPC-QP2 CERTIFICATIONS AT THE TIME OF THE BID, AND SHALL MAINTAIN CERTIFIED STATUS THROUGHOUT THE DURATION OF THE PAINTING WORK UNDER THE CONTRACT.

THE CONTRACTOR SHALL PROVIDE A MINIMUM OF FOUR (4") AMBIENT AIR MONITORS FOR THIS PROJECT THAT SHALL BE USED ACCORDING TO THE SPECIAL PROVISION. FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES", AND AS DIRECTED BY THE ENGINEER.

DATE:

10-15-08

PREPARED BY:

R. Powell

DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY:

Herb J...

DISTRICT CONSTRUCTION ENGINEER

M. J. ...

DISTRICT MATERIALS ENGINEER

Bruce A. Heuck

DISTRICT OPERATIONS ENGINEER

| | | | |
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: SHEET NO. 1 OF 1 SHEETS

| | | | | |
|---|----------|---------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 46 | (1-BD)BP | LASALLE | 38 | 2 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |

SUMMARY OF QUANTITIES

CONSTRUCTION CODE:

URBAN
SFTY-2A

80%/20%
TOTAL
QUANTITY

| CODE NO. | ITEM | UNIT | 80%/20% TOTAL QUANTITY |
|------------|--|--------|------------------------|
| 50600300 | CLEANING AND PAINTING STEEL BRIDGE | L SUM | 1 |
| 50606400 | CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES | L SUM | 1 |
| 50606600 | CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES | L SUM | 1 |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 7 |
| 67100100 | MOBILIZATION | L SUM | 1 |
| 70106101 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501, LOCATION 1 | L SUM | 1 |
| 70106102 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501, LOCATION 2 | L SUM | 1 |
| 70106800 | CHANGEABLE MESSAGE SIGN | CAL MO | 7 |
| 70301000 | WORK ZONE PAVEMENT MARKING REMOVAL | SQ FT | 63 |
| * 78000400 | THERMOPLASTIC PAVEMENT MARKING - <i>LINE 6"</i> | FOOT | 125 |
| 78300100 | PAVEMENT MARKING REMOVAL | SQ FT | 63 |
| * X0324952 | DETOUR SIGNING | L SUM | 1 |
| X5067500 | BRIDGE CLEANING AND PAINTING WARRANTY | L SUM | 1 |
| X7013015 | TRAFFIC CONTROL FOR ROAD CLOSURE | L SUM | 1 |
| Z0048665 | RAILROAD PROTECTIVE LIABILITY INSURANCE | L SUM | 1 |

*SPECIALTY ITEM

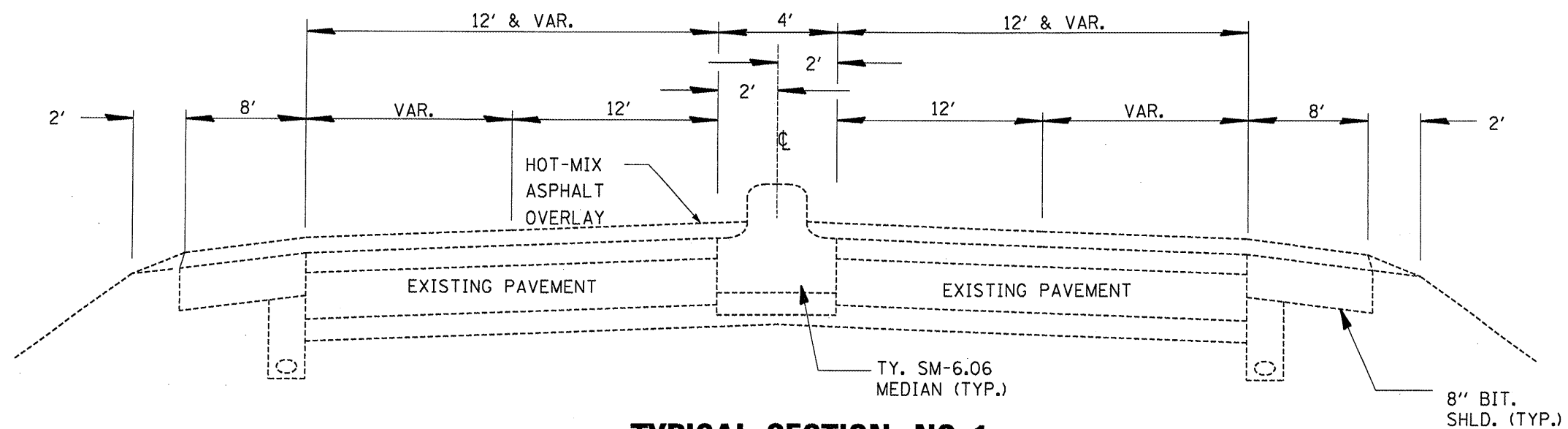
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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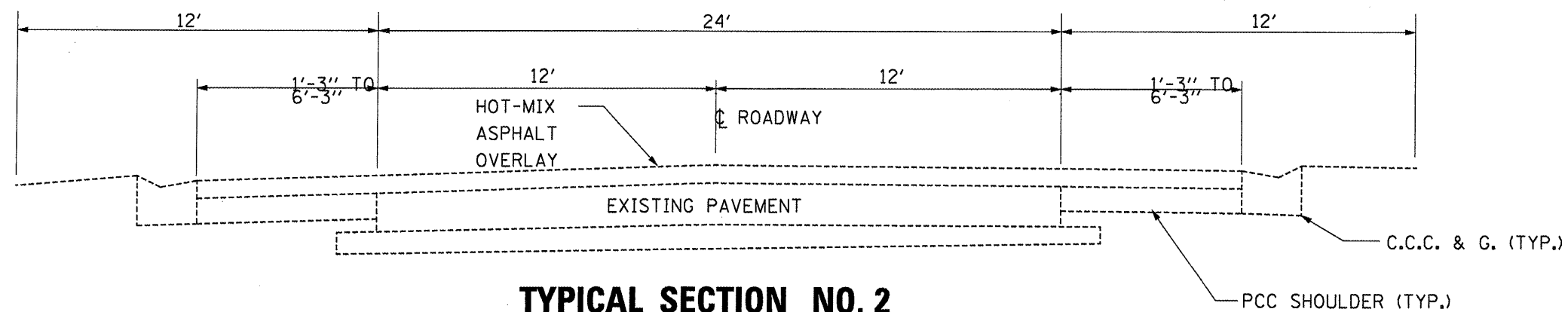
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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 46 | 11-BDIBP | LASALLE | 38 | 3 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | |
| | | | CONTRACT NO. 66854 | |



STA. 184+00 IS \dot{C} OF SHOOTING PARK ROAD

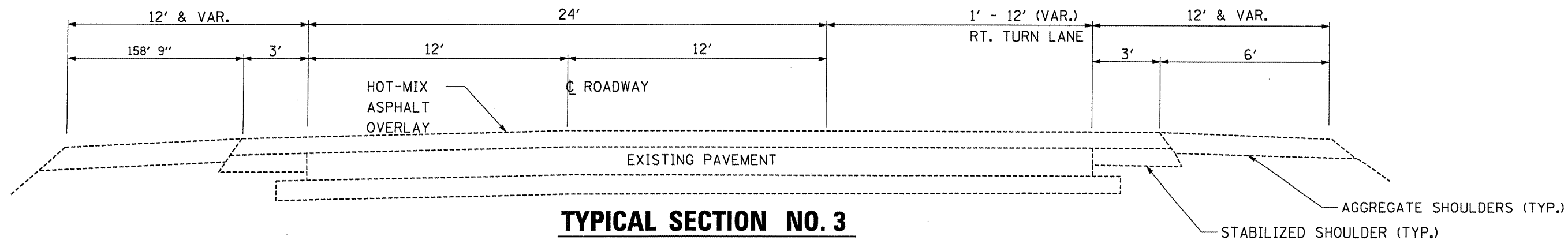
TYPICAL SECTION NO. 1

NORTH OF RIVER
STA. 184+00 TO STA. 193+00



TYPICAL SECTION NO. 2

SOUTH OF RIVER
STA. 207+00 TO 224+00



TYPICAL SECTION NO. 3

SOUTH OF RIVER
STA. 224+0 TO STA. 250+00


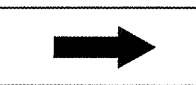


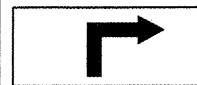
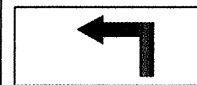
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: SHEET NO. 1 OF 2 SHEETS

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-----------|---------|--------------------|-----------|
| 46 | (1)-BDIBP | LASALLE | 38 | 4 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |

| SIGN NO. | DETOUR | END DETOUR | SOUTH | NORTH | ILLINOIS 251 | LEFT LANE |  |  |  |  |  |  |
|----------|----------------------|-----------------------|----------------------|----------------------|-------------------|-----------------------|---|---|---|---|---|---|
| | M4-8(0) 24" X 12" | M4-8a(0) 24" X 18" | M3-3(0) 24" X 12" | M3-1(0) 24" X 12" | M1-5 24" X 24" | R3-5b(0) 12" X 30" | M6-3(0) 21" X 15" | M6-1(0) 21" X 15" | M6-1(0) 21" X 15" | M5-2(0) 21" X 15" | M5-1R(0) 21" X 15" | M5-1L(0) 21" X 15" |
| 1 | X | | X | | X | X | | | | | | |
| 2 | X | | X | | X | X | | | | | | |
| 3 | X | | X | | X | | X | | | | | |
| 4 | X | | X | | X | | X | | | | | |
| 5 | X | | X | | X | | X | | | | | |
| 6 | X | | X | | X | | X | | | | | |
| 7 | X | | X | | X | | | | | | | X |
| 8 | X | | X | | X | | | | | | X | |
| 9 | X | | X | | X | | | | X | | | |
| 10 | X | | X | | X | | | X | | | | |
| 11 | X | | X | | X | | X | | | | | |
| 12 | X | | X | | X | | | | X | | | |
| 13 | X | | X | | X | | | | X | | | |
| 14 | | X | | | | | | | | | | |
| 15 | X | | | X | X | | | | | X | | |
| 16 | X | | | X | X | | | X | | | | |
| 17 | X | | | X | X | | X | | | | | |
| 18 | X | | | X | X | | | | X | | | |
| 19 | X | | | X | X | | | | X | | | |
| 20 | X | | | X | X | | | | | | | X |
| 21 | X | | | X | X | | | | | | X | |
| 22 | X | | | X | X | | X | | | | | |
| 23 | X | | | X | X | | | | X | | | |
| 24 | X | | | X | X | | | X | | | | |
| 25 | | X | | | | | | | | | | |
| TOTAL | 23 | 2 | 13 | 10 | 23 | 2 | 7 | 3 | 2 | 5 | 2 | 2 |

NOTE: WORK THIS SHEET WITH SHEET NO. 6 THRU 8

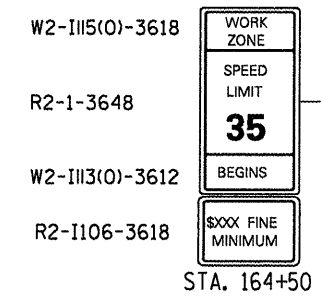
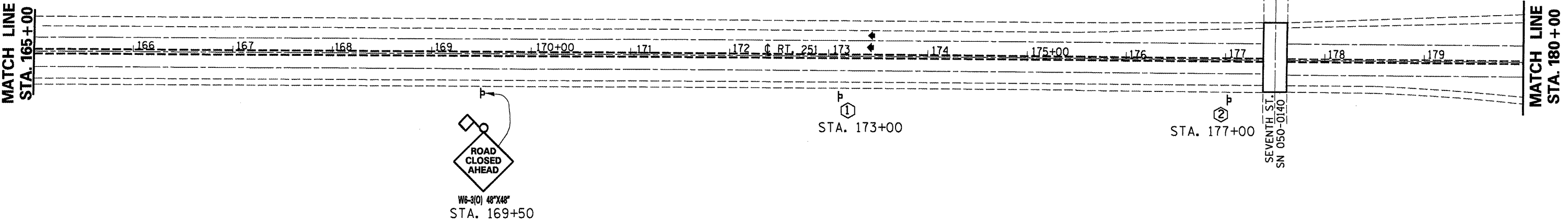
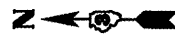
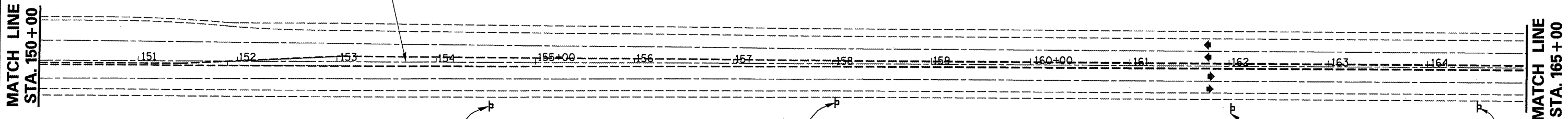
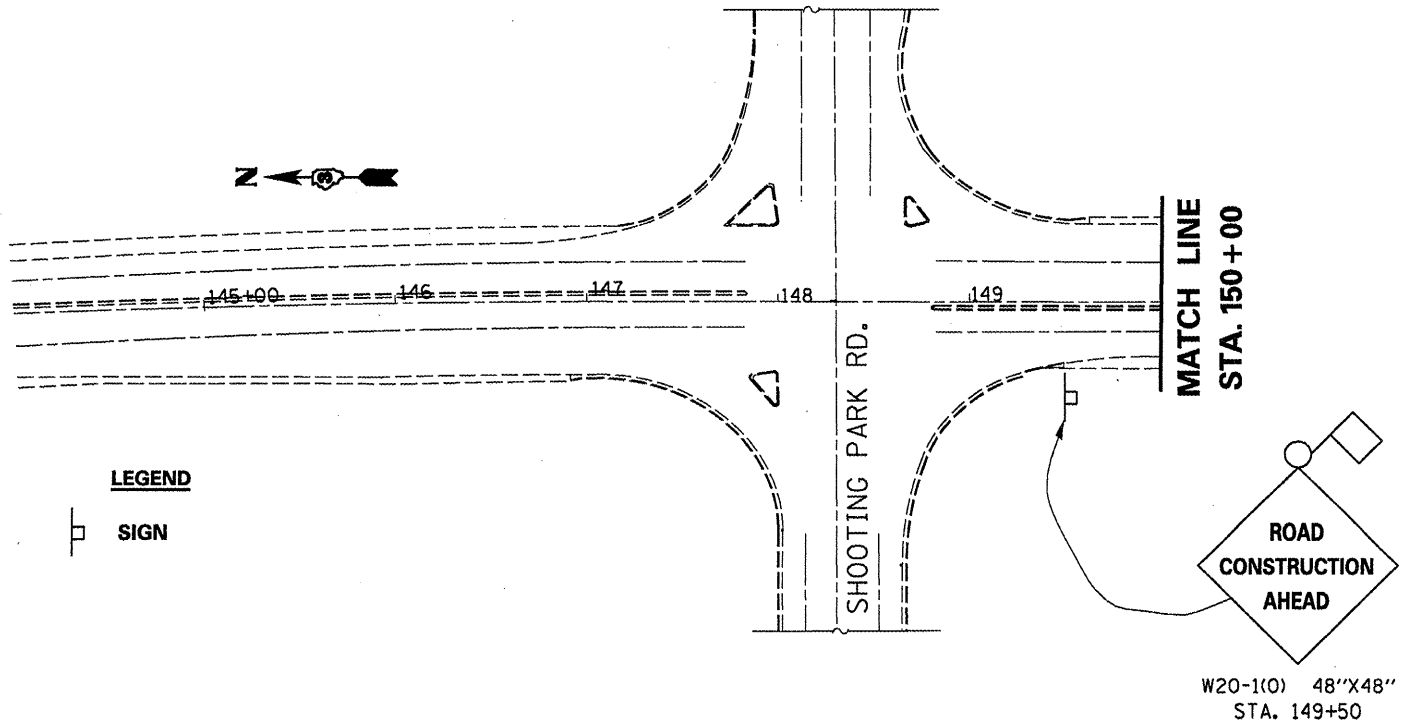
NOTE:

ALL SIGNS AND BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN.

EXACT LOCATIONS SHALL BE FIELD DETERMINED BY THE ENGINEER TO BEST FIT THE CURRENT CONDITIONS.

LEGEND

 SIGN

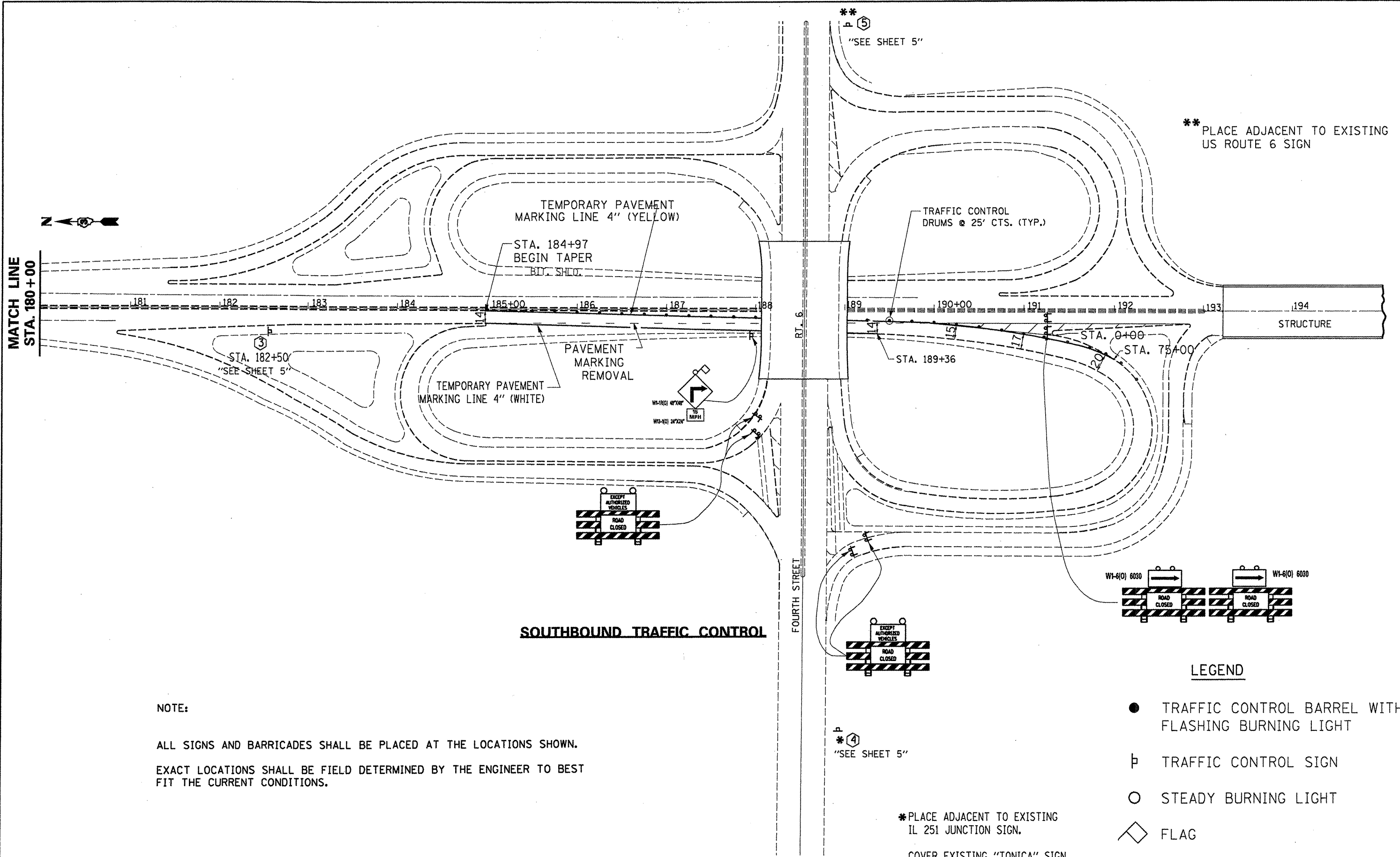


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS

| | | | | |
|---|----------|---------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 46 | (1-BD)BP | LASALLE | 38 | 6 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |



NOTE:

ALL SIGNS AND BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN.
 EXACT LOCATIONS SHALL BE FIELD DETERMINED BY THE ENGINEER TO BEST FIT THE CURRENT CONDITIONS.

LEGEND

- TRAFFIC CONTROL BARREL WITH FLASHING BURNING LIGHT
- ⊠ TRAFFIC CONTROL SIGN
- STEADY BURNING LIGHT
- ◇ FLAG

*PLACE ADJACENT TO EXISTING IL 251 JUNCTION SIGN.
 COVER EXISTING "TONICA" SIGN.

| | | | |
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
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

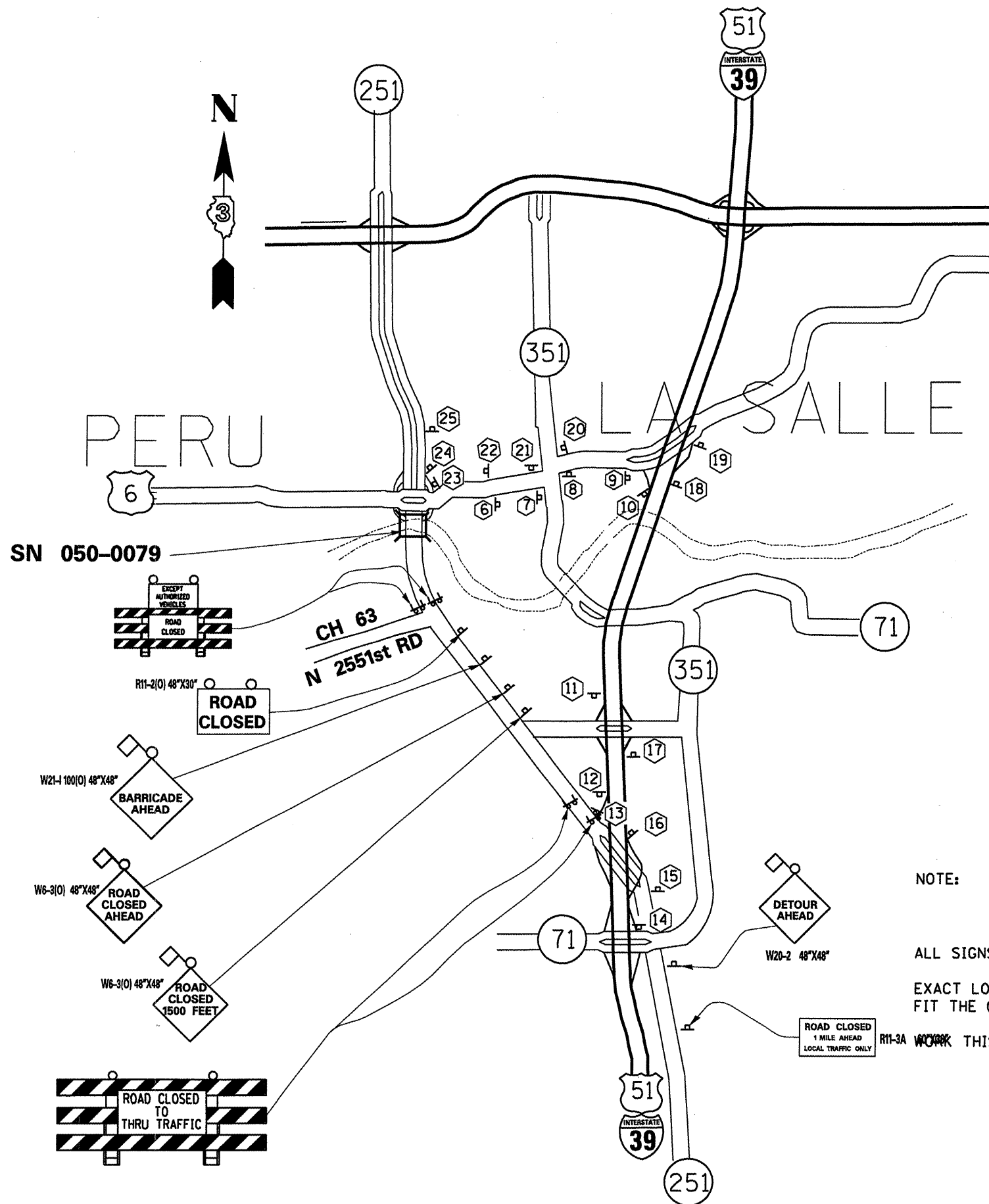
TRAFFIC CONTROL DETAILS

SCALE: _____ SHEET NO. 2 OF 3 SHEETS

| | | | | |
|---|-----------|---------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 46 | (1)-BDIBP | LASALLE | 38 | 7 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |

LEGEND

 SIGN



NOTE:

ALL SIGNS AND BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN. EXACT LOCATIONS SHALL BE FIELD DETERMINED BY THE ENGINEER TO BEST FIT THE CURRENT CONDITIONS.

ROAD CLOSED 1 MILE AHEAD LOCAL TRAFFIC ONLY R11-3A WORK THIS SHEET WITH SHEETS 5, 6 & 7

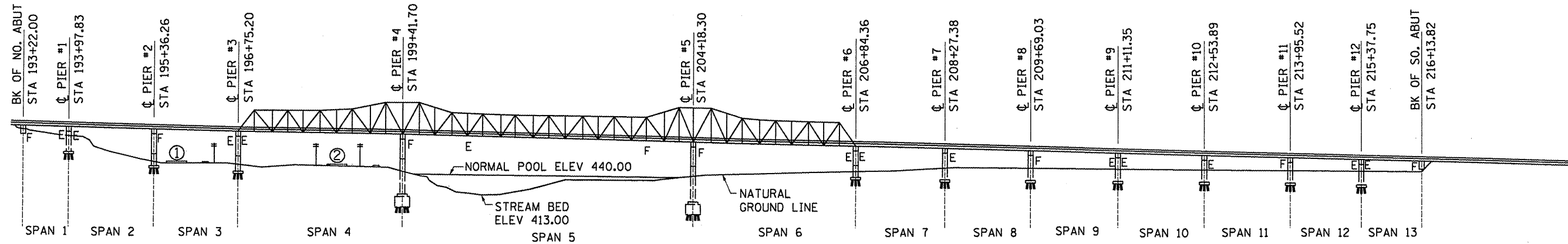
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL DETAILS

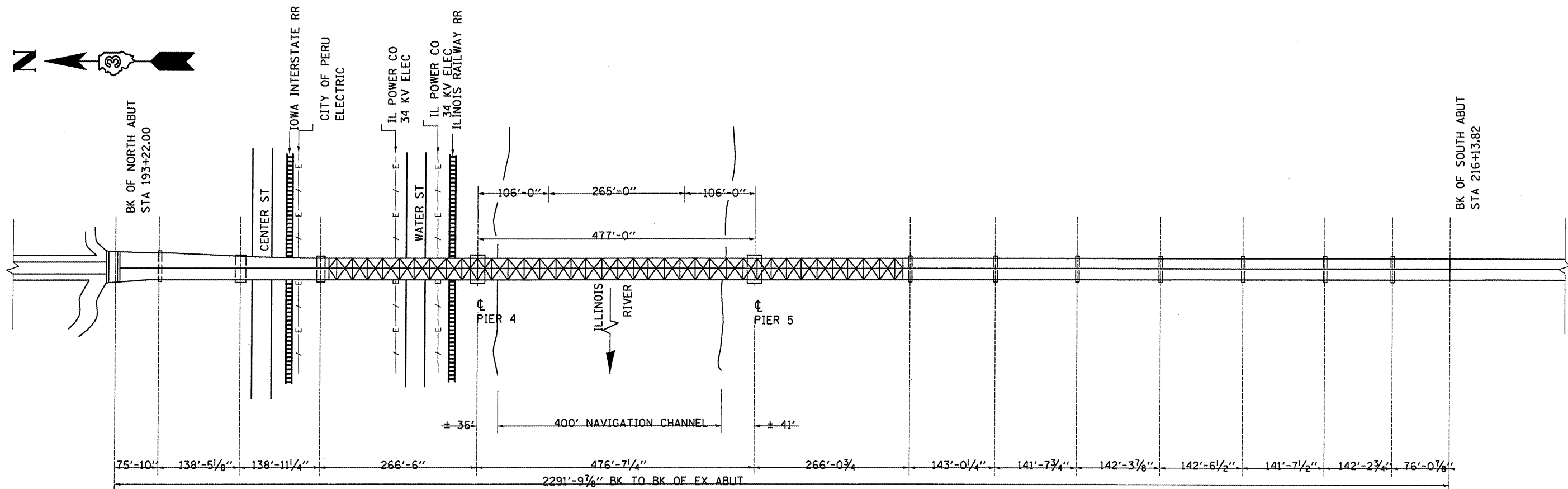
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| | | | | |
|---|----------|---------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 46 | (1-BD)BP | LASALLE | 38 | 8 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |

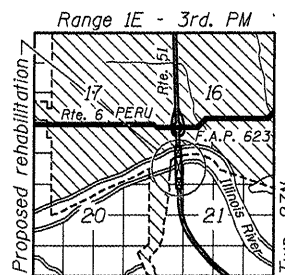


- ① ☉ CENTER ST. - LOCATION 1
- ② ☉ WATER ST. - LOCATION 2

ELEVATION



PLAN



LOCATION SKETCH

PLAN AND ELEVATION
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

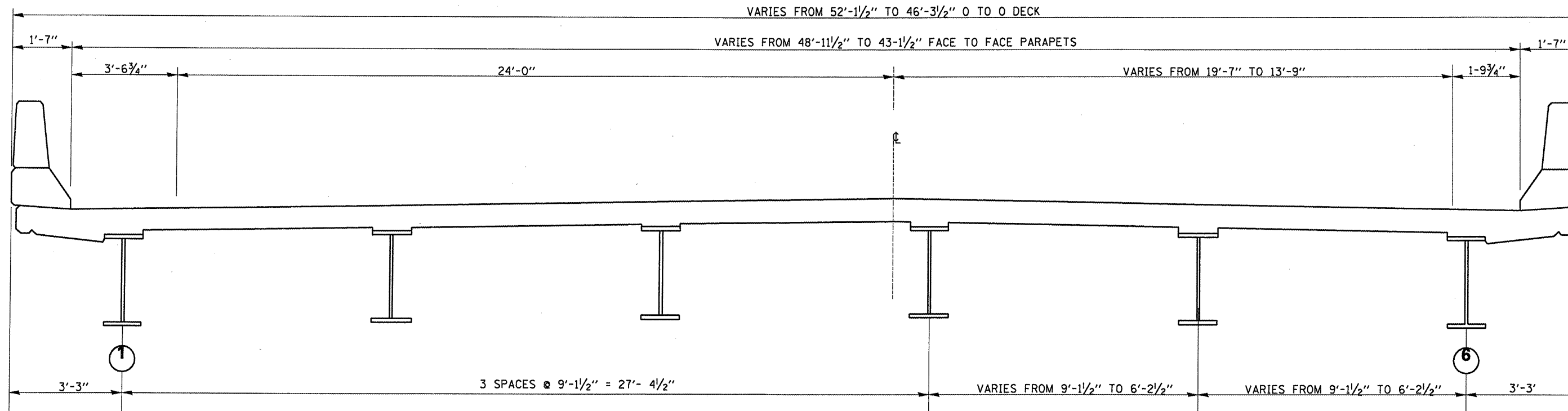
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY

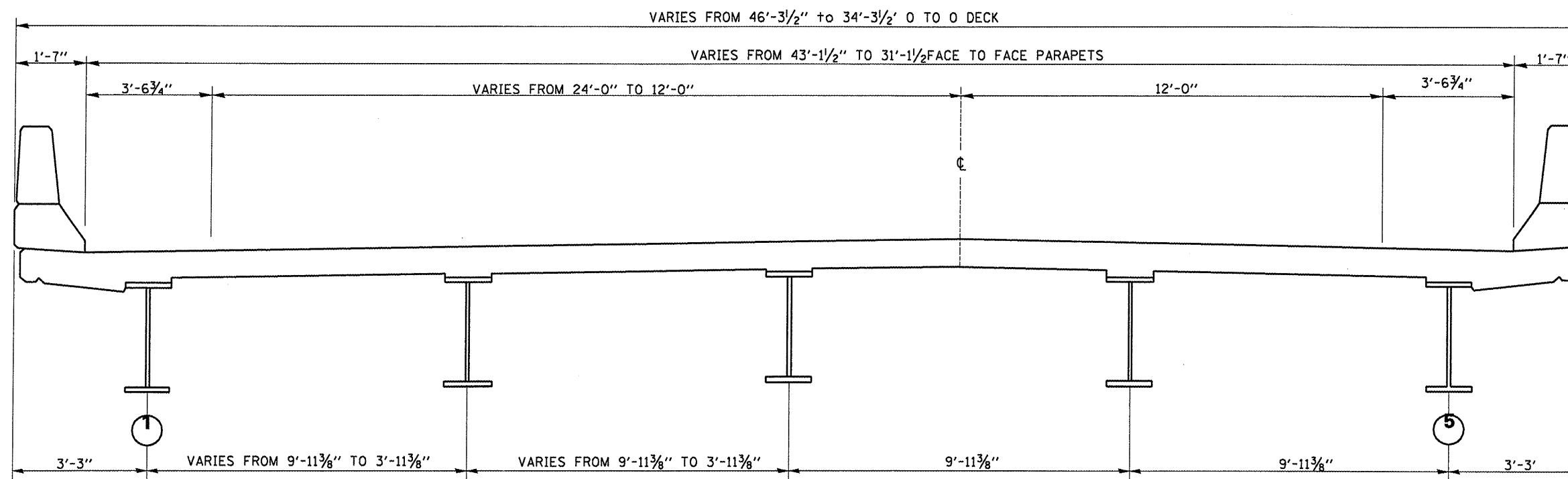
SCALE: _____ SHEET NO. 1 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|---------|--------------------|-----------|
| 46 | (1-BD)BP | LASALLE | 38 | 9 |
| FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT | | | CONTRACT NO. 66854 | |



CROSS SECTION - SPAN 1

(LOOKING SOUTH)



CROSS SECTION - SPAN 2 & 3

(LOOKING SOUTH)

**SUPERSTRUCTURE
CROSS SECTION
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079**

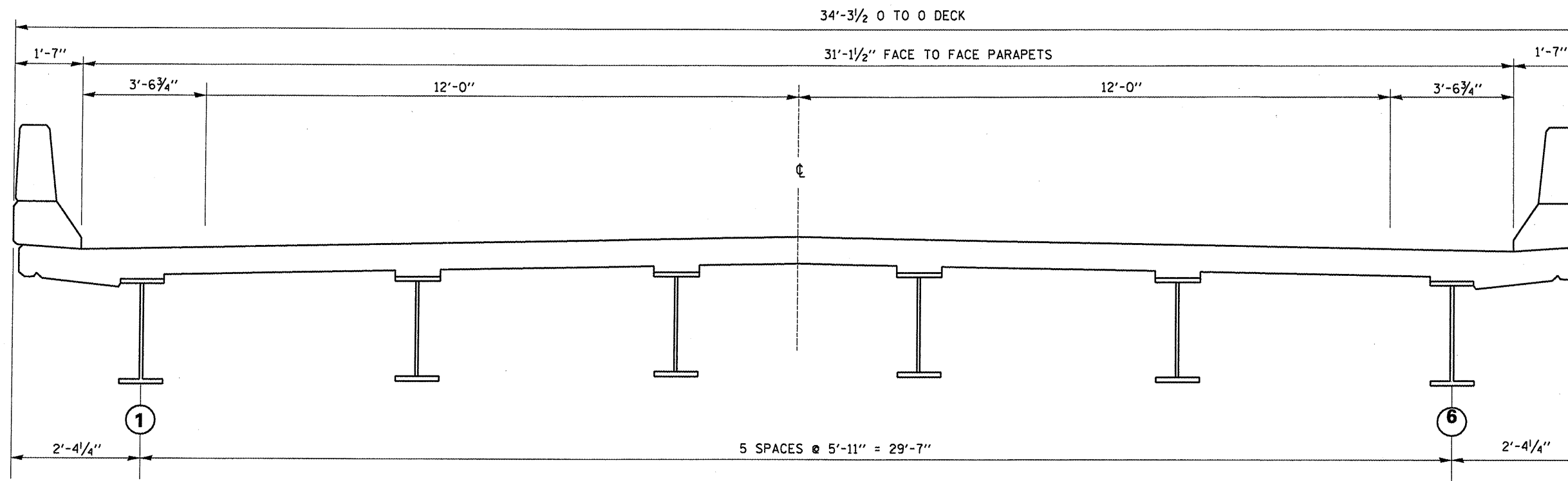
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

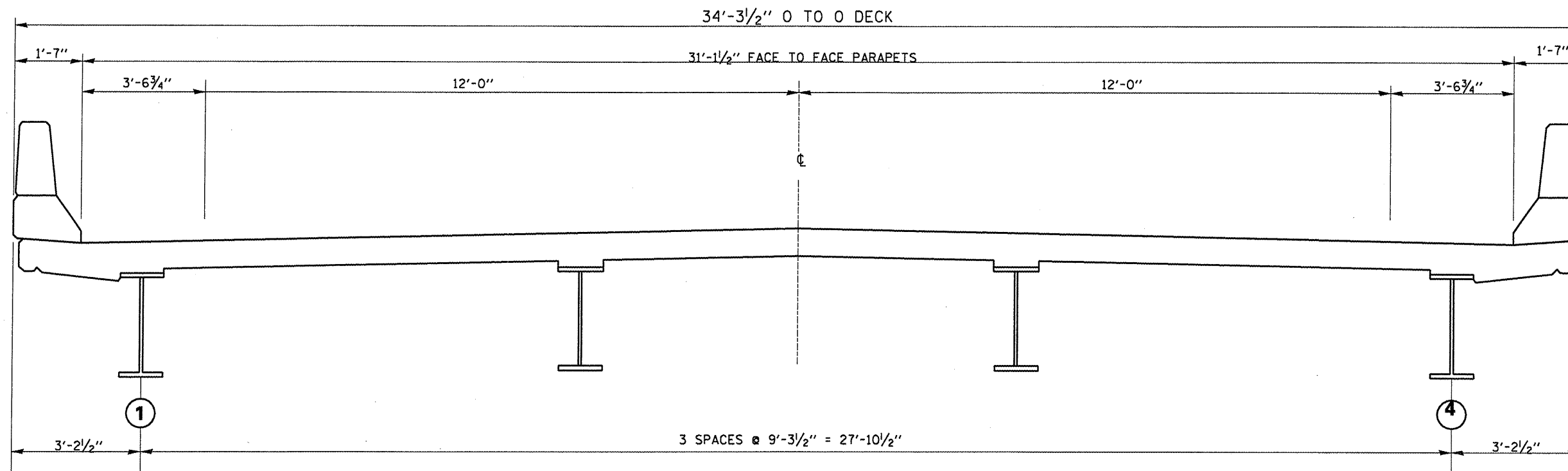
FOR INFORMATION ONLY

SCALE: SHEET NO. 2 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|---------|--------------------|-----------|
| 46 | (1-BD)BP | LASALLE | 38 | 10 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |



CROSS SECTION - SPAN 4 THRU 6
(LOOKING SOUTH)



CROSS SECTION - SPAN 7 THRU 13
(LOOKING SOUTH)

**SUPERSTRUCTURE
CROSS SECTION
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079**

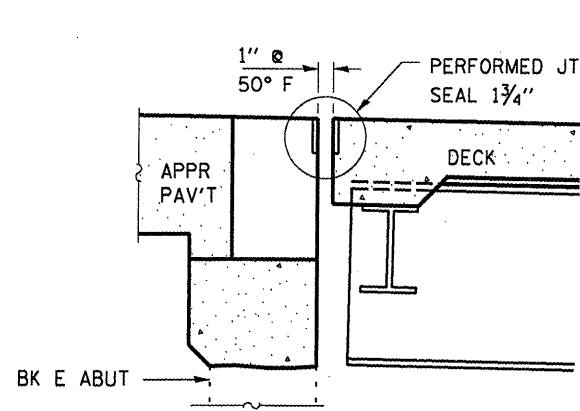
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| | PLOT DATE = Oct 15, 2008 - 07:05:41 AM | DATE = | REVISED = |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

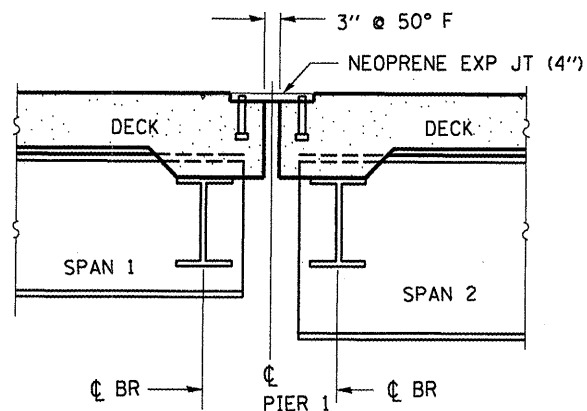
FOR INFORMATION ONLY

SCALE: SHEET NO. 3 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

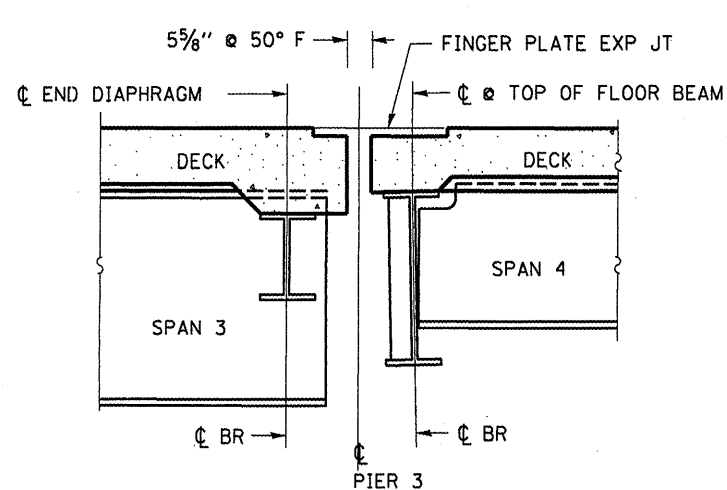
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------|---------|---|-----------|
| 46 | (1-BD)BP | LASALLE | 38 | 11 |
| CONTRACT NO. 66854 | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | |



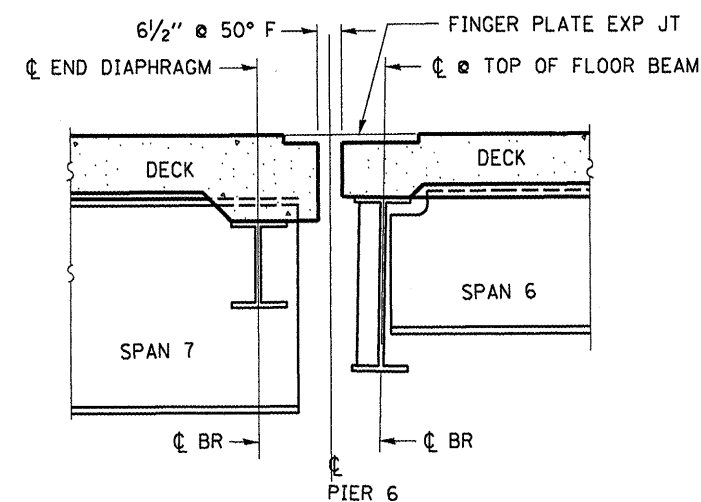
SECTION A-A
(SHOWING N ABUT)



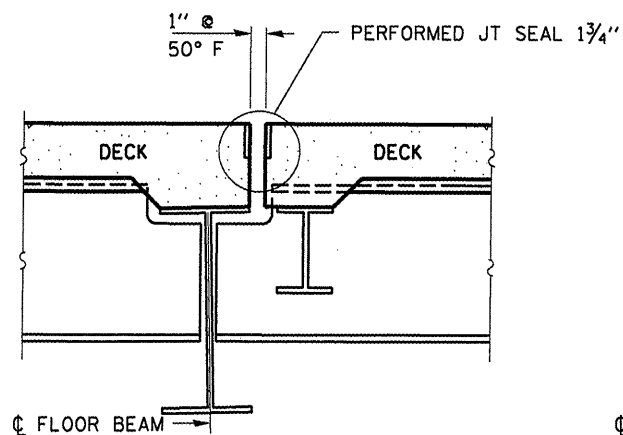
SECTION B-B



SECTION C-C

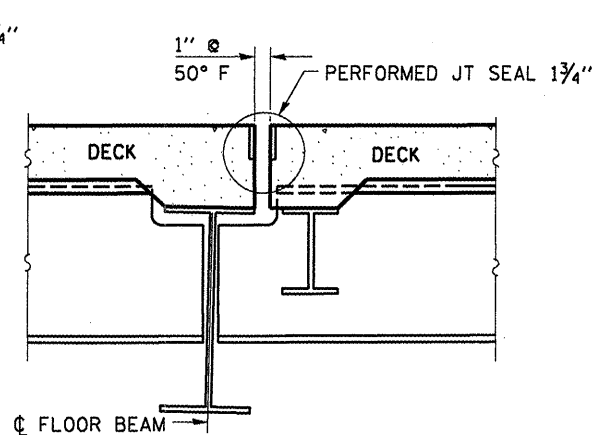


SECTION C'-C'



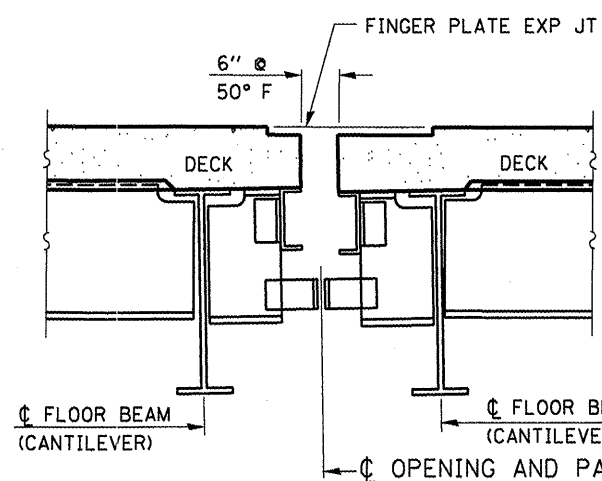
SECTION D-D

(TYP. DETAIL @ RELIEF JOINTS
LOCATION L₃, L₆, L₉, L₁₂, AND L₁₇)

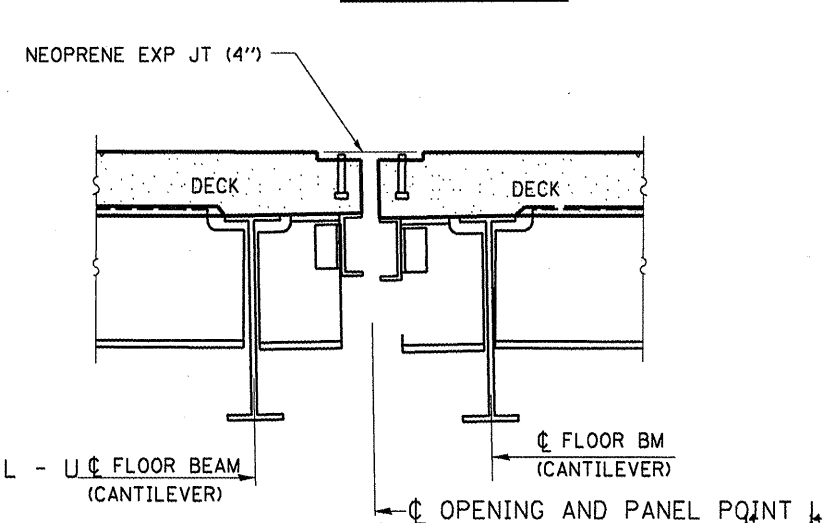


SECTION D'-D'

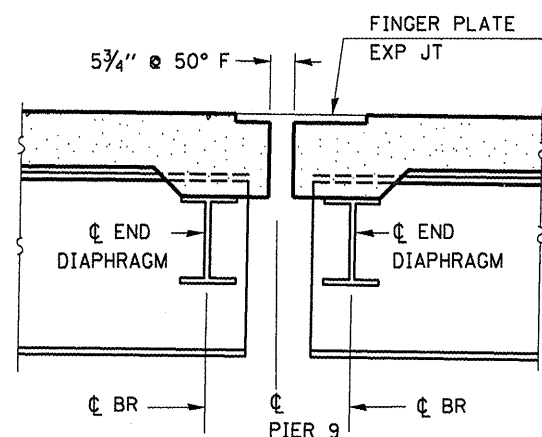
(TYP. DETAIL @ RELIEF JOINTS
LOCATION L₃, L₆, L₉, L₁₂, AND L₁₇)



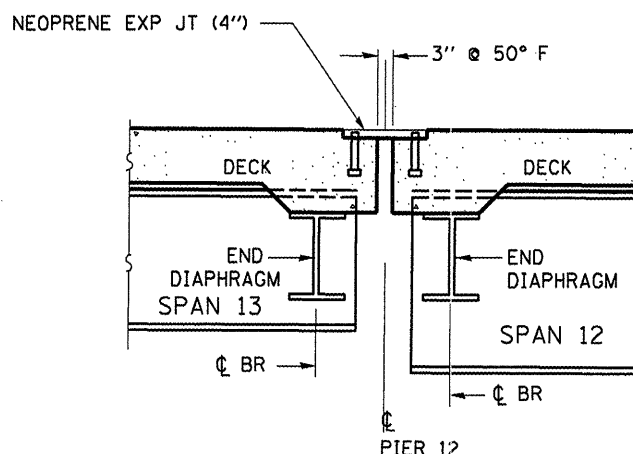
SECTION E-E



SECTION E'-E'



SECTION F-F



SECTION G-G

EXPANSION JOINTS
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

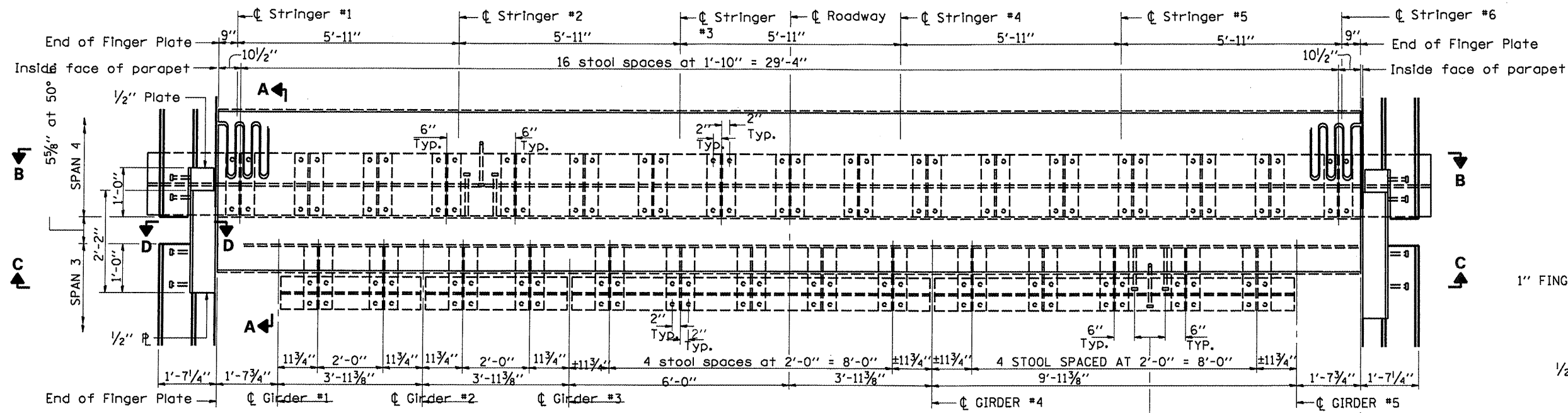
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| | | CHECKED = | REVISED = |
| | | DATE = | REVISED = |
| | | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

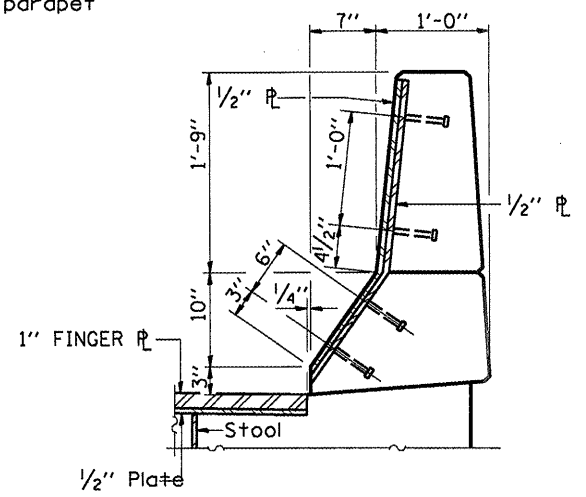
FOR INFORMATION ONLY

SCALE: _____ SHEET NO. 4 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

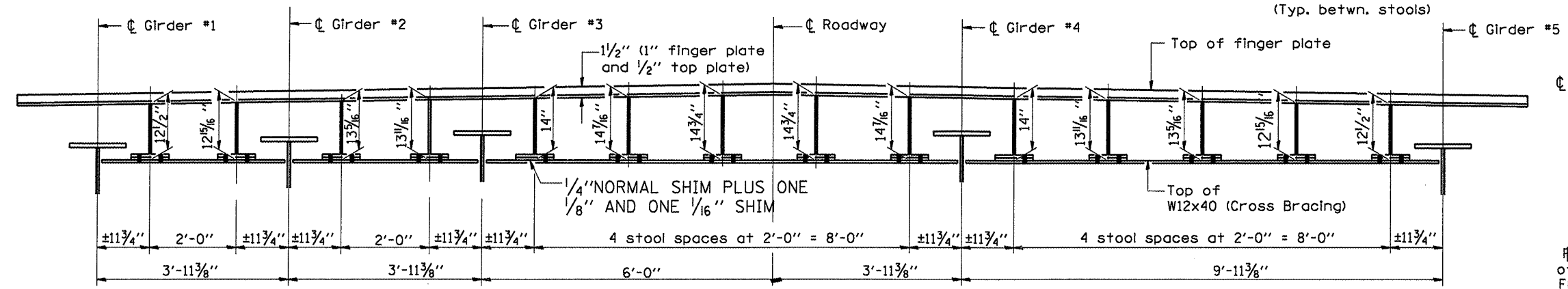
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|---|------------------|----------------|--------------------|--------------|
| F.A.P. RTE. 46 | SECTION (1-BD)BP | COUNTY LASALLE | TOTAL SHEETS 38 | SHEET NO. 12 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |



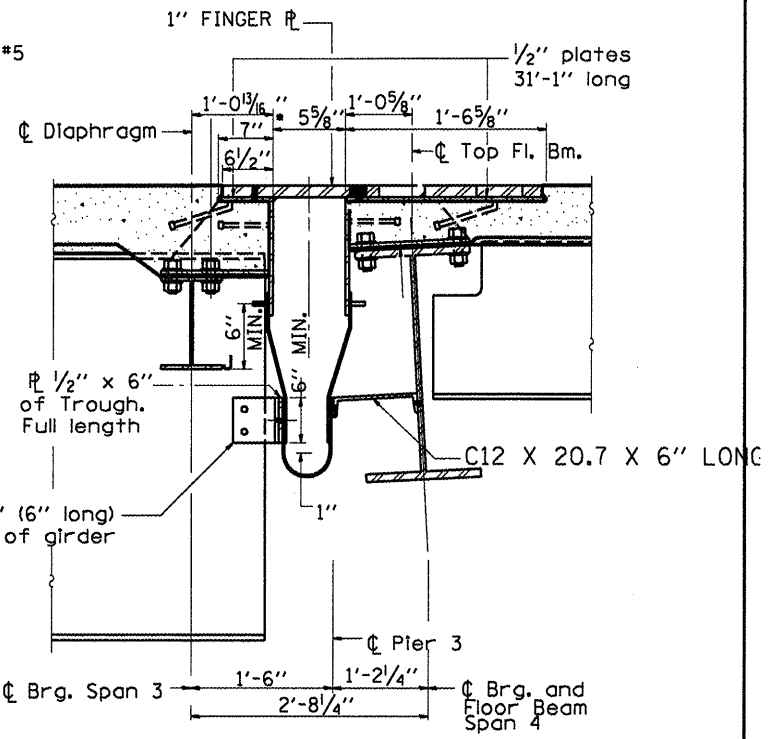
PLAN AT PIER 3



SECTION D-D



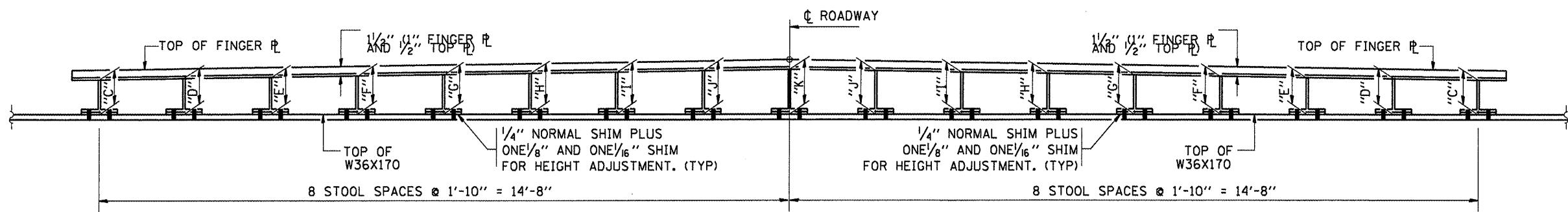
SECTION B-B



SECTION A-A

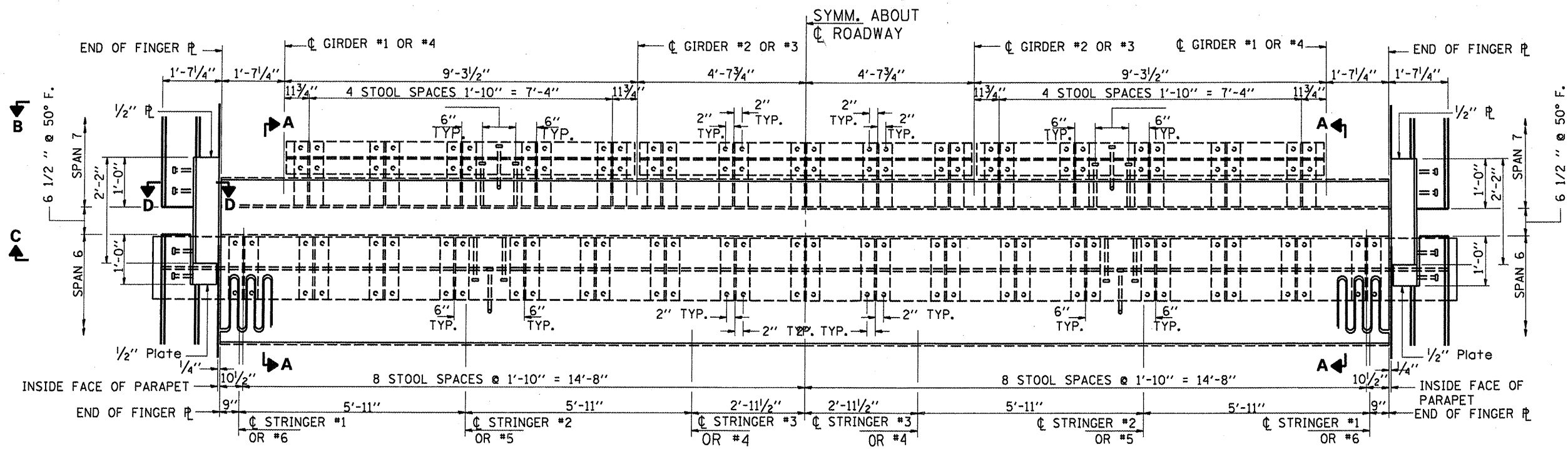
STOOL HEIGHTS

| | "C" | "D" | "E" | "F" | "G" | "H" | "I" | "J" | "K" |
|--------|--------|--------|-----|--------|--------|--------|--------|--------|--------|
| PIER 3 | 6 3/8" | 6 5/8" | 7" | 7 3/8" | 7 3/4" | 8 1/8" | 8 1/8" | 8 3/4" | 9 1/8" |
| SPAN 4 | | | | | | | | | |

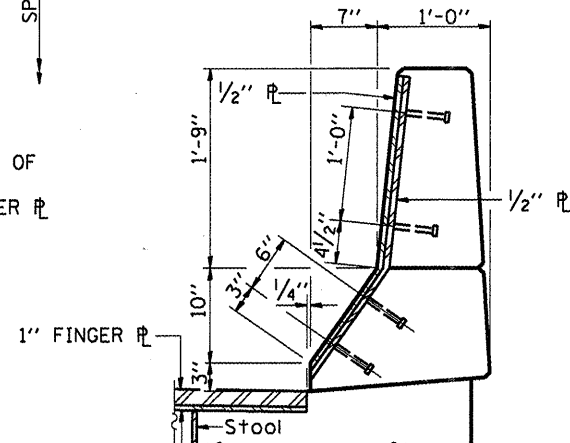


SECTION C-C

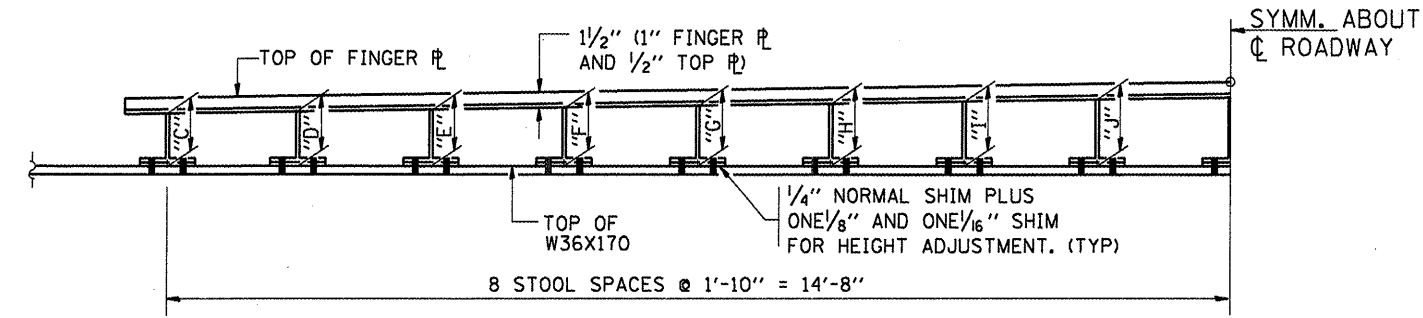
**EXPANSION JOINT
AT PIER 3
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079**



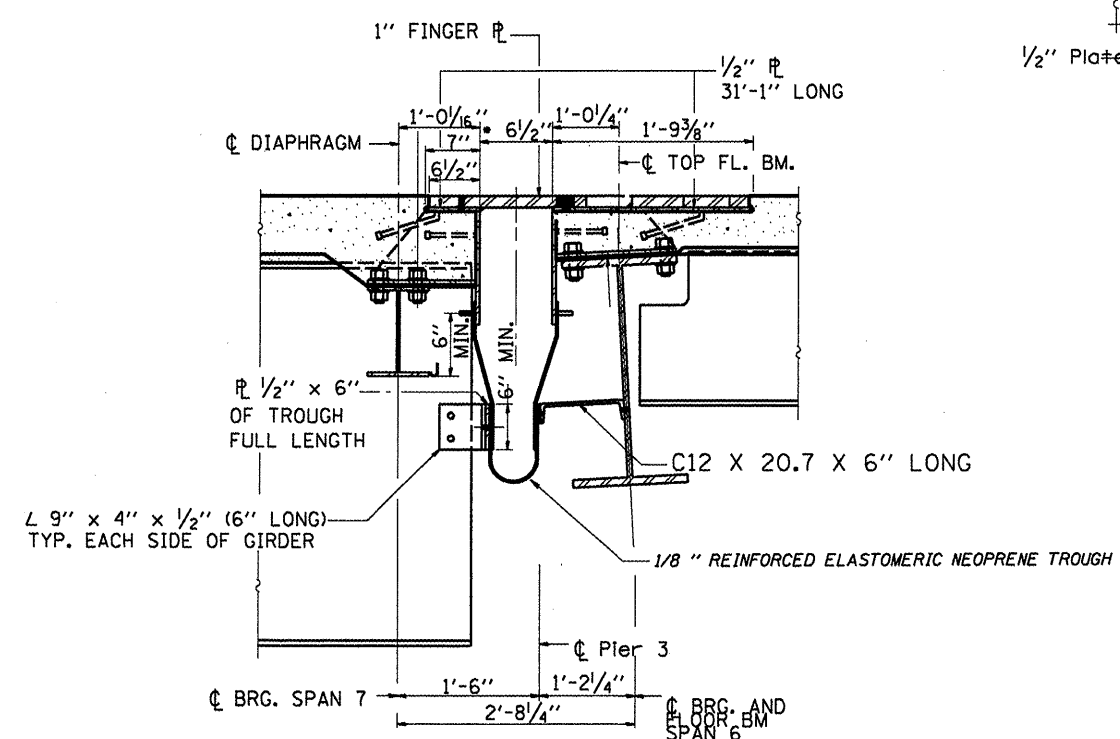
HALF PLAN AT PIER 6



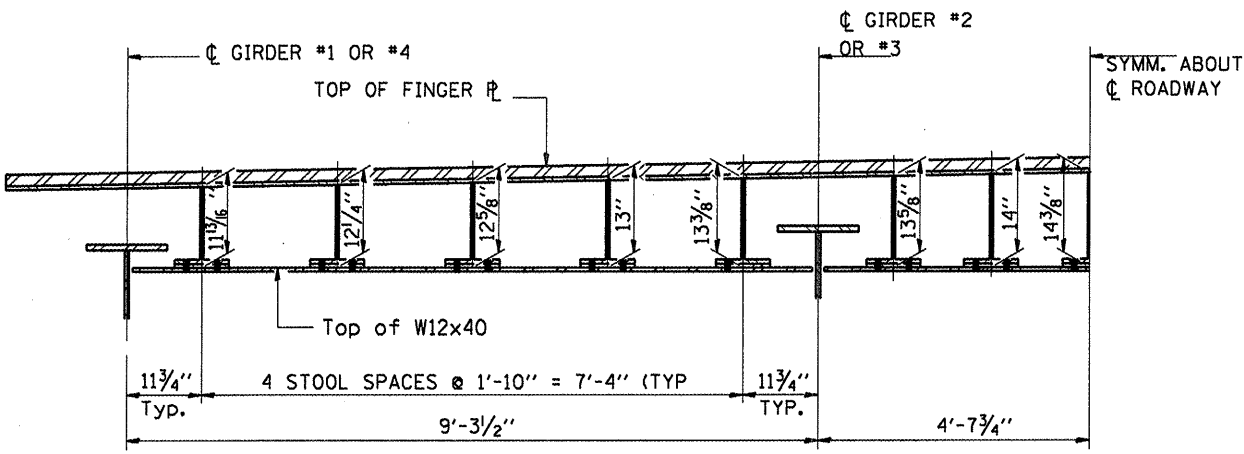
SECTION D-D



SECTION B-B



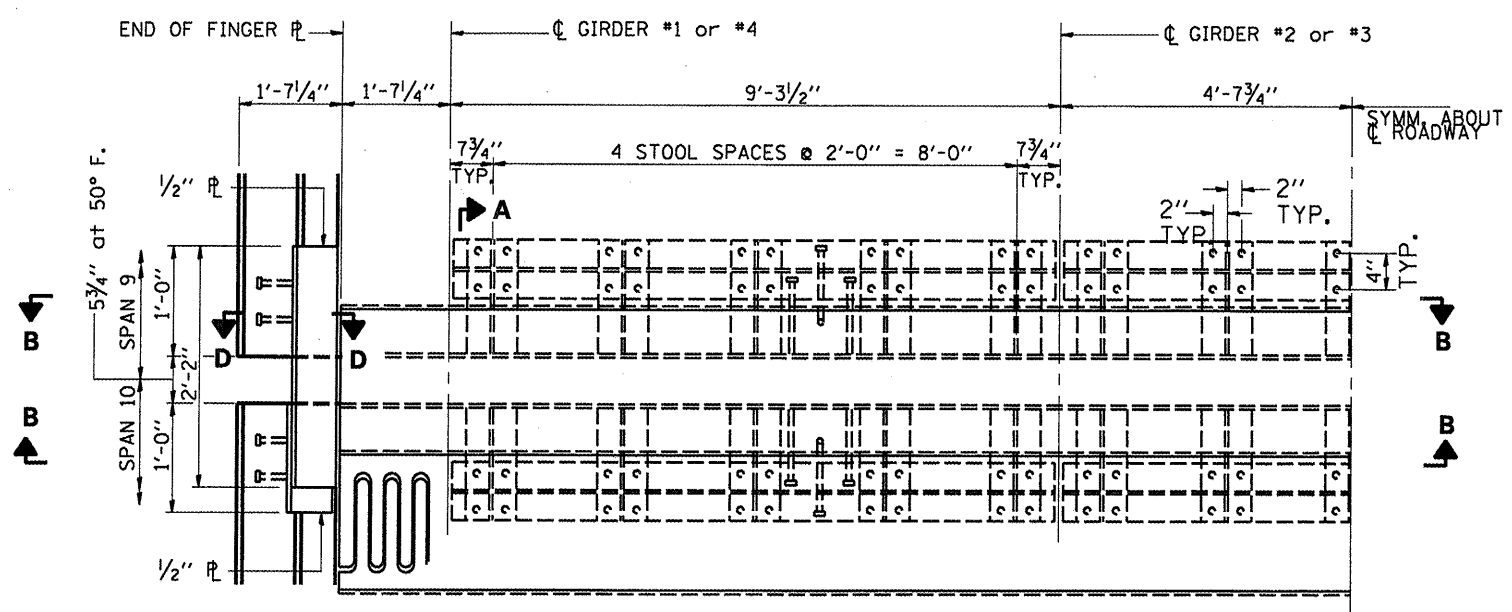
SECTION A-A



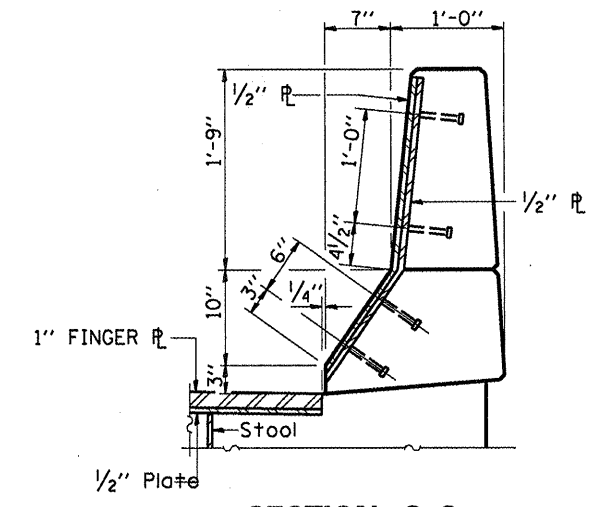
SECTION C-C

EXPANSION JOINT AT PIER 6
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

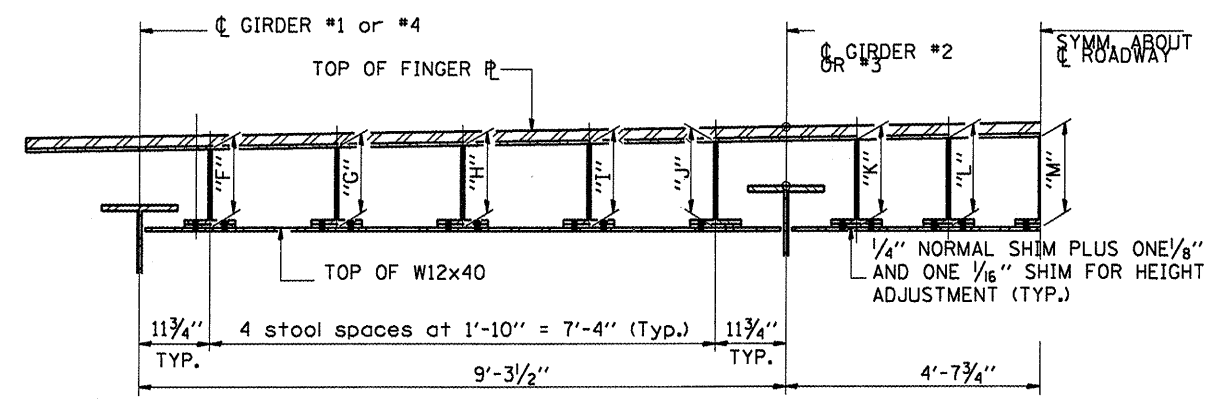
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| cd:\pwork\pw1001\WOODSHANKRL\dms29370 | d366854-sht-detail.dgn | DRAWN = RON WOODSHANK | REVISED = | | | 46 | (1-BD)BP | LASALLE | 38 | 14 |
| PLOT SCALE = 1/8" = 1'-0" | CHECKED = | REVISOR = | REVISOR = | | | CONTRACT NO. 66854 | | | | |
| PLOT DATE = Oct 15, 2008 - 07:05:02 AM | DATE = | REVISOR = | REVISOR = | | | SCALE: SHEET NO. 6 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82 | | | | |
| | | | | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



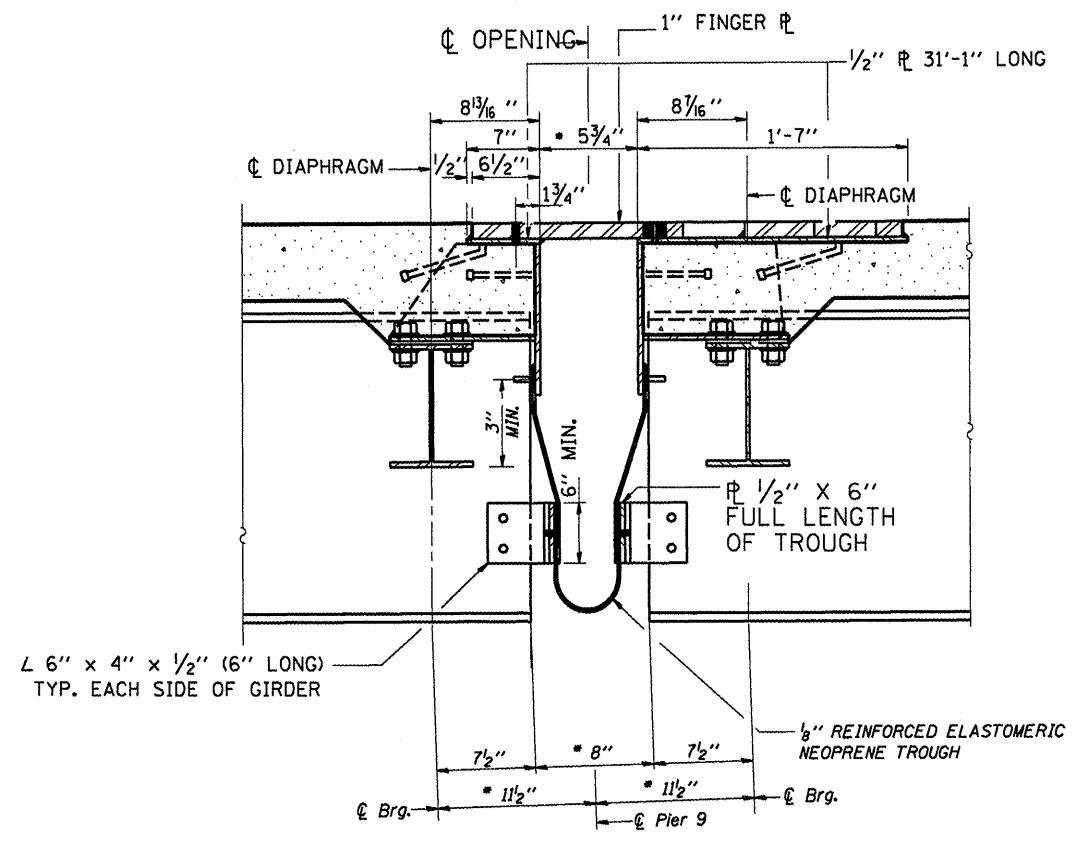
**HALF PLAN
AT PIER 9**



SECTION C-C



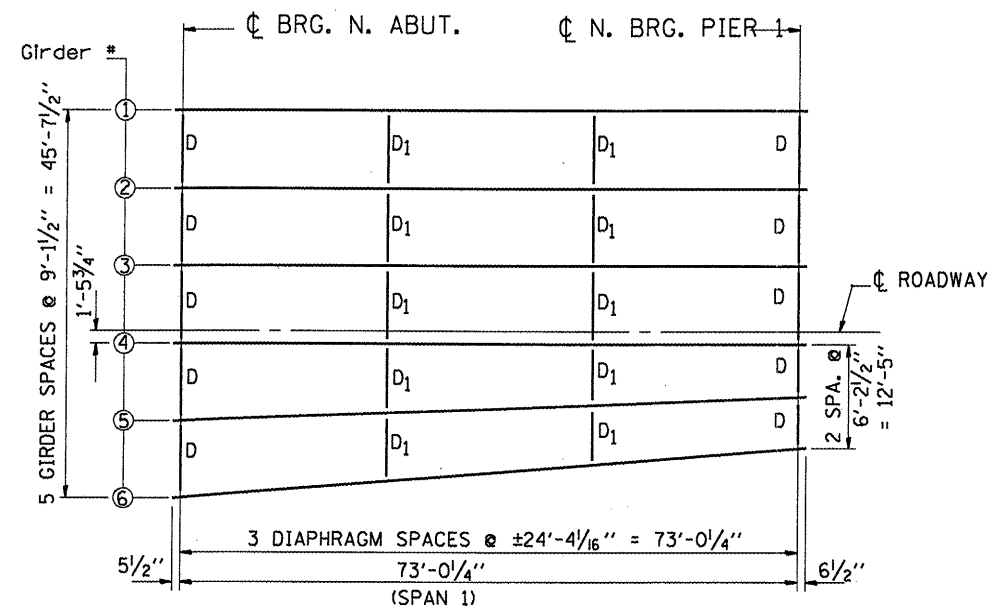
SECTION B-B



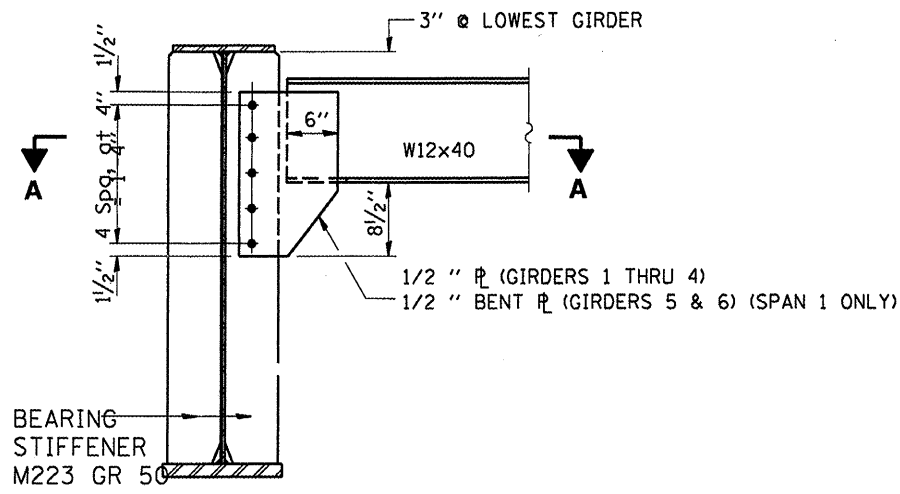
SECTION A-A

| | | STOOL HEIGHTS | | | | | | | |
|-----------------|--|-----------------------------------|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| | | "F" | "G" | "H" | "I" | "J" | "K" | "L" | "M" |
| PIER 9, SPAN 9 | | 11 ⁵ / ₁₆ " | 12 ⁵ / ₁₆ " | 12 ⁵ / ₈ " | 13" | 13 ³ / ₈ " | 13 ⁵ / ₈ " | 14" | 14 ³ / ₈ " |
| PIER 9, SPAN 10 | | 12 ⁵ / ₈ " | 12 ⁵ / ₈ " | 12 ⁷ / ₈ " | 13 ¹ / ₄ " | 13 ³ / ₈ " | 13 ⁵ / ₈ " | 14 ¹ / ₄ " | 14 ⁵ / ₈ " |

**EXPANSION JOINT
AT PIER 9
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079**

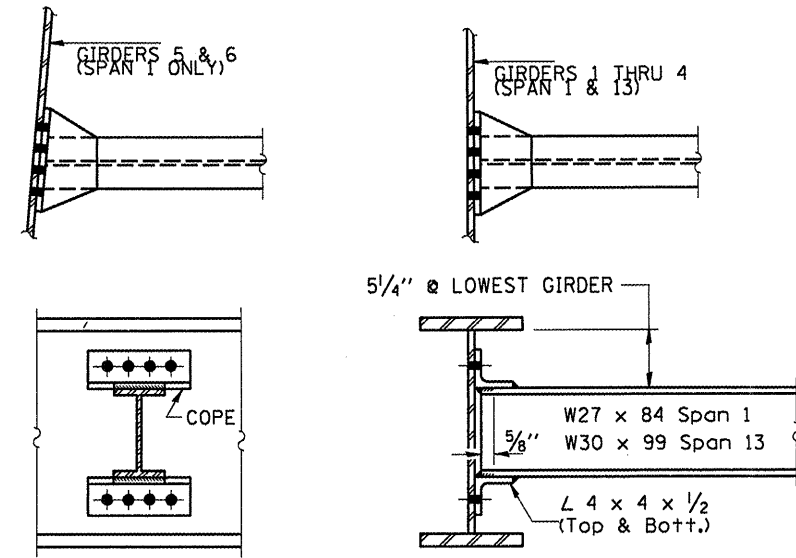


FRAMING PLAN

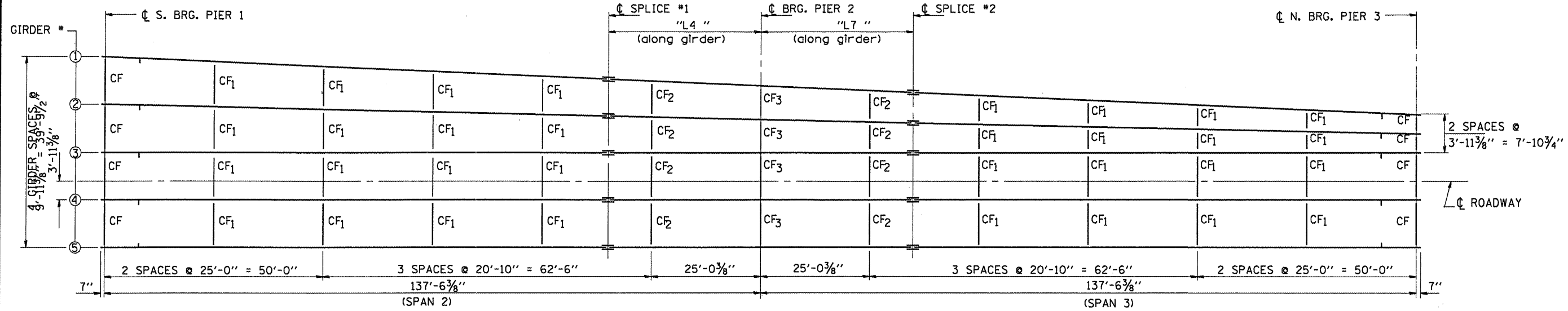


DIAPHRAGM D

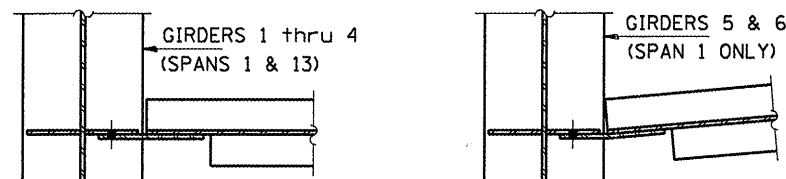
(16 Required)



DIAPHRAGM D₁ AND D₃



FRAMING PLAN



SECTION A-A

STRUCTURAL STEEL
SPANS 1, 2 AND 3
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

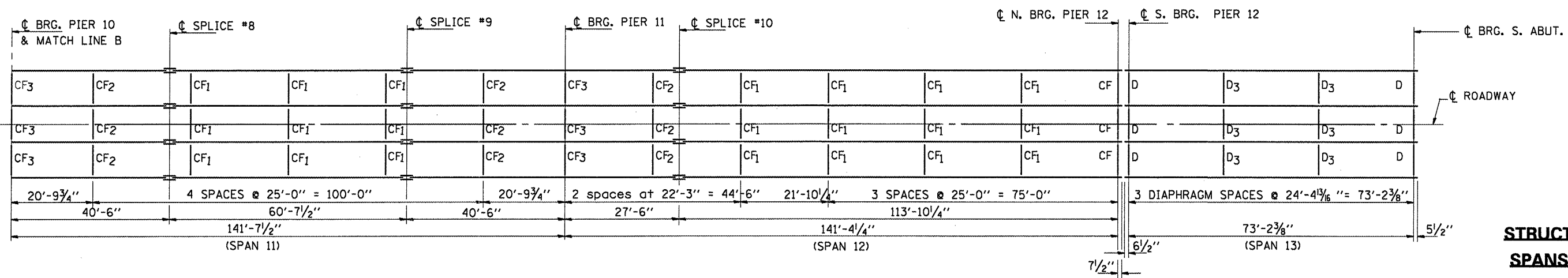
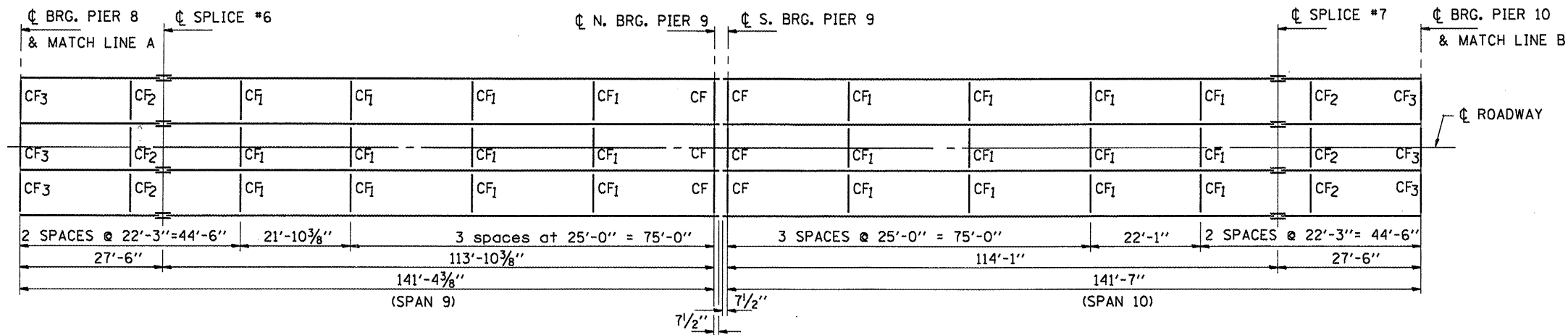
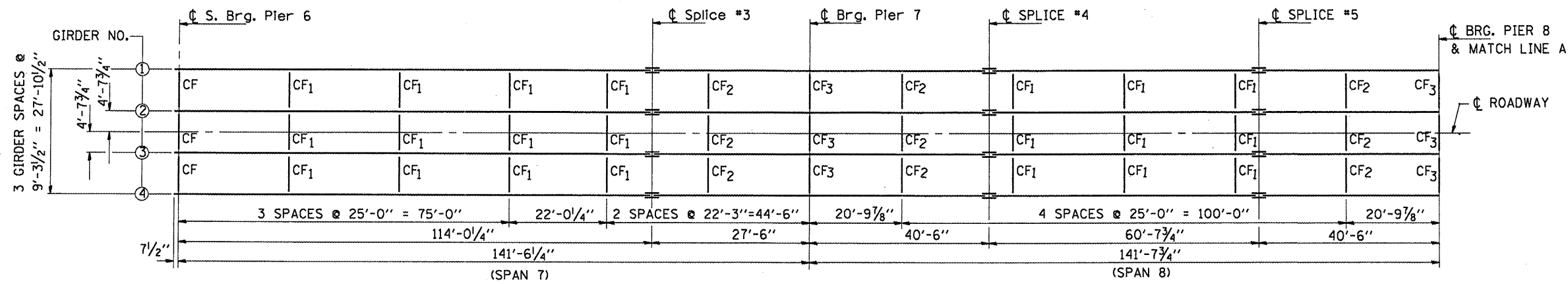
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| PLOT SCALE = 100.0000' / IN. | | CHECKED = | REVISED = |
| PLOT DATE = Oct 15, 2008 - 07:06:19 AM | | DATE = | REVISED = |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY

SCALE: _____ SHEET NO. 9 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

| | | | | |
|--|------------------|----------------|-----------------|--------------|
| F.A.P. RTE. 46 | SECTION (1-BD)BP | COUNTY LASALLE | TOTAL SHEETS 38 | SHEET NO. 17 |
| FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT CONTRACT NO. 66854 | | | | |



STRUCTURAL STEEL
SPANS 7 THRU 13
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

| | | | |
|---|--|--------------------------|-----------|
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY

SCALE: SHEET NO. 10 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

| | | | | |
|---|------------------|----------------|--------------------|--------------|
| F.A.P. RTE. 46 | SECTION (1-BD)BP | COUNTY LASALLE | TOTAL SHEETS 38 | SHEET NO. 18 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |

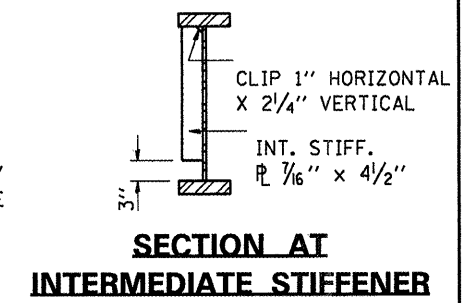
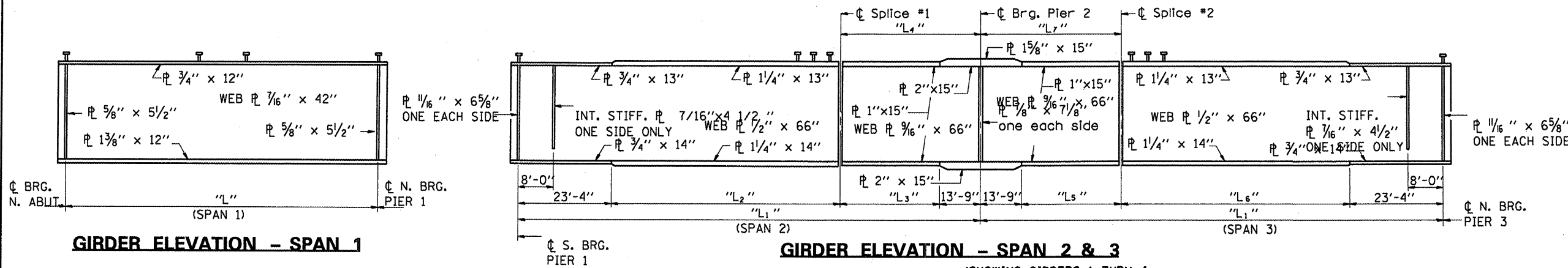
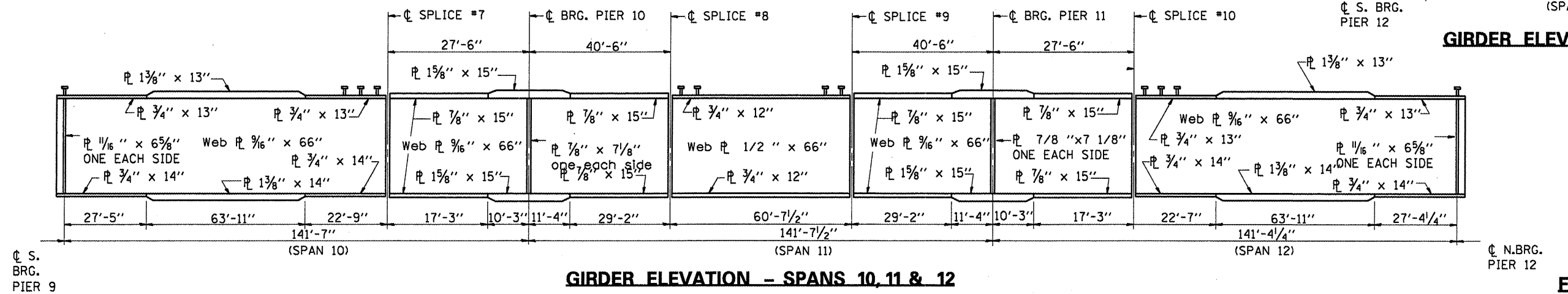
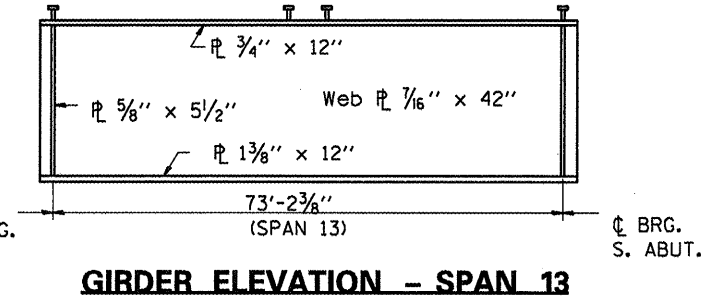
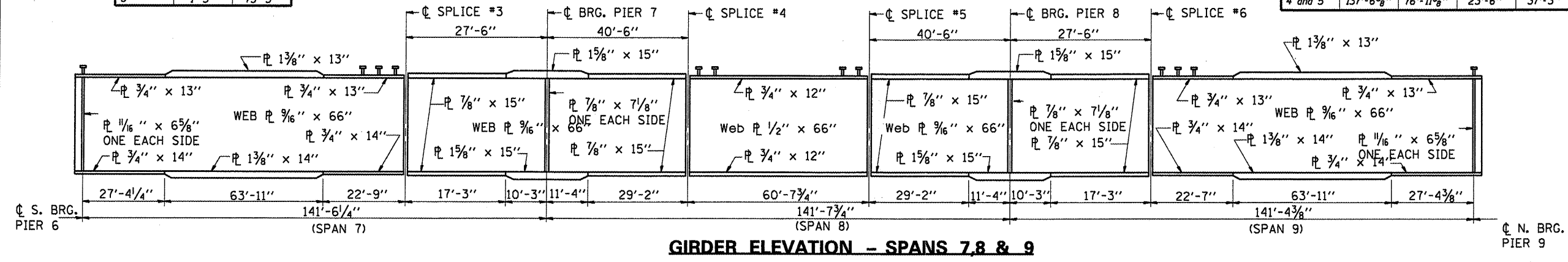


TABLE OF "A" AND "L" DIMENSIONS - SPAN 1

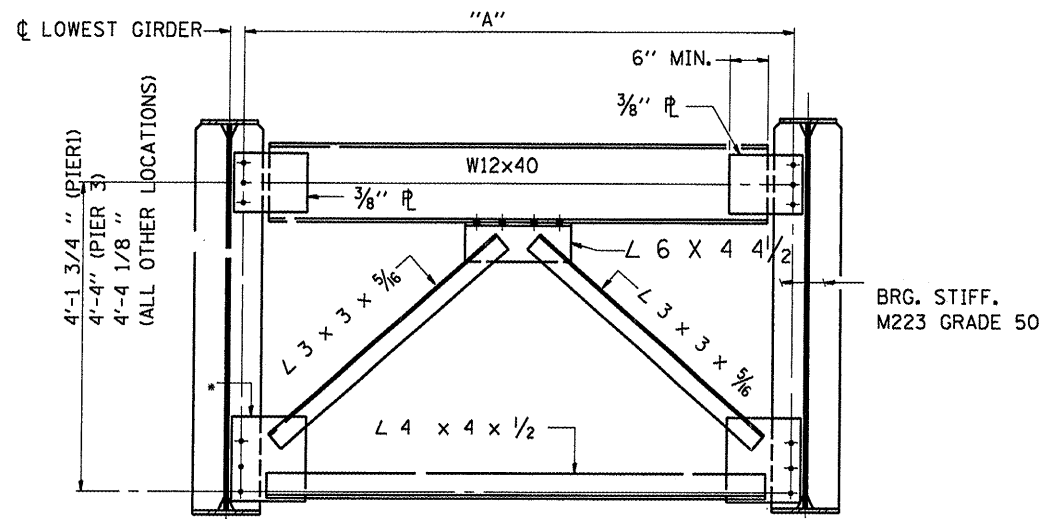
| GIRDER NO. | "A" | "L" |
|------------|------------|------------|
| 1 THRU 4 | 12'-4" | 73'-0 1/4" |
| 5 | 12'-5 1/8" | 73'-0 5/8" |
| 6 | 1'-3" | 73'-3" |

(SHOWING GIRDERS 1 THRU 4. GIRDER 5 HAS INTERMEDIATE STIFFENERS ON EAST FACE ONLY.) **TABLE OF "L1" AND "L2" DIMENSIONS - SPAN 2 & 3**

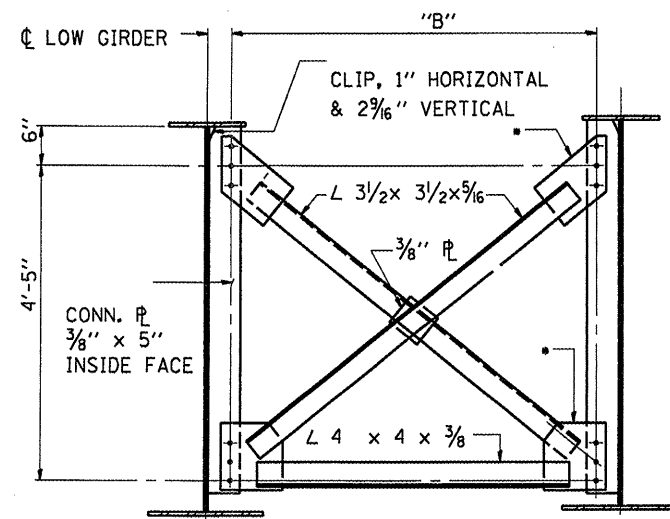
| Girder No. | "L1" | "L2" | "L3" | "L4" | "L5" | "L6" | "L7" |
|------------|-------------|-------------|---------|--------|---------|-------------|--------|
| 1 | 137'-7 5/8" | 83'-2 5/8" | 17'-4" | 31'-1" | 28'-10" | 71'-8 5/8" | 42'-7" |
| 2 | 137'-6 3/4" | 83'-1 3/4" | 17'-4" | 31'-1" | 28'-10" | 71'-7 3/4" | 42'-7" |
| 3 | 137'-6 3/8" | 80'-6 3/8" | 19'-11" | 33'-8" | 24'-7" | 75'-10 3/8" | 38'-4" |
| 4 and 5 | 137'-6 3/8" | 76'-11 3/8" | 23'-6" | 37'-3" | 23'-6" | 76'-11 3/8" | 37'-3" |



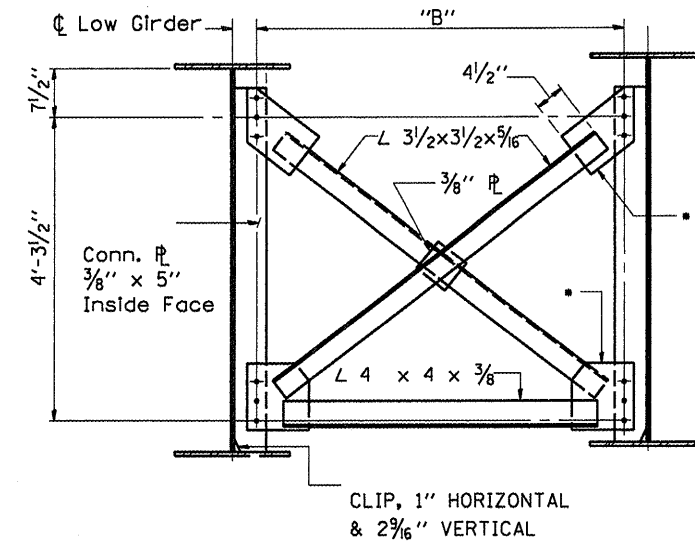
STRUCTURAL STEEL
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079



CROSS FRAME CF

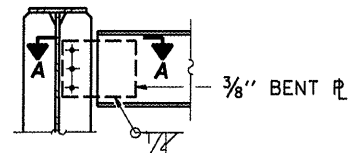


CROSS FRAME CF1

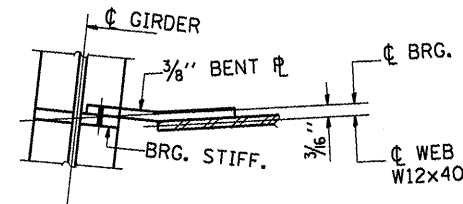


CROSS FRAME CF2

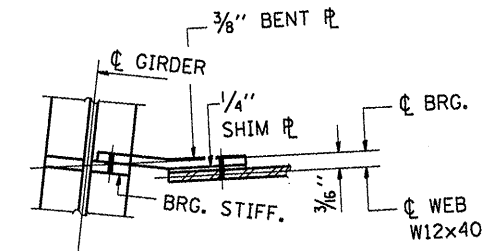
* 3/8" BENT PL (SPANS 2 & 3 - GIRDERS 1, 2 & E. SIDE OF 3)
3/8" PL (ALL OTHER LOCATION)



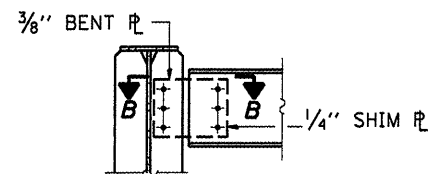
DETAILS "A"
(AT GIRDER 1 - SPANS 2 & 3)



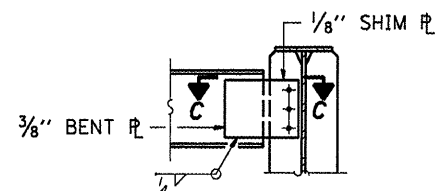
SECTION A-A



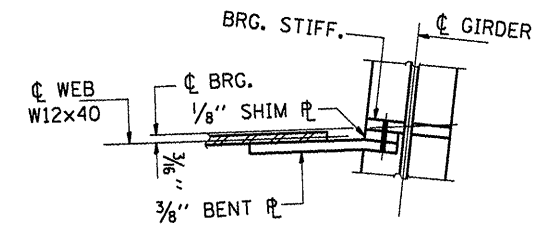
SECTION B-B



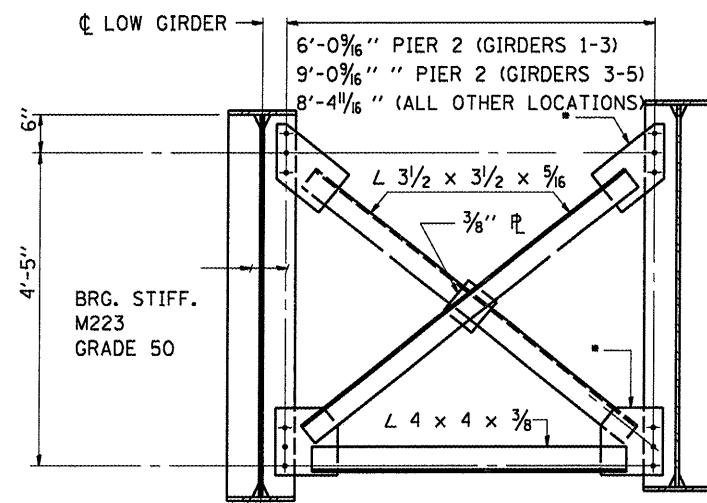
DETAILS "A"
(AT GIRDER 2 - SPANS 2 & 3)



DETAILS "B"
(AT GIRDER 2 - SPANS 2 & 3)



SECTION C-C



CROSS FRAME CF3

TABLE OF DIMENSIONS "A" AND "B"

| LOCATION | | "A" | "B" |
|-------------|-------------|--------------------|----------------------|
| SPANS 2 & 3 | GIRDERS 1-3 | 9'-3 3/8" (PIER 1) | 8'-10 5/16" (N. END) |
| | GIRDERS 3-5 | 3'-3 5/8" (PIER 3) | 3'-11 1/16" (S. END) |
| SPANS 7-12 | All Girders | 8'-7 1/16" | 8'-9" |

STRUCTURAL STEEL
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

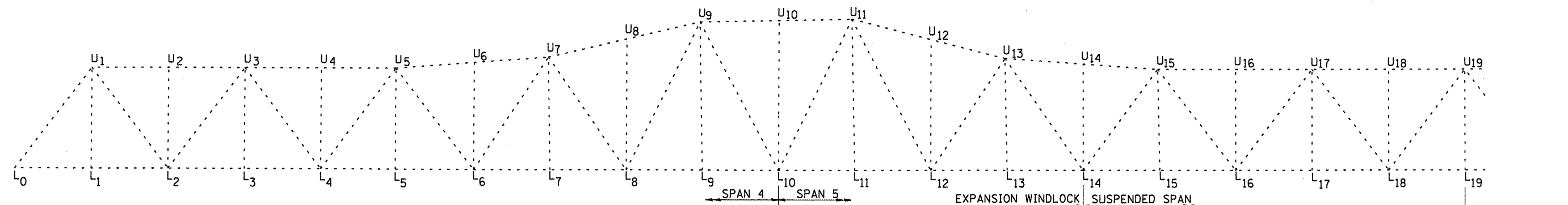
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| et\p\work\VPWIDOT\WOODSHANKR1\dms29378 | d366854-sht-details.dgn | DRAWN = RON WOODSHANK | REVISED = |
| | PLOT SCALE = 1/8" = 1'-0" IN. | CHECKED = | REVISED = |
| | PLOT DATE = Oct 15, 2008 - 07:06:36 AM | DATE = | REVISED = |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

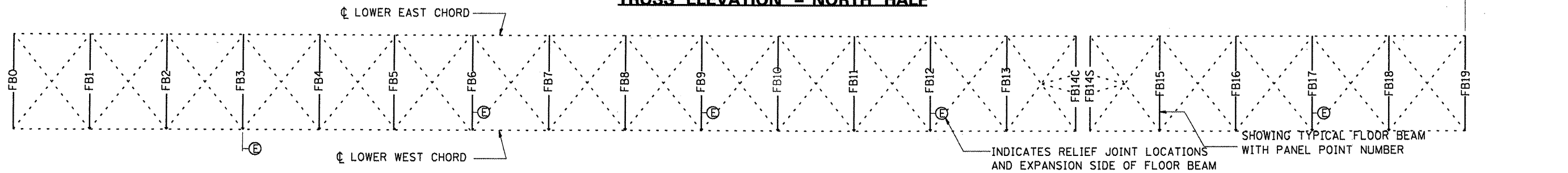
FOR INFORMATION ONLY

SCALE: _____ SHEET NO. 12 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

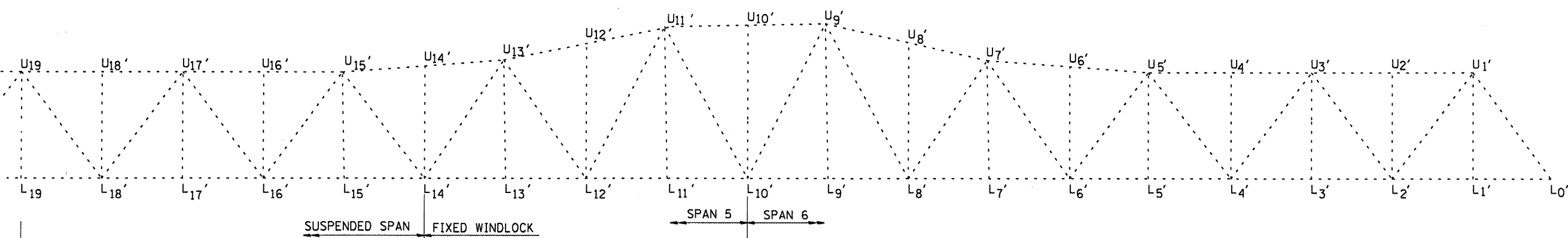
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|---|------------------|----------------|--------------------|--------------|
| F.A.P. RTE. 46 | SECTION (1-BD)BP | COUNTY LASALLE | TOTAL SHEETS 38 | SHEET NO. 20 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |



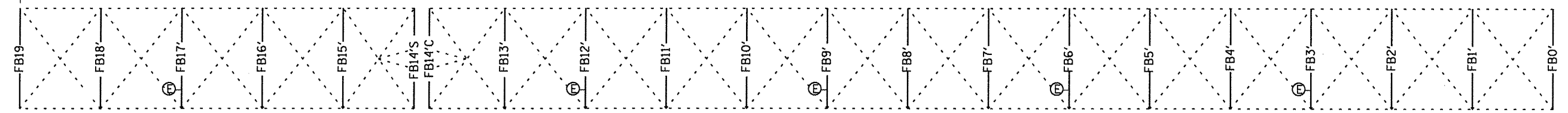
TRUSS ELEVATION - NORTH HALF



PLAN OF BOTTOM CHORD - NORTH HALF



TRUSS ELEVATION - SOUTH HALF



PLAN OF BOTTOM CHORD - SOUTH HALF

FRAMING PLAN
SPANS 4, 5 AND 6
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

| | | | |
|--|-------------------------|--------------------------|-----------|
| FILE NAME = | USER NAME = woodshankr1 | DESIGNED = RON WOODSHANK | REVISED = |
| ct\pw\work\PWIDOT\WOODSHANKRL\dms29378 | d366854-sht\dets1.dgn | DRAWN = RON WOODSHANK | REVISED = |
| PLOT SCALE = 1/8" = 1'-0" | | CHECKED = | REVISED = |
| PLOT DATE = Oct 15, 2008 - 07:06:40 AM | | DATE = | REVISED = |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
 SCALE: _____ SHEET NO. 13 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

| | | | | |
|---|-------------------|-----------------|------------------|---------------|
| F.A.P. RTE: 46 | SECTION: (1-BD)BP | COUNTY: LASALLE | TOTAL SHEETS: 38 | SHEET NO.: 21 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

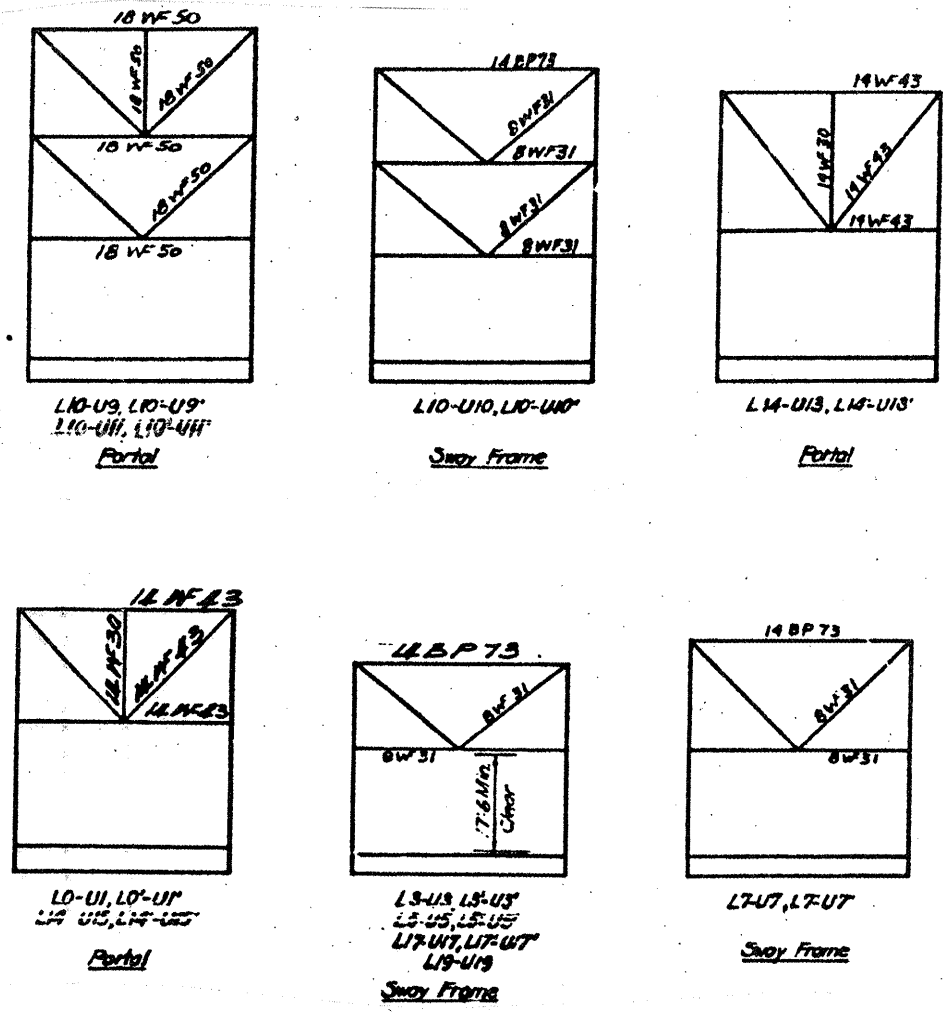
TRUSS MEMBER LENGTHS AND SHAPES

One half of truss shown, other half similar by symmetry

| Member | Length (ft.) | Shape |
|----------------------------------|--------------|---------------|
| L ₀ -L ₂ | 53.01 | W14 |
| L ₂ -L ₄ | 53.01 | W14 |
| L ₄ -L ₆ | 53.01 | W14 |
| L ₆ -L ₈ | 53.01 | W14 |
| L ₈ -L ₁₀ | 53.01 | W14 |
| L ₁₀ -L ₁₂ | 53.01 | W14 |
| L ₁₂ -L ₁₄ | 53.01 | W14 |
| L ₁₄ -L ₁₆ | 53.01 | W14 |
| L ₁₆ -L ₁₈ | 53.01 | W14 |
| L ₁₈ -L ₁₉ | 53.01 | W14 |
| U ₁ -U ₃ | 53.01 | W14 |
| U ₃ -U ₅ | 53.01 | W14 |
| U ₅ -U ₇ | 53.08 | W14 |
| U ₇ -U ₉ | 54.12 | W14 |
| U ₉ -U ₁₁ | 53.01 | W14 |
| U ₁₁ -U ₁₃ | 54.59 | W14 |
| U ₁₃ -U ₁₅ | 53.24 | W14 |
| U ₁₅ -U ₁₇ | 53.01 | W14 |
| U ₁₇ -U ₁₉ | 53.01 | W14 |
| L ₀ -U ₁ | 43.48 | W14 |
| U ₁ -L ₂ | 44.33 | W14 |
| L ₂ -U ₃ | 43.48 | W14 |
| U ₃ -L ₄ | 44.33 | W14 |
| L ₄ -U ₅ | 43.48 | W14 |
| U ₅ -L ₆ | 44.33 | W14 |
| L ₆ -U ₇ | 46.71 | W14 |
| U ₇ -L ₈ | 47.59 | 15" x 15" Box |
| L ₈ -U ₉ | 57.00 | W14 |

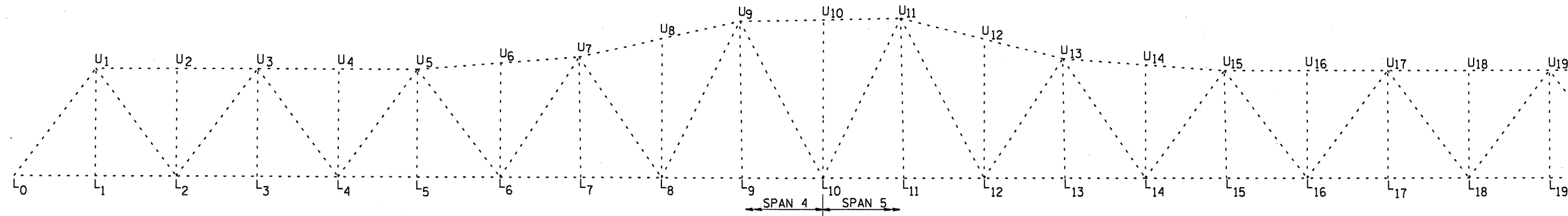
| Member | Length (ft.) | Shape |
|----------------------------------|--------------|---------------|
| U ₉ -L ₁₀ | 57.94 | 15" x 18" Box |
| L ₁₀ -U ₁₁ | 57.00 | 15" x 18" Box |
| U ₁₁ -L ₁₂ | 57.99 | W14 |
| L ₁₂ -U ₁₃ | 46.71 | 15" x 15" Box |
| U ₁₃ -L ₁₄ | 47.59 | W14 |
| L ₁₄ -U ₁₅ | 43.48 | W14 |
| U ₁₅ -L ₁₆ | 44.33 | W14 |
| L ₁₆ -U ₁₇ | 43.48 | W14 |
| U ₁₇ -L ₁₈ | 44.33 | W14 |
| L ₁₈ -U ₁₉ | 43.48 | W14 |
| L ₁ -U ₁ | 35.00 | W14 |
| L ₂ -U ₂ | 35.00 | W14 |
| L ₃ -U ₃ | 35.00 | W14 |
| L ₄ -U ₄ | 35.00 | W14 |
| L ₅ -U ₅ | 35.00 | W14 |
| L ₆ -U ₆ | 37.00 | W14 |
| L ₇ -U ₇ | 39.00 | W14 |
| L ₈ -U ₈ | 45.00 | W14 |
| L ₉ -U ₉ | 51.00 | W14 |
| L ₁₀ -U ₁₀ | 51.00 | W14 |
| L ₁₁ -U ₁₁ | 51.00 | W14 |
| L ₁₂ -U ₁₂ | 45.00 | W14 |
| L ₁₃ -U ₁₃ | 39.00 | W14 |
| L ₁₄ -U ₁₄ | 37.00 | W14 |
| L ₁₅ -U ₁₅ | 35.00 | W14 |
| L ₁₆ -U ₁₆ | 35.00 | W14 |
| L ₁₇ -U ₁₇ | 35.00 | W14 |
| L ₁₈ -U ₁₈ | 35.00 | W14 |
| L ₁₉ -U ₁₉ | 35.00 | W14 |

Bottom Truss Lateral Diagonals are W8x31
 Top Truss Laterals are W14x73
 Top Truss Lateral Diagonals are W14x30

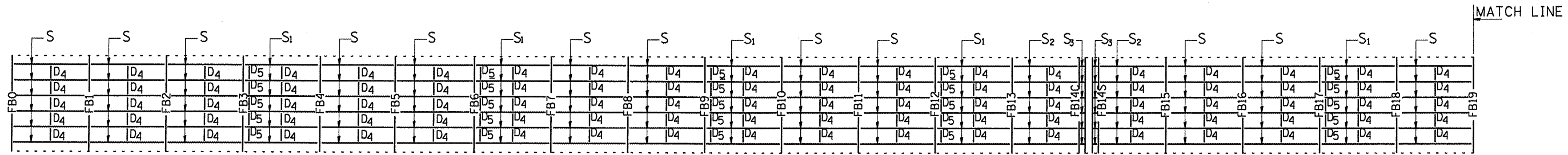


ELEVATION OF PORTALS AND SWAY FRAMES
 Scale: 1" = 20'-0"

TRUSS DATA
 FAP RTE 46 SEC (1-BD)BP
 LASALLE COUNTY
 STA 204+67.75
 SN 050-0079

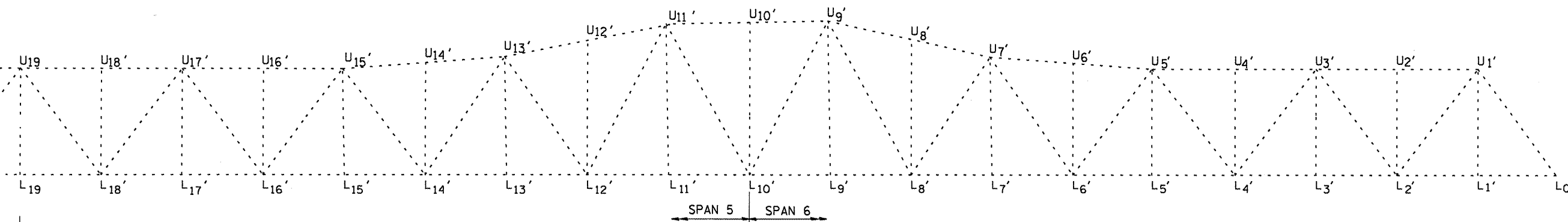


TRUSS ELEVATION - NORTH HALF



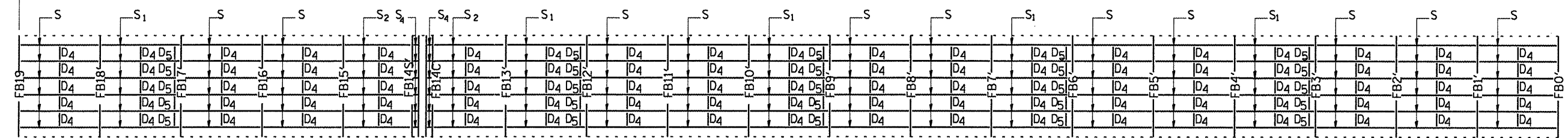
PLAN OF BOTTOM CHORD - NORTH HALF

(SHOWING FLOOR BEAMS, STRINGERS AND DIAPHRAGMS)



TRUSS ELEVATION - SOUTH HALF

MATCH LINE



PLAN OF BOTTOM CHORD - SOUTH HALF

(SHOWING FLOOR BEAMS, STRINGERS AND DIAPHRAGMS)

FRAMING PLAN
SPANS 4, 5 AND 6
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

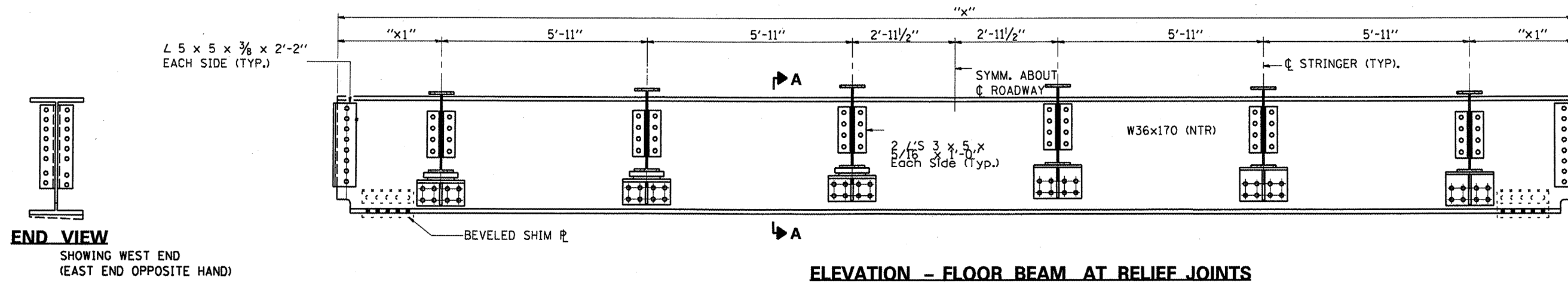
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| FILE NAME = | USER NAME = woodshankr1 | DESIGNED = RON WOODSHANK | REVISED = |
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| | PLOT SCALE = 1/8" = 1' IN. | CHECKED = | REVISED = |
| | PLOT DATE = Oct 15, 2008 - 07:06:45 AM | DATE = | REVISED = |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY

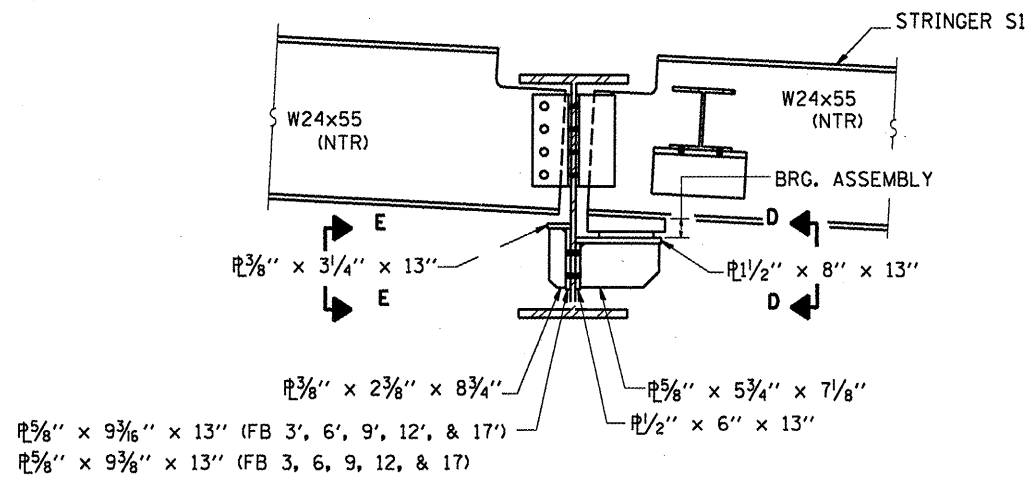
SCALE: _____ SHEET NO. 14 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|---------|--------------------|-----------|
| 46 | (1-BD)BP | LASALLE | 38 | 22 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |



END VIEW
SHOWING WEST END
(EAST END OPPOSITE HAND)

ELEVATION - FLOOR BEAM AT RELIEF JOINTS

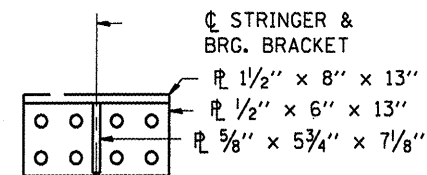


SECTION A-A
(Looking East)
BRG. ON S. SIDE OF FB3, 6, 9, 12 & 17
BRG. ON N. SIDE OF FB3', 6' 9' 12' & 17'

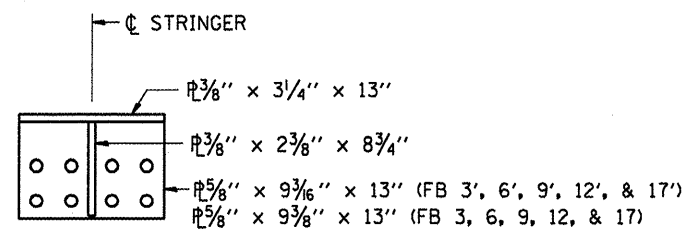
TABLE OF "X" DIMENSIONS

| Floor Beam | "x" | "x1" |
|------------|-------------|-----------|
| FB3 (N) | 34'-11" | 2'-8" |
| FB3 (S) | 34'-11" | 2'-8" |
| FB3' (N) | 34'-11" | 2'-8" |
| FB3' (S) | 34'-11" | 2'-8" |
| FB6 (N) | 34'-10 1/4" | 2'-7 5/8" |
| FB6 (S) | 34'-10 1/4" | 2'-7 5/8" |
| FB6' (N) | 34'-10 1/4" | 2'-7 5/8" |
| FB6' (S) | 34'-10 1/4" | 2'-7 5/8" |
| FB9 (N) | 34'-8 1/2" | 2'-6 3/4" |
| FB9 (S) | 34'-8 1/2" | 2'-6 3/4" |
| FB9' (N) | 34'-8 1/2" | 2'-6 3/4" |
| FB9' (S) | 34'-8 1/2" | 2'-6 3/4" |
| FB12 (N) | 34'-8" | 2'-6 1/2" |
| FB12 (S) | 34'-8" | 2'-6 1/2" |
| FB12' (N) | 34'-8" | 2'-6 1/2" |
| FB12' (S) | 34'-8" | 2'-6 1/2" |
| FB17 (N) | 34'-10 1/4" | 2'-7 5/8" |
| FB17 (S) | 34'-10 1/4" | 2'-7 5/8" |
| FB17' (N) | 34'-10 1/4" | 2'-7 5/8" |
| FB17' (S) | 34'-10 1/4" | 2'-7 5/8" |

(N) = NORTH SIDE OF FLOOR BEAM



VIEW D-D



VIEW E-E

FLOOR BEAM DETAILS
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

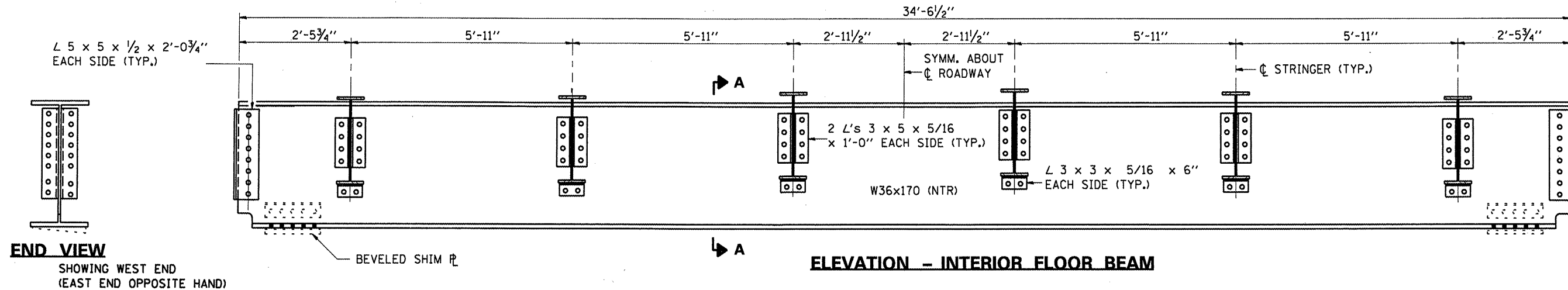
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|--|--|--------------------------|-----------|
| FILE NAME = | USER NAME = woodshankr1 | DESIGNED = RON WOODSHANK | REVISED = |
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| | PLOT SCALE = 100.0000' / IN. | CHECKED = | REVISED = |
| | PLOT DATE = Oct 15, 2008 - 07:06:50 AM | DATE = | REVISED = |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

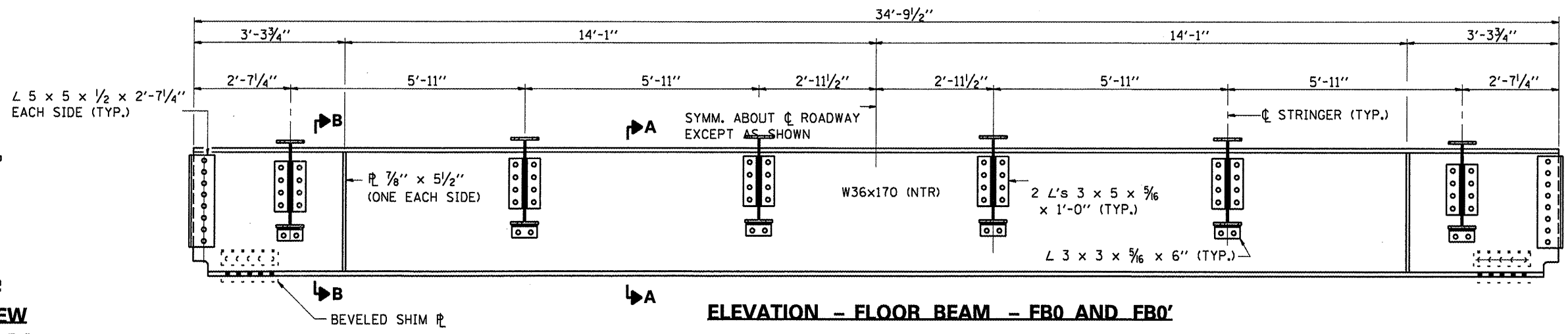
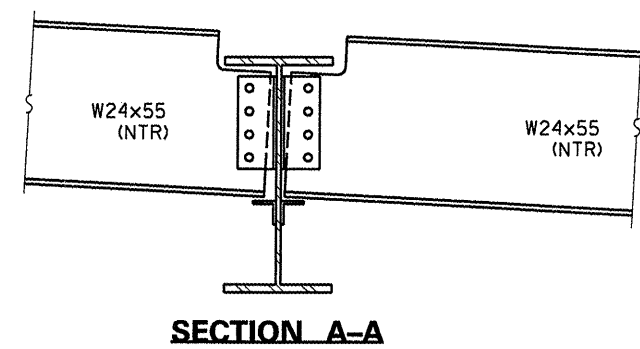
FOR INFORMATION ONLY

SCALE: _____ SHEET NO. 15 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

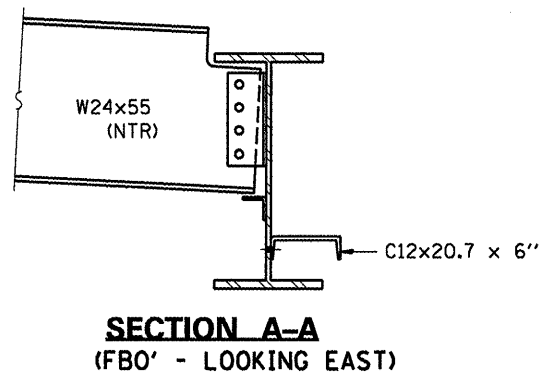
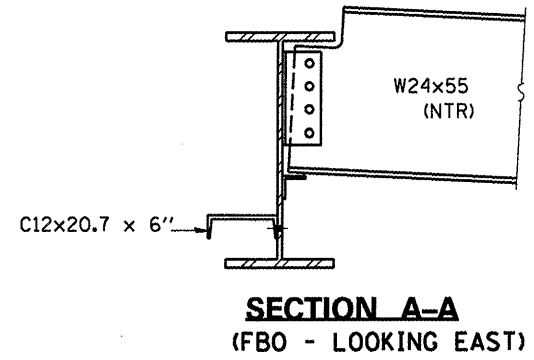
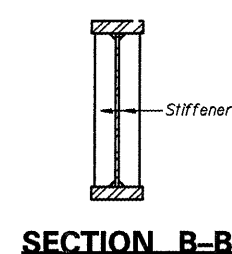
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|---|----------|---------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 46 | (1-BD)BP | LASALLE | 38 | 23 |
| FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT | | | CONTRACT NO. 66854 | |



END VIEW
SHOWING WEST END
(EAST END OPPOSITE HAND)

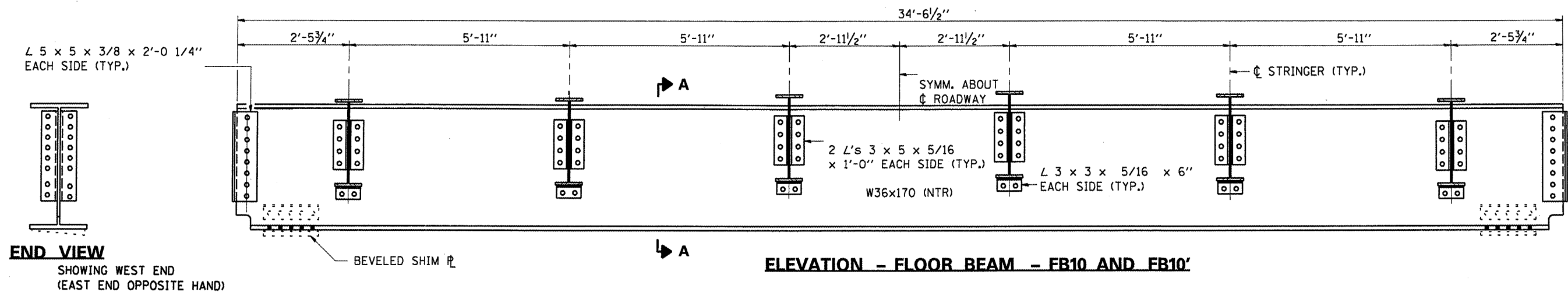


END VIEW
SHOWING WEST END
(EAST END OPPOSITE HAND)

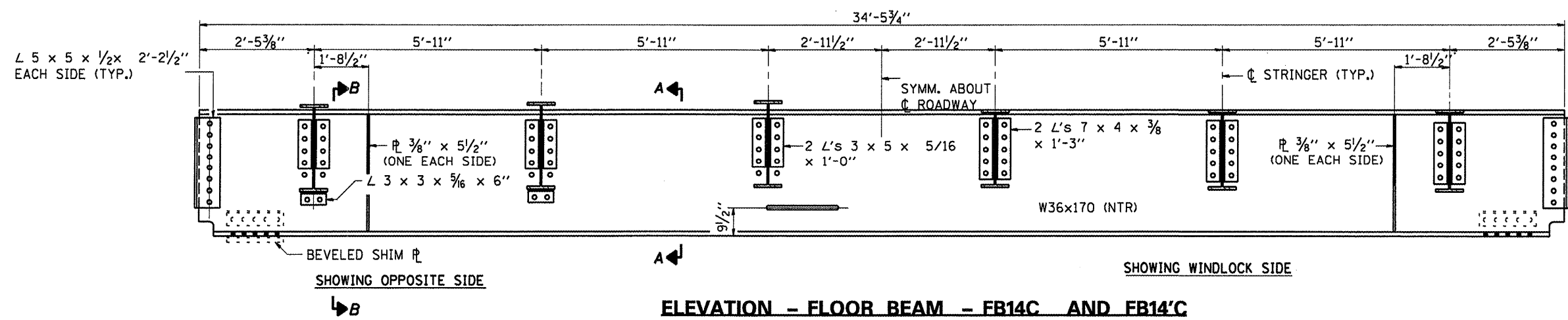
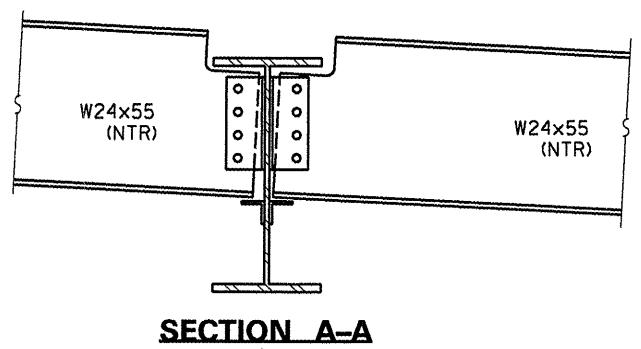


FLOOR BEAM DETAILS
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

| | | | | | | | | | | | |
|--|-------------------------|--------------------------|-----------|---|-----------------------------|---|----------|---------|--------------|-----------|--|
| FILE NAME = | USER NAME = woodshankr1 | DESIGNED = RON WOODSHANK | REVISED = | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | FOR INFORMATION ONLY | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
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| PLOT SCALE = 1/8" = 1'-0" | | CHECKED = | REVISED = | | | CONTRACT NO. 66854 | | | | | |
| PLOT DATE = Oct 15, 2008 - 07:06:57 AM | | DATE = | REVISED = | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | |



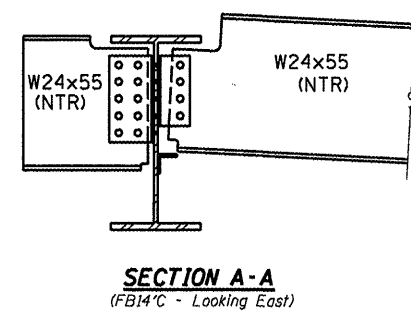
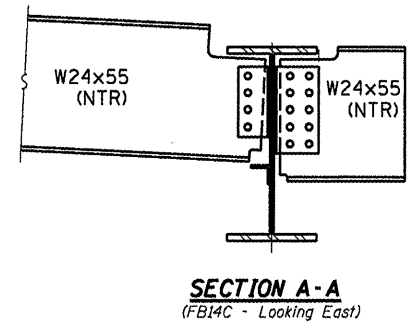
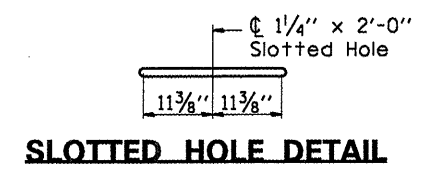
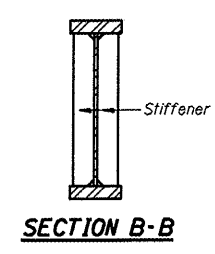
END VIEW
 SHOWING WEST END
 (EAST END OPPOSITE HAND)



END VIEW
 Showing West End
 (East End opposite hand)

SHOWING OPPOSITE SIDE

SHOWING WINDLOCK SIDE



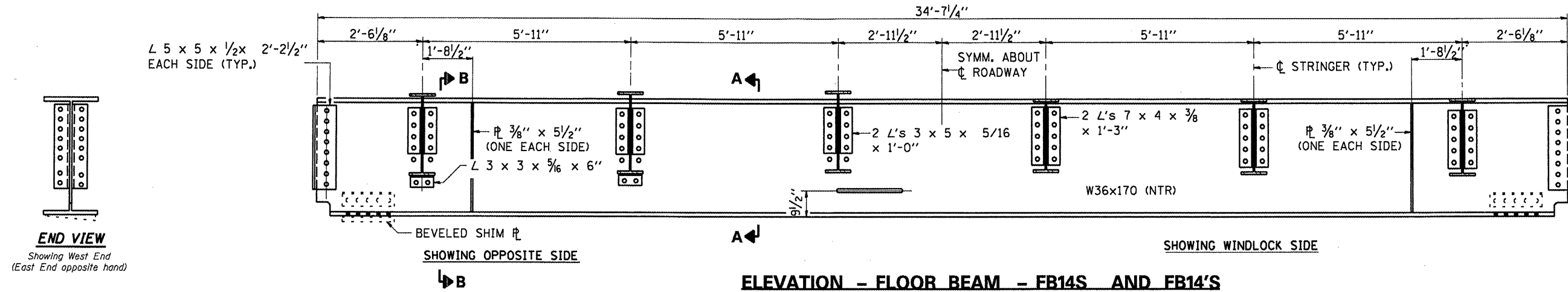
FLOOR BEAMS DETAILS
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

| | | | |
|---|--|--------------------------|-----------|
| FILE NAME = | USER NAME = woodshankr1 | DESIGNED = RON WOODSHANK | REVISED = |
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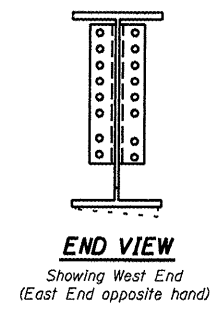
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
 SCALE: _____ SHEET NO. 17 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

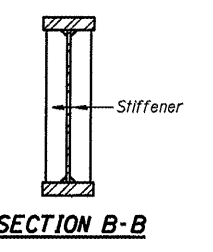
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|---------|--------------------|-----------|
| 46 | (1-BD)BP | LASALLE | 38 | 25 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |



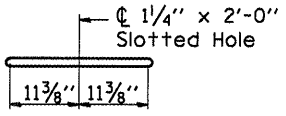
ELEVATION - FLOOR BEAM - FB14S AND FB14'S



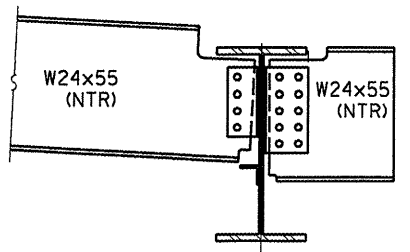
END VIEW
Showing West End
(East End opposite hand)



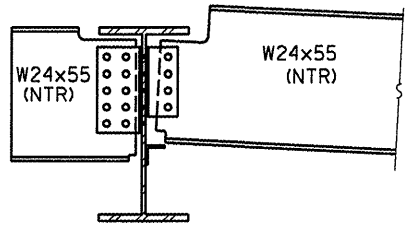
SECTION B-B



SLOTTED HOLE DETAIL



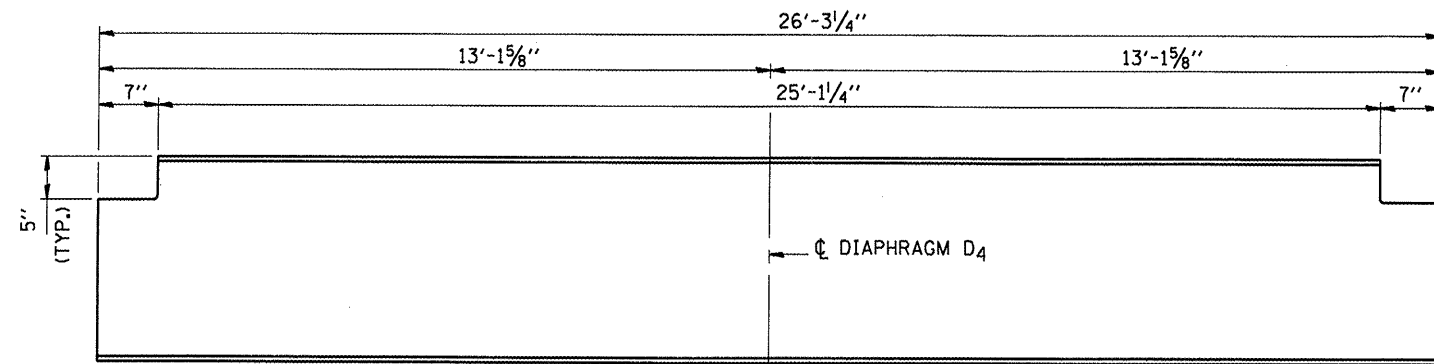
SECTION A-A
(FB14C - Looking East)



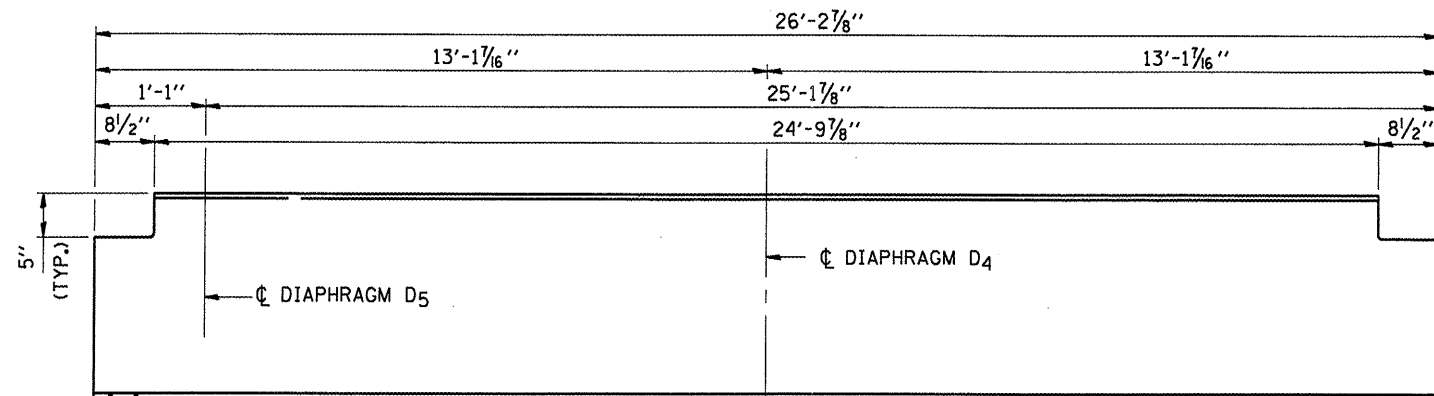
SECTION A-A
(FB14'C - Looking East)

FLOOR BEAM DETAILS
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

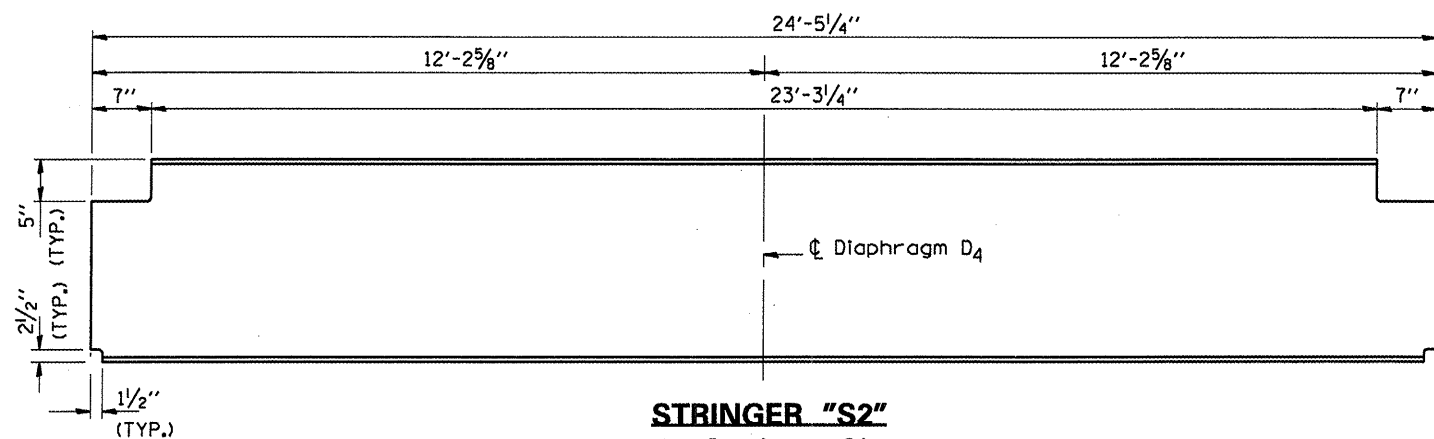
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| FILE NAME = | USER NAME = woodshankr1 | DESIGNED = RON WOODSHANK | REVISED = | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | FOR INFORMATION ONLY | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
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| | PLOT SCALE = 1/8" = 1'-0" | CHECKED = | REVISED = | | | SCALE: _____ SHEET NO. 18 OF 30 SHEETS | | STA. 193+08.08 TO STA. 216+13.82 | | CONTRACT NO. 66854 | |
| | PLOT DATE = Oct 15, 2008 - 07:07:08 AM | DATE = | REVISED = | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | | | |



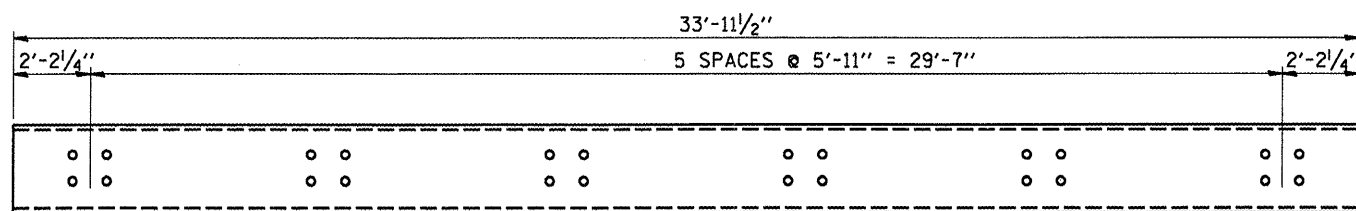
STRINGER "S"
(No. Required = 144)



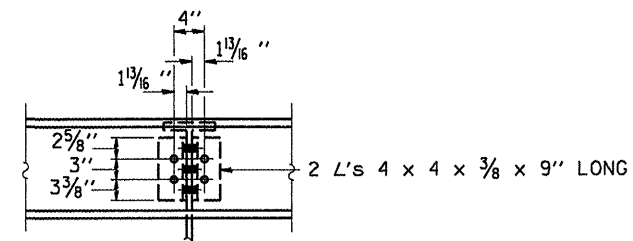
STRINGER "S1"
(No. Required = 60)



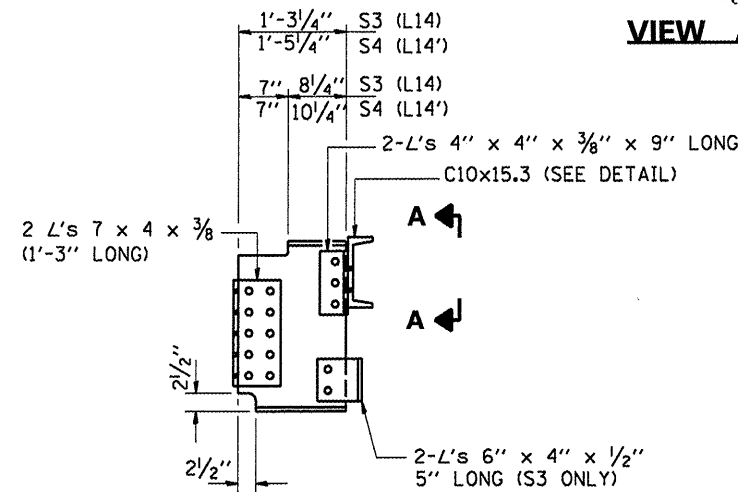
STRINGER "S2"
(No. Required = 24)



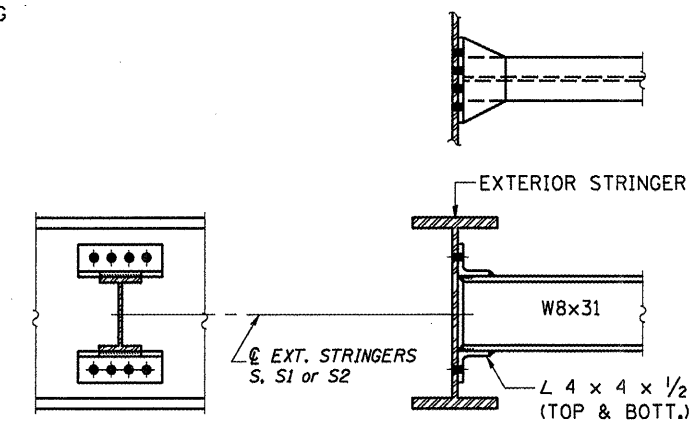
CHANNEL C10x15.3
(No. Required = 4)



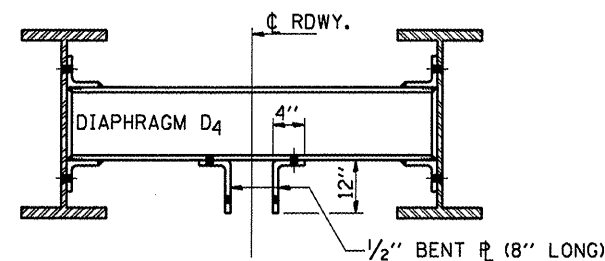
VIEW A-A



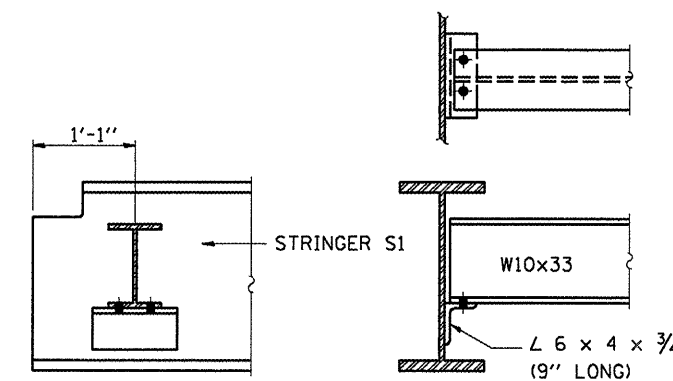
STRINGERS "S3" & "S4"



DIAPHRAGM D4



LATERAL BRACING CONNECTION



DIAPHRAGM D5

**STRINGERS
AND DIAPHRAGM DETAILS**
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

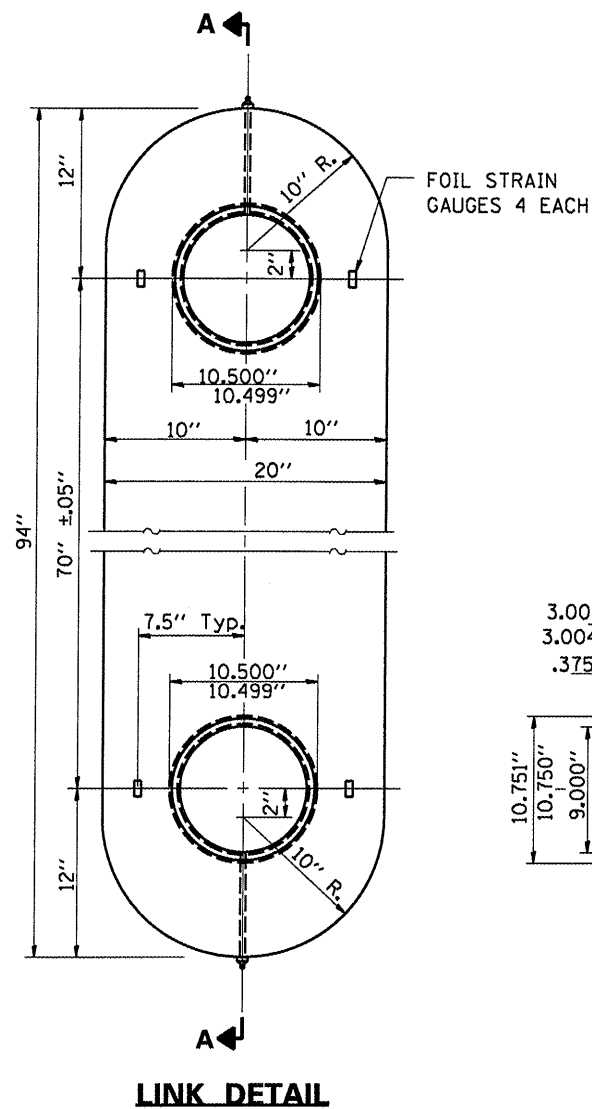
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| c:\pwwork\FWIDOT\WOODSHANKR\dwg29370 | cd368854-ahd-detail1.dgn | DRAWN = RON WOODSHANK | REVISED = |
| | PLOT SCALE = 1/8" = 1'-0" | CHECKED = | REVISED = |
| | PLOT DATE = Oct 15, 2008 - 07:07:14 AM | DATE = | REVISED = |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

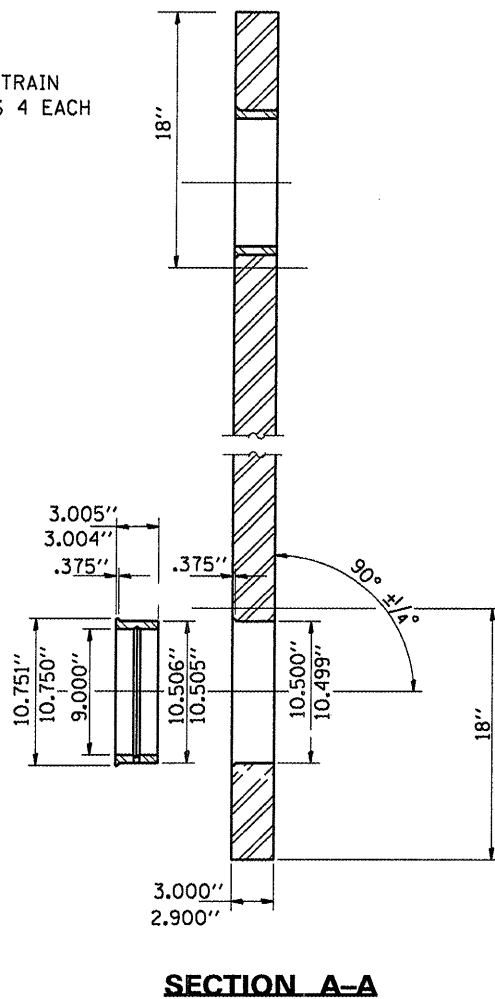
FOR INFORMATION ONLY

SCALE: SHEET NO. 19 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

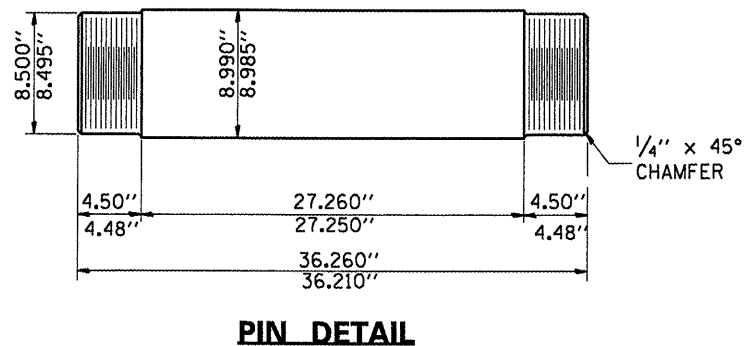
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|---|------------------|----------------|--------------------|--------------|
| F.A.P. RTE. 46 | SECTION (1-BD)BP | COUNTY LASALLE | TOTAL SHEETS 38 | SHEET NO. 27 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |



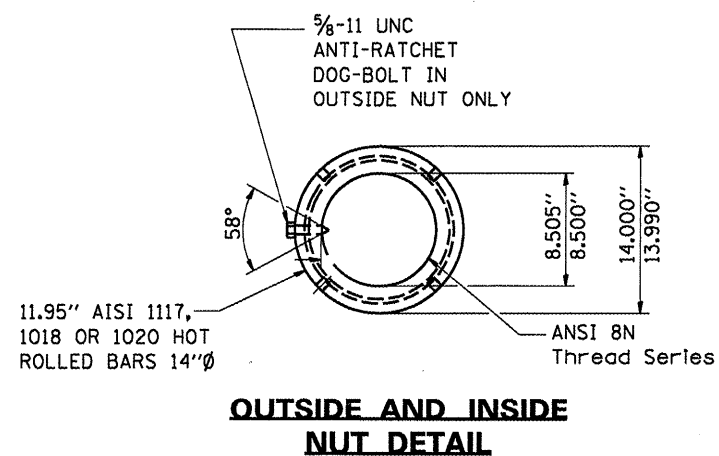
LINK DETAIL



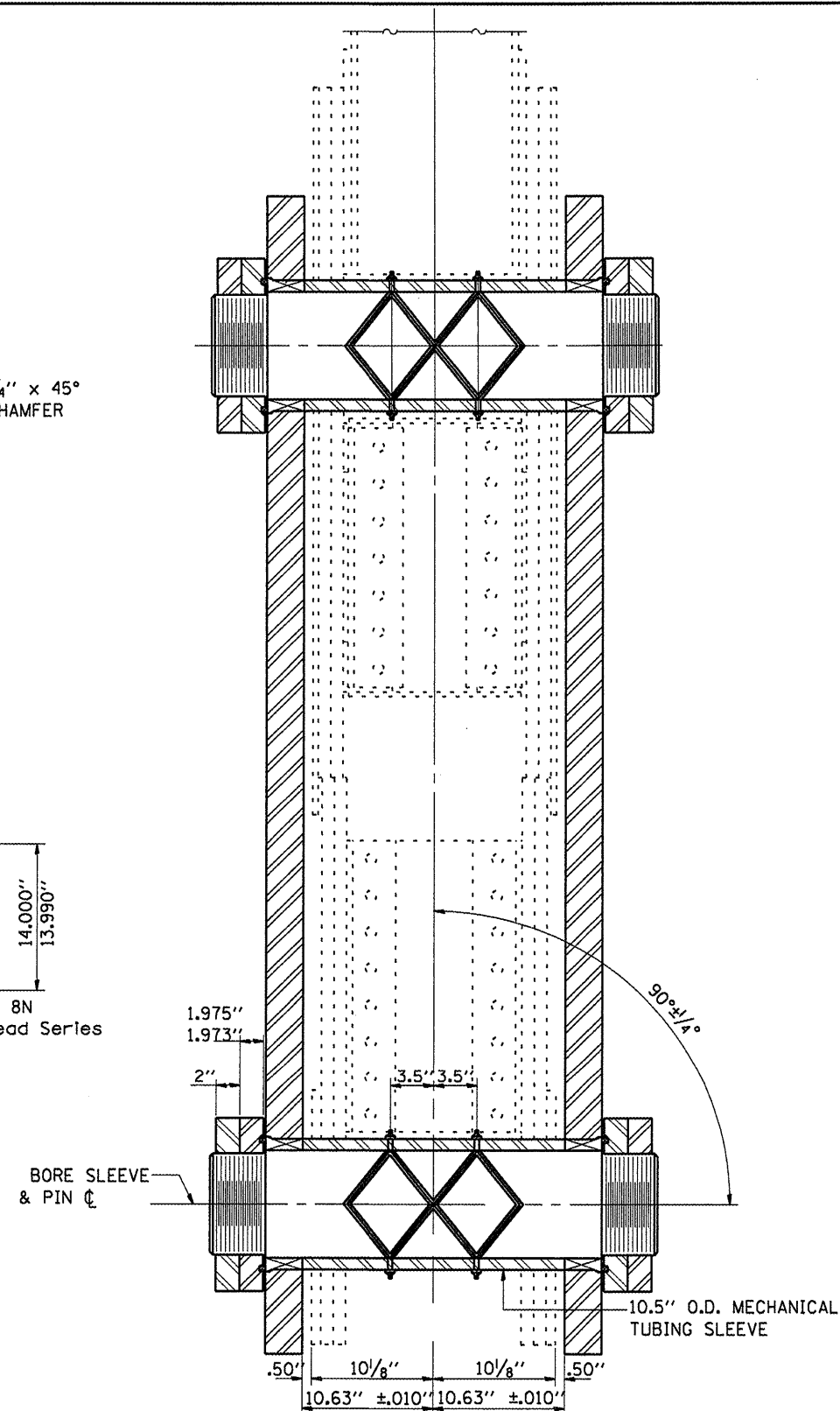
SECTION A-A



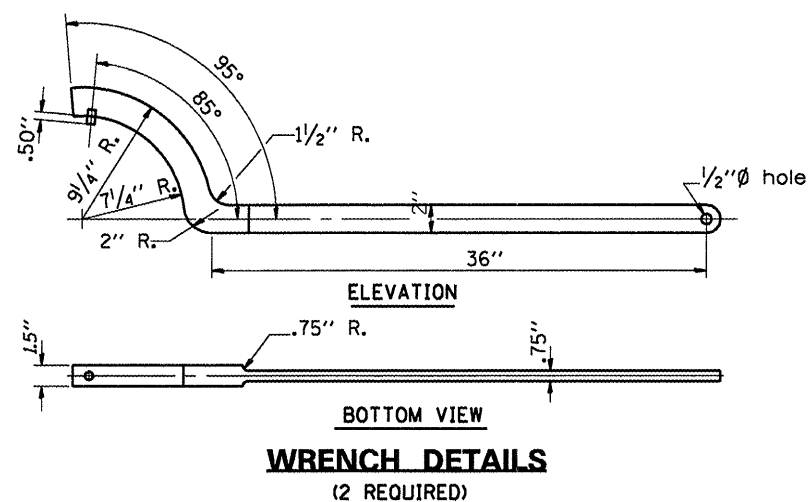
PIN DETAIL



OUTSIDE AND INSIDE NUT DETAIL



SECTION THRU PIN AND LINK



**WRENCH DETAILS
(2 REQUIRED)**

PIN AND LINK DETAILS
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

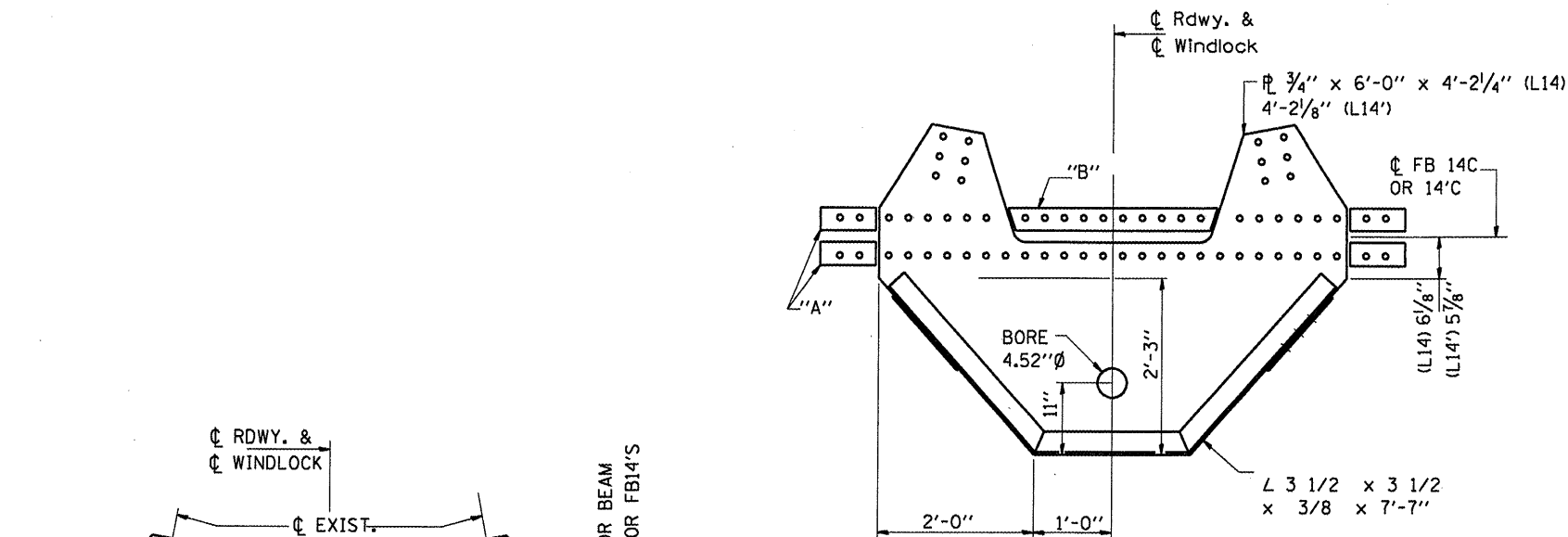
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| FILE NAME = | USER NAME = woodshankr1 | DESIGNED = RON WOODSHANK | REVISED = |
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| | PLOT SCALE = 100.0000 / IN. | CHECKED = | REVISED = |
| | PLOT DATE = Oct 15, 2008 - 07:07:22 AM | DATE = | REVISED = |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

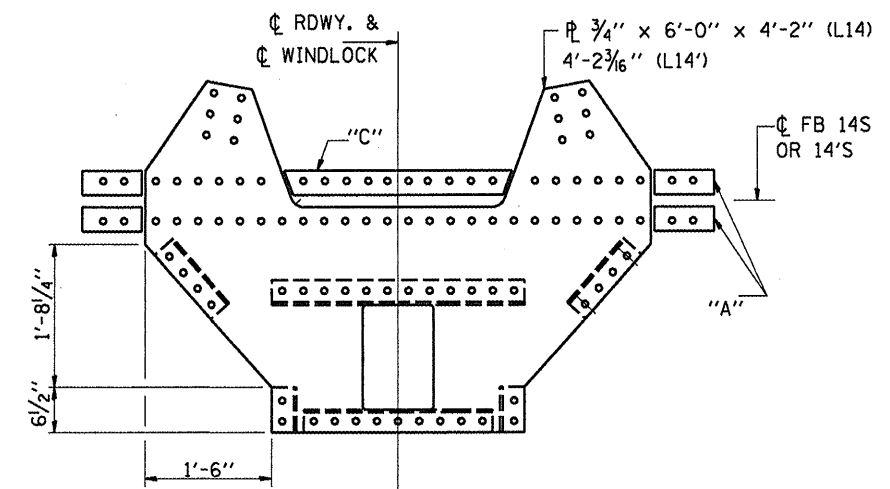
FOR INFORMATION ONLY

SCALE: _____ SHEET NO. 20 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

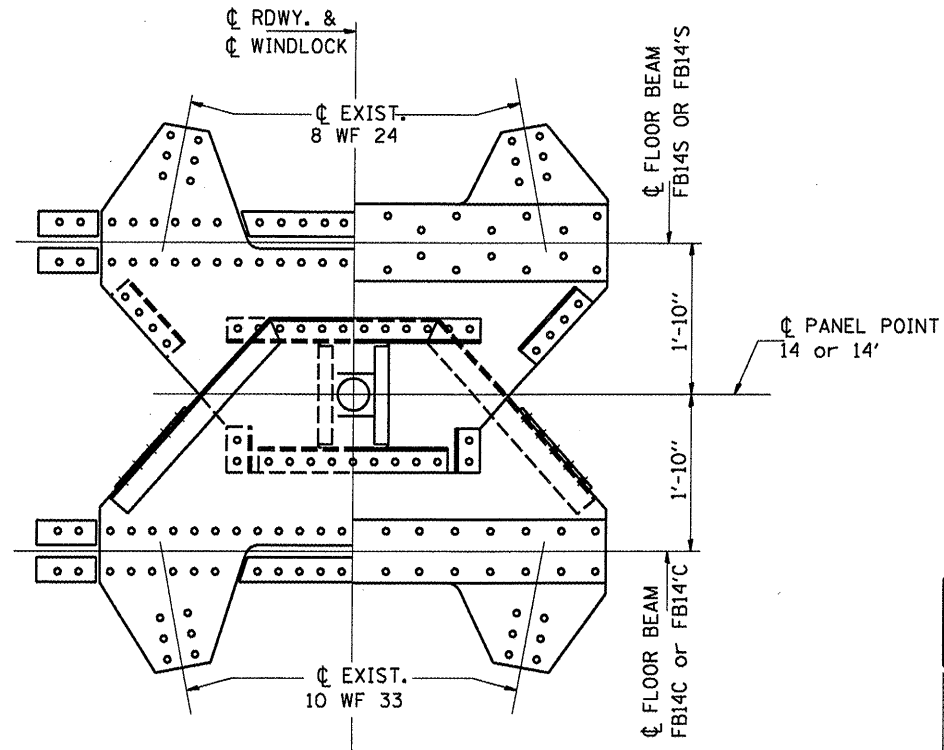
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| F.A.P. RTE. 46 | SECTION (1-BD)BP | COUNTY LASALLE | TOTAL SHEETS 38 | SHEET NO. 28 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 66854 | | | | |



TOP PLATE

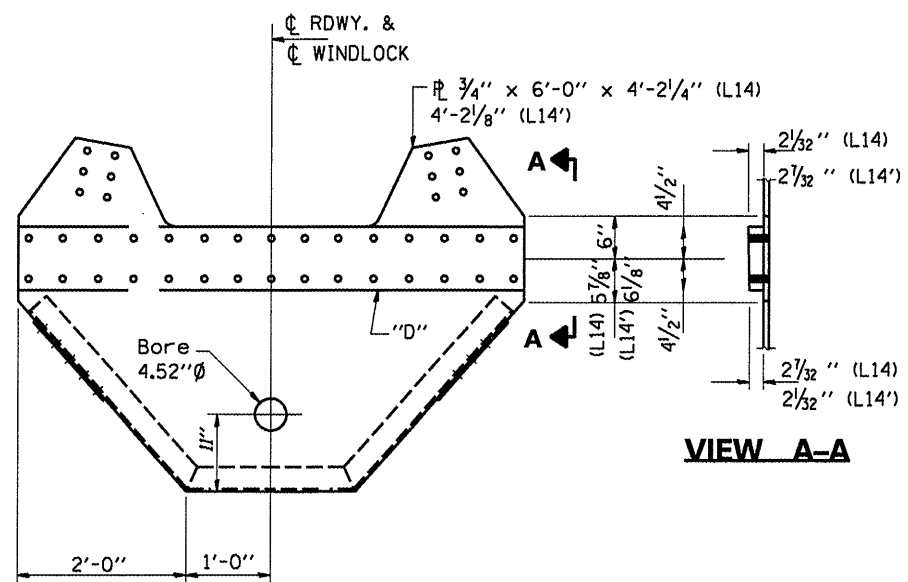


TOP PLATE



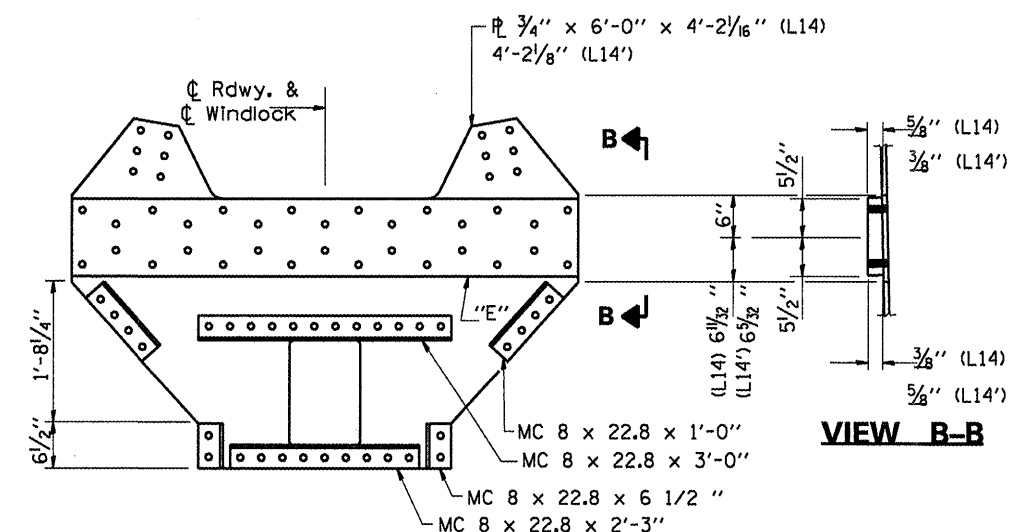
HALF PLAN HALF SECTION

**HALF PLAN - WINDLOCK ASSEMBLY
FB L14 OR L14'**



BOTTOM PLATE

**HALF PLAN - WINDLOCK ASSEMBLY
FB 14C OR 14'C**

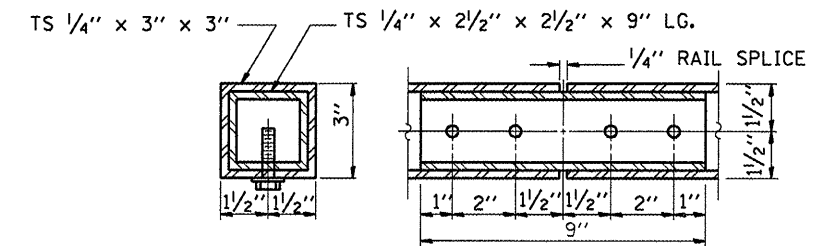
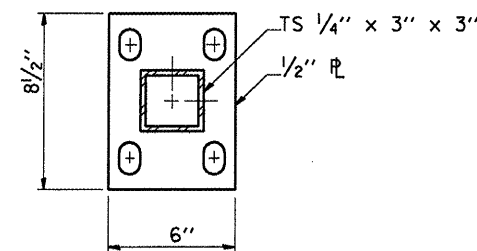
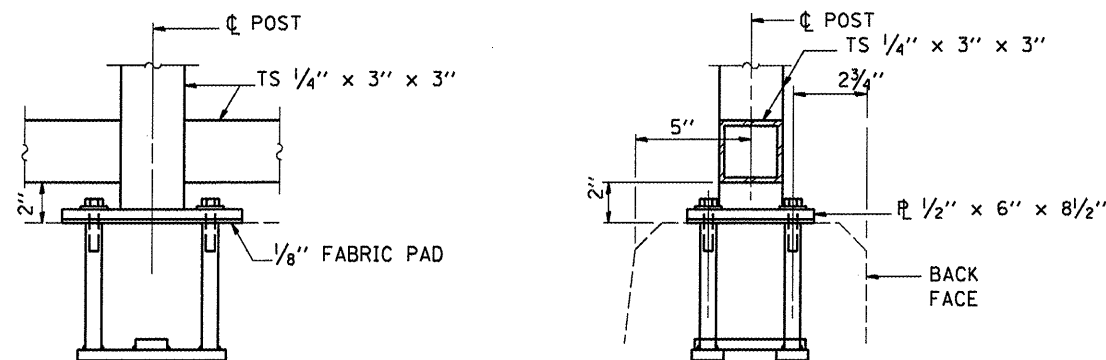
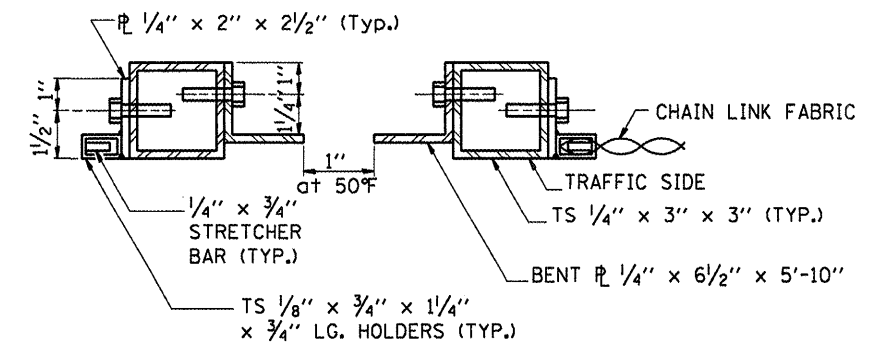
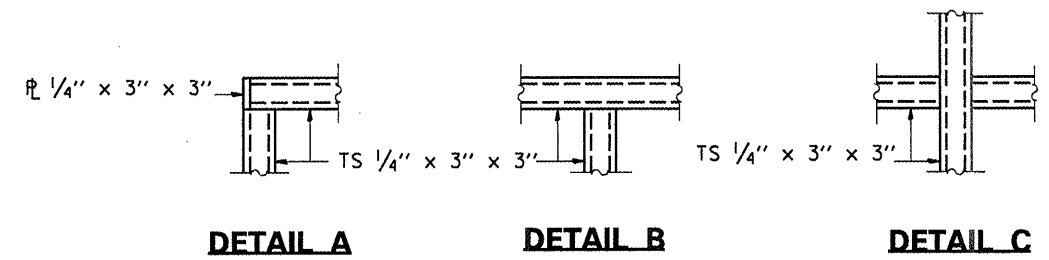
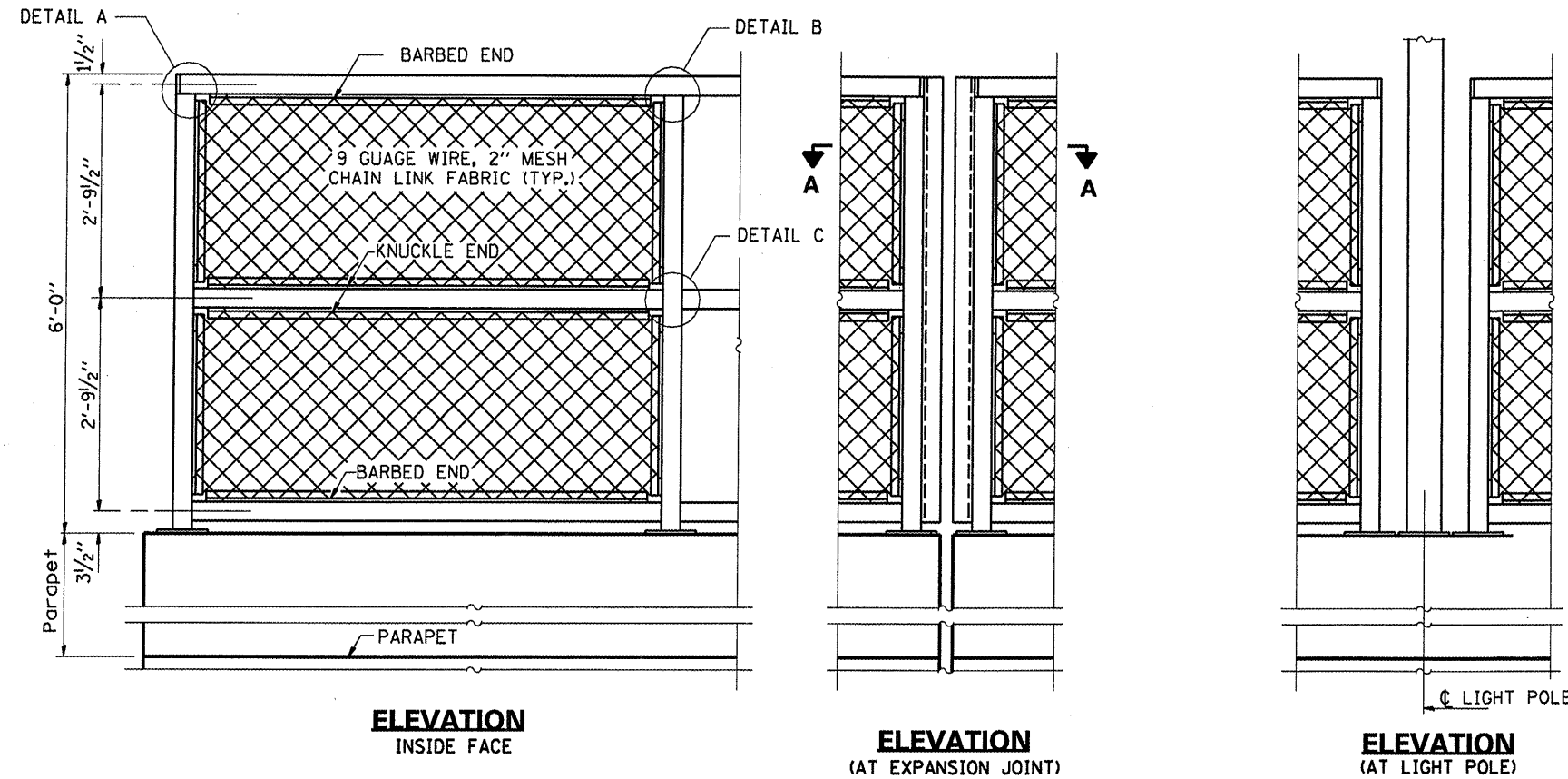


BOTTOM PLATE

VIEW B-B

WINDLOCK ASSEMBLY
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

| | | | | | | | | | | | | |
|--|-------------------------|--------------------------|--------------|---|-----------------------------|---------------------------|----------------------------------|---|--------------------|----------------|--|--|
| FILE NAME = | USER NAME = woodshankr1 | DESIGNED = RON WOODSHANK | REVISED = | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | FOR INFORMATION ONLY | F.A.P. RTE. = 46 | SECTION = (1-BD)BP | COUNTY = LASALLE | TOTAL SHEETS = 38 | SHEET NO. = 29 | | |
| ct:\pw_work\FWIDOT\WOODSHANKR1\dms29379\0366854-shd-detail.dgn | DRAWN = RON WOODSHANK | REVISED = | SCALE: _____ | | | SHEET NO. 21 OF 30 SHEETS | STA. 193+08.08 TO STA. 216+13.82 | FED. ROAD DIST. NO. = ILLINOIS FED. AID PROJECT | CONTRACT NO. 66854 | | | |
| PLOT SCALE = 100.0000' / IN. | CHECKED = | REVISED = | | | | | | | | | | |
| PLOT DATE = Oct 15, 2008 - 07:07:26 AM | DATE = | REVISED = | | | | | | | | | | |



PEDESTRIAN RAILING
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

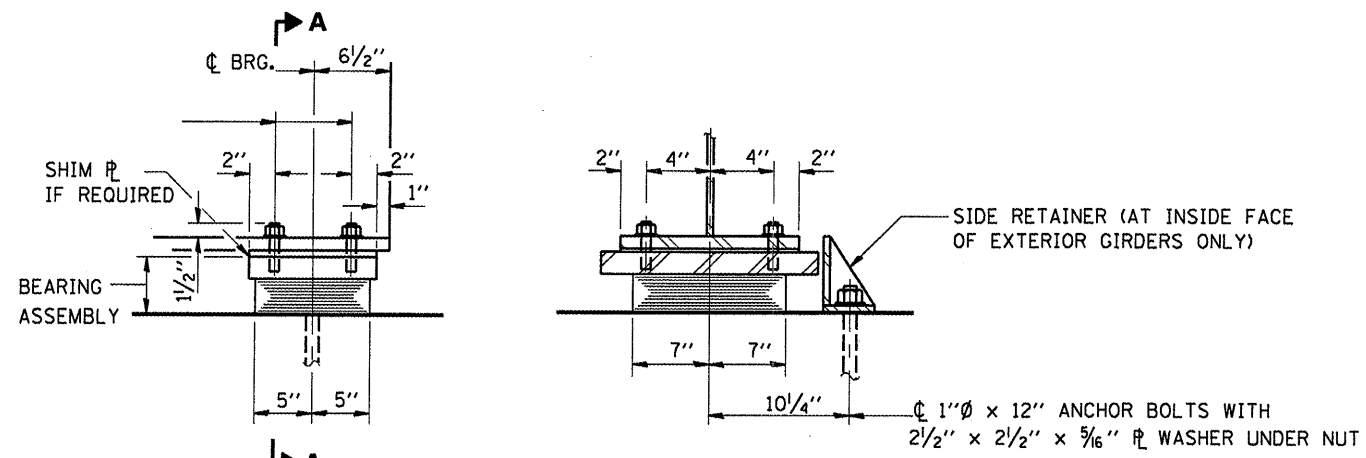
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| | PLOT SCALE = 100.0000' / IN. | CHECKED = | REVISED = |
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY

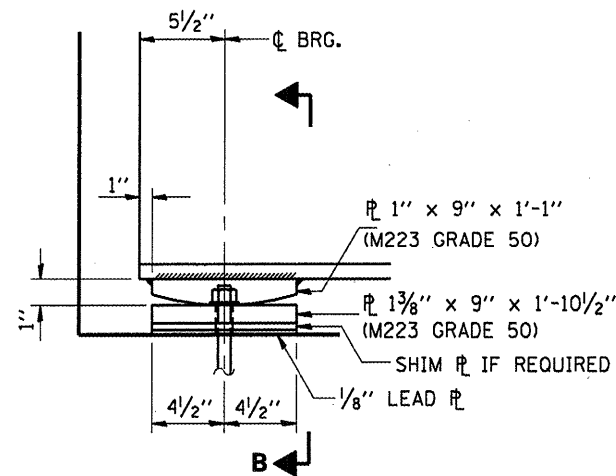
SCALE: _____ SHEET NO. 22 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|---------|--------------------|-----------|
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| FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |



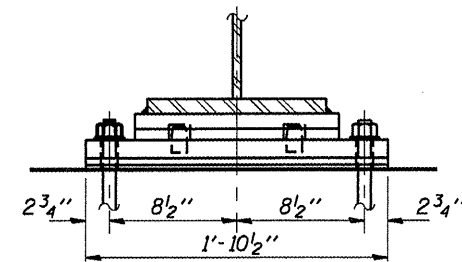
**ELEVATION AT PIER 1 - SPAN 1
AND PIER 12 - SPAN 13**

TYPE I ELASTOMERIC EXP. BRG.

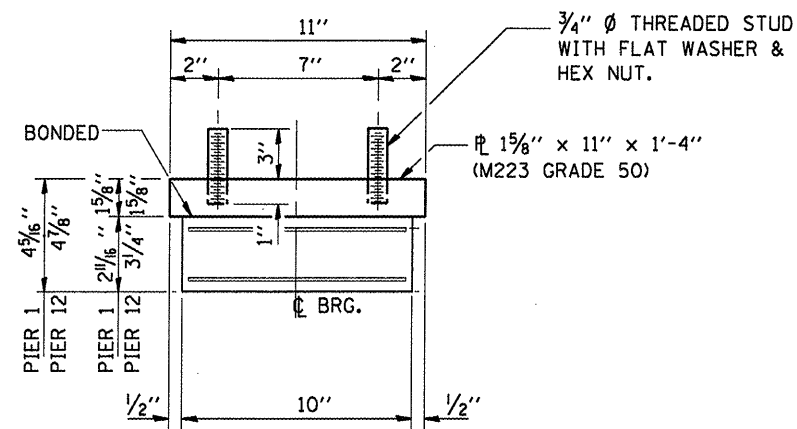


ELEVATION AT ABUTS.

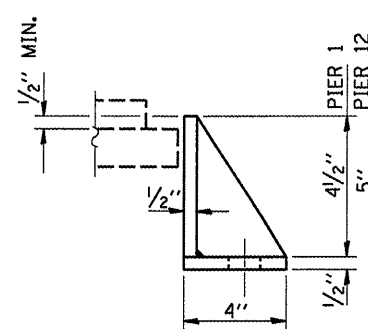
FIXED BEARING ASSEMBLY



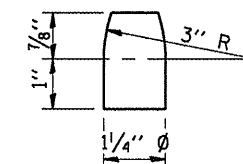
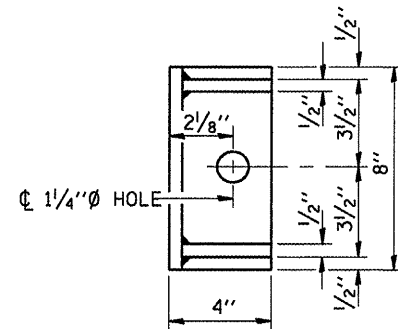
SECTION B-B



BEARING ASSEMBLY



SIDE RETAINER



PINTLE

BEARING DETAILS

N & S ABUTS.

PIER 1 - SPAN 1 & PIER 12 - SPAN 13

FAP RTE 46 SEC (1-BD)BP

LASALLE COUNTY

STA 204+67.75

SN 050-0079

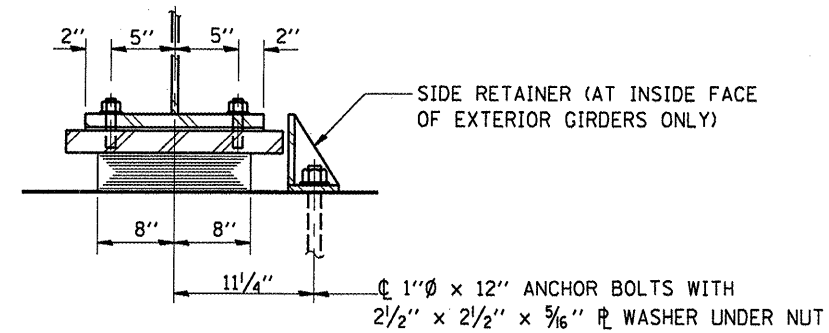
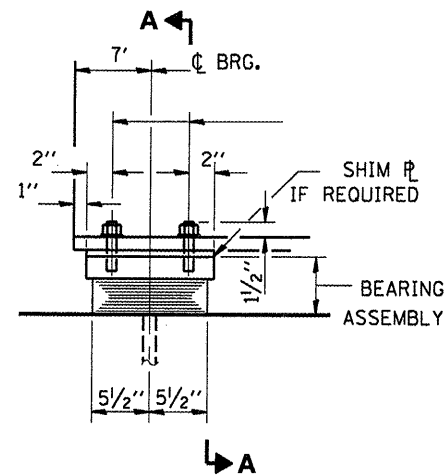
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| FILE NAME = | USER NAME = woodshankr1 | DESIGNED = RON WOODSHANK | REVISED = |
| c:\pwork\pwork\WOODSHANKRL\dms29378 | d366854-shr-details.dgn | DRAWN = RON WOODSHANK | REVISED = |
| | PLOT SCALE = 100.0000 / IN. | CHECKED = | REVISED = |
| | PLOT DATE = Oct 15, 2008 - 07:07:36 AM | DATE = | REVISED = |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FOR INFORMATION ONLY

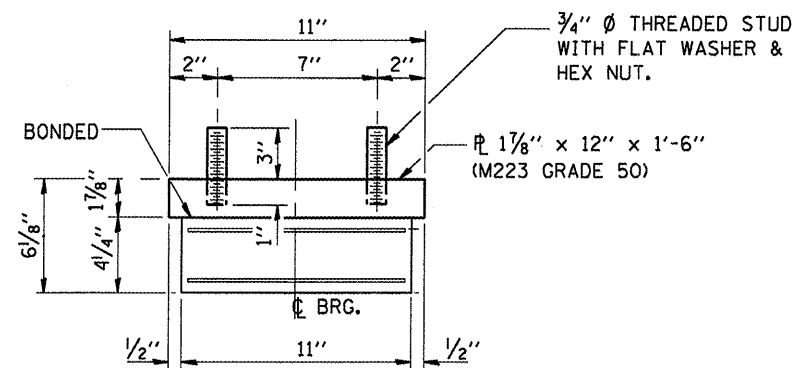
SCALE: SHEET NO. 23 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|---------|--------------------|-----------|
| 46 | (1-BD)BP | LASALLE | 38 | 31 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |

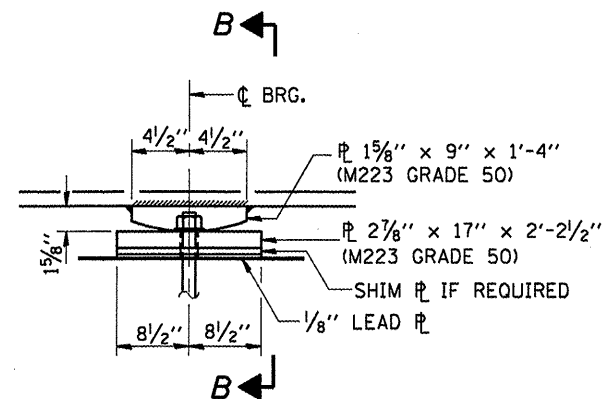


ELEVATION AT PIER 1 - SPAN 2 AND PIER 3 - SPAN 3

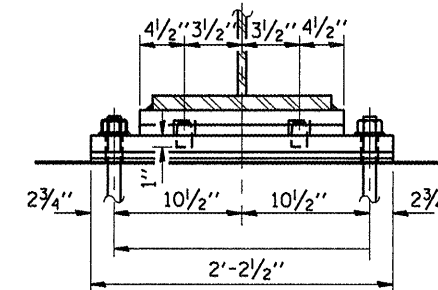
SECTION A-A



BEARING ASSEMBLY

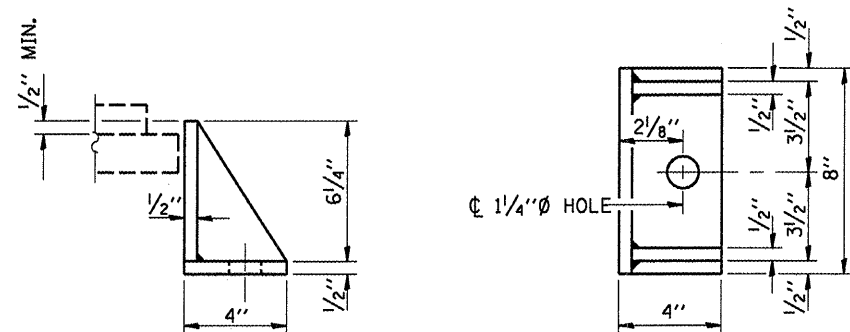


ELEVATION AT PIER 2

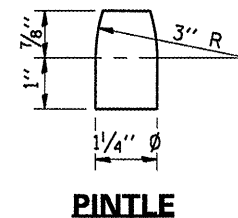


SECTION B-B

FIXED BEARING ASSEMBLY



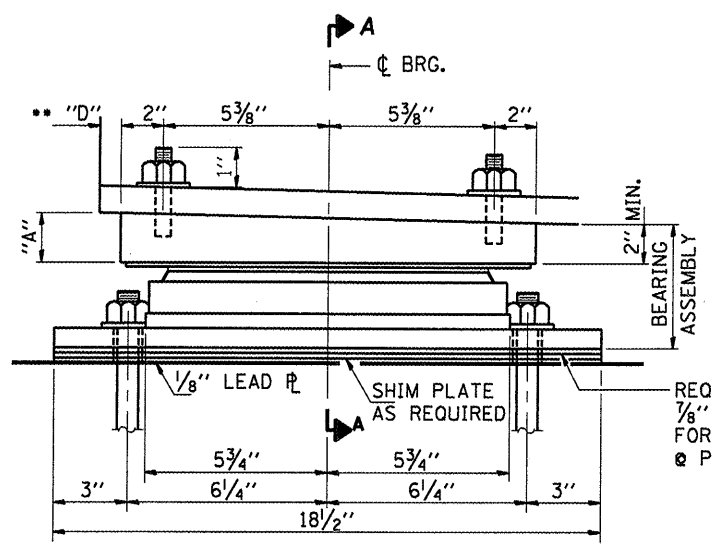
SIDE RETAINER



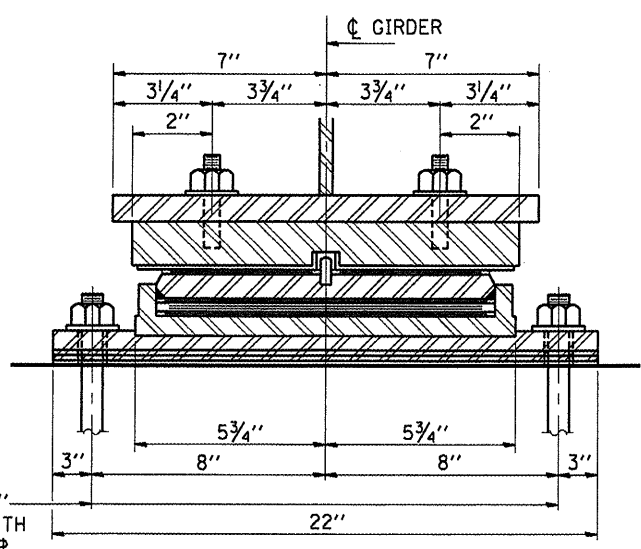
PINTLE

**BEARING DETAILS
PIER 1 - SPAN 2 &
PIER 2 & PIER 3 - SPAN 3
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079**

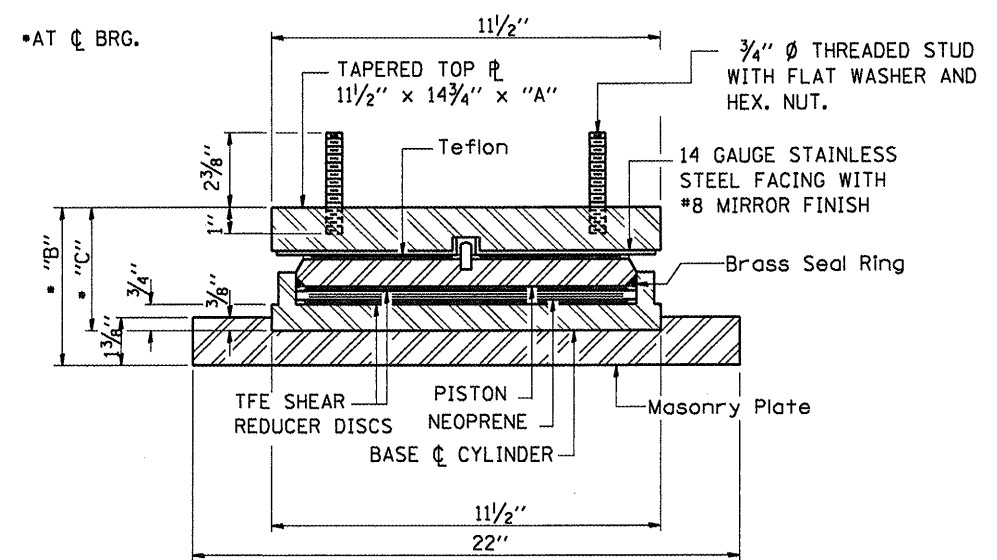
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| FILE NAME = | USER NAME = woodshankr1 | DESIGNED = RON WOODSHANK | REVISED = | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | FOR INFORMATION ONLY | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| d:\pwork\pwork\WOODSHANKR1\dms29378 | d368854-shd-details.dgn | DRAWN = RON WOODSHANK | REVISED = | | | 46 | (1-BD)BP | LASALLE | 38 | 32 | |
| PLOT SCALE = 100.0000 / IN. | | CHECKED = | REVISED = | | | CONTRACT NO. 66854 | | | | | |
| PLOT DATE = Oct 15, 2008 - 07:07:43 AM | | DATE = | REVISED = | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | |
| | | | | | | SCALE: _____ | SHEET NO. 24 OF 30 SHEETS | | STA. 193+08.08 TO STA. 216+13.82 | | |



**ELEVATION AT PIER 6 (SPAN 7)
PIER 9 (SPANS 9 & 10) AND PIER 12 (SPAN 1)**

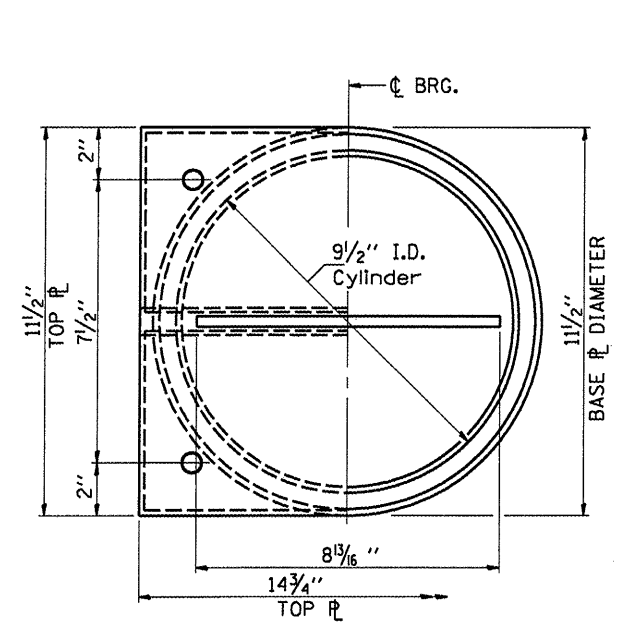


SECTION A-A

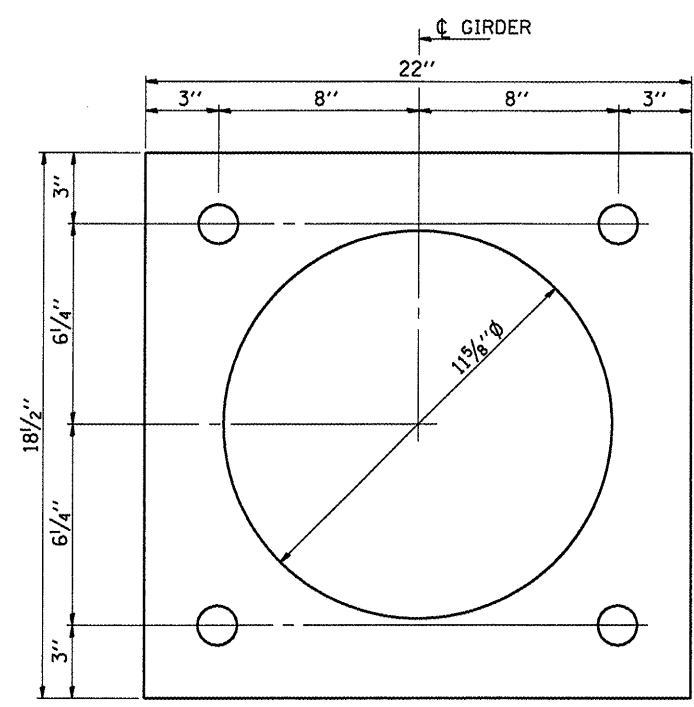


BEARING ASSEMBLY

EXPANSION FLOATING BEARING



**CUT-AWAY PLAN
(HALF OF TOP PLATE SHOWN)**

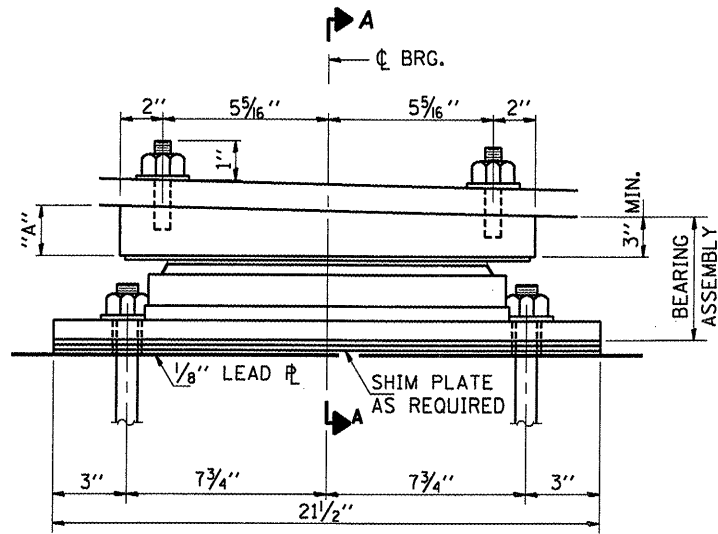


MASONRY PLATE DETAIL

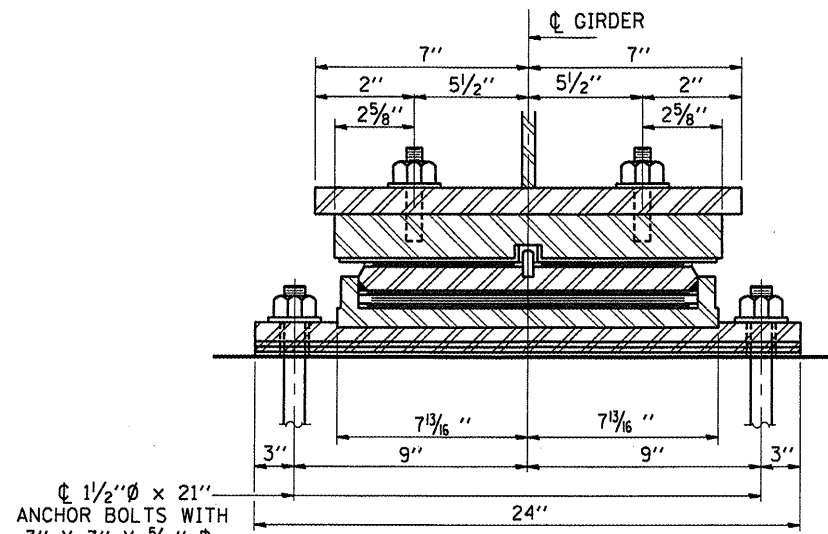
DIMENSIONS "A", "B" "C" & "D"

| Location | "A" | "B" | "C" | "D" |
|-----------------------|---------|---------|---------|------|
| Pier 6 (Span 7) | 2 5/16" | 5 5/8" | 4 5/8" | 1/8" |
| Pier 9 (Spans 9 & 10) | 2 7/16" | 5 1/16" | 4 1/16" | 1/8" |
| Pier 12 (Span 12) | 2 7/16" | 5 1/16" | 4 1/16" | 1/8" |

**BEARING DETAILS
PIER 6 - SPAN 7
PIER 9 SPANS 9 & 10
PIER 12 - SPAN 12
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079**

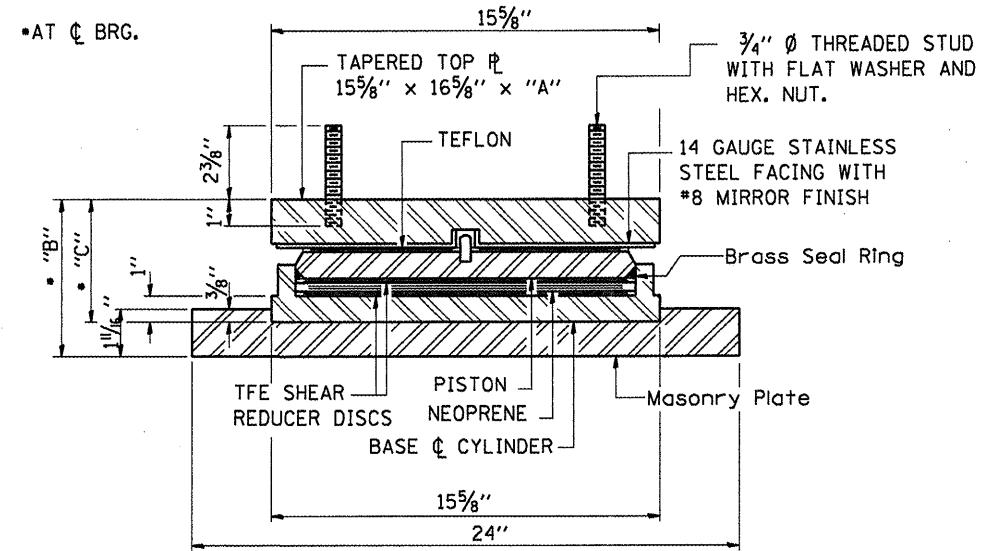


ELEVATION AT PIER 7 AND 10



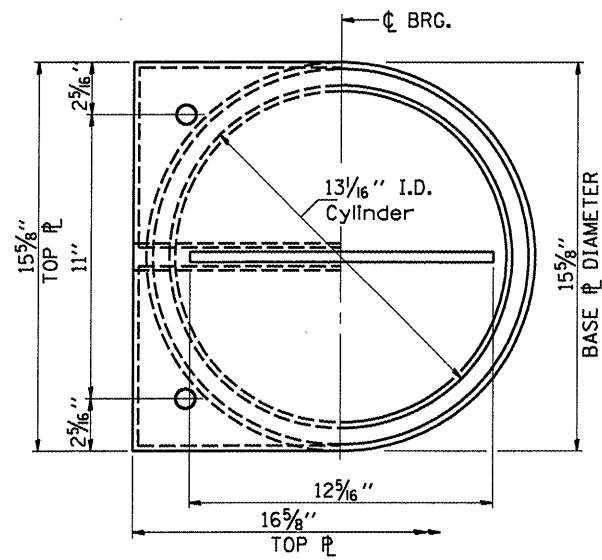
SECTION A-A

1/2" Ø x 21" ANCHOR BOLTS WITH 3" x 3" x 5/16" PLATE WASHER UNDER NUT.

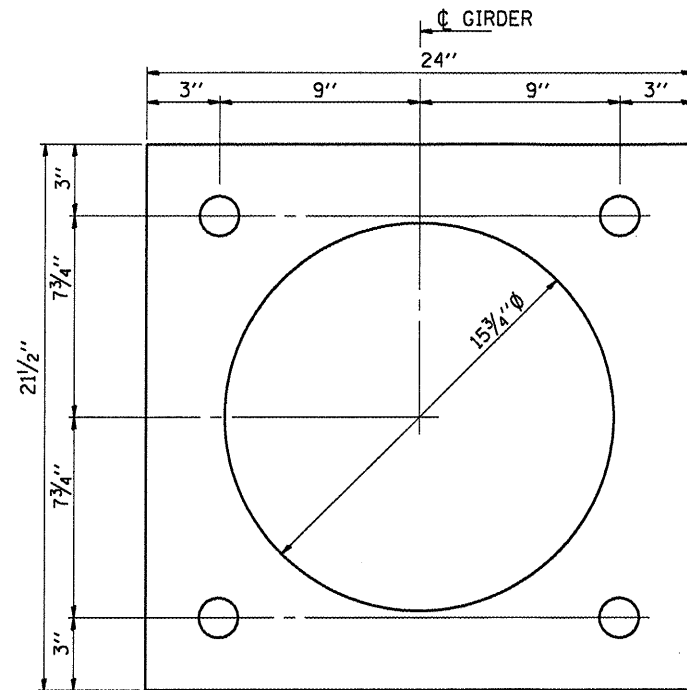


BEARING ASSEMBLY

EXPANSION FLOATING BEARING



CUT-AWAY PLAN
(HALF OF TOP PLATE SHOWN)

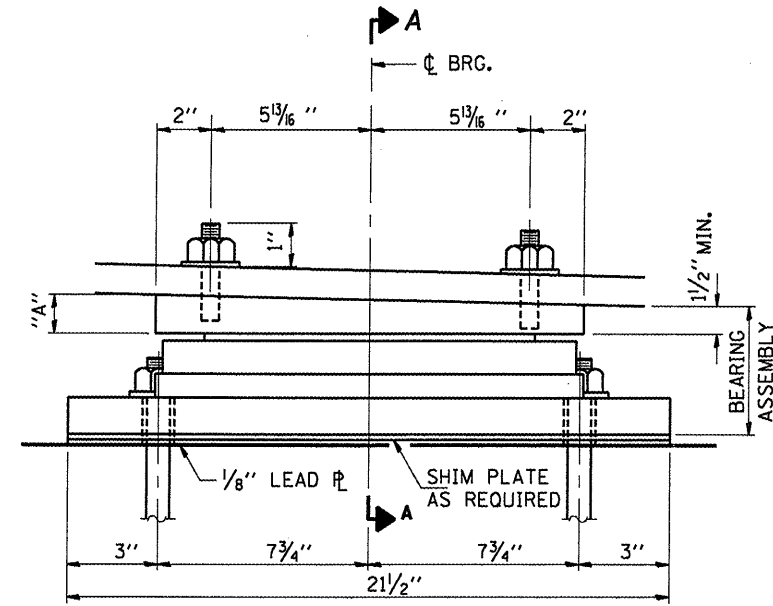


MASONRY PLATE DETAIL

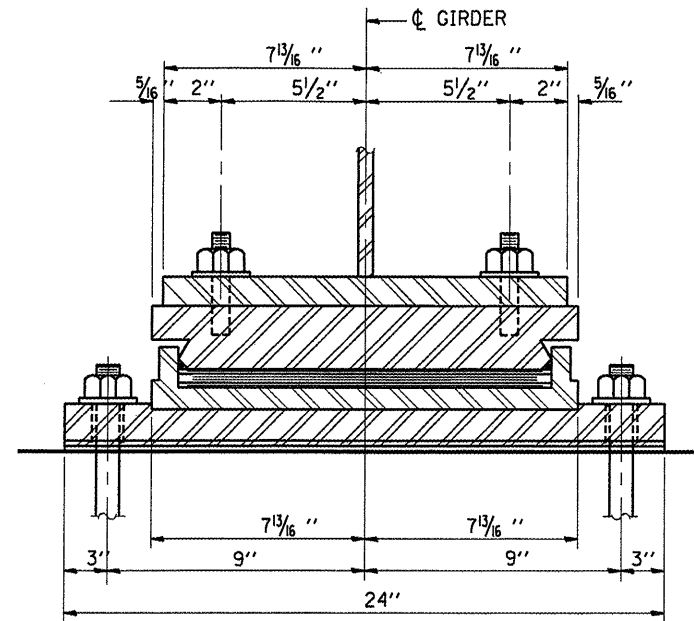
DIMENSIONS "A", "B" & "C"

| Location | "A" | "B" | "C" |
|----------|---------|---------|--------|
| PIER 7 | 3 1/16" | 7 1/16" | 6 3/8" |
| PIER 10 | 3 1/2" | 7 1/16" | 6 3/8" |

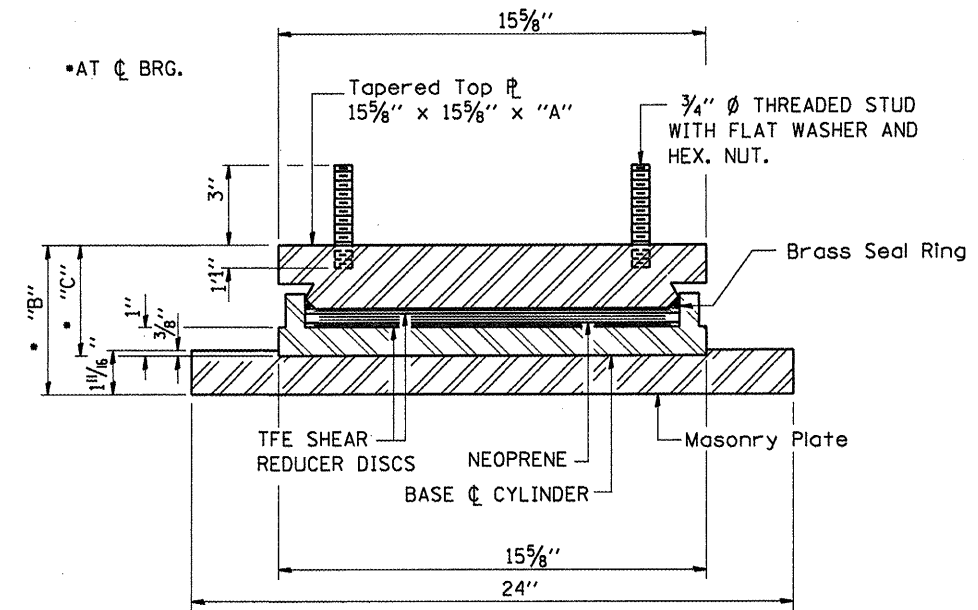
BEARING DETAILS
PIER 7 AND 10
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079



ELEVATION AT PIER 8 AND 11

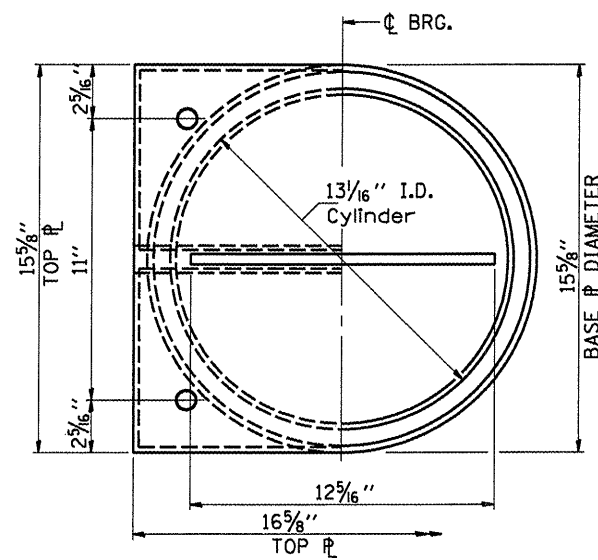


SECTION A-A

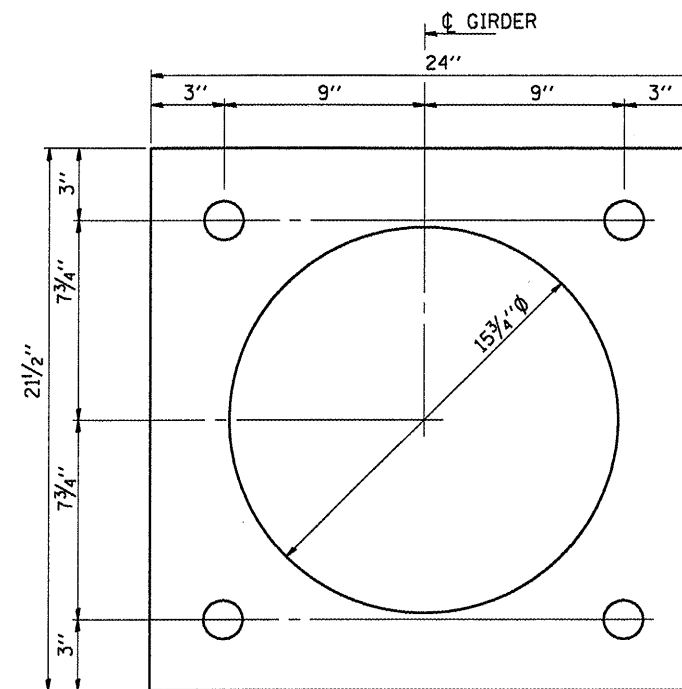


BEARING ASSEMBLY

EXPANSION FLOATING BEARING



CUT-AWAY PLAN
(HALF OF TOP PLATE SHOWN)



MASONRY PLATE DETAIL

DIMENSIONS "A", "B" & "C"

| Location | "A" | "B" | "C" |
|----------|----------|-------|-----------|
| PIER 8 | 1 5/16 " | 6/8 " | 4 13/16 " |
| PIER 11 | 2 " | 6/8 " | 4 13/16 " |

BEARING DETAILS

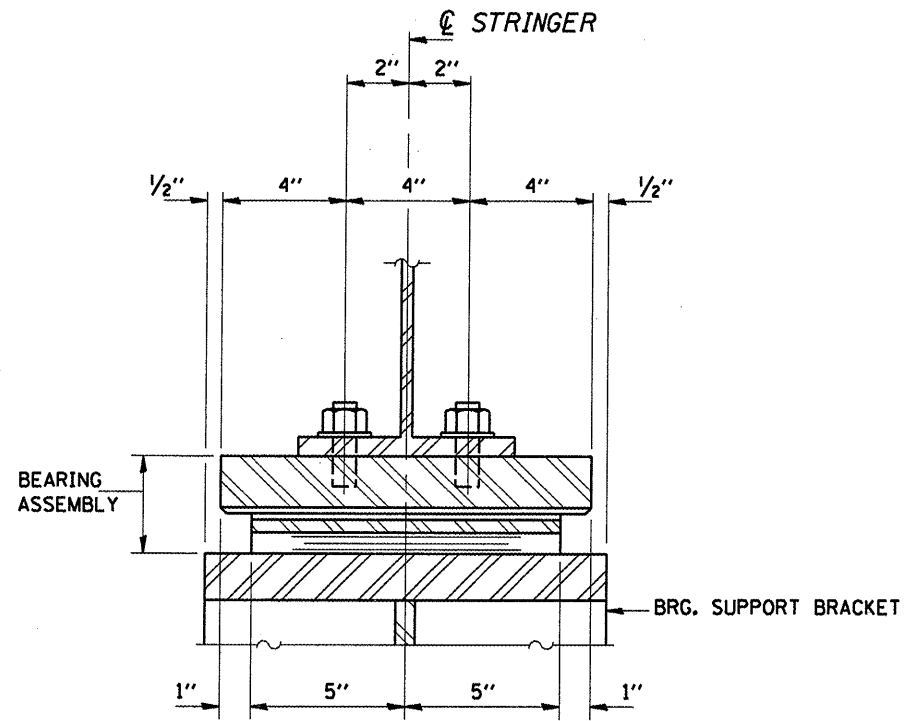
PIERS 8 & 11

FAP RTE 46 SEC (1-BD)BP

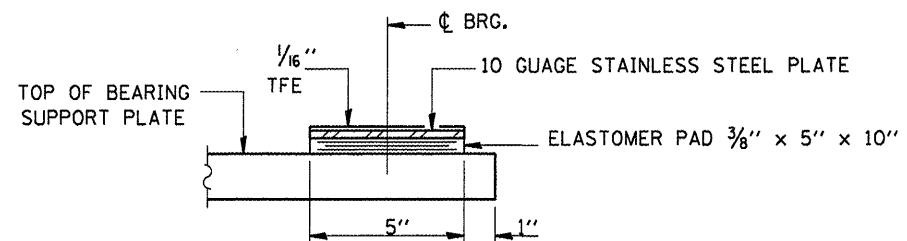
LASALLE COUNTY

STA 204+67.75

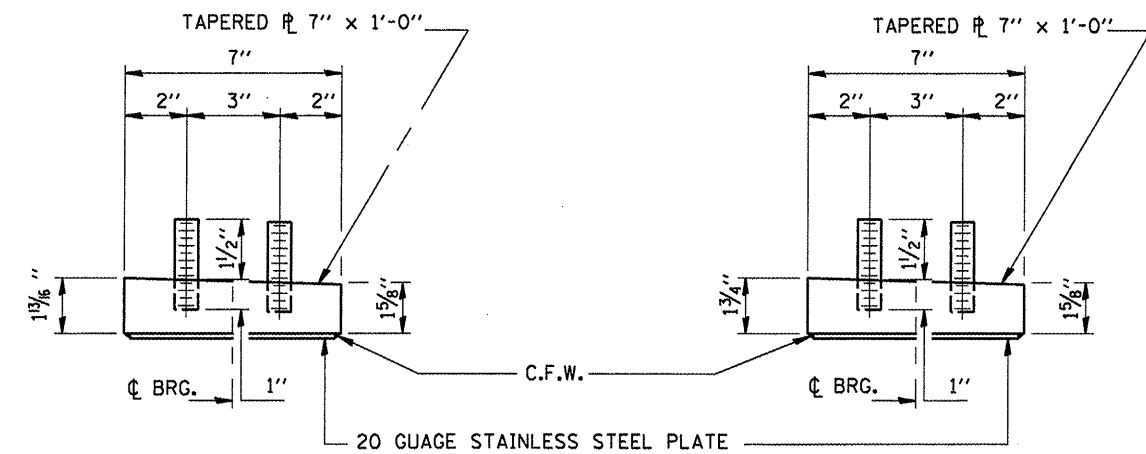
SN 050-0079



SECTION AT RELIEF JOINT BEARING
TYPICAL FOR ALL RELIEF JOINTS



BOTTOM BEARING ASSEMBLY
TYPICAL FOR ALL RELIEF JOINTS



TOP BEARING ASSEMBLY
LOOKING EAST AT FLOOR BEAMS
FB3, 6, 9, 12 & 17

TOP BEARING ASSEMBLY
LOOKING EAST AT FLOOR BEAMS
FB3', 6', 9', 12' & 17'

**BEARING DETAILS
AT RELIEF JOINTS
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079**

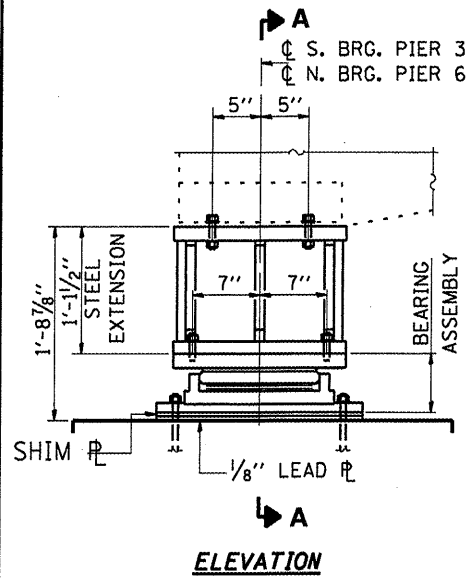
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| | PLOT SCALE = 100.0000 ' / IN. | CHECKED = | REVISED = |
| | PLOT DATE = Oct 15, 2008 - 07:08:05 AM | DATE = | REVISED = |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

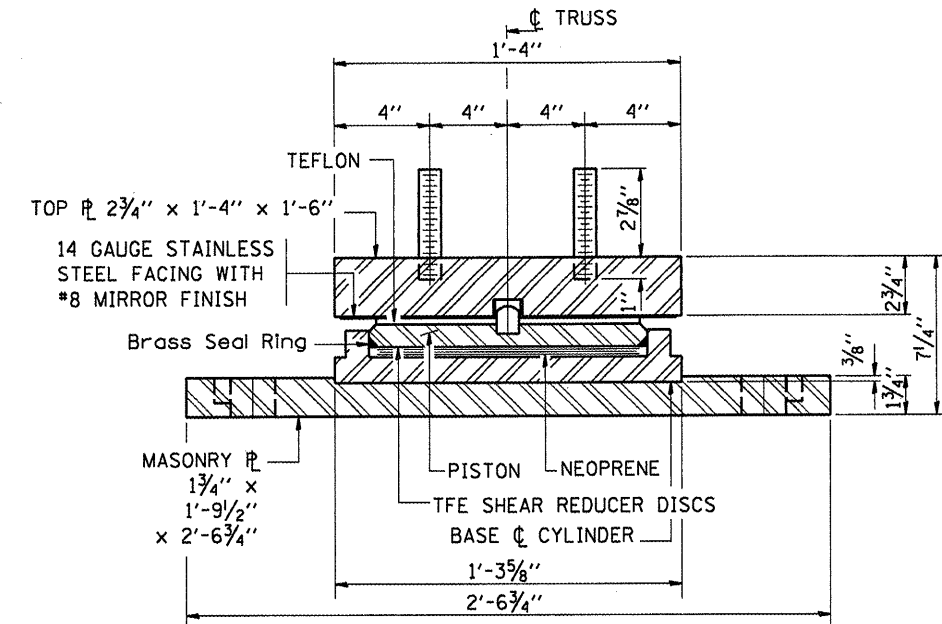
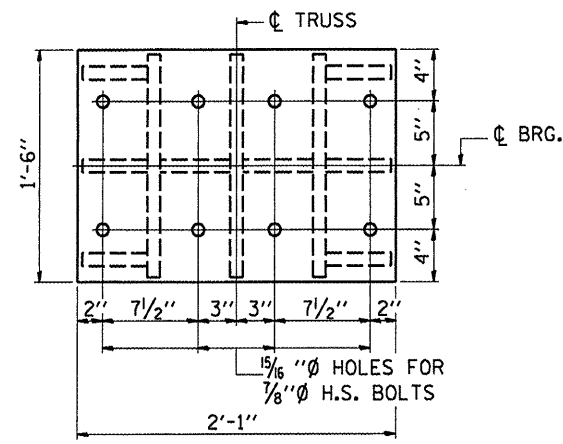
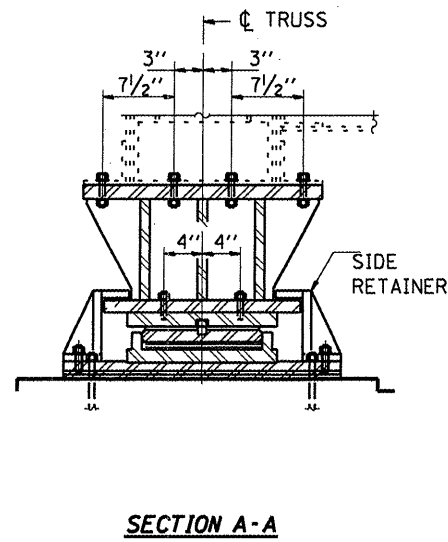
FOR INFORMATION ONLY

SCALE: _____ SHEET NO. 28 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

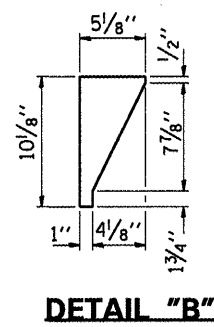
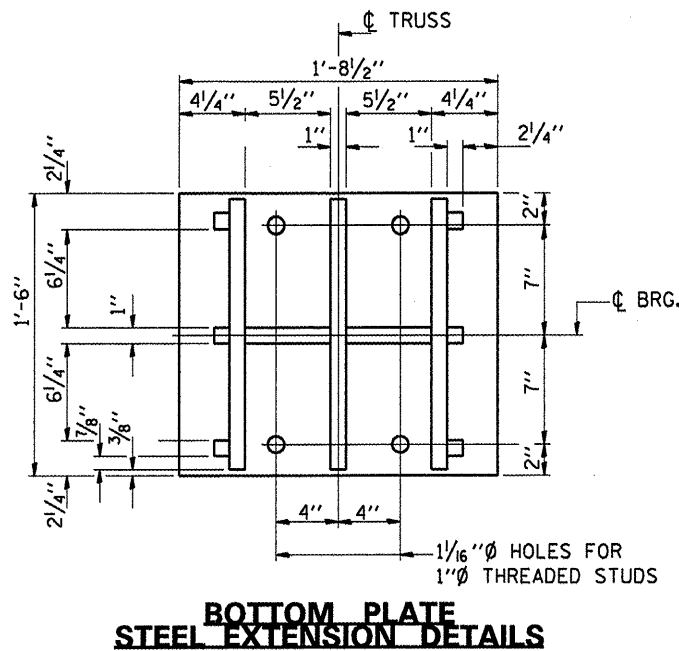
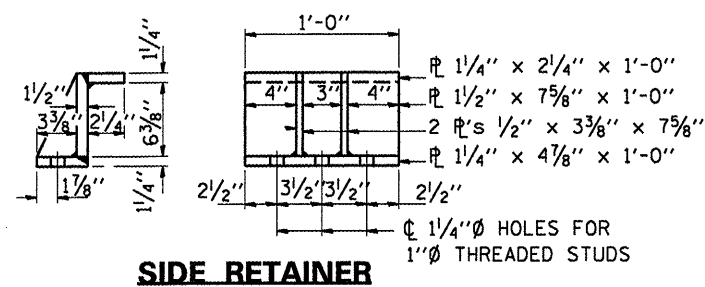
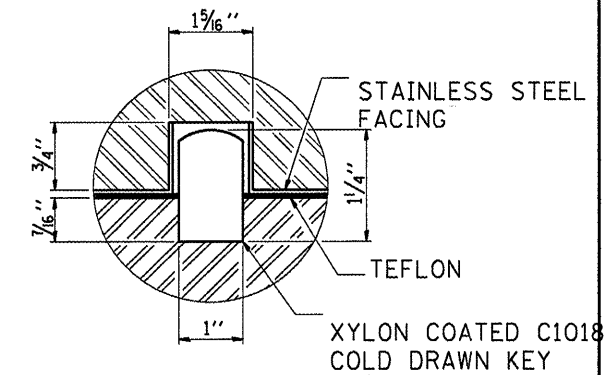
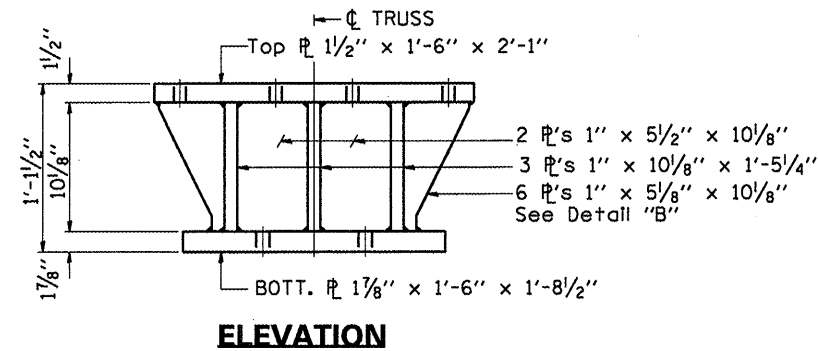
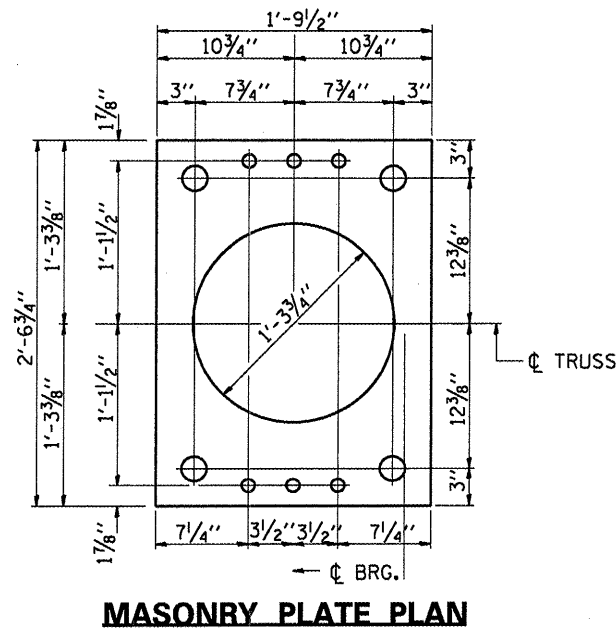
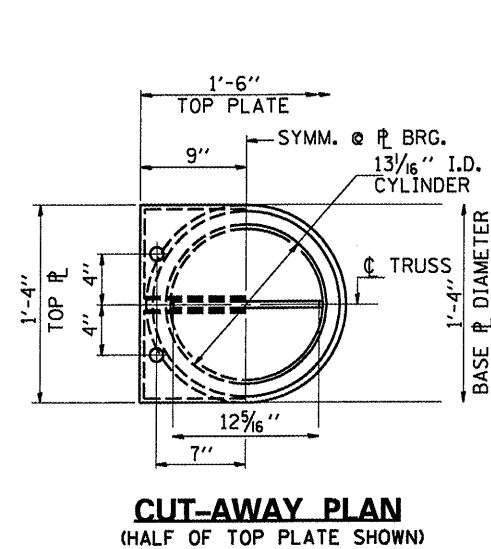
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|---|----------|---------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 46 | (1-BD)BP | LASALLE | 38 | 36 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |



EXPANSION FLOATING BEARING

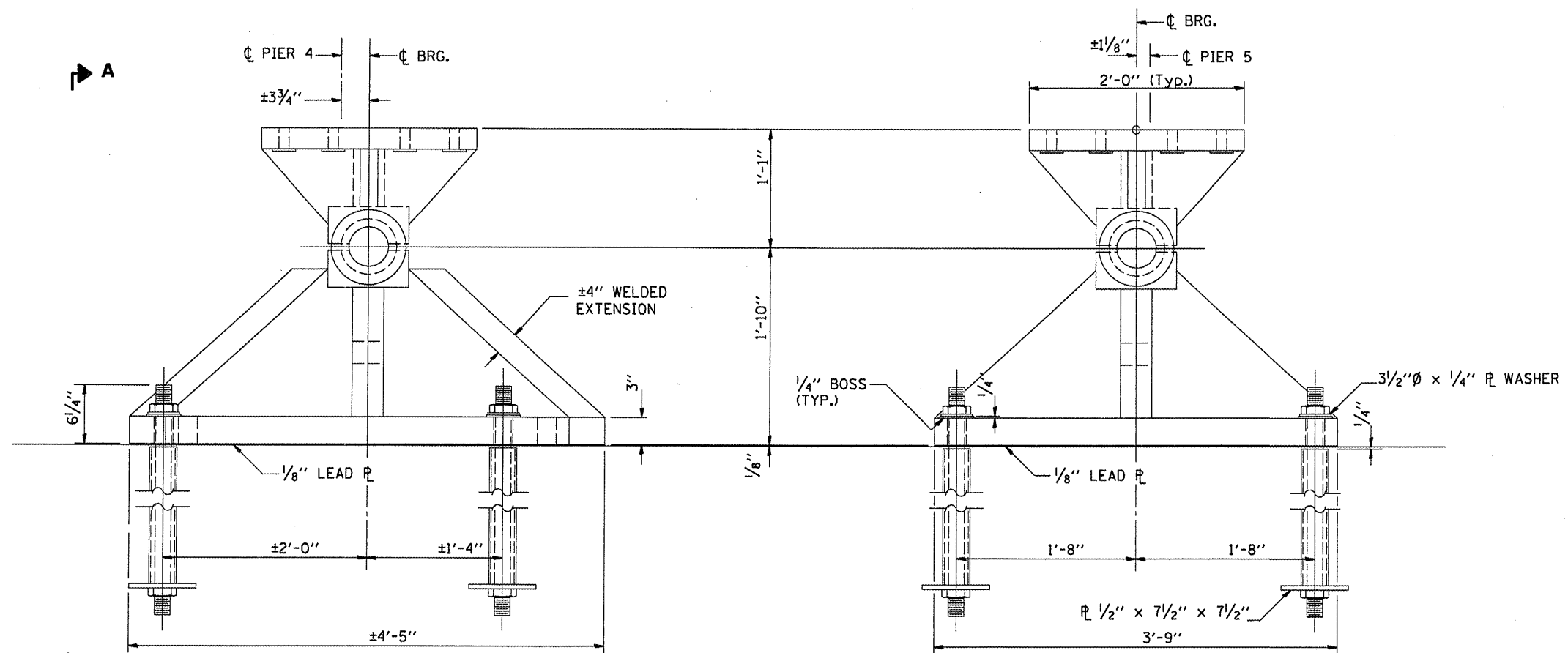


BEARING ASSEMBLY



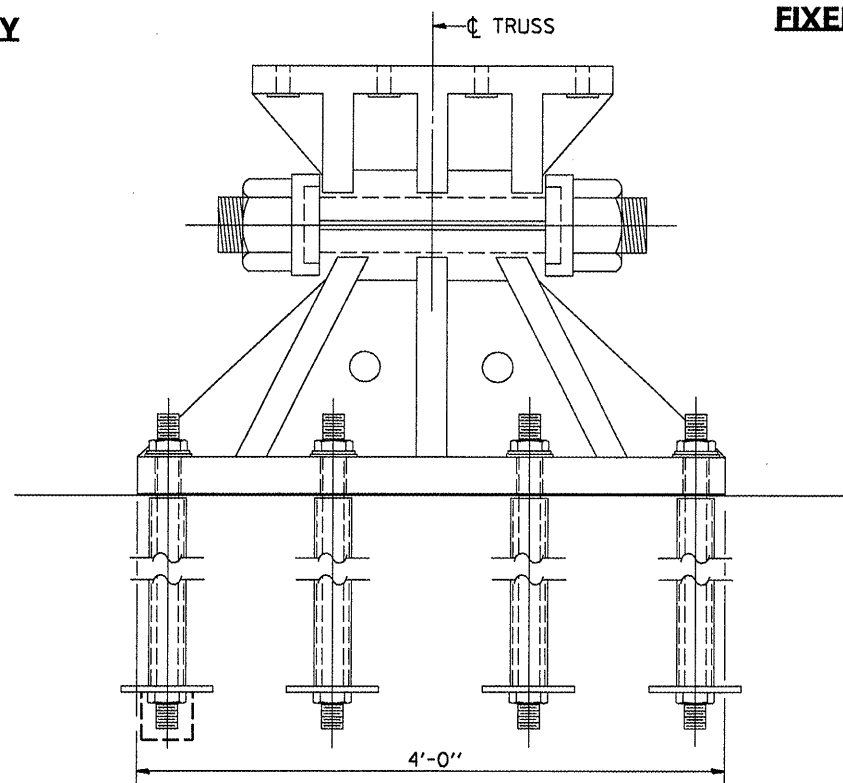
BEARING DETAILS
PIER 3 - SPAN 4 &
PIER 6 - SPAN 6
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079

| | | | | | | | | | | | |
|--|--------------------------|--------------------------|------------|---|-----------------------------|---|-----------|----------|----------------|-------------|--|
| FILE NAME = | USER NAME = woodshank-r1 | DESIGNED = RON WOODSHANK | REVISED = | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | FOR INFORMATION ONLY | F.A.P. RTE. = | SECTION = | COUNTY = | TOTAL SHEETS = | SHEET NO. = | |
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| PLOT SCALE = 100,0000 / IN. | CHECKED = | REVISIED = | REVISIED = | | | CONTRACT NO. 66854 | | | | | |
| PLOT DATE = Oct 15, 2008 - 07:08:09 AM | DATE = | REVISIED = | REVISIED = | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | |



**FIXED SHOE ASSEMBLY
(AT PIER 4)**

**FIXED SHOE ASSEMBLY
(AT PIER 5)**



VIEW A-A

**BEARING DETAILS
FIXED BEARINGS AT PIERS 4 & 5
FAP RTE 46 SEC (1-BD)BP
LASALLE COUNTY
STA 204+67.75
SN 050-0079**

| | | | |
|--------------------------------------|--|--------------------------|-----------|
| FILE NAME = | USER NAME = woodshankr1 | DESIGNED = RON WOODSHANK | REVISED = |
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| | PLOT SCALE = 100.0000 / IN. | CHECKED = | REVISED = |
| | PLOT DATE = Oct 15, 2008 - 07:08:14 AM | DATE = | REVISED = |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FOR INFORMATION ONLY

SCALE: SHEET NO. 30 OF 30 SHEETS STA. 193+08.08 TO STA. 216+13.82

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|---------|--------------------|-----------|
| 46 | (1-BD)BP | LASALLE | 38 | 38 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66854 | |