

| F.A. RTE. | SECTION             | COUNTY   | TOTAL SHEETS       | SHEET NO. |
|-----------|---------------------|----------|--------------------|-----------|
| *         | (1HB)BP & (1HB-1)BP | LASALLE  | 20                 | 1         |
|           |                     | ILLINOIS | CONTRACT NO. 66F77 |           |

\*FAP 623 (US 6) & FAU 6087 (7th STREET)

1. COVER SHEET
2. GENERAL NOTES
- 3-4. SUMMARY OF QUANTITIES
5. TYPICAL SECTIONS
6. SCHEDULES
7. STAGING DETAILS
- 8-9. STAGE I TRAFFIC CONTROL DETAILS
- 10-11. STAGE II TRAFFIC CONTROL DETAILS
12. PAVEMENT MARKING DETAILS
- 13-16. EXISTING PLANS FOR STRUCTURE NO. 050-0027, FOR INFORMATION ONLY
- 17-19. EXISTING PLANS FOR STRUCTURE NO. 050-0140, FOR INFORMATION ONLY
20. TYPICAL PAVEMENT MARKINGS

**STANDARDS**

- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701426-09 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
- 701901-06 TRAFFIC CONTROL DEVICES
- 704001-08 TEMPORARY CONCRETE BARRIER

# PROPOSED HIGHWAY PLANS

F.A.P. 623 (US 6) & F.A.U. 6087 (7th STREET)

SECTION (1HB)BP & (1HB-1)BP

BRIDGE PAINTING

LASALLE COUNTY

C-93-003-17

**PROJECT LOCATION NO. 2**

STRUCTURE NO. 050-0140

CARRYING 7th STREET OVER IL 251

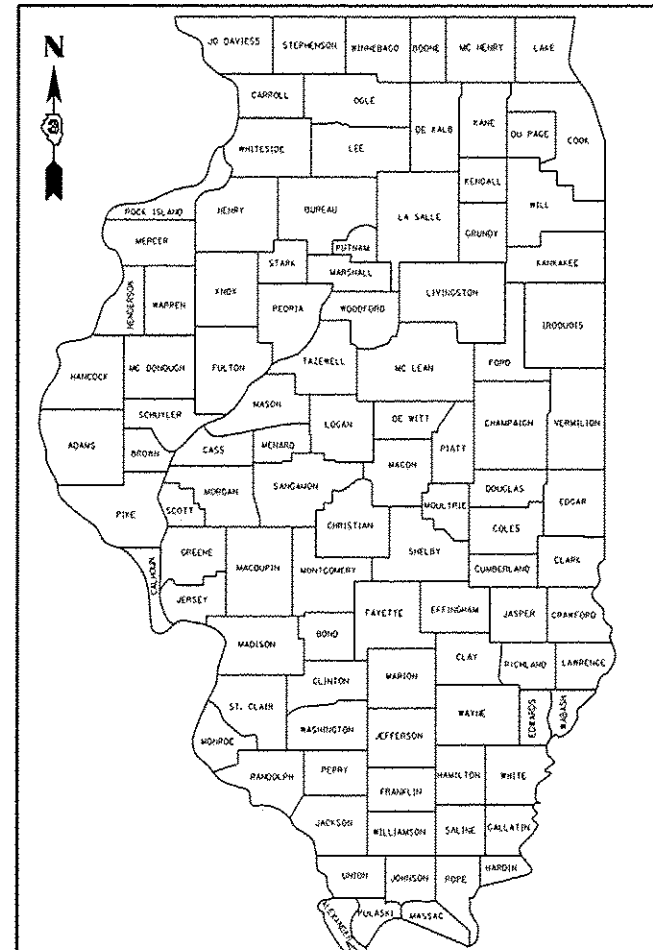
0.2 MILES NORTH OF US 6 (PERU)

**PROJECT LOCATION NO. 1**

STRUCTURE NO. 050-0027

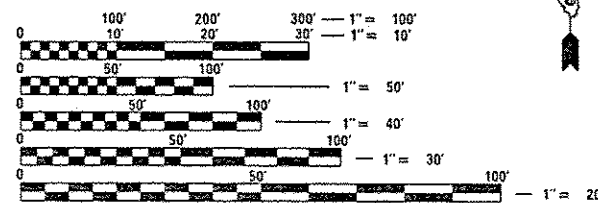
CARRYING US 6 OVER IL 251

SOUTH EDGE OF PERU



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

| URBAN          |                 |              |
|----------------|-----------------|--------------|
| OTHER ARTERIAL | MAJOR COLLECTOR |              |
| US 6           | IL 251          | 7TH ST.      |
| ADT YR. 2015   | ADT YR. 2015    | ADT YR. 2011 |
| ADT 10400      | ADT 8050        | ADT 2550     |
| P. V. 94.00%   | P. V. 88.63%    | P. V. 95.69% |
| S. U. 3.80%    | S. U. 9.01%     | S. U. 3.53%  |
| M. U. 2.20%    | M. U. 2.36%     | M. U. 0.78%  |



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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, P.E.  
UNIT CHIEF: RON WOODSHANK

CONTRACT NO. 66F77



POINT LOCATIONS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 12-16 2016  
Kevin Marchek, P.E.  
REGIONAL ENGINEER

Jan 27 2017  
Hameem M. Addis, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 27 2017  
Annette Allen  
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION 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 SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
2. 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.
3. WORKING DAYS SHALL BE CHARGED UNTIL THE CONTRACTOR/SUBCONTRACTOR LISCENSED TO DISPOSE OFNON- LEAD PAINT RESIDUES HAS REMOVED THE WASTE MATERIAL FROM THE JOB SITE ACCORDING TO ALL FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES. IF THE LISCENSED CONTRACTOR OR SUBCONTRACTOR FAILS TO DISPOSE OF THE LEAD PAINT RESIDUES ON OR BEFORE THE SPECIFIED COMPLETION DATE, LIQUIDATED DAMAGES SHALL BE CHARGED PER CALENDAR DAY ACCORDING TO ARTICLE 109.09 OF THE STANDARD SPECIFICATIONS UNTIL SUCH TIME THAT ALL PAINT RESIDUE MATERIALS HAVE BEEN PROPERLY REMOVED AND DISPOSED OF.

GENERAL NOTES FOR STRUCTURE NO. 050-0027

1. STRUCTURE NO. 050-0027 SHALL BE DESIGNATED AS "LOCATION 1".
2. THE SSPC-OP1 "PAINTING CONTRACTOR CERTIFICATIONS" WILL BE REQUIRED FOR THIS PROJECT.
3. A MINIMUM OF TWO AIR MONITORS SHALL BE REQUIRED FOR THIS STRUCTURE. THE CONTRACTOR SHALL FURNISH AND INSTALL THE MONITORS AS SHOWN ON PLAN DETAILS.
4. CONTAINMENT AND DISPOSAL OF CLEANING RESIDUES SHALL BE ACCORDING TO THE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES.
5. CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND AS SPECIFIED BELOW.

a) ALL EXISTING STRUCTURAL STEEL, (INCLUDING BEAMS, DIAPHRAGMS, CROSS/LATERAL FRAMING WHEN PRESENT, BEARING ASSEMBLIES AND ALL OTHER ASSOCIATED STEEL COMPONENTS SHALL BE CLEANED PER "NEAR WHITE BLAST CLEANING - SSPC-SP-10.

b) ALL EXISTING STRUCTURAL STEEL SHALL BE PAINTED PER THE REQUIREMENTS OF "PAINT SYSTEM 1 - OZ/E/U".

1) THE FINAL FINISH COAT FOR ALL INTERIOR STRUCTURAL STEEL BE "GRAY, MUNSELL NO. 5B 7/1".

2) FINISH COAT FOR EXTERIOR FACE, BOTTOM FLANGE AND BEARING ASSEMBLIES OF THE FASCIA BEAMS SHALL BE "GREEN, MUNSELL NO. 7.5G 1/2.

GENERAL NOTES FOR STRUCTURE NO. 050-0140

1. STRUCTURE NO. 050-0140 SHALL BE DESIGNATED AS "LOCATION 2".
2. THE SSPC-OP1 AND SSPC-OP2 "PAINTING CONTRACTOR CERTIFICATIONS" WILL BE REQUIRED FOR THIS PROJECT.
3. A MINIMUM OF TWO AIR MONITORS SHALL BE REQUIRED FOR THIS PROJECT. THE SHALL FURNISH AND INSTALL THE MONITORS AS SHOWN ON PLAN DETAILS.
4. CONTAINMENT AND DISPOSAL OF CLEANING RESIDUES SHALL BE ACCORDING TO THE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES.
5. CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND AS SPECIFIED BELOW.

a) ALL EXISTING STRUCTURAL STEEL, (INCLUDING BEAMS, DIAPHRAGMS, BEARING ASSEMBLIES, STEEL HANDRAILS AND ALL OTHER ASSOCIATED STEEL COMPONENTS SHALL BE CLEANED PER "NEAR WHITE BLAST CLEANING - SSPC-SP-10.

b) ALL EXISTING STRUCTURAL STEEL SHALL BE PAINTED PER THE REQUIREMENTS OF "PAINT SYSTEM 1 - OZ/E/U".

1) THE FINAL FINISH COAT FOR ALL INTERIOR STRUCTURAL STEEL SHALL BE "GRAY, MUNSELL NO. 5B 7/1".

2) FINISH COAT FOR EXTERIOR FACE, BOTTOM FLANGE AND BEARING ASSEMBLIES, FASCIA BEAMS AND HANDRAILS SHALL BE "GREEN, MUNSELL NO. 7.5G 1/2.

COMMITMENTS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE  
AS BUILT INFORMATION

\_\_\_\_\_  
SUPERVISING CONSTRUCTION FIELD ENGINEER

\_\_\_\_\_  
RESIDENT ENGINEER / TECHNICIAN

START & END DATES  
OF CONSTRUCTION:

INSPECTORS:

DATE:

12-16-16

PREPARED BY:

Don Benin

DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY:

David [Signature]

DISTRICT CONSTRUCTION ENGINEER

Steph [Signature]

DISTRICT MATERIALS ENGINEER

Tom [Signature]

DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

\*FAP 623 (US 6) & FAU 6087 (7th STREET)

|             |   |                   |           |   |               |                     |                     |                           |              |           |
|-------------|---|-------------------|-----------|---|---------------|---------------------|---------------------|---------------------------|--------------|-----------|
| FILE NAME : | USER NAME : woodshankr1   | DESIGNED - RW     | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | GENERAL NOTES | F.A. RTE.           | SECTION             | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| Default     | PROJECT : \D:\Projects\0306\Drawings\0306\District 3\Projects\0306\DRAWING\66RF-details.dgn | CHECKED - EP      | REVISED - |   |               | (1HB)BP & (1HB-1)BP | LASALLE             | 20                        | 2            |           |
|             | PLOT SCALE : 100.0000 1/2 in.   | DATE - 10/29/2016 | REVISED - |   |               | CONTRACT NO. 66F77  |                     | ILLINOIS FED. AID PROJECT |              |           |
|             | PLOT DATE : 12/15/2016  |                   |           |   |               | SCALE:              | SHEET 1 OF 1 SHEETS | STA.                      | TO STA.      |           |

FAP 623

FAU 6087

URBAN

CONSTRUCTION CODE

B. P. O.  
100% STATE

B. P. O.  
100% STATE

BRIDGE

BRIDGE

0014

0014

S. N. 050-0027

S. N. 050-0140

| CODE NO. | ITEM   | UNIT  | TOTAL QUANTITY |      |      |
|----------|--|-------|----------------|------|------|
| 50600200 | PAINTING STEEL RAILING                                   | FOOT  | 289            |      | 289  |
| 50606701 | CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1       | LSUM  | 1              | 1    |      |
| 50606702 | CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 2       | LSUM  | 1              |      | 1    |
| 67100100 | MOBILIZATION   | LSUM  | 1              | 0.5  | 0.5  |
| 70300100 | SHORT TERM PAVEMENT MARKING                              | FOOT  | 50             | 25   | 25   |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL                      | SO FT | 17             | 9    | 8    |
| 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4"                     | FOOT  | 5564           | 2782 | 2782 |
| 70300250 | TEMPORARY PAVEMENT MARKING - LINE 8"                     | FOOT  | 2975           | 1488 | 1487 |
| 70300280 | TEMPORARY PAVEMENT MARKING - LINE 24"                    | FOOT  | 14             | 14   |      |
| 78009000 | MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS | SO FT | 47             |      | 47   |
| 78009004 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4"             | FOOT  | 1171           | 586  | 585  |
| 78009006 | MODIFIED URETHANE PAVEMENT MARKING - LINE 6"             | FOOT  | 1000           | 500  | 500  |
| 78009008 | MODIFIED URETHANE PAVEMENT MARKING - LINE 8"             | FOOT  | 1857           | 929  | 928  |
| 78009012 | MODIFIED URETHANE PAVEMENT MARKING - LINE 12"            | FOOT  | 331            | 166  | 165  |

\*SPECIALITY ITEMS

14

|             |             |            |           |
|-------------|-------------|------------|-----------|
| FILE NAME : | USER NAME : | DESIGNED : | REVISED : |
| Default     | woodshenr1  | RW         | -         |
|             |             | CHECKED :  | REVISED : |
|             |             | EP         | -         |
|             |             | DATE :     | REVISED : |
|             |             | 10/29/2016 | -         |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

\*FAP 623 (US 6) & FAU 6087 (7th STREET)

| F.A. RTE.                 | SECTION       | COUNTY  | TOTAL SHEETS       | SHEET NO. |
|---------------------------|---------------|---------|--------------------|-----------|
|                           | (1)HB & (1)BP | LASALLE | 20                 | 3         |
|                           |               |         | CONTRACT NO. 66F77 |           |
| ILLINOIS FED. AID PROJECT |               |         |                    |           |

REV

FAP 623

FAU 6087

URBAN

CONSTRUCTION CODE

B. P. O.  
100% STATE  
BRIDGE

B. P. O.  
100% STATE  
BRIDGE

0014

0014

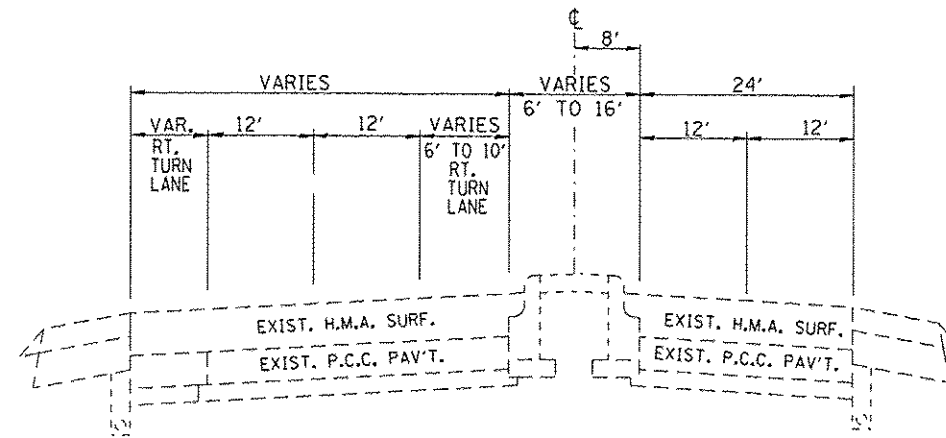
S. N. 050-0027

S. N. 050-0140

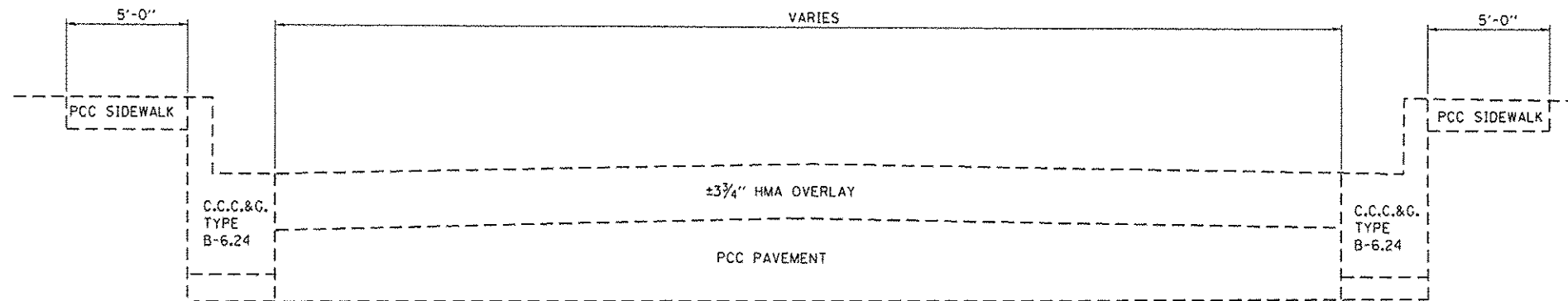
| CODE NO. | ITEM   | UNIT  | TOTAL QUANTITY |      |      |
|----------|--|-------|----------------|------|------|
| X0327980 | PAVEMENT MARKING REMOVAL - WATER BLASTING                          | SO FT | 6258           | 3129 | 3129 |
| X5060601 | CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1 | LSUM  | 1              | 1    |      |
| X5067501 | BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1                     | LSUM  | 1              | 1    |      |
| X5067502 | BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2                     | LSUM  | 1              |      | 1    |
| X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL)                          | LSUM  | 1              | 0.5  | 0.5  |
| Z0007102 | CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2     | LSUM  | 1              |      | 1    |
| Z0030850 | TEMPORARY INFORMATION SIGNING                                      | SO FT | 42             | 21   | 21   |
| Z0052398 | PORTABLE TEMPORARY BARRIER SYSTEM                                  | FOOT  | 1000           | 575  | 425  |
| Z0052399 | RELOCATE PORTABLE TEMPORARY BARRIER SYSTEM                         | FOOT  | 426            | 201  | 225  |

9

REV



**IL 251 PERU TYPICAL SECTION**



**US 6 PERU TYPICAL SECTION**

|   |                             |               |           |   |                           |         |   |         |                    |              |
|---|-----------------------------|---------------|-----------|---|---------------------------|---------|---|---------|--------------------|--------------|
| FILE NAME :<br>p:\11\1084EB\HTEG\Illinois.gov\PHDOT\... | USER NAME : woodshankr1     | DESIGNED - RW | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>TYPICAL SECTION</b>    |         | *FAP 623 (US 6) & FAU 6087 (7th STREET) |         |                    |              |
| PROJECT: 1001 - District 3 Projects - D36               | DRAWN: dsa\60RW\details.dgn | CHECKED - EP  | REVISED - |   |                           |         | F.A. RTE.                               | SECTION | COUNTY             | TOTAL SHEETS |
| PLOT SCALE : 100,0000 / in                              | DATE - 10/29/2016           | REVISED -     | REVISED - |   | (1HB1BP & 1HB-1)BP        | LASALLE | 20                                      | 5       | CONTRACT NO. 66F77 |              |
| PLOT DATE : 12/15/2016                                  | DATE - 10/29/2016           | REVISED -     | REVISED - |   | ILLINOIS FED. AID PROJECT |         |   |         |                    |              |

SCHEDULE - WORK ZONE PAVEMENT MARKING & REMOVAL

| LOCATION                      | STAGE I                                       |      |      |     |     |   |                                  |   |   |  |      |    |
|-------------------------------|---|------|------|-----|-----|---|----------------------------------|---|---|--|------|----|
|                               | PAVEMENT MARKING REMOVAL WATER-BLASTING SQ FT |      |      |     |     | SHORT-TERM PAVEMENT MARKING REMOVAL SQ FT | SHORT-TERM PAVEMENT MARKING FOOT | TEMPORARY PAVEMENT MARKING LINE - 4" FOOT | TEMPORARY PAVEMENT MARKING LINE - 8" FOOT | TEMPORARY PAVEMENT MARKING LINE - 24" FOOT |      |    |
|                               | EXISTING                                      |      |      |     |     | TEMPORARY                                 |                                  |   |   |  |      |    |
|                               | L&S   | 4"   | 6"   | 8"  | 12" | 4"  | 8"                               | 24"                                       |   |  |      |    |
| STA. 173+00 TO STA. 193+00 NB |   | 250  | 580  | 14  |     | 248                                       | 667                              | 28  |   | 751  | 995  | 14 |
| STA. 173+00 TO STA. 193+00 SB | 47  | 250  | 664  | 317 |     | 320                                       | 490                              |   |   | 969  | 732  |    |
| SUBTOTAL                      |   | 2122 |      |     |     | 1753                                      |                                  |   |   |  |      |    |
| TOTAL                         |   |      | 3875 |     |     |   |                                  |   |   | 1720                                       | 1727 | 14 |

SCHEDULE - WORK ZONE PAVEMENT MARKING & REMOVAL

| LOCATION                      | STAGE II                                      |     |      |    |     |   |                                  |   |   |  |      |  |
|-------------------------------|---|-----|------|----|-----|---|----------------------------------|---|---|--|------|--|
|                               | PAVEMENT MARKING REMOVAL WATER-BLASTING SQ FT |     |      |    |     | SHORT-TERM PAVEMENT MARKING REMOVAL SQ FT | SHORT-TERM PAVEMENT MARKING FOOT | TEMPORARY PAVEMENT MARKING LINE - 4" FOOT | TEMPORARY PAVEMENT MARKING LINE - 8" FOOT | TEMPORARY PAVEMENT MARKING LINE - 24" FOOT |      |  |
|                               | EXISTING                                      |     |      |    |     | TEMPORARY                                 |                                  |   |   |  |      |  |
|                               | L&S   | 4"  | 6"   | 8" | 12" | 4"  | 8"                               | 24"                                       |   |  |      |  |
| STA. 173+00 TO STA. 193+00 NB |   | 278 |      |    |     | 729                                       | 417                              |   |   | 2208                                       | 622  |  |
| STA. 173+00 TO STA. 193+00 SB | 108   |     |      |    |     | 540                                       | 419                              |   |   | 1636                                       | 626  |  |
| SUBTOTAL                      |   | 278 |      |    |     | 2105                                      |                                  |   |   |  |      |  |
| TOTAL                         |   |     | 2383 |    |     |   | 17                               | 50  |   | 3844                                       | 1248 |  |

SCHEDULE - TEMPORARY CONCRETE BARRIER

| LOCATION                  | STAGE I                    |  |   |
|---------------------------|----------------------------|--|---|
|                           | TEMPORARY CONCRETE BARRIER | IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3 | IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) NARROW TEST LEVEL 3 |
|                           | FOOT                       | EACH   | EACH  |
| STRUCTURE NO. 050-0027 NB | 300                        |  | 1   |
| STRUCTURE NO. 050-0027 SB | 275                        | 1  |   |
| STRUCTURE NO. 050-0140 NB | 225                        | 1  |   |
| STRUCTURE NO. 050-0140 SB | 200                        | 1  |   |
| TOTAL                     | 1000                       | 3  | 1   |

SCHEDULE - PAVEMENT MARKING

| LOCATION                      | MODIFIED URETHANE PAVEMENT MARKING L&S | MODIFIED URETHANE PAVEMENT MARKING LINE 4" | MODIFIED URETHANE PAVEMENT MARKING LINE 6" | MODIFIED URETHANE PAVEMENT MARKING LINE 8" | MODIFIED URETHANE PAVEMENT MARKING LINE 12" |
|-------------------------------|--|--|--|--|---|
|                               | SQ FT                                  | FOOT                                       | FOOT                                       | FOOT                                       | FOOT  |
| STA. 173+00 TO STA. 193+00 NB |  | 843  | 500  | 866  | 14  |
| STA. 173+00 TO STA. 193+00 SB | 47                                     | 328  | 500  | 991  | 317   |
| TOTAL                         | 47                                     | 1171                                       | 1000                                       | 1857                                       | 331   |

SCHEDULE - TEMPORARY CONCRETE BARRIER

| LOCATION                  | STAGE II                            |   |  |
|---------------------------|-------------------------------------|---|--|
|                           | RELOCATE TEMPORARY CONCRETE BARRIER | IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE) TEST LEVEL 3 | IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE) NARROW TEST LEVEL 3 |
|                           | FOOT                                | EACH  | EACH   |
| STRUCTURE NO. 050-0027 NB | 88                                  |   | 1  |
| STRUCTURE NO. 050-0027 SB | 113                                 | 1   |  |
| STRUCTURE NO. 050-0140 NB | 125                                 | 1   |  |
| STRUCTURE NO. 050-0140 SB | 100                                 | 1   |  |
| TOTAL                     | 425                                 | 3   | 1  |

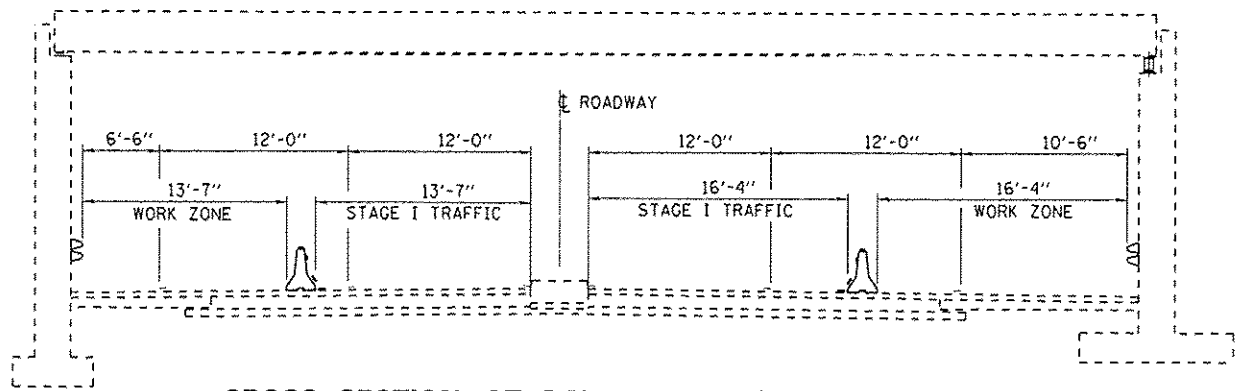
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULES

\*FAP 623 (US 6) & FAU 6087 (7th STREET)

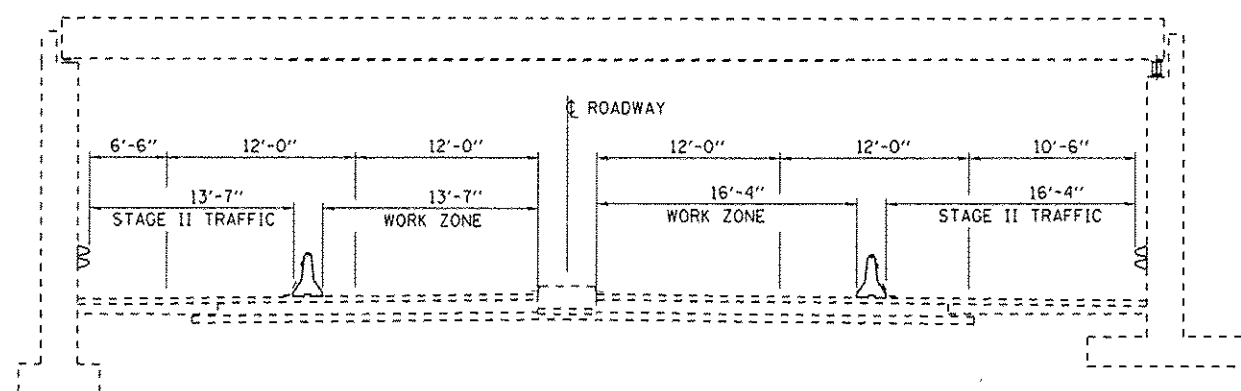
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| FILE NAME :<br>p:\L084EBID\INTEG\Illinois.gov\PIW001\Documents\DOT Offices\District 3\Projects\036\DRAWN\050-0140\050-0140.dgn | USER NAME : woodshark+1 | DESIGNED - RW | REVISED - | SCALE: SHEET 1 OF 1 SHEETS STA. TO STA. | F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.<br>* (1HB1P & (1HB-1)BP LASALLE 20 6<br>CONTRACT NO. 66F77 |
| PLLOT SCALE = 100.0000' / 1" =   | CHECKED - EP            | REVISED -     | REVISED - |   |  |
| PLLOT DATE = 12/15/2016  | DATE - 10/29/2016       | REVISED -     | REVISED - |   |  |
|  |                         |               |           |   |  |

ILLINOIS FED. AID PROJECT



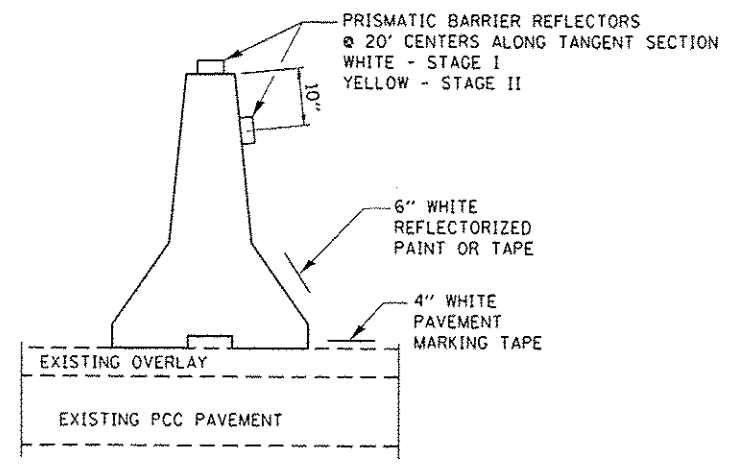
**CROSS SECTION AT S.N. 050-0140 (7th STREET)**

**STAGE I**

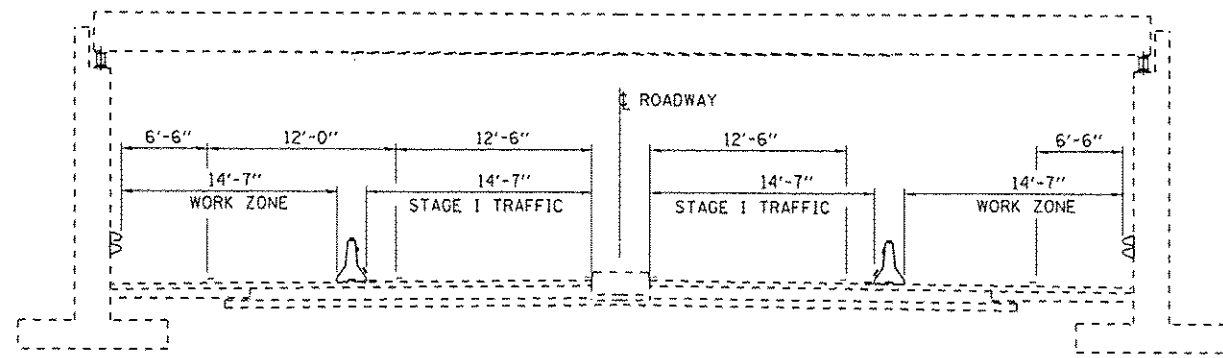


**CROSS SECTION AT S.N. 050-0140 (7th STREET)**

**STAGE II**

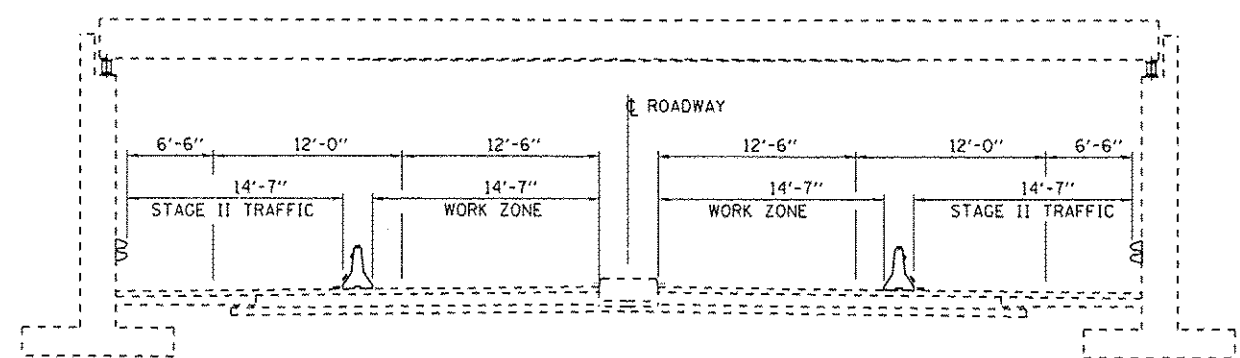


**TEMPORARY CONCRETE BARRIER**



**CROSS SECTION AT S.N. 050-0027 (US 6)**

**STAGE I**



**CROSS SECTION AT S.N. 050-0027 (US 6)**

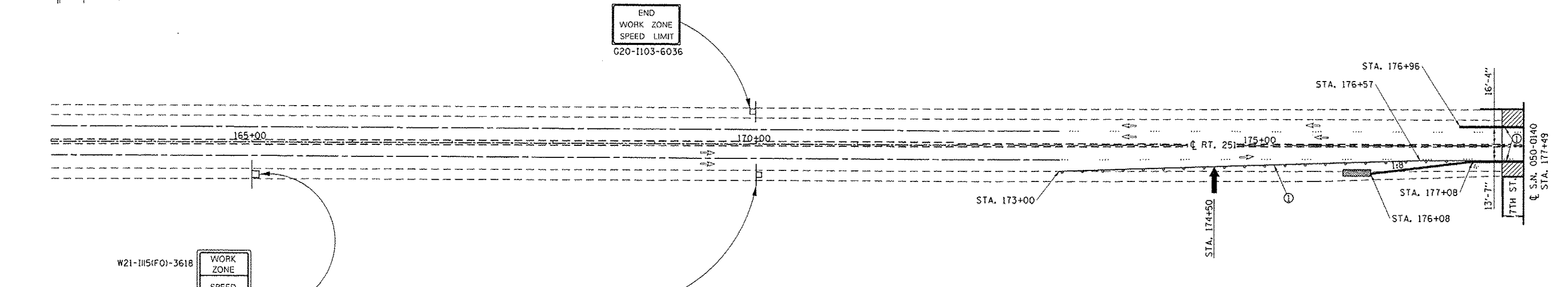
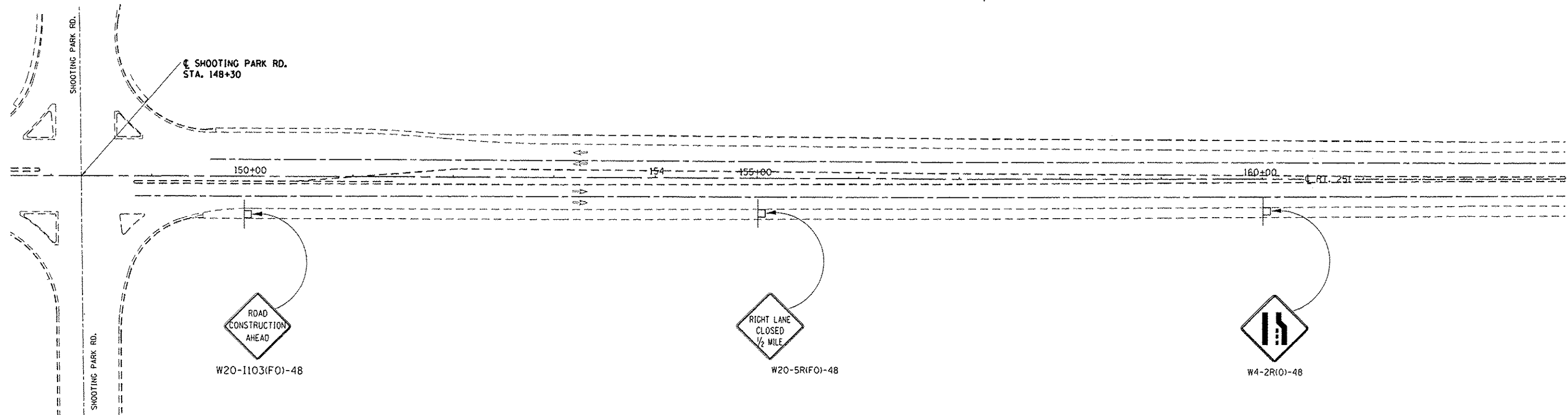
**STAGE II**

|   |                              |                   |           |
|---|------------------------------|-------------------|-----------|
| FILE NAME :   | USER NAME : woodshark1       | DESIGNED - RW     | REVISED - |
| path\IL084EBID\ITED\Illinois.gov\PIWIDOT\Documents\DOT Offices\District 3\Projects\0306 | DRAWN Data\6\RW\data\15.dgn  | CHECKED - EP      | REVISED - |
| Default   | PLOT SCALE = 100.0000' / in. | DATE - 10/29/2016 | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGING DETAILS**  
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

|   |                     |         |                           |           |
|---|---------------------|---------|---------------------------|-----------|
| *FAP 623 (US 6) & FAU 6087 (7th STREET) |                     |         |                           |           |
| F.A. RTE.                               | SECTION             | COUNTY  | TOTAL SHEETS              | SHEET NO. |
| .                                       | (1HB)BP & (1HB-1)BP | LASALLE | 20                        | 7         |
| CONTRACT NO. 66F77                      |                     |         | ILLINOIS FED. AID PROJECT |           |



W21-1115(F0)-3618  
R2-1-3648  
R10-1108p-3618  
R2-1106p-3618

|                   |
|-------------------|
| WORK ZONE         |
| SPEED LIMIT       |
| <b>35</b>         |
| PHOTO ENFORCED    |
| SXXX FINE MINIMUM |

**SYMBOLS**

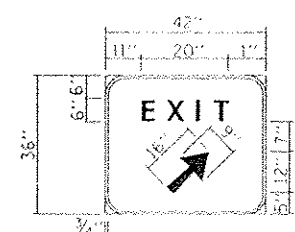
- ARROW BOARD
- WORK AREA
- SIGN
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- PORTABLE TEMPORARY BARRIER SYSTEM
- TEMPORARY IMPACT ATTENUATOR (COST INCLUDED WITH PORTABLE TEMPORARY BARRIER SYSTEM)

**LEGEND**

- ① TEMPORARY PAVEMENT MARKING - 4" WHITE
- ② TEMPORARY PAVEMENT MARKING - 8" WHITE

|                    |                        |                   |           |   |  |   |         |        |              |           |
|--------------------|------------------------|-------------------|-----------|---|--|---|---------|--------|--------------|-----------|
| FILE NAME :        | USER NAME : woodhankr1 | DESIGNED - RW     | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>STAGE I TRAFFIC CONTROL (SPECIAL) DETAILS</b> | *FAP 623 (US 6) & FAU 6087 (7th STREET) |         |        |              |           |
| PROJECT :          | PROJECT :              | CHECKED - EP      | REVISED - |   |  | F.A. RTE.                               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| DATE :             | DATE :                 | DATE - 10/29/2016 | REVISED - |   |  | (1)HB/BP & (1)HB-1)BP                   | LASALLE | 20     | 8            |           |
| CONTRACT NO. 66F77 |                        |                   |           |   |  | ILLINOIS FED. AID PROJECT               |         |        |              |           |



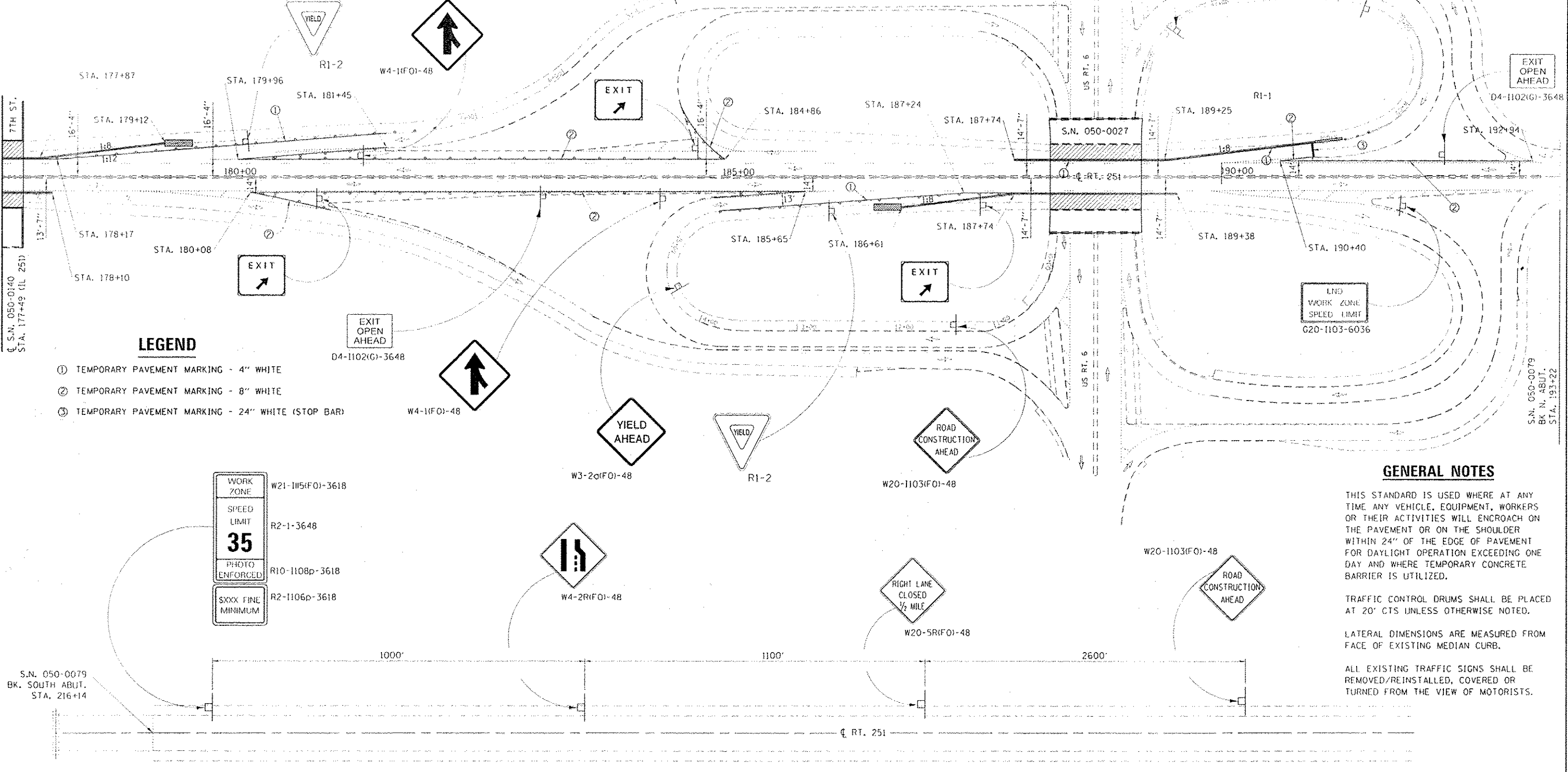
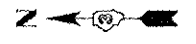


BACKGROUND - GREEN  
BORDER AND LEGEND - WHITE  
"D" SIZE LETTERS

**EXIT SIGN - SPECIAL**

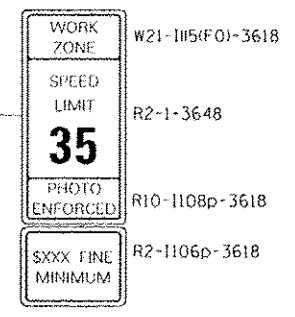
**SYMBOLS**

- WORK AREA
- SIGN
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR, NARROW
- EXISTING PAVEMENT MARKING TO BE REMOVED



**LEGEND**

- ① TEMPORARY PAVEMENT MARKING - 4" WHITE
- ② TEMPORARY PAVEMENT MARKING - 8" WHITE
- ③ TEMPORARY PAVEMENT MARKING - 24" WHITE (STOP BAR)



**GENERAL NOTES**

THIS STANDARD IS USED WHERE AT ANY TIME ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCRACH ON THE PAVEMENT OR ON THE SHOULDER WITHIN 24" OF THE EDGE OF PAVEMENT FOR DAYLIGHT OPERATION EXCEEDING ONE DAY AND WHERE TEMPORARY CONCRETE BARRIER IS UTILIZED.

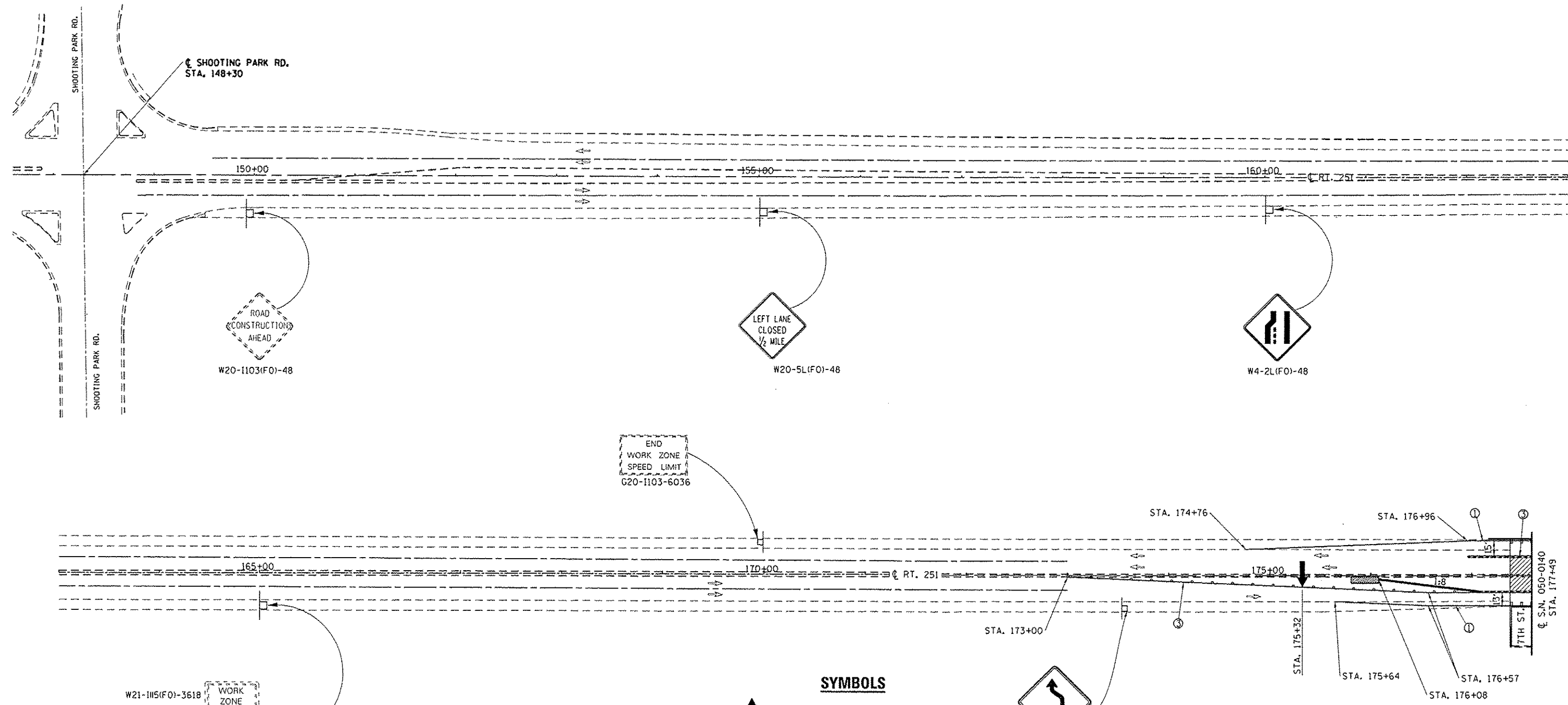
TRAFFIC CONTROL DRUMS SHALL BE PLACED AT 20' CTS UNLESS OTHERWISE NOTED.

LATERAL DIMENSIONS ARE MEASURED FROM FACE OF EXISTING MEDIAN CURB.

ALL EXISTING TRAFFIC SIGNS SHALL BE REMOVED/REINSTALLED, COVERED OR TURNED FROM THE VIEW OF MOTORISTS.

|                  |                      |              |          |   |  |                    |         |                            |              |           |
|------------------|----------------------|--------------|----------|---|--|--------------------|---------|----------------------------|--------------|-----------|
| FILE NO.:        | USER NAME: petersson | DESIGNED: RW | REVISED: | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>STAGE I TRAFFIC CONTROL (SPECIAL) DETAILS</b> | F.A. RTE.          | SECTION | COUNTY                     | TOTAL SHEETS | SHEET NO. |
| PROJECT: 66F77   | PROJECT: 66F77       | DRAWN: RW    | REVISED: |   |  | (11B)BP & (11B)BP  | LASALLE | 20                         | 9            |           |
| DATE: 12/29/2016 | DATE: 10/29/2016     | CHECKED: EP  | REVISED: |   |  | CONTRACT NO. 66F77 |         | ILLINOISIFIED, AIO PROJECT |              |           |
| SCALE:           | SHEET 1 OF 1 SHEETS  | STA. TO STA. |          |   |  |                    |         |                            |              |           |

REV



W21-1115(F0)-3618 WORK ZONE SPEED LIMIT

R2-1-3648 **35**

R10-1108p-3618 PHOTO ENFORCED

R2-1106p-3618 \$XXX FINE MINIMUM

END WORK ZONE SPEED LIMIT

G20-1103-6036

**SYMBOLS**

- ARROW BOARD
- WORK AREA
- SIGN
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- RELOCATED PORTABLE TEMPORARY BARRIER SYSTEM
- PORTABLE TEMPORARY BARRIER SYSTEM (PLACED IN STAGE I)
- RELOCATED TEMPORARY IMPACT ATTENUATOR (COST INCLUDED IN RELOCATED PORTABLE TEMPORARY BARRIER SYSTEM).
- WHITE PRISMATIC REFLECTOR 10' CTS. ON FACE OF ABUTMENT.

**LEGEND**

- ① TEMPORARY PAVEMENT MARKING - 4" WHITE
- ③ TEMPORARY PAVEMENT MARKING - 4" YELLOW

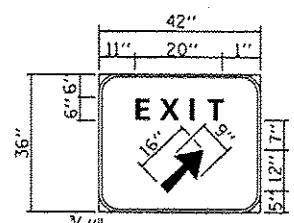
|             |                             |                            |           |
|-------------|-----------------------------|----------------------------|-----------|
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| Default     | woodstark                   | DRAWN Data\RRW\details.dgn | REVISED - |
|             | PLOT SCALE : 100.0000 / 100 | CHECKED - EP               | REVISED - |
|             | PLOT DATE : 12/15/2016      | DATE - 10/29/2016          | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**STAGE II TRAFFIC CONTROL (SPECIAL) DETAILS**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

|   |                     |         |                    |           |
|---|---------------------|---------|--------------------|-----------|
| *FAP 623 (US 6) & FAU 6087 (7th STREET) |                     |         |                    |           |
| F.A. RTE.                               | SECTION             | COUNTY  | TOTAL SHEETS       | SHEET NO. |
|   | (11B)BP & (11B-1)BP | LASALLE | 20                 | 10        |
|   |                     |         | CONTRACT NO. 66F77 |           |
| ILLINOIS FED. AID PROJECT               |                     |         |                    |           |

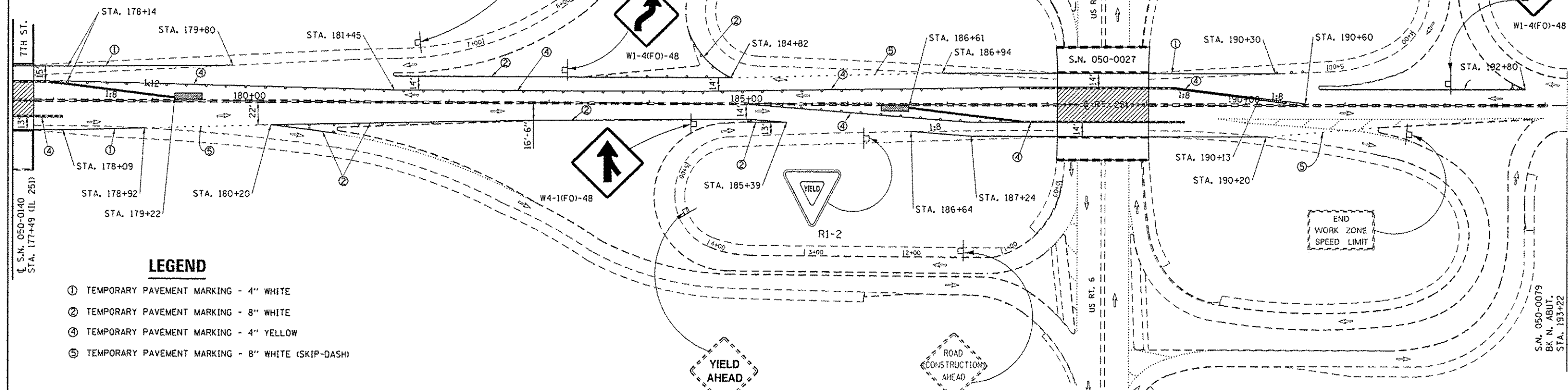


BACKGROUND - GREEN  
BORDER AND LEGEND - WHITE  
"D" SIZE LETTERS

**EXIT SIGN - SPECIAL**

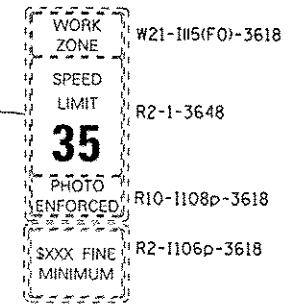
**SYMBOLS**

- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- RELOCATED TEMPORARY CONCRETE BARRIER
- - - TEMPORARY CONCRETE BARRIER (PLACED IN STAGE I)
- ▨ TEMPORARY IMPACT ATTENUATOR
- ▨ TEMPORARY IMPACT ATTENUATOR, NARROW
- ◇ SIGNS PLACED FOR STAGE I



**LEGEND**

- ① TEMPORARY PAVEMENT MARKING - 4" WHITE
- ② TEMPORARY PAVEMENT MARKING - 8" WHITE
- ③ TEMPORARY PAVEMENT MARKING - 4" YELLOW
- ⑤ TEMPORARY PAVEMENT MARKING - 8" WHITE (SKIP-DASH)



**GENERAL NOTES**

THIS STANDARD IS USED WHERE AT ANY TIME ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCRONCH ON THE PAVEMENT OR ON THE SHOULDER WITHIN 24" OF THE EDGE OF PAVEMENT FOR DAYLIGHT OPERATION EXCEEDING ONE DAY AND WHERE TEMPORARY CONCRETE BARRIER IS UTILIZED.

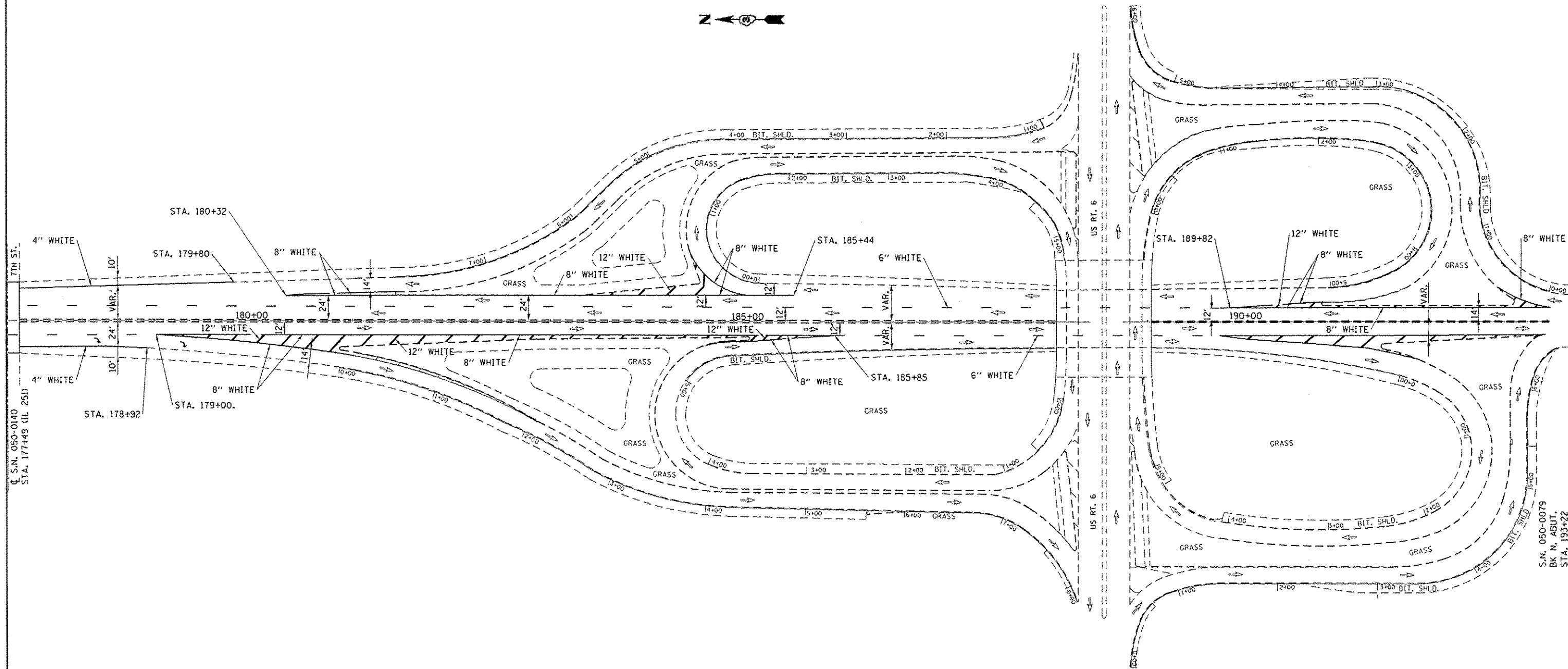
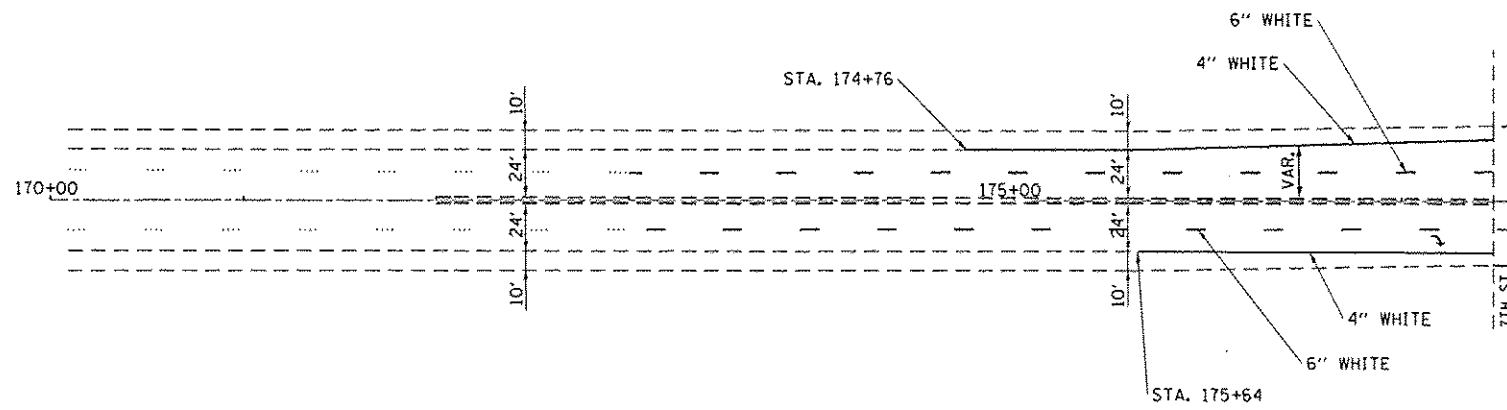
TRAFFIC CONTROL DRUMS SHALL BE PLACED AT 20' CTS UNLESS OTHERWISE NOTED.

LATERAL DIMENSIONS ARE MEASURED FROM FACE OF EXISTING MEDIAN CURB.

S.N. 050-0079  
BK. SOUTH ABUT.  
STA. 216+14

S.N. 050-0079  
BK. N. ABUT.  
STA. 193+22

|             |                              |                   |           |   |   |   |         |        |              |           |
|-------------|------------------------------|-------------------|-----------|---|---|---|---------|--------|--------------|-----------|
| FILE NAME : | USER NAME : woodshank1       | DESIGNED - RW     | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>STAGE II TRAFFIC CONTROL (SPECIAL) DETAILS</b> | *FAP 623 (US 6) & FAU 6087 (7th STREET) |         |        |              |           |
| Default     | PLT SCALE = 100.0000 / 1 in. | CHECKED - EP      | REVISED - |   |   | F.A. RTE.                               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|             | PLT DATE = 12/15/2016        | DATE = 10/29/2016 | REVISED - |   |   | (11B)BP & (11B-1)BP                     | LASALLE | 20     | 11           |           |
|             |                              |                   |           |   |   | CONTRACT NO. 66F77                      |         |        |              |           |



|   |                            |                   |           |
|---|----------------------------|-------------------|-----------|
| FILE NAME :   | USER NAME :                | DESIGNED - RW     | REVISED - |
| pk:\11094EBIDINTEC\Illinois.gov\PWIDOT\Documents\1007 Offices\District 3\Projects\030 | woodshank                  | DRAWN BY : GERW   | REVISED - |
| Default   | PLOT SCALE = 100.0000 / 1" | CHECKED - EP      | REVISED - |
|   | PLOT DATE = 12/15/2016     | DATE = 10/29/2016 | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

\*FAP 623 (US 6) & FAU 6087 (7th STREET)

| F.A. RTE.                 | SECTION             | COUNTY  | TOTAL SHEETS       | SHEET NO. |
|---------------------------|---------------------|---------|--------------------|-----------|
|                           | (11B)BP & (11B-1)BP | LASALLE | 20                 | 12        |
|                           |                     |         | CONTRACT NO. 66F77 |           |
| ILLINOIS FED. AID PROJECT |                     |         |                    |           |

S.N. 050-0079  
BK N. ABUT.  
STA. 193+22

Height Mark: Elev. #9 Chis. \*□ Top S.W. Cor. Light Fom. 49.3' Lt. Sta. 9+10 Elev. 559.03  
 Elev. #10 \*x Top of W. Side Light Bld. 40.5' Lt. Sta. 187+67 Elev. 540.31

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

|                          |    |      |     |     |
|--------------------------|----|------|-----|-----|
| DATE                     | BY | CHKD | APP | REV |
| 12/15/2016               | AW | AW   |     | 41  |
| SHEET NO. 1<br>23 SHEETS |    |      |     |     |

Existing Structure: #050-0027 was constructed as part of F.A. Route 178 Section 1-HB in 1950. The superstructure consists of a single span P.C. deck on wide flange beams with 2 span continuous P.C. slab approaches. The contractor shall rehabilitate the structure in accordance with the details shown. Traffic will be maintained by the use of stage construction.

No sidewalks

GENERAL NOTES

Fasteners shall be high strength bolts. Bolts  $\frac{3}{4}$ " & open holes  $\frac{1}{2}$ " & unless otherwise noted.  
 The inorganic zinc rich primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the acrylic finish shall be Interstate Green, Munhall No. 7.5G 4 B. See Special Provision "Cleaning and Painting Steel Structures".  
 Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.  
 Anchor bolts shall be set before setting diaphragms over supports.  
 The structural steel bearing plates of the Elastomer Bearing Assembly shall conform to the requirements of AASHTO # 270 Group 50.  
 The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams and all splice plate material except fill plates.  
 Reinforcement bars shall conform to the requirements of AASHTO M-31 M-42 or M-33 Grade 60.  
 Field dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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 actually furnished at the unit price bid for the work.

Bridge Seat Sander shall be applied to the seat area of the new concrete pedestals.  
 Calculated weight of Structural Steel: M270 Gr. 36 = 13,490 lbs.  
 M270 Gr. 50 = 25,840 lbs.

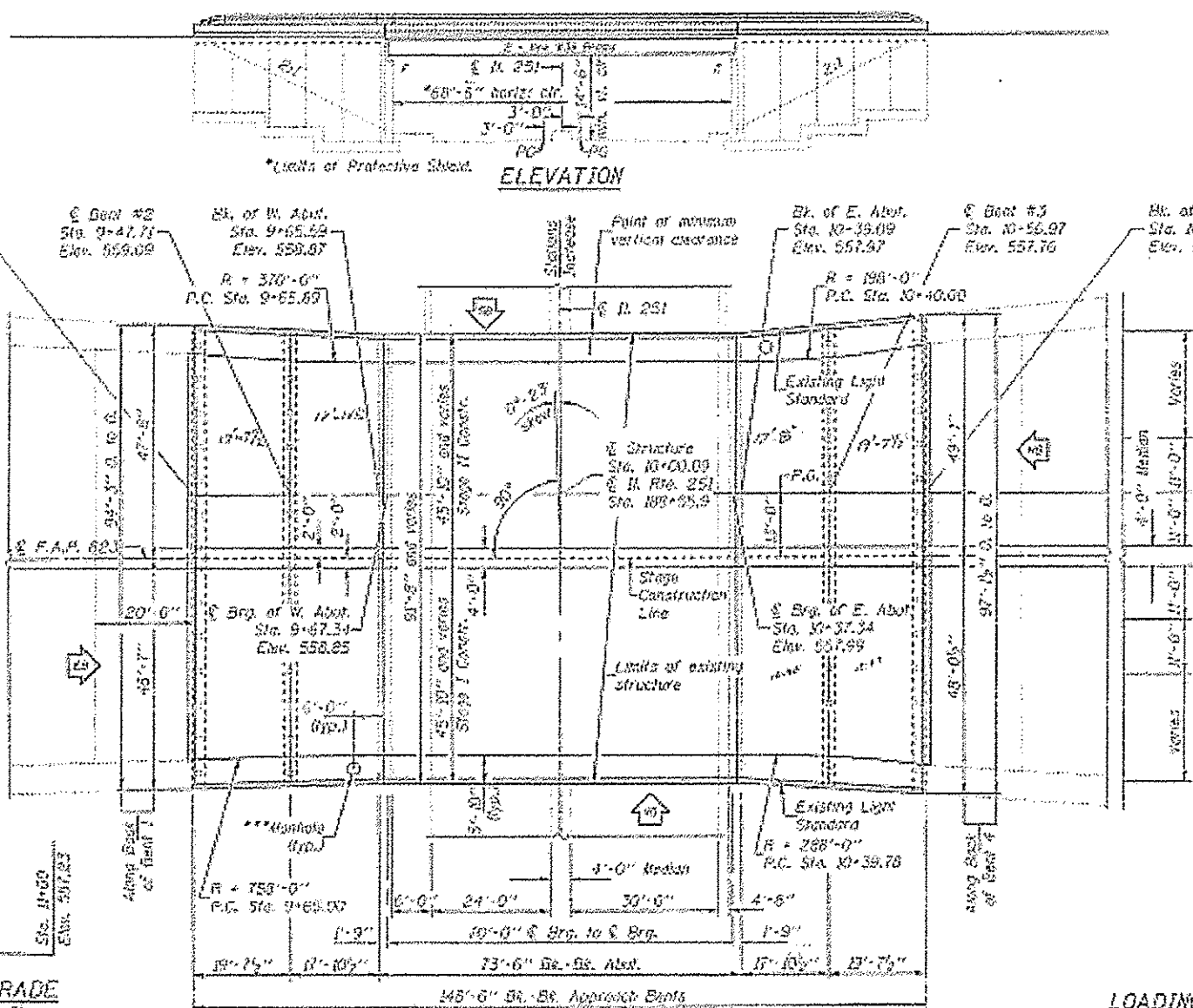
In regard to the approach span slabs, the Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection.

Cleaning and painting of the existing structural steel shall be as specified in the Special Provision for "Cleaning and Painting Existing Steel Structures".

All existing structural steel within 5 feet of either side of expansion joints shall be cleaned by Method 1. All remaining existing structural steel shall be cleaned by Method 2. The Lead and Chromate Free Alloy Paint System shall be used for painting of existing structural steel. The prime and intermediate coats shall be applied as specified in the special provision followed by one complete final finish coat over all steel surfaces. The color of the final finish coat shall be Interstate Green, Munhall No. 7.5G 4/B.  
 \*\*\*Manhole Frame and Cover (Std. Type 1, Std. 60-400) typical at N.E. and S.W. corners. See Roadway Plans for details.

TOTAL BILL OF MATERIALS

| ITEM   | UNIT  | SUPER | SUB | TOTAL |
|--|-------|-------|-----|-------|
| CLEANING AND PAINTING, STRUCTURAL STEEL, LOCATION 1                | L SUM | 1     |     | 1     |
| CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1 | L SUM | 1     |     | 1     |
| BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1                     | L SUM | 1     |     | 1     |



PROFILE GRADE

| Sta.  | Elev.  |
|-------|--------|
| 9+00  | 559.37 |
| 11+00 | 507.23 |

PROFILE GRADE (M.B.L.)

| Sta.  | Elev.  |
|-------|--------|
| 9+00  | 559.37 |
| 11+00 | 507.23 |

PROFILE GRADE (S.B.L.)

| Sta.  | Elev.  |
|-------|--------|
| 9+00  | 559.37 |
| 11+00 | 507.23 |

STATION 3+704.000  
 RESULT IS BY  
 STATE OF ILLINOIS  
 F.A.P. RT. 623 SEC. 1-100R  
 LOADING HS20  
 STR. NO. 050-0027  
 NAME PLATE  
 See Sta. 510001

Note: Existing Name Plates to be cleaned and relocated next to the new Name Plate. Cost incidental to "Name Plates".

LOADING HS20-44  
 Allow 25#/sq. ft. for future wearing surface.

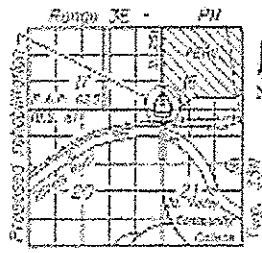
DESIGN SPECIFICATIONS  
 1992 AASHTO, with 1993 and 1994 Interim  
 1993 Seismic Retrofitting Guidelines for Highway Bridges

DESIGN STRESSES

FIELD UNITS  
 $f_c = 3,500$  psi  
 $f_y = 60,000$  psi (reinforcement)  
 $f_u = 87,000$  psi (existing structural steel)  
 $f_u = 80,000$  psi (new structural steel M270 Gr. 36)  
 $f_u = 87,000$  psi (new structural steel M270 Gr. 50)

SEISMIC DATA

Seismic Performance Category (SPC) = A  
 Seismic Acceleration Coefficient (A) = 0.04g  
 Site Coefficient (S) = 1.0  
 \*\*See Existing Plans for exceptions



GENERAL PLAN  
 U.S. ROUTE 6 OVER  
 ILLINOIS ROUTE 251  
 F.A.P. ROUTE 623 - SECTION 1-HBR  
 LA SALLE COUNTY  
 STATION 10+00.09  
 STRUCTURE NO. 050-0027

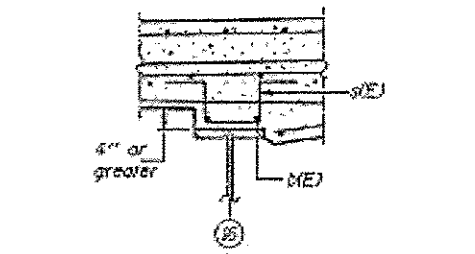
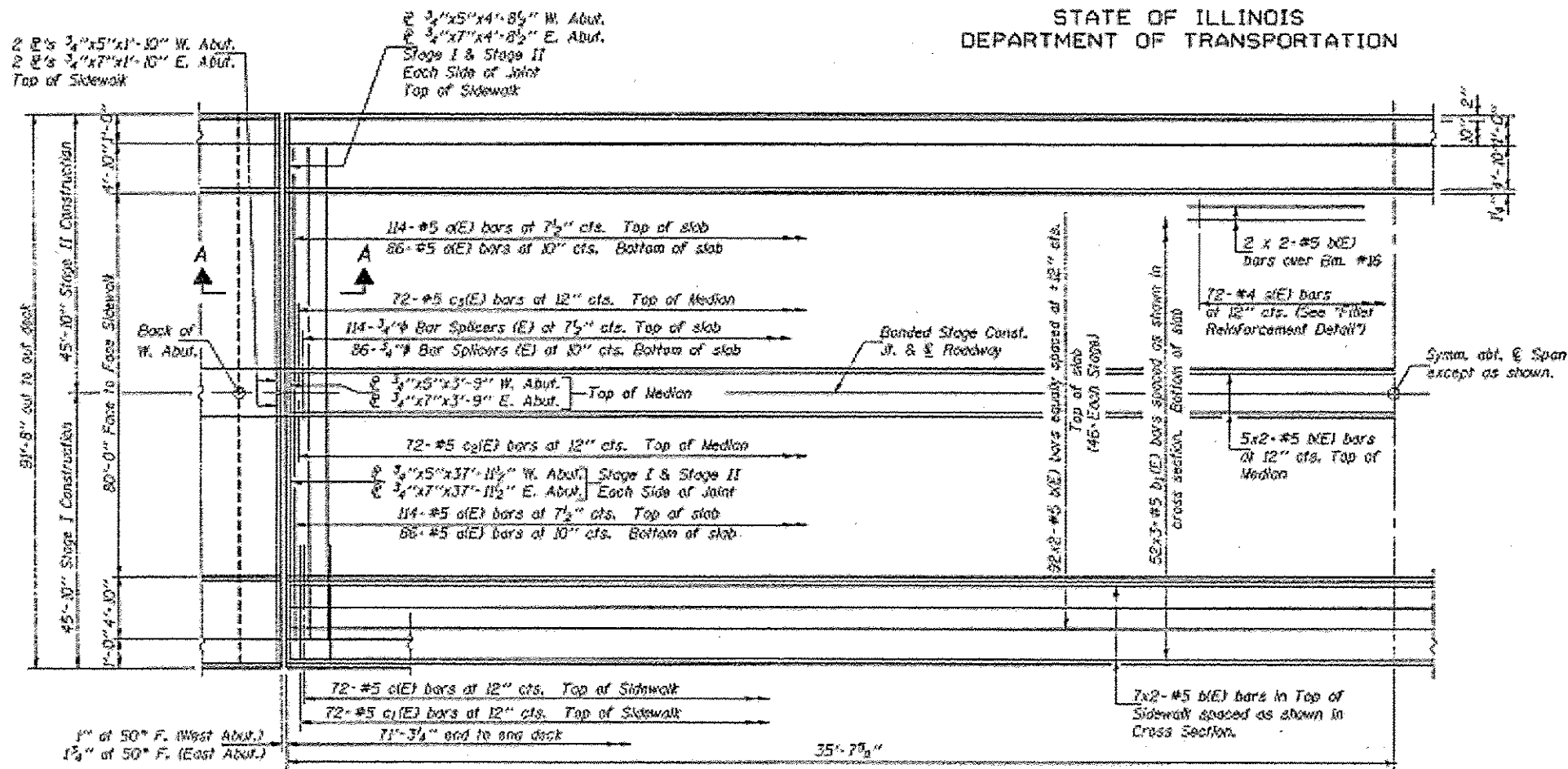
FOR INFORMATION ONLY

|   |                      |                  |           |   |  |   |
|---|----------------------|------------------|-----------|---|--|---|
| FILE NAME: p:\1\CD\60808\TEG\Illinois\p\1\001\Drawings\1001\Office\Dist\1\Projects\026\DRAWING\06666\detail.dgn | USER NAME: woodshank | DESIGNED - RW    | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | EXISTING GENERAL PLAN AND ELEVATION<br>STRUCTURE NO. 050-0027 - LOCATION 1 | F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.<br>1 (1HB)P & (1HB)BP LASALLE 20 13 |
| PLOT SCALE: 100.0000 / in.  | CHECKED: EP          | DATE: 10/29/2016 | REVISED - | SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.           | CONTRACT NO. 66F77   | ILLINOISIFIED, AID PROJECT  |

REV

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|      |         |       |           |              |
|------|---------|-------|-----------|--------------|
| DATE | SECTION | SCALE | SHEET NO. | TOTAL SHEETS |
|      |         |       | 51        | 23           |

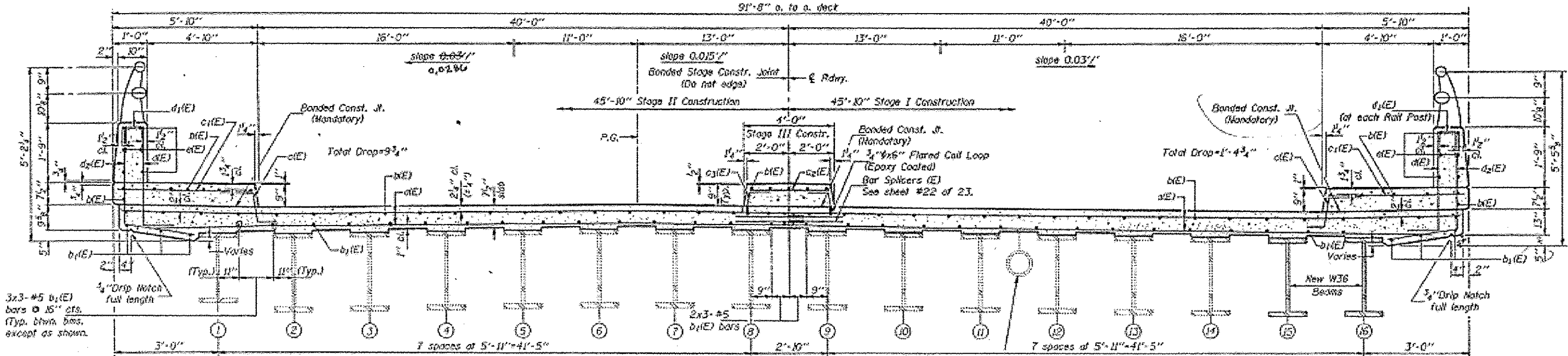


FILLET REINFORCEMENT DETAIL  
(At Beam #16)

MIN. BAR LAPS  
#5 Bars = 1'-8"

Notes: See Sheet #12 of 23 for superstructure details.  
Reinforcement bars designated (E) shall be epoxy coated.  
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.  
See Sheets #10 & #12 of 23 for parapet reinforcement.  
For Bill of Material see Sheet #12 of 23.  
For Section A-A see Sheet #12 of 23.  
The cost of epoxy coated flared coil loops is incidental to Reinforcement Bars, Epoxy Coated.

HALF PLAN



CROSS SECTION  
(Looking East)

Existing 8" water main.  
See Roadway Plans for details of attachment.

DESIGNED: [Signature]  
CHECKED: [Signature]  
DRAWN: r.d. carbanell  
CHECKED: [Signature]

August 14, 2016  
EXAMINED: [Signature]  
PASSED: [Signature]

S-1-0 12-31-07

SUPERSTRUCTURE  
F.A.P. RTE. 623 - SEC. 1-HBR  
LaSALLE COUNTY  
STATION 10+00.09

FOR INFORMATION ONLY

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

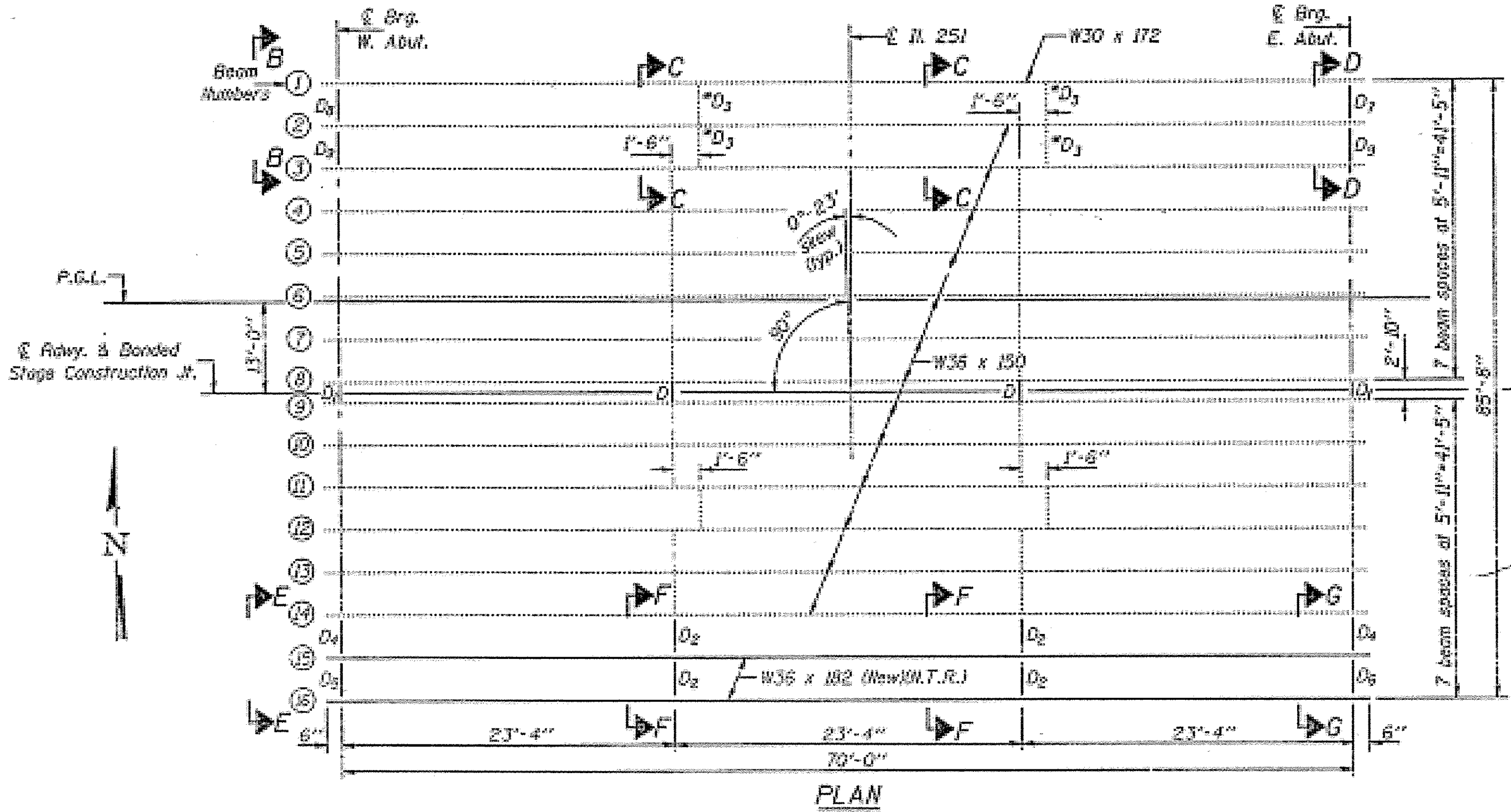
EXISTING SUPERSTRUCTURE DETAILS  
STRUCTURE NO. 050-0027 - LOCATION 1

|                    |                     |         |                           |           |
|--------------------|---------------------|---------|---------------------------|-----------|
| F.A. RTE.          | SECTION             | COUNTY  | TOTAL SHEETS              | SHEET NO. |
|                    | (1HB1BP & (1HB-1BP) | LASALLE | 20                        | 14        |
| CONTRACT NO. 66F77 |                     |         | ILLINOIS FED. AID PROJECT |           |

|   |             |          |         |
|---|-------------|----------|---------|
| FILE NAME                                 | USER NAME   | DESIGNED | REVISED |
| ...\\LOB4E8IDHTEG\Illinois.gov\PKIDOT\... | woodshankr1 | - RW     | -       |
| Default                                   | PLLOT DATE  | CHECKED  | REVISED |
|   | 12/15/2016  | - EP     | -       |
|   | DATE        |          | REVISED |
|   | 10/29/2016  |          | -       |

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.





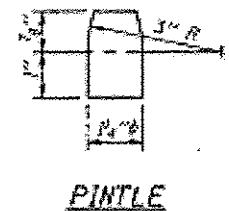
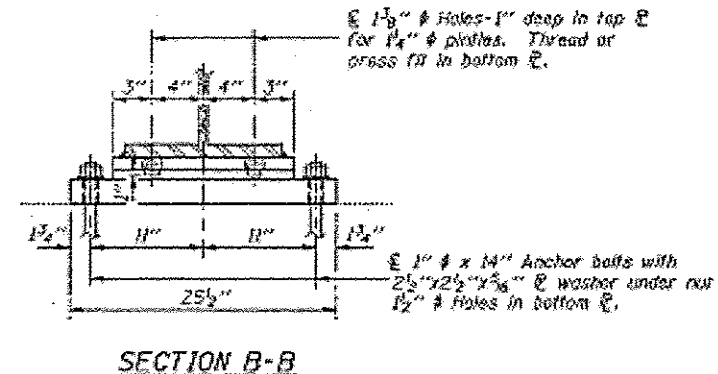
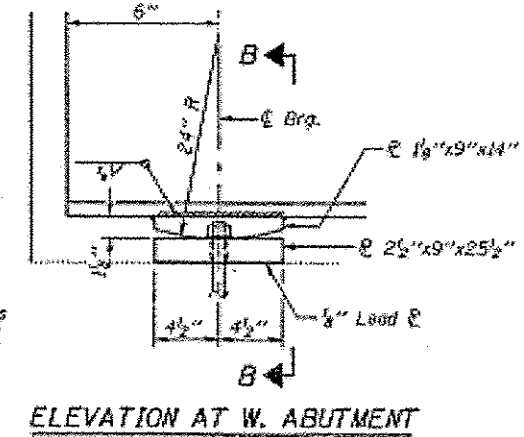
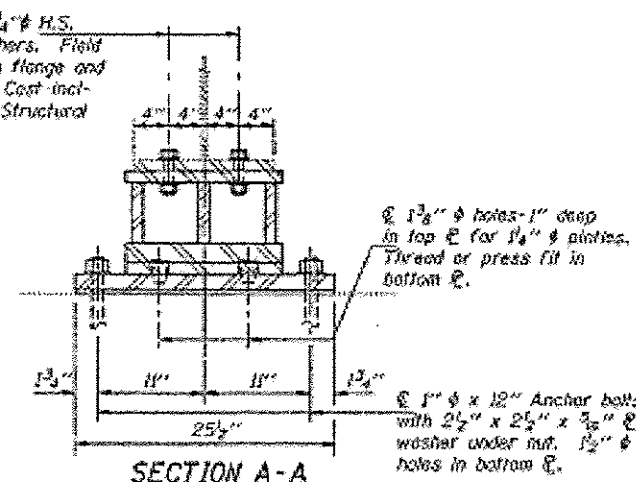
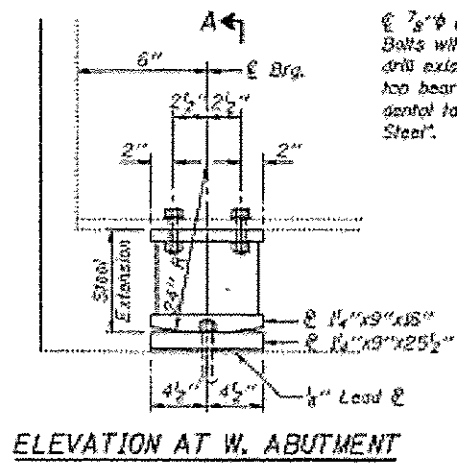
**FOR INFORMATION ONLY**

|  |                               |                   |           |   |   |   |         |        |                 |
|--|-------------------------------|-------------------|-----------|---|---|---|---------|--------|-----------------|
| FILE NAME: 7                                   | USER NAME: woodshank1         | DESIGNED - RW     | REVISED - | <p align="center"><b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b></p> | <p align="center"><b>EXISTING STRUCTURE STEEL DETAILS<br/>STRUCTURE NO. 050-0027 - LOCATION 1</b></p> | *FAP 623 (US 6) & FAU 6087 (7th STREET) |         |        |                 |
| Documents\100T Offices\District 3\Projects\036 | DRAWN: Data\66RW-detailed.dgn | CHECKED - EP      | REVISED - |   |   | F.A. RTE.                               | SECTION | COUNTY | TOTAL SHEET NO. |
| Default  | PLOT SCALE = 100.0000 1/2 in. | DATE - 10/29/2016 | REVISED - |   |   | (1HB)BP & (1HB-1)BP                     | LASALLE | 20     | 15              |
|  | PLOT DATE = 12/15/2016        |                   |           |   |   | CONTRACT NO. 66F77                      |         |        |                 |
|  |                               |                   |           | SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.   |   | ILLINOIS FED. AID PROJECT               |         |        |                 |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Notes: Anchor bolts of fixed bearings may be bolted into the masonry.  
See sheet #23 of 23 for Anchor Bolt Installation.

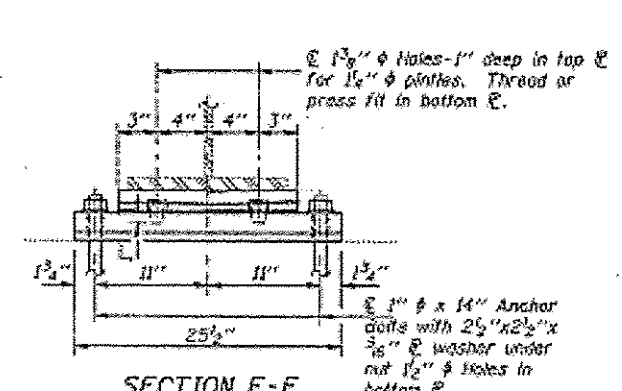
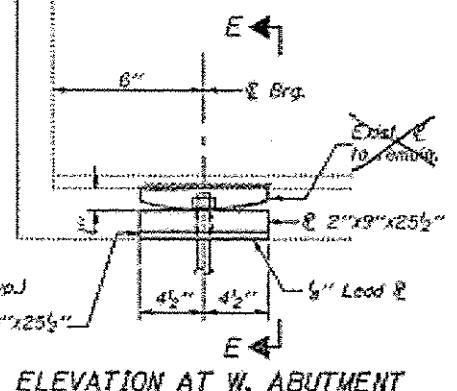
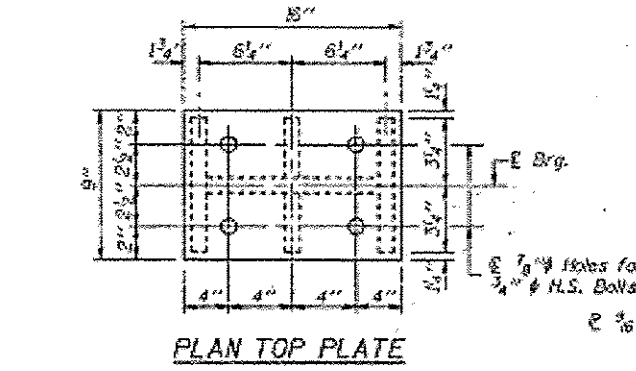
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| DATE       | NO. | BY | CHKD | APP | SHEET NO. 16 |
| 10/29/2016 | 1   | EP | EP   | EP  | 23 SHEETS    |



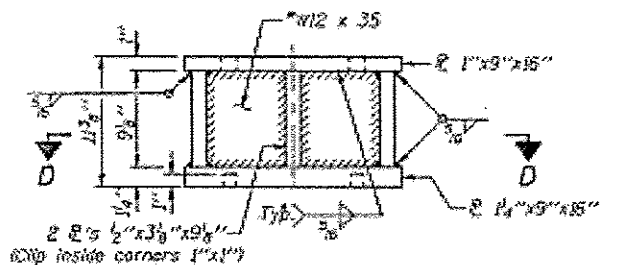
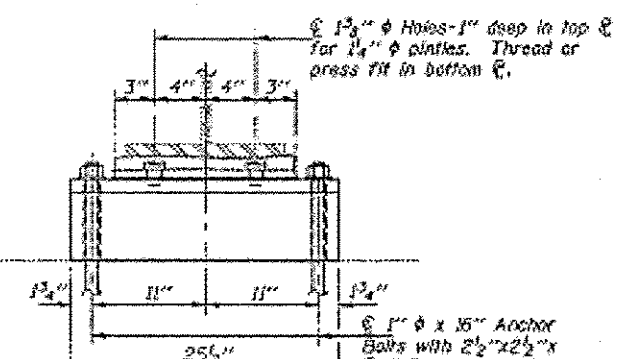
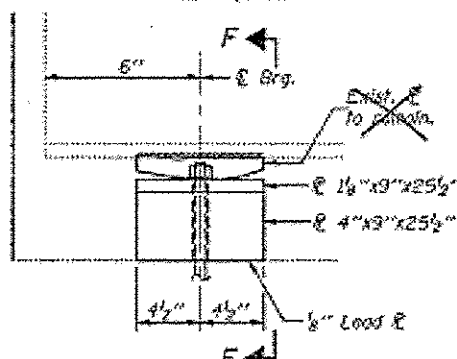
ELEVATION AT W. ABUTMENT  
BEAM #1  
FIXED BEARING  
(1 Required)

ELEVATION AT W. ABUTMENT

SECTION B-B



BEAMS #15 & #16  
FIXED BEARING  
(2 Required)



ELEVATION AT W. ABUTMENT

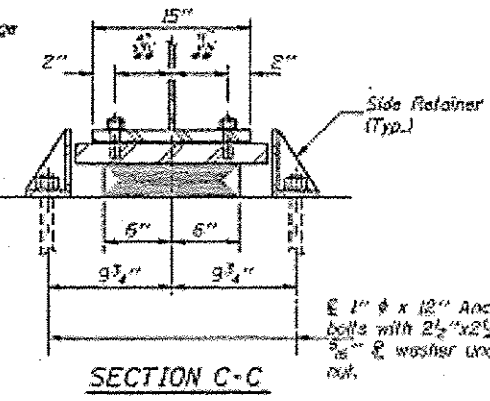
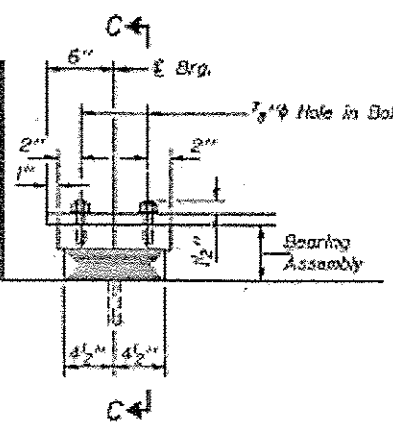
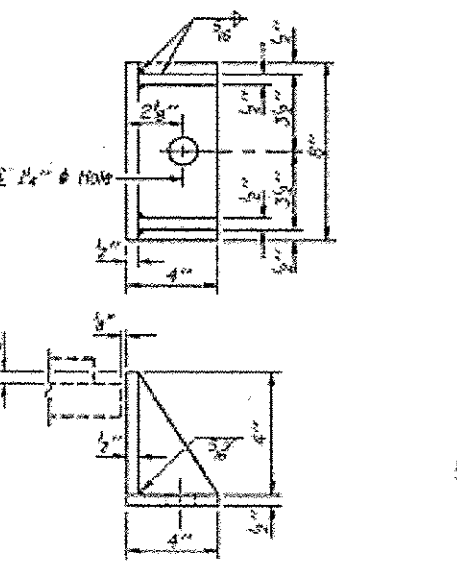
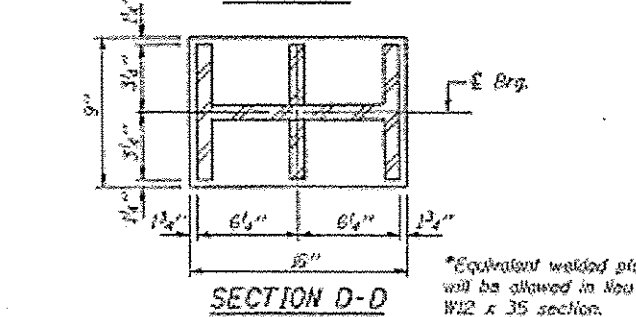
SECTION E-E

ELEVATION AT W. ABUTMENT

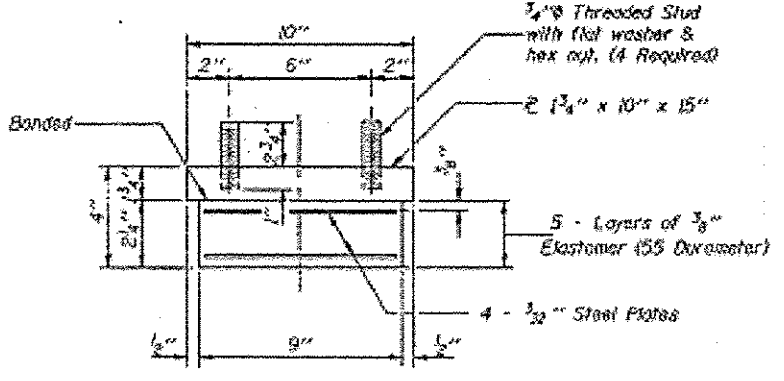
SECTION F-F

STEEL EXTENSION AT W. ABUT.  
(BEAM #1)

BEAMS #3 THRU #14  
FIXED BEARING  
(12 Required)



BEAM #2  
FIXED BEARING  
(1 Required)



ELEVATION AT E. ABUTMENT

SECTION C-C

BEARING ASSEMBLY

TYPE I ELASTOMERIC EXP. BRG.

- \*\* W36 x 150 4" (13 Req'd.)
- W30 x 172 5 1/2" (1 Req'd.)
- W36 x 152 4" (2 Req'd.)

BILL OF MATERIAL

| Item                                | Unit | Total |
|-------------------------------------|------|-------|
| Elastomeric Bearing Assembly Type I | Each | 15    |

EAST AND WEST ABUTMENT  
BEARING DETAILS  
F.A.P. RTE. 623 - SEC. 1-HBR  
LaSALLE COUNTY  
STATION 10+00.03

DESIGNED: J. Wood  
CHECKED: J. Manning  
DRAWN: r.b. carbonell  
CHECKED: T.M.  
I-2-E1 3-31-95

APPROVED: 14 1996  
EXAMINED: J. O. Hester  
PASSED: Robert E. Carbonell

SIDE RETAINER  
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.

FOR INFORMATION ONLY

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE STEEL DETAILS  
STRUCTURE NO. 050-0027 - LOCATION 1

|                    |         |         |                           |           |
|--------------------|---------|---------|---------------------------|-----------|
| F.A.P. RTE.        | SECTION | COUNTY  | TOTAL SHEETS              | SHEET NO. |
| (1HB)BP & (1HB)1BP |         | LASALLE | 20                        | 16        |
| CONTRACT NO. 66F77 |         |         | ILLINOIS FED. AID PROJECT |           |

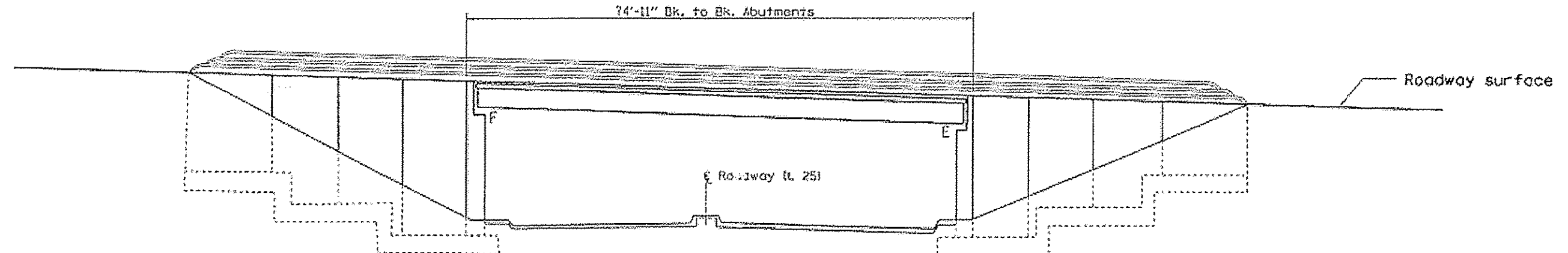
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| PLOT SCALE = 100,000 / in.  | CHECKED - EP      | REVISED - |
| PLOT DATE = 12/15/2016  | DATE = 10/29/2016 | REVISED - |

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.



|                      |         |              |           |
|----------------------|---------|--------------|-----------|
| SECTION              | COUNT   | TOTAL SHEETS | SHEET NO. |
| 0-100-100            | LASALLE | 17           | 6         |
| SHEET 1 OF 12 SHEETS |         |              |           |

CONTRACT NO. 66497

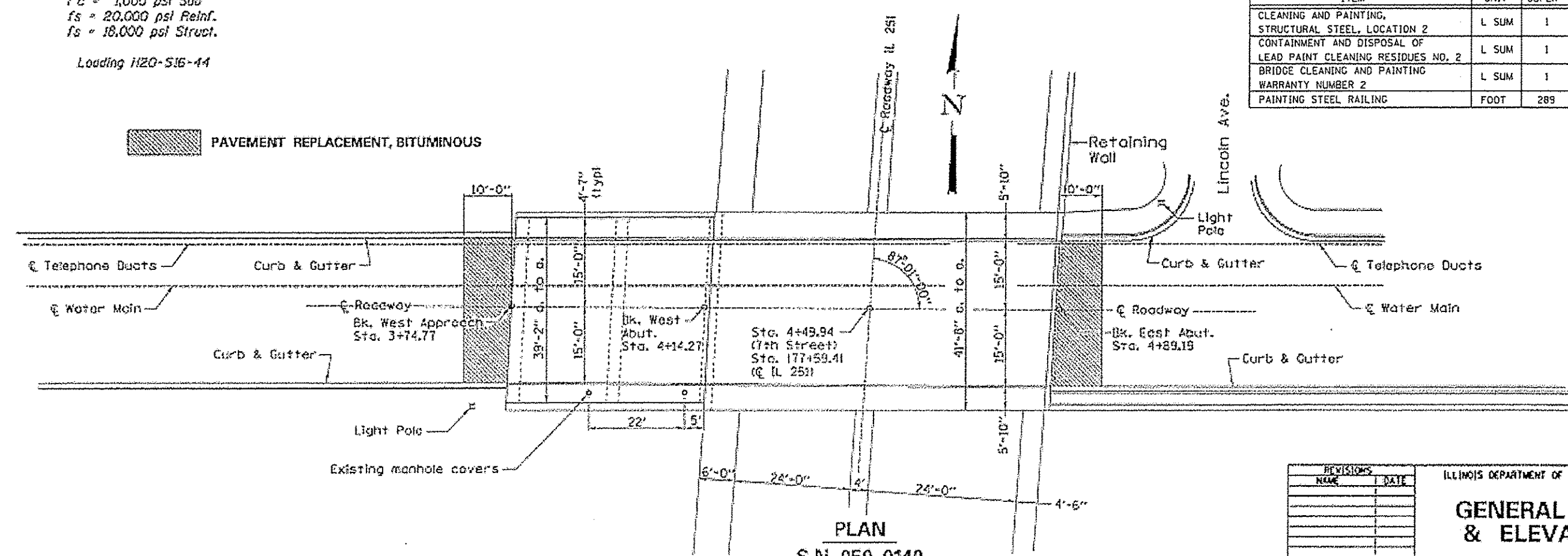


**ELEVATION**  
S.N. 050-0140

**DESIGN STRESSES**  
FIELD UNITS  
f<sub>c</sub> = 1,400 psi Super  
f<sub>c</sub> = 1,000 psi Sub  
f<sub>s</sub> = 20,000 psi Reinf.  
f<sub>s</sub> = 18,000 psi Struct.  
Loading H20-S16-44

**TOTAL BILL OF MATERIALS**

| ITEM   | UNIT  | SUPER | SUB | TOTAL |
|--|-------|-------|-----|-------|
| CLEANING AND PAINTING, STRUCTURAL STEEL, LOCATION 2            | L SUM | 1     |     | 1     |
| CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2 | L SUM | 1     |     | 1     |
| BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2                 | L SUM | 1     |     | 1     |
| PAINTING STEEL RAILING   | FOOT  | 289   |     | 289   |



**PLAN**  
S.N. 050-0140

PAVEMENT REPLACEMENT, BITUMINOUS

| REVISIONS | DATE |
|-----------|------|
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |

ILLINOIS DEPARTMENT OF TRANSPORTATION

**GENERAL PLAN & ELEVATION**

SCALE: VERT. 1/4"=1'-0"  
HORIZ. 1"=40'-0"  
DATE: 03/20/24

DRAWN BY: PLW  
CHECKED BY:

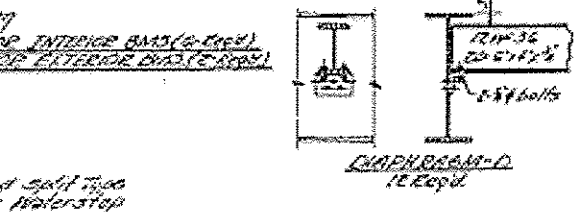
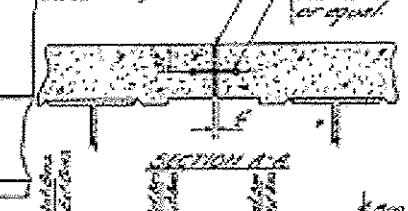
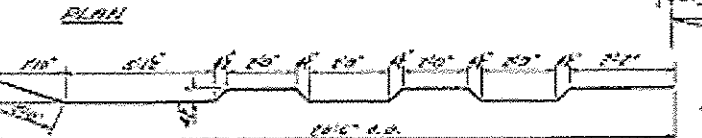
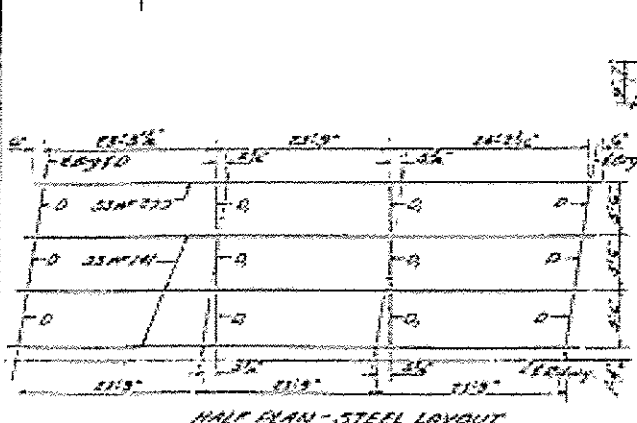
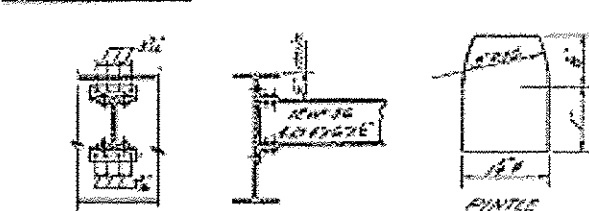
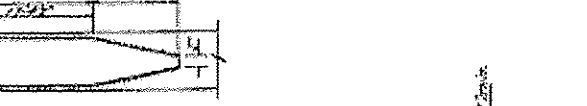
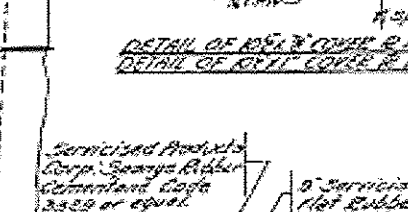
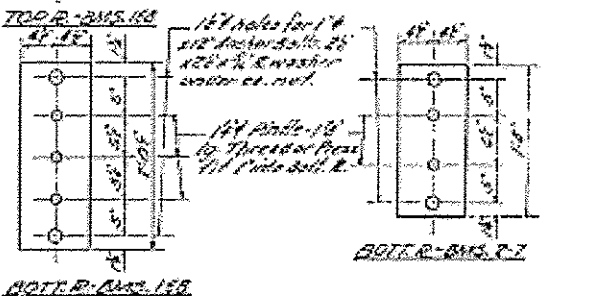
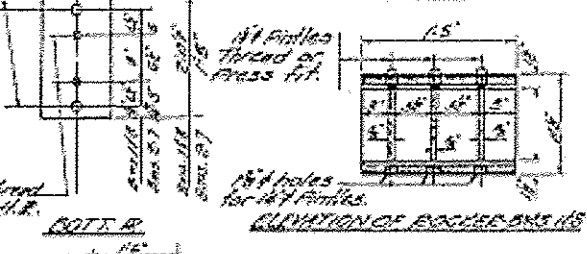
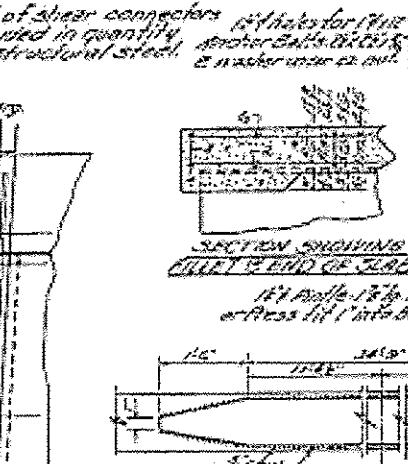
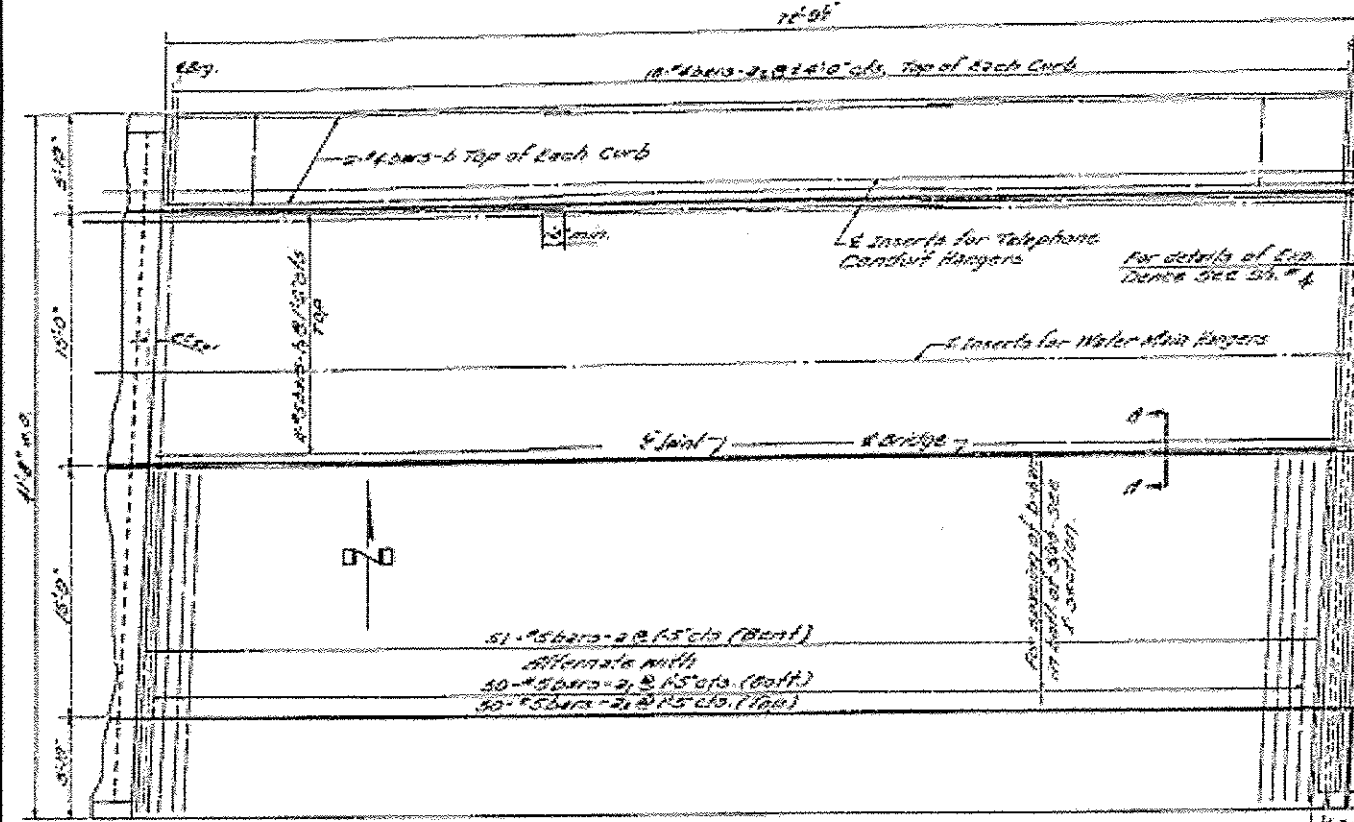
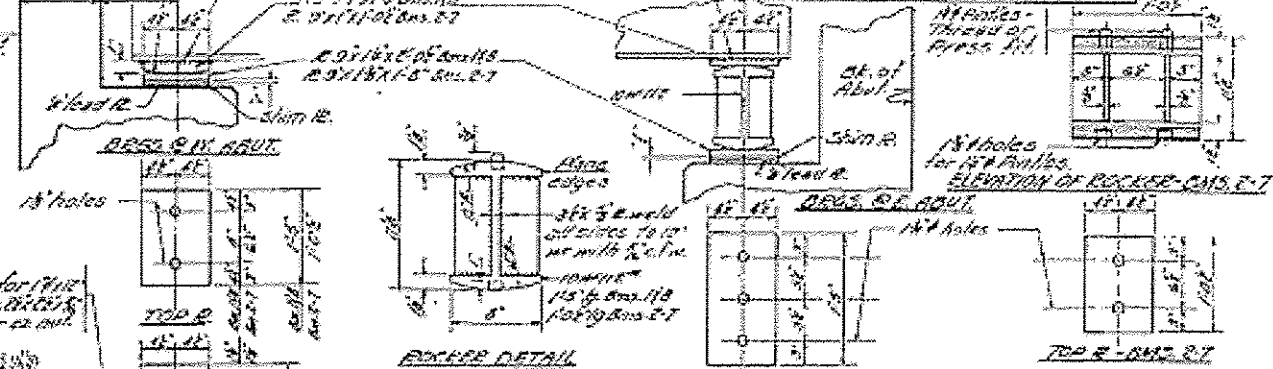
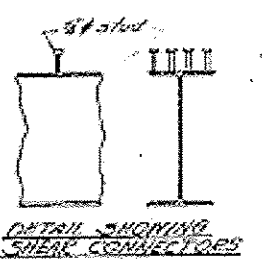
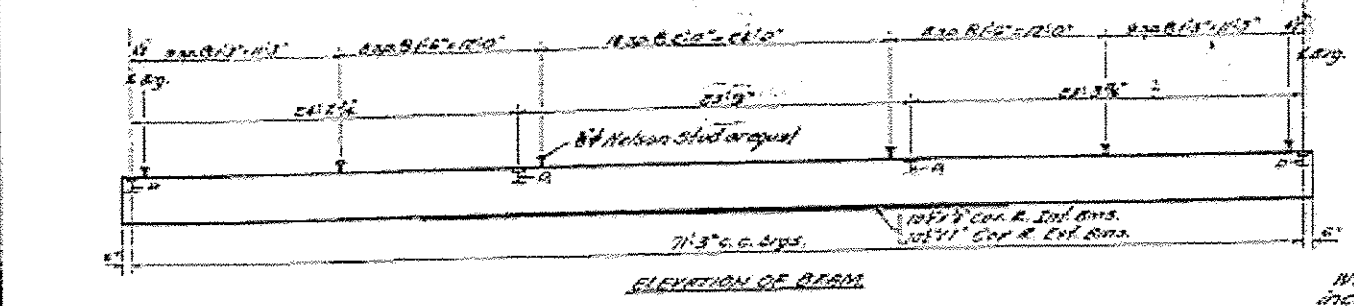
**FOR INFORMATION ONLY**

|   |               |             |  |   |  |
|---|---------------|-------------|--|---|--|
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| PLOT SCALE: 1/8"=1'-0"  | CHECKED - EP  | REVISIONS - | DATE: 10/29/2016                               | SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.                             | ILLINOISIFIED AID PROJECT  |

REV

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

|             |          |         |         |      |    |           |   |              |          |
|-------------|----------|---------|---------|------|----|-----------|---|--------------|----------|
| PROJECT NO. | 177B-HB1 | SECTION | LaSalle | DATE | 19 | SHEET NO. | 6 | TOTAL SHEETS | 8 SHEETS |
|-------------|----------|---------|---------|------|----|-----------|---|--------------|----------|



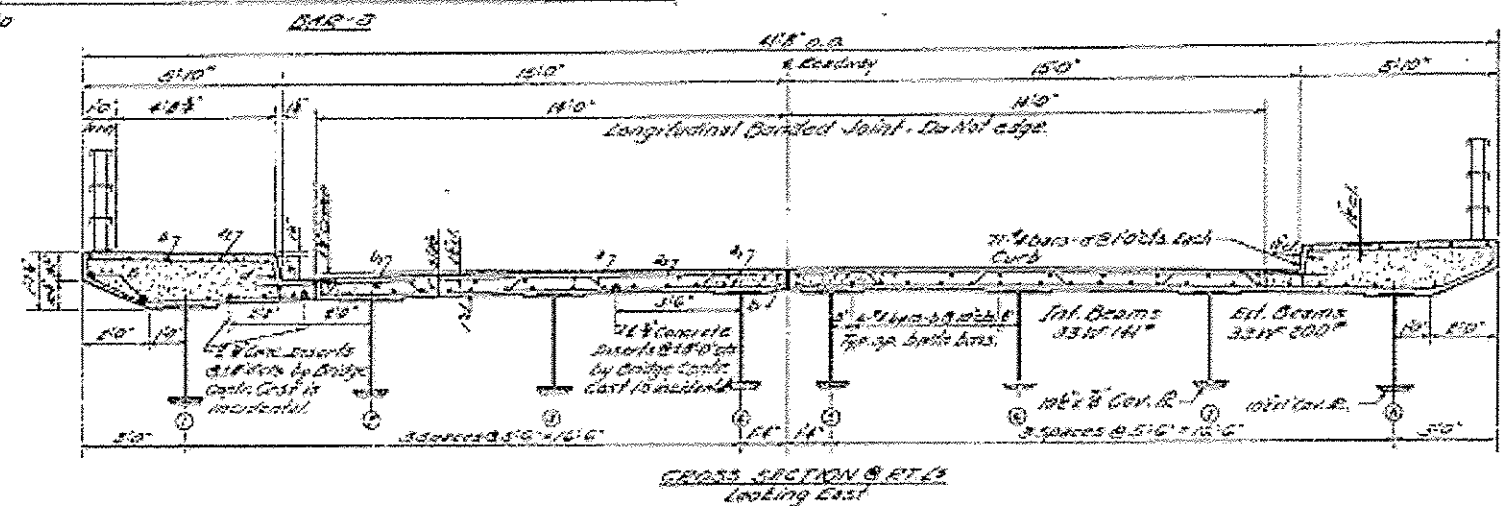
**METHOD OF DETERMINING FILLET HEIGHTS 'Y'**  
After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals not to exceed 10 ft. from these elevations subtract the increment of deflection for these points determined from the D.L. deflection diagram. The elevations so obtained subtracted from the theoretical grade elevations minus floor thickness equals the fillet heights above top of beam.

**TABLE OF 'Y' DIMENSIONS**

| SPAN NUMBER | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-------------|---|---|---|---|---|---|---|---|
| 15' 0" MAIN | 0 | 3 | 0 | 3 | 3 | 0 | 5 | 1 |
| 25' 0" MAIN | 0 | 5 | 0 | 5 | 5 | 0 | 7 | 3 |

**BILL OF MATERIAL - SUPERSTE COMPOSITE 2011**

| Bar                       | No. | Size | Length | Weight            |
|---------------------------|-----|------|--------|-------------------|
| 1                         | 22  | #5   | 25' 0" | 11.0              |
| 2                         | 100 | #3   | 8' 0"  | 1.0               |
| 3                         | 33  | #4   | 25' 0" | 1.0               |
| 4                         | 100 | #3   | 12' 0" | 1.0               |
| 5                         | 102 | #4   | 25' 0" | 1.0               |
| 6                         | 66  | #5   | 25' 0" | 1.0               |
| 7                         | 1   | #6   | 30' 0" | 1.0               |
| 8                         | 102 | #4   | 10'    | 1.0               |
| <b>Class I Concrete</b>   |     |      |        | <b>Vol. 91.0</b>  |
| <b>Reinforcement Bars</b> |     |      |        | <b>Wt. 6,630</b>  |
| <b>Structural Steel</b>   |     |      |        | <b>Wt. 11,080</b> |



NOTE: For location of #6 bars see sheet #4

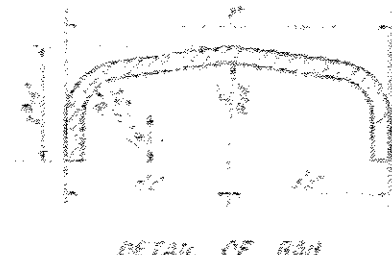
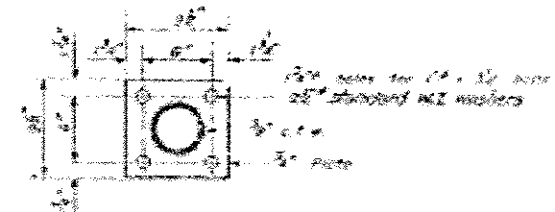
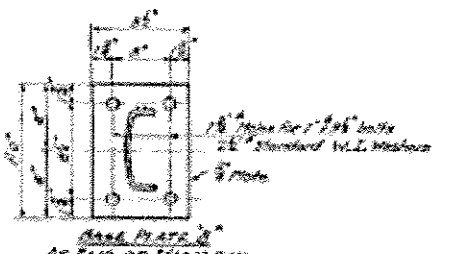
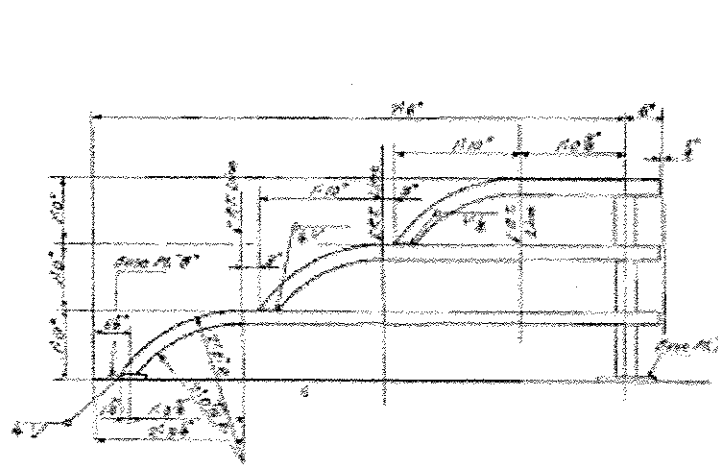
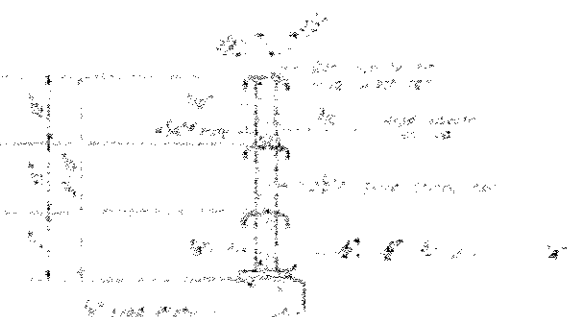
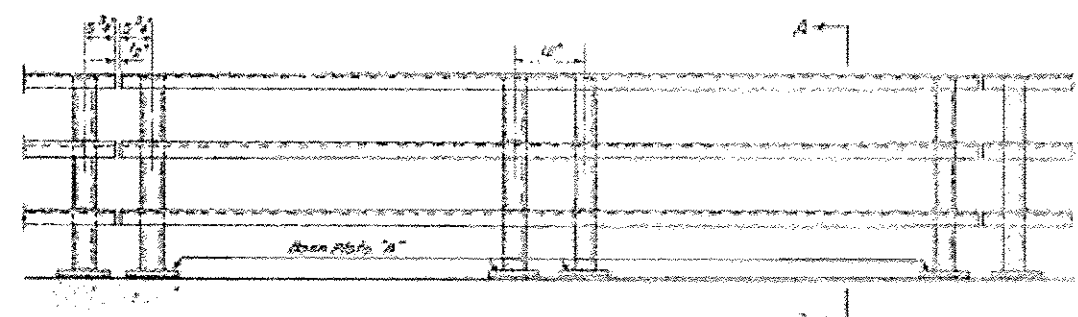
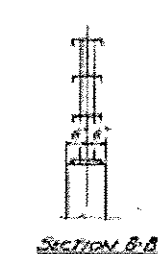
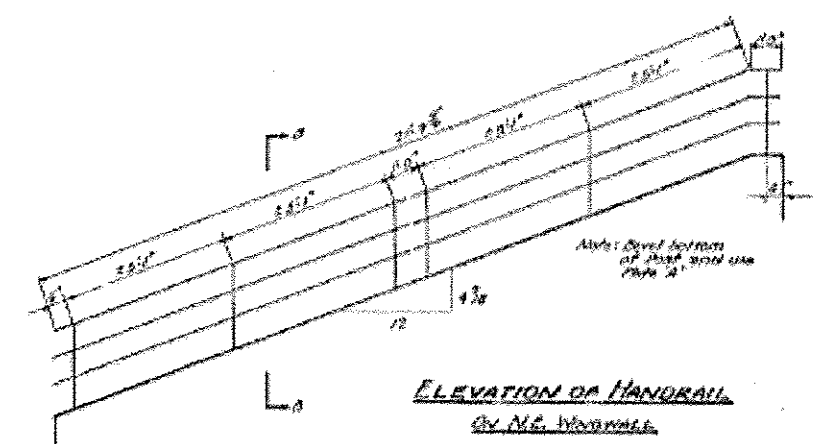
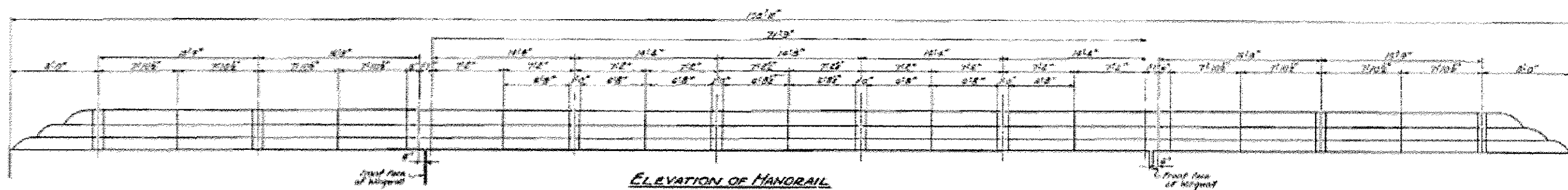
DESIGNED: *[Signature]*  
DRAWN: *[Signature]*  
CHECKED: *[Signature]*  
DATE: 10/29/2016

COMPOSITE SUPERSTE,  
SEVENTH STREET  
P.A. Rt. 178 SEC. 1-HB1  
LA SALLE COUNTY  
STR. 177-59.41

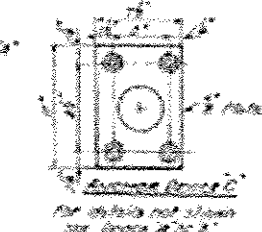
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE STEEL DETAILS  
STRUCTURE NO. 050-0140 - LOCATION 2

REV



Furnish 1-1/2" & 2-1/2" shim plates for 50% of rail posts. Punch shim plates to match base plates.



[Signature]  
 [Signature]  
 [Signature]  
 [Signature]

**HANDRAIL DETAILS**  
**SEVENTH ST.**  
**OVER**  
**E.A. Rt. 178-500-1 HB-1**  
**LASALLE COUNTY**  
**STATION 177+59.41**

**FOR INFORMATION ONLY**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

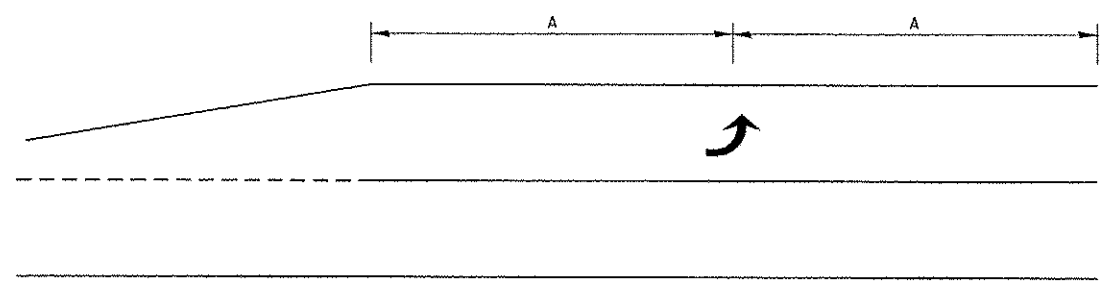
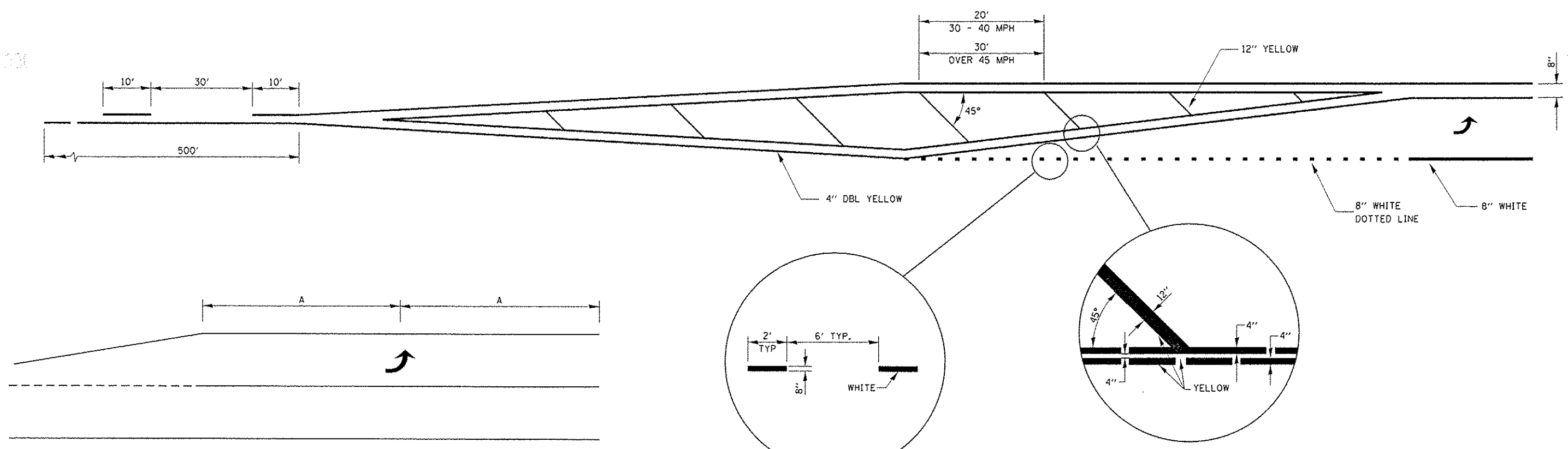
EXISTING STRUCTURE STEEL DETAILS  
STRUCTURE NO. 050-0140 - LOCATION 2

| F.A. RTE.                 | SECTION             | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------------|---------|--------------|-----------|
|                           | (1HB)BP & (1HB)-1BP | LASALLE | 20           | 19        |
| CONTRACT NO. 66F77        |                     |         |              |           |
| ILLINOIS FED. AID PROJECT |                     |         |              |           |

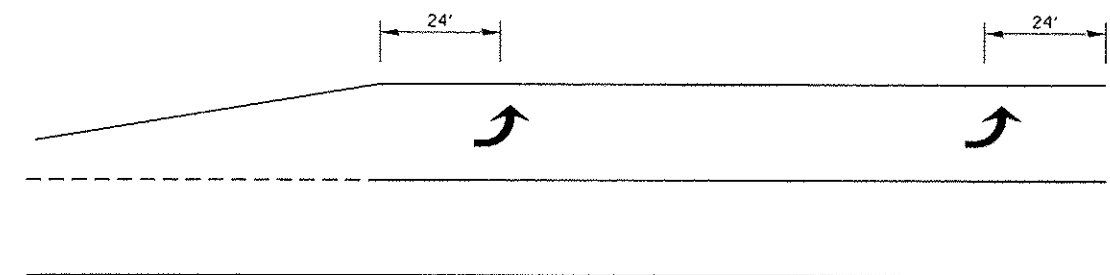
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| PROJECT: 100T Offices\District 3\Projects\036  | DRAWN: Data\66RW-details.dgn | CHECKED - EP  | REVISED - |
| PLOT SCALE: 1/8" = 1'-0"   | DATE: 10/29/2016             |               |           |

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

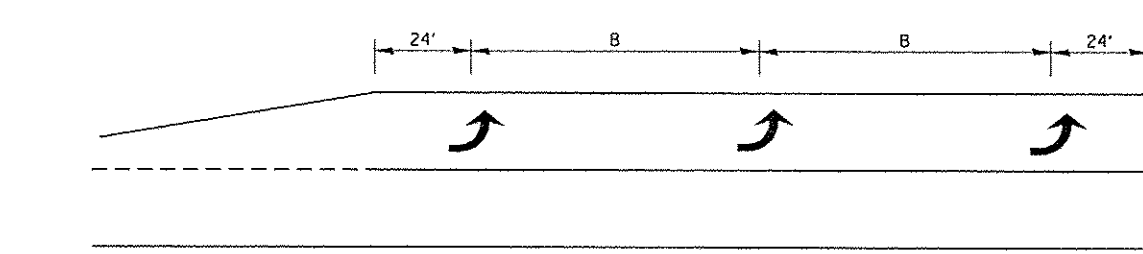
HW 11 131



**99' AND UNDER**

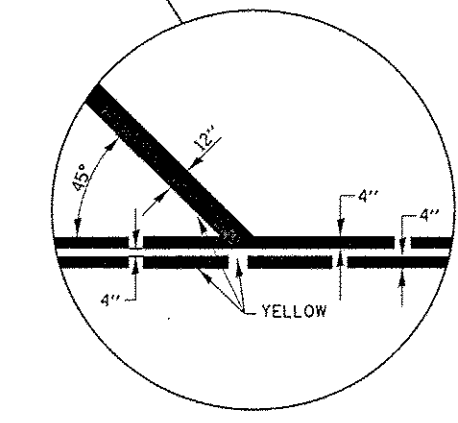
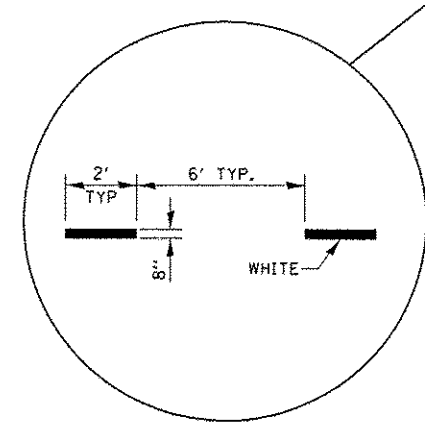


**100' TO 149'**

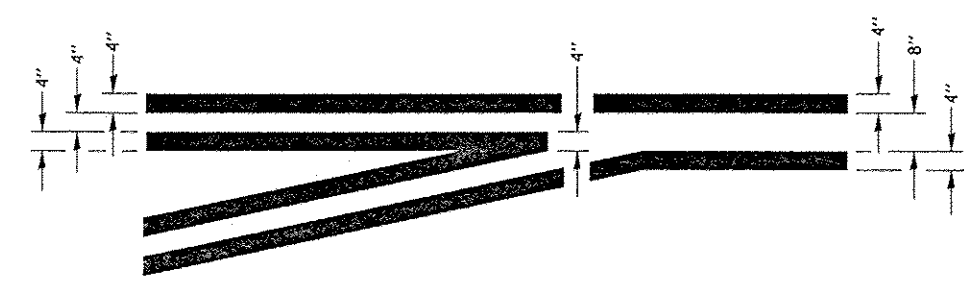


**150' AND LONGER**

**TYPICAL PLACEMENT OF ARROWS  
IN TURN LANES**



**ADVANCE AND INTERSECTION LANE  
DIVIDER LINES**



**TYPICAL APPLICATION  
LEFT TURN LANES**

|  |                        |                   |           |
|--|------------------------|-------------------|-----------|
| FILE NAME :  | USER NAME : woodhank-r | DESIGNED - RW     | REVISED - |
| pw\11094EBID\INTEG\Illinois.gov\PWIDOT\Documents\1001 Of Files\District 3\Projects\0306\DRAWN\0166RW-details.dgn |                        | DRAWN ON 11/16/16 | REVISED - |
| Default  |                        | CHECKED - EP      | REVISED - |
|  |                        | DATE - 10/29/2016 | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|                                 |                                  |
|---------------------------------|----------------------------------|
| <b>TYPICAL PAVEMENT MARKING</b> |                                  |
| SCALE:                          | SHEET 4 OF 4 SHEETS STA. TO STA. |

|   |                     |         |              |           |
|---|---------------------|---------|--------------|-----------|
| *FAP 623 (US 6) & FAU 6087 (7th STREET) |                     |         |              |           |
| F. & RTE.                               | SECTION             | COUNTY  | TOTAL SHEETS | SHEET NO. |
| •                                       | (1HB)BP & (1HB-1)BP | LASALLE | 20           | 20        |
| CONTRACT NO. 66F77                      |                     |         |              |           |
| ILLINOIS FED. AID PROJECT               |                     |         |              |           |