

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|---------------|----------|--------------------|-----------|
| 57 | 46(4HVB,4B)BP | KANKAKEE | 12 | 1 |
| FED. ROAD DIST. NO. | | ILLINOIS | CONTRACT NO. 66738 | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAI ROUTE (I-57)
SECTION 46(4HVB,4B)BP

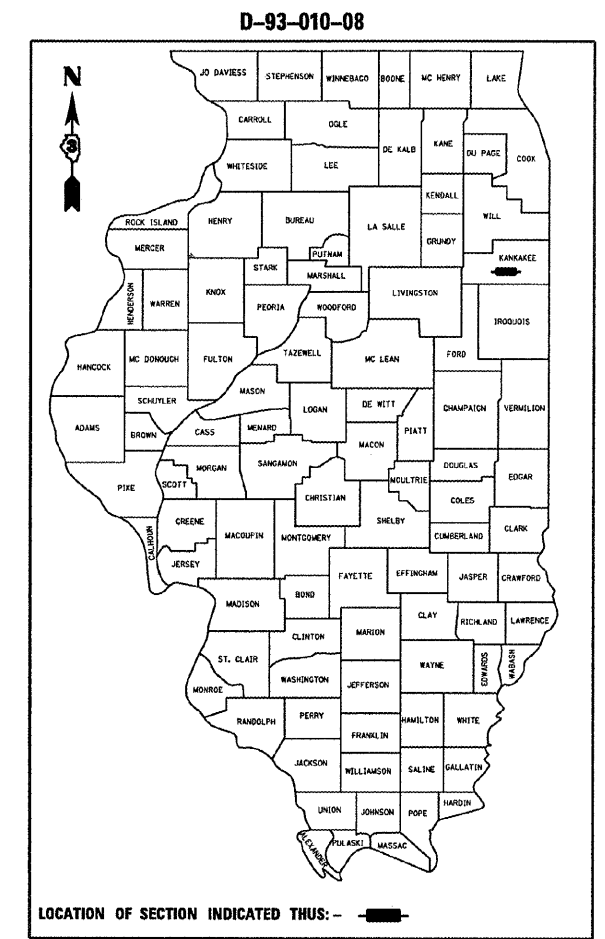
KANKAKEE COUNTY
C-93-018-08
BRIDGE PAINTING

INDEX OF SHEETS

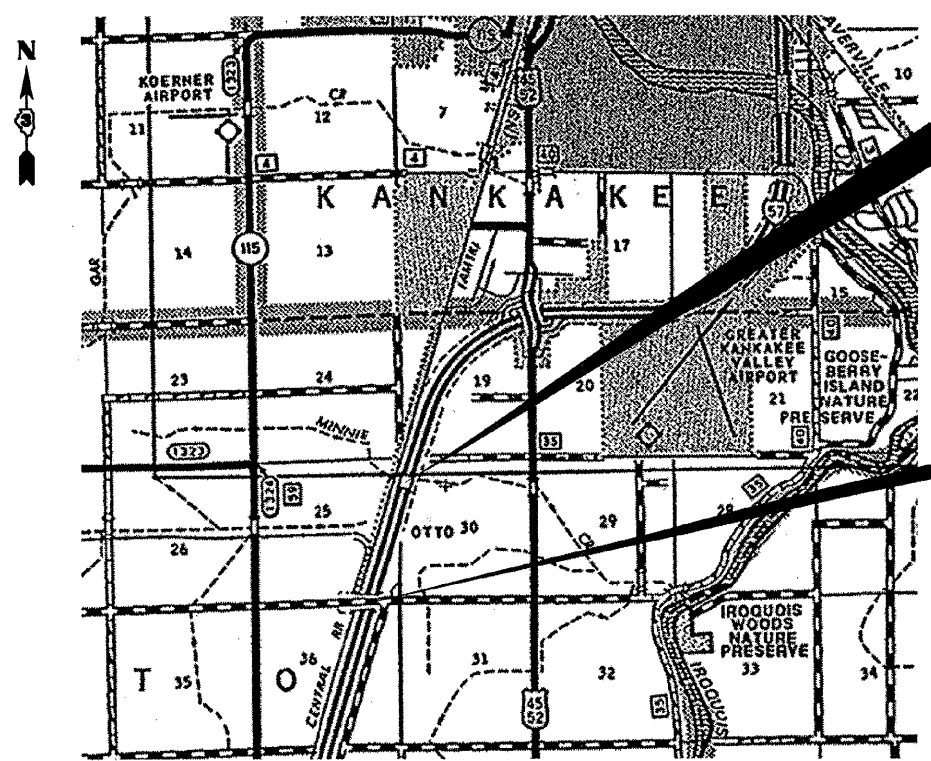
1. COVER SHEET
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. TYPICAL SECTIONS
5. TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)
6. TEMPORARY CONCRETE BARRIER DETAILS, S.N. 046-0001
7. TEMPORARY CONCRETE BARRIER DETAILS, S.N. 046-0089
8. PLAN AND ELEVATION, S.N. 046-0001
9. STRUCTURAL STEEL, S.N. 046-0001
10. PLAN AND ELEVATION, S.N. 046-0089
- 11 - 12. STRUCTURAL STEEL, S.N. 046-0089

STANDARDS

- | | |
|-----------|---|
| 000001-05 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 635011-01 | REFLECTOR MARKER AND MOUNTING DETAILS |
| 701011-01 | OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY |
| 701101-01 | OFF-ROAD OPERATIONS MULTILANE, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE |
| 701301-02 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701400-02 | APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701402-06 | LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER |
| 701901 | TRAFFIC CONTROL DEVICES |
| 704001-04 | TEMPORARY CONCRETE BARRIER |



FUNCTIONAL CLASSIFICATION
RURAL - INTERSTATE
F.A.I. ROUTE 57 (I-57)
2005 ADT = 18800
P.V = 69.9% M.U. = 24.5% S.U. = 5.6%



BRIDGE LOCATION 1
SN 046-0001
SECTION 46-4B
FAI 57 NB OVER A CREEK
4.30 MI. NORTH OF CHEBANSE

BRIDGE LOCATION 2
SN 046-0089
SECTION 46-4HVB
FAI 57 OVER OTTO ROAD
3.40 MI. NORTH OF CHEBANSE

LOCATION MAP
NOT TO SCALE
POINT LOCATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 12/20/07
George R. Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
February 1, 2008
Eric E. Harn
ENGINEER OF DESIGN AND ENVIRONMENT
February 20, 2008
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

MICROFILMED _____
REEL NUMBER _____
AWARDED _____
RESIDENT ENGINEER _____
AS BUILT CHANGES WERE MADE
ON THE FOLLOWING SHEETS _____

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

DISTRICT NO. 3 815-434-6131
PROJECT ENGINEER: JOE KANNEL
UNIT CHIEF: RON WOODSHANK
TOWNSHIP: OTTO

CONTRACT NO. 66738

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 EXISTING STRUCTURAL STEEL CONTAINS LEAD. THE CONTRACTOR SHOULD TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD PAINT ON THIS PROJECT.

THE SSPC-QP1 AND SSPC-QP2 PAINTING CONTRACTOR CERTICATIONS WILL **NOT** BE REQUIRED FOR THIS PROJECT.

ALL EXISTING STEEL, INCLUDING BEAMS, DIAPHRAGMS, ANGLES, BEARINGS (AND ALL COMPONENTS) ETC. SHALL BE CLEANED AS SPECIFIED

DATE: 12/18/07
 PREPARED BY: [Signature]
 DISTRICT STUDIES & PLANS ENGINEER
 EXAMINED BY: [Signature]
 DISTRICT CONSTRUCTION ENGINEER
[Signature]
 DISTRICT MATERIALS ENGINEER
[Signature]
 DISTRICT OPERATIONS ENGINEER

| | | | |
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| ca:\projects\bridgepaint.08\246-0201 & B | dgn | DRAWN - RON WOODSHANK | REVISED - |
| | PLOT SCALE = 205.0050 / / IN. | CHECKED - | REVISED - |
| | PLOT DATE = Dec 06, 2007 - 10:47:35 AM | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: SHEET NO. 2 OF 12 SHEETS

| | | | | |
|------------------------------|---------------|----------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 57 | 4614HVB,4B1BP | KANKAKEE | 12 | 2 |
| FED. ROAD DIST. NO. ILLINOIS | | | CONTRACT NO. 66738 | |

SUMMARY OF QUANTITIES

CONSTRUCTION CODE: SFTY-2A

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | RURAL | 100% STATE |
|----------|--|-------|----------------|--------------------------|------------------------|
| | | | | S.N. 046-0001 46-4HVB | S.N. 046-0089 46-4B |
| 50600600 | CLEANING AND PAINTING STEEL BRIDGE NO. 1 | L SUM | 1 | 1 | |
| 50600700 | CLEANING AND PAINTING STEEL BRIDGE NO. 2 | L SUM | 1 | | 1 |
| 50606401 | CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1 | L SUM | 1 | 1 | |
| 50606402 | CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO.2 | L SUM | 1 | | 1 |
| 67100100 | MOBILIZATION | L SUM | 1 | 0.5 | 0.5 |
| 70100450 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 | L SUM | 1 | | 1 |
| 70101605 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL) | EACH | 2 | 1 | 1 |
| 70301000 | WORK ZONE PAVEMENT MARKING REMOVAL | SQ FT | 3340 | 1200 | 2140 |
| 70400100 | TEMPORARY CONCRETE BARRIER | FOOT | 850 | 310 | 540 |
| 70400200 | RELOCATE TEMPORARY CONCRETE BARRIER | FOOT | 300 | | 300 |
| X5067501 | BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1 | L SUM | 1 | 1 | |
| X5067502 | BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2 | L SUM | 1 | | 1 |
| Z0030250 | IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 | EACH | 2 | 1 | 1 |
| Z0030350 | IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3 | EACH | 3 | | 3 |
| Z0048665 | RAILROAD PROTECTIVE LIABILITY INSURANCE | L SUM | 1 | | 1 |

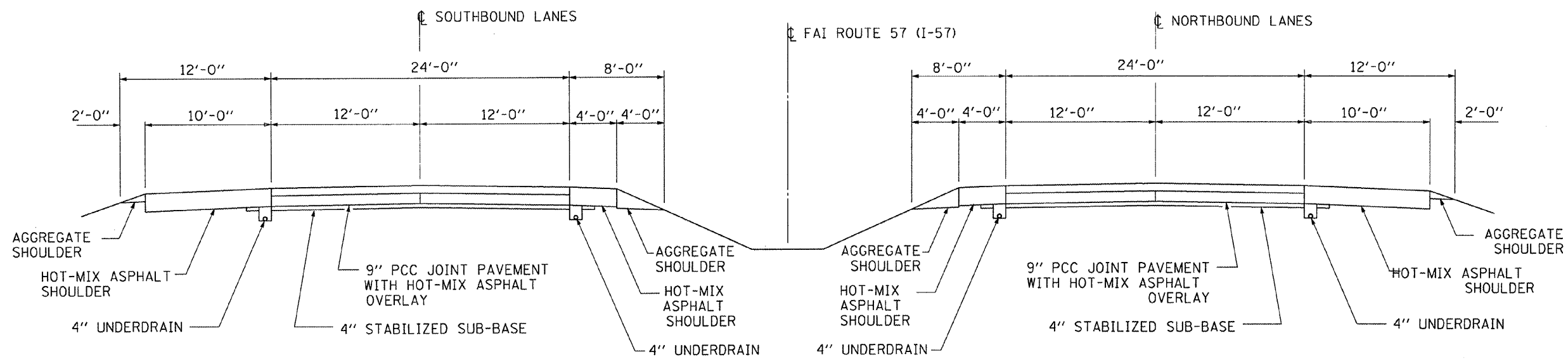
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

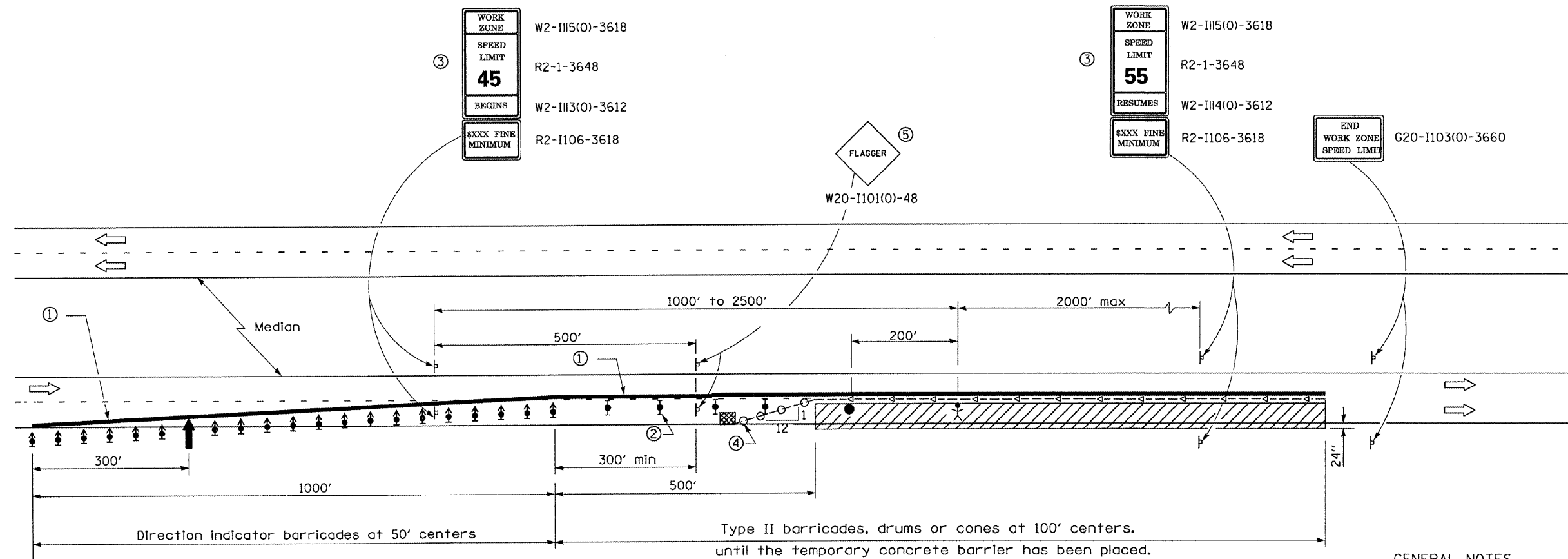
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|------------------------------|---------------|----------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 57 | 46(4HVB,4B)BP | KANKAKEE | 12 | 3 |
| FED. ROAD DIST. NO. ILLINOIS | | | CONTRACT NO. 66738 | |



TYPICAL SECTION

| | | | | | | | | | | |
|---|-------------------------|--------------------------|-----------|---|------------------------|--------------------------|---------------|----------|-----------------|--------------|
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| PLOT DATE = Dec 26, 2007 - 10:47:45 AM | DATE - | DATE - | REVISED - | | | FED. ROAD DIST. NO. | ILLINOIS | | | |
| | | | | | SCALE: | SHEET NO. 4 OF 12 SHEETS | | | | |



See Standard 701400 for approach
Start of lane closure taper

- SYMBOLS**
- Arrow board
 - Work area
 - Worker
 - Sign
 - Direction indicator barricade with steady burn monodirectional light
 - Type II barricade, drum, or vertical barricade with steady burn monodirectional light
 - Flagger with traffic control sign
 - Temporary concrete barrier
 - Type C Monodirectional reflector
 - Vertical panel with steady burn monodirectional light.
 - Impact attenuator

Type II barricades, drums or cones at 100' centers, until the temporary concrete barrier has been placed.

GENERAL NOTES

This Standard is used where at any time any vehicle, equipment, workers or their activities will encroach on the lane adjacent to the shoulder, or on the shoulder within 24" of the edge of pavement whenever temporary concrete barrier is warranted.

This Standard must always be used in combination with Standard 701400.

This Standard also applies when work is being performed in the left lane. Under these conditions, the set up would be a mirror image to what is shown.

A check barricade shall be placed in the middle of the closed lane and at the shoulder at 1000' centers.

The cost of materials, equipment and labor to utilize this traffic control and protection as shown will be paid for at the contract unit bid price for TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL) and no further compensation will be allowed.

Temporary concrete barrier shall be paid for according to Section 704 of the Standard Specifications.

- ① ReflectORIZED temporary pavement marking tape shall be placed throughout the taper, and alongside the tangent section of barrier. The edge line shall be white for right lane closure and yellow for left lane closures. Temporary pavement marking shall be paid for according to Article 703.07 of the Standard Specifications.
- ② Type II barricades, drums or cones shall be used alongside the tangent portion of the work zone to provide protection during the installation of the temporary concrete barrier.
- ③ Work Zone speed limit signs shall remain in place and uncovered for the duration of the project.
- ④ Vertical panels at 25' centers with steady burning monodirectional lights.
- ⑤ Flagger signs shall be covered after the temporary concrete barrier is in place and uncovered when the temporary concrete barrier is removed or relocated and replaced with Type II barricades, drums or cones to maintain the lane closure. The additional drums, Type II barricades or cones, required shall be included in the cost of Traffic Control and Protection, Standard 701402 (Special).

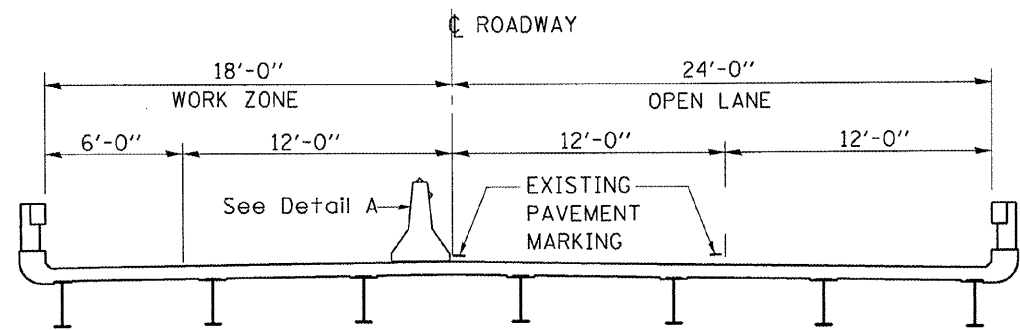
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION
STANDARD 701402 (SPECIAL)**

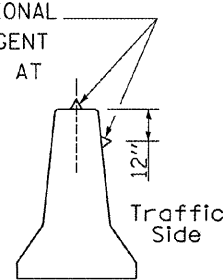
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| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 57 | 46(4HV8,4B1BP) | KANKAKEE | 12 | 5 |
| FED. ROAD DIST. NO. | | ILLINOIS | | |
| | | CONTRACT NO. 66738 | | |

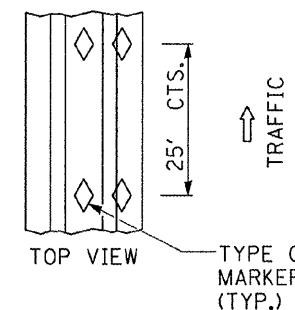


CROSS SECTION
LOOKING SOUTH

TYPE C MONODIRECTIONAL REFLECTORS ON TANGENT PORTION OF BARRIER AT 50' CTS.



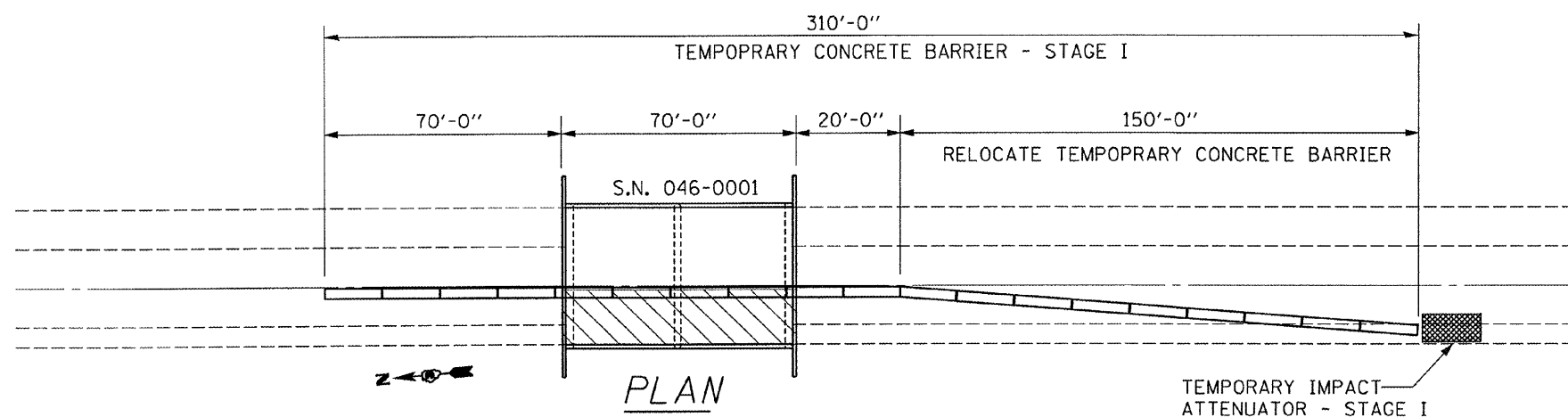
DETAIL A
(BARRIER WALL REFLECTORS)



TOP VIEW
TYPE C MARKER (TYP.)

LENGEND

- Work Zone
- Temporary concrete barrier
- Impact attenuator



NOTE:

THIS DETAIL SHALL BE USED IN CONJUNCTION WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701402 (SPECIAL)

TOTAL BILL OF MATERIALS
S.N. 046-0001

| ITEM | | TOTAL |
|--|------|-------|
| TEMPORARY CONCRETE BARRIER | FOOT | 310 |
| IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, TEST LEVEL 3) | EACH | 1 |

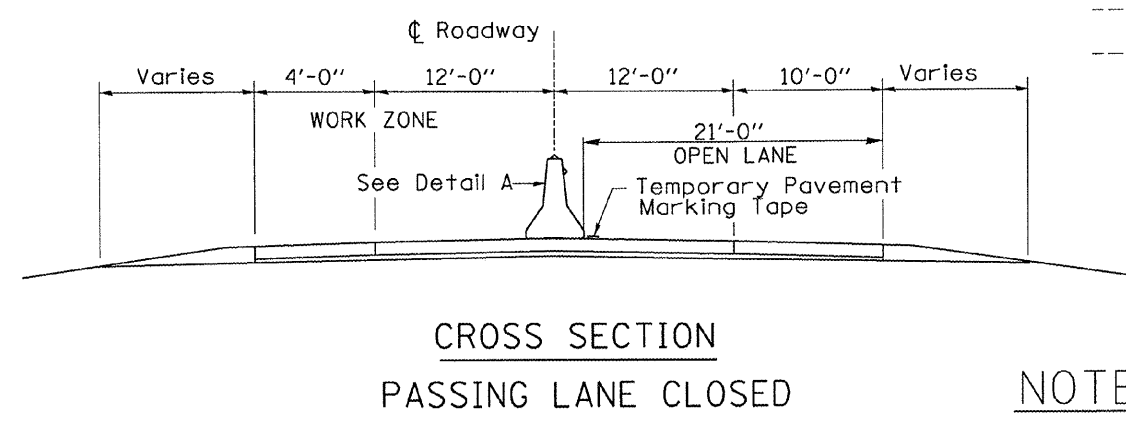
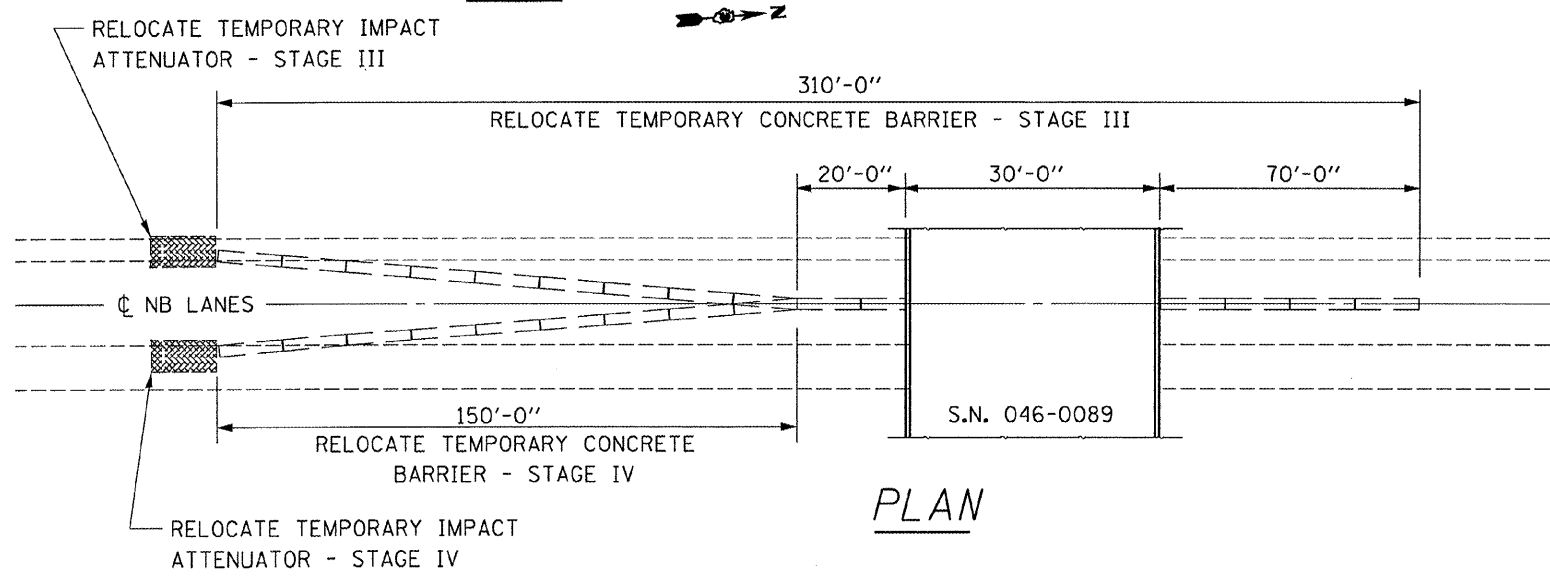
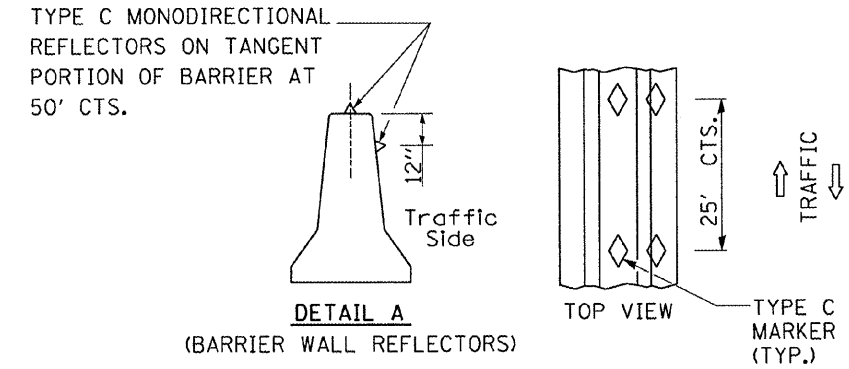
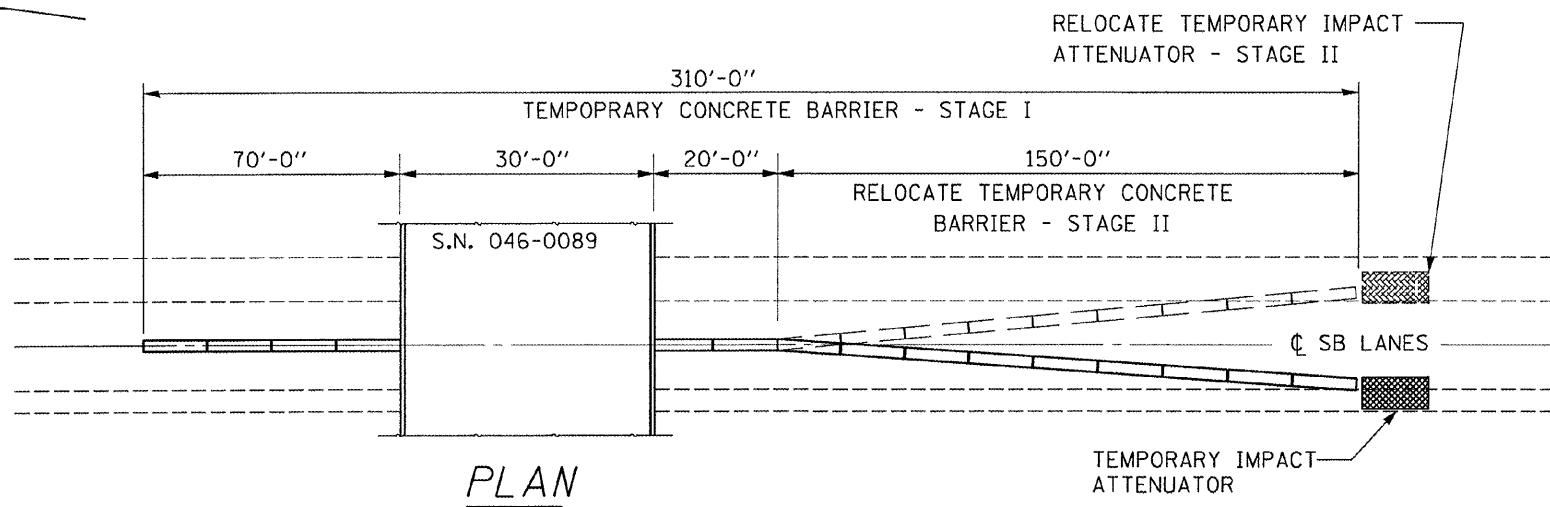
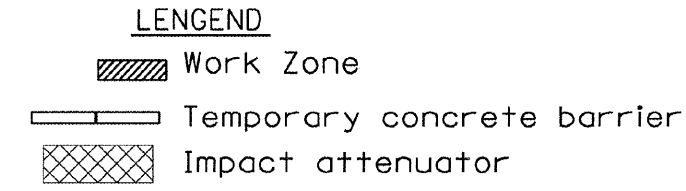
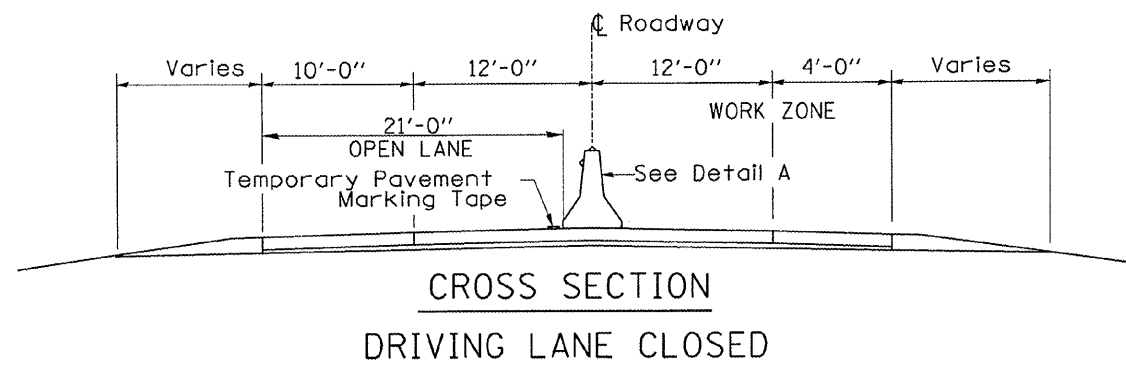
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER DETAILS
S.N. 046-0001

SCALE: SHEET NO. 6 OF 12 SHEETS

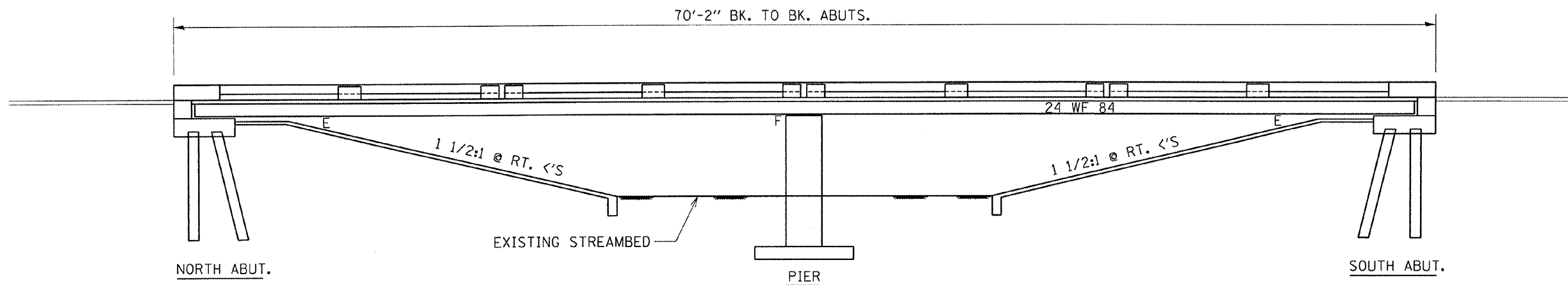
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| FED. ROAD DIST. NO. ILLINOIS | | | CONTRACT NO. 66738 | |



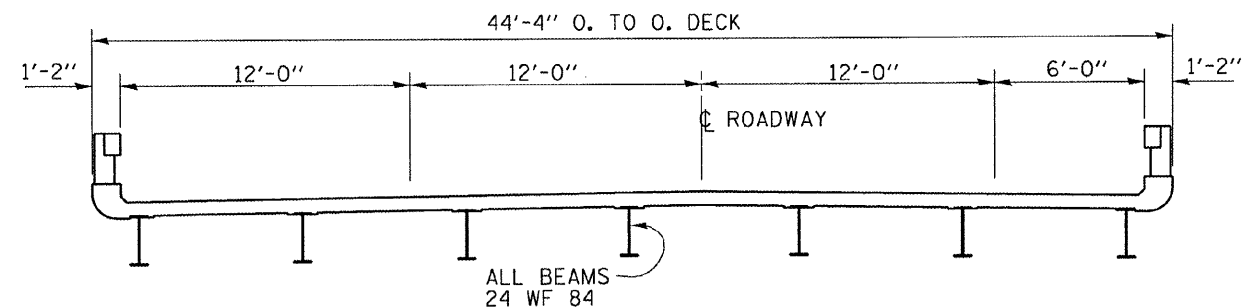
**TOTAL BILL OF MATERIALS
S.N. 046-0089**

| ITEM | UNIT | TOTAL |
|--|------|-------|
| TEMPORARY CONCRETE BARRIER | FOOT | 540 |
| RELOCATE TEMPORARY CONCRETE BARRIER | FOOT | 300 |
| IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, TEST LEVEL 3) | EACH | 1 |
| IMPACT ATTENUATOR, RELOCATE (NON-REDIRECTIVE, TEST LEVEL 3) | EACH | 3 |

NOTE:
THIS DETAIL SHALL BE USED IN CONJUNCTION WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701402 (SPECIAL)



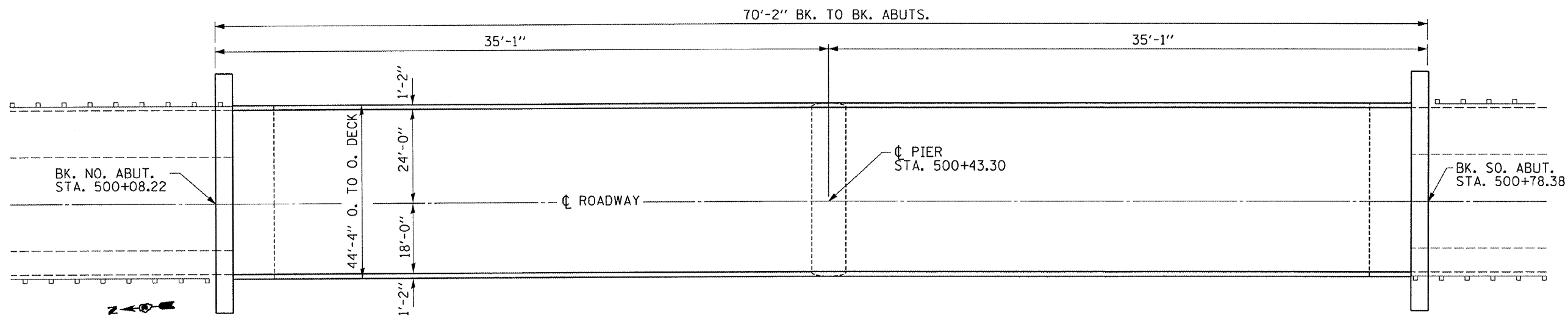
ELEVATION



CROSS SECTION

TOTAL BILL OF MATERIALS
S.N. 046-0001

| ITEM | | TOTAL |
|---|-------|-------|
| CLEANING AND PAINTING STEEL BRIDGE NO. 1 | L SUM | 1 |
| CONTAINMENT AND DISPOSAL OF LEAD PAINT | L SUM | 1 |
| CLEANING RESIDUES NO. 1 | | |
| BRIDGE CLEANING AND PAINTING WARRANTY NO. 1 | L SUM | 1 |



PLAN

GENERAL PLAN AND ELEVATION
 F.A.I. ROUTE 57 OVER MINNIE CREEK
 F.A.I. ROUTE 57 SECTION 46-4B
 KANKAKEE COUNTY
 STA. 500+43.3
 S.N. 046-0001

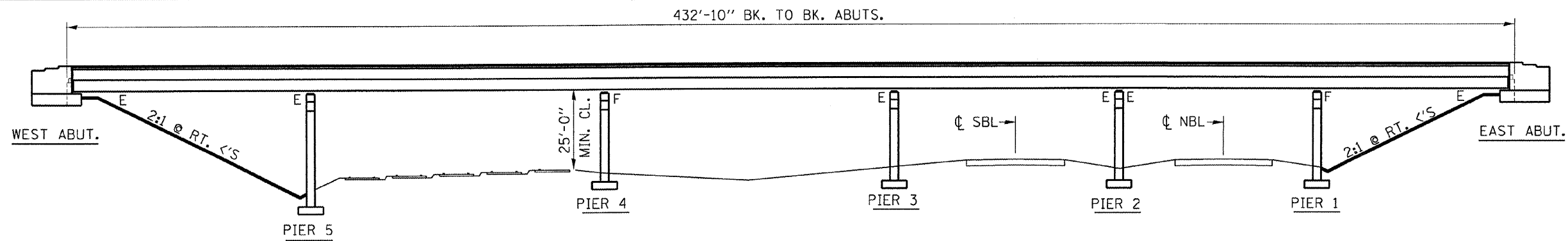
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

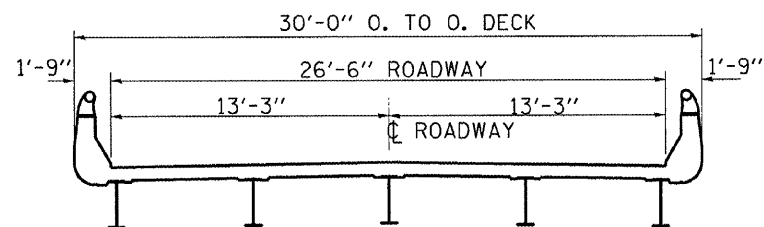
PLAN AND ELEVATION - S.N. 046-0001

SCALE: SHEET NO. 8 OF 12 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------------|----------------|----------|--------------------|-----------|
| 57 | 46(4)VB, 4BIBP | KANKAKEE | 12 | 8 |
| FED. ROAD DIST. NO. [ILLINOIS] | | | CONTRACT NO. 66738 | |



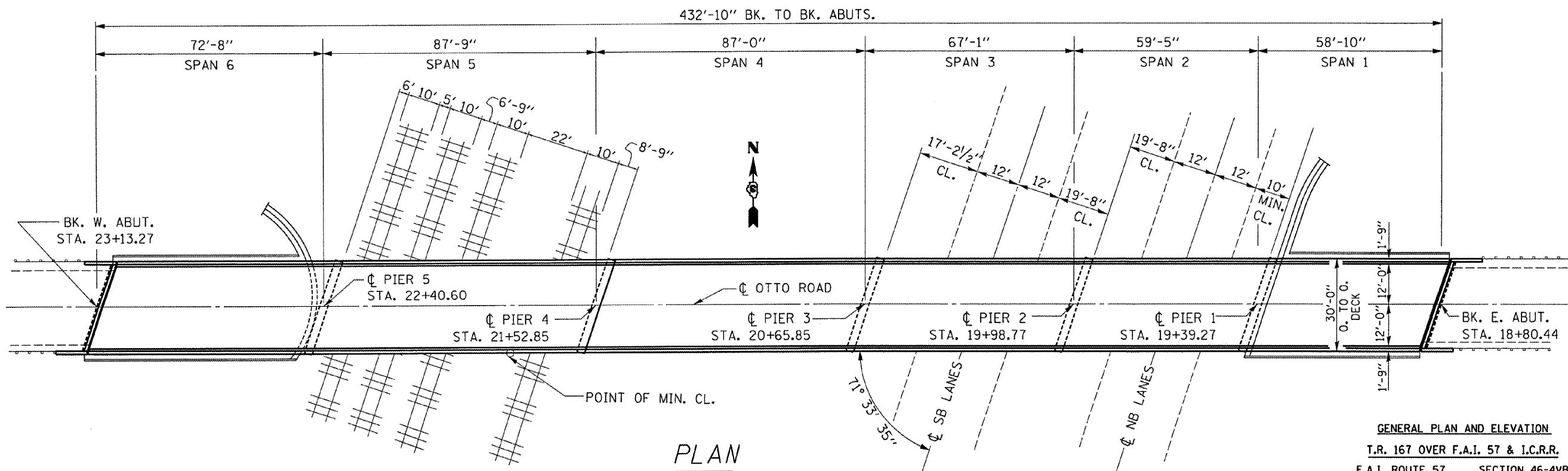
ELEVATION



CROSS SECTION

TOTAL BILL OF MATERIALS
S.N. 046-0089

| ITEM | | TOTAL |
|---|-------|-------|
| CLEANING AND PAINTING STEEL BRIDGE NO. 2 | L SUM | 1 |
| CONTAINMENT AND DISPOSAL OF LEAD PAINT | L SUM | 1 |
| CLEANING RESIDUES NO. 2 | | |
| BRIDGE CLEANING AND PAINTING WARRANTY NO. 2 | L SUM | 1 |



PLAN

GENERAL PLAN AND ELEVATION
T.R. 167 OVER F.A.I. 57 & I.C.R.R.
F.A.I. ROUTE 57 SECTION 46-4VB
KANKAKEE COUNTY
STA. 547+89.82
S.N. 046-0089

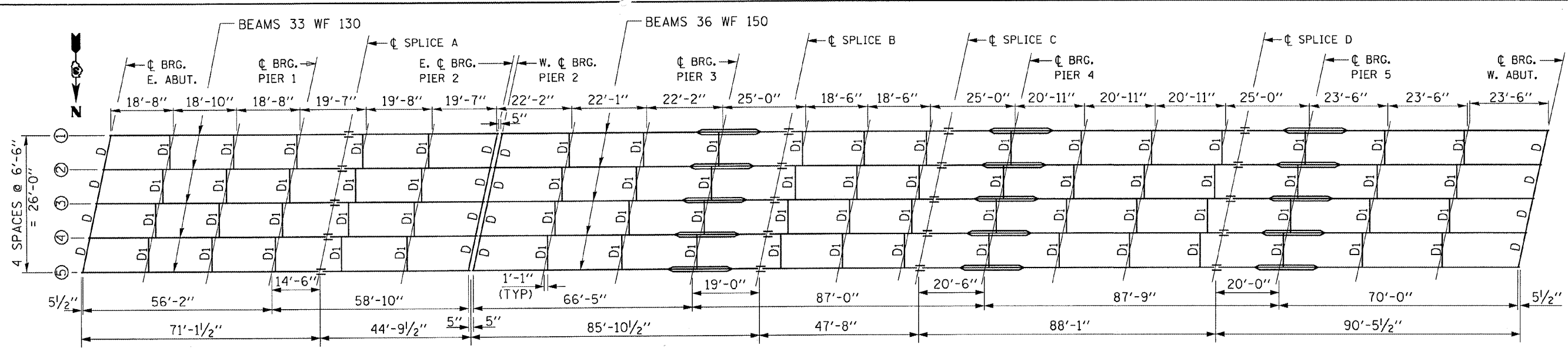
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

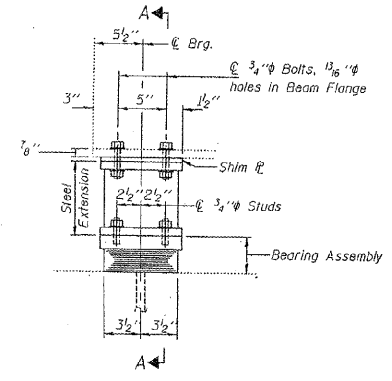
PLAN AND ELEVATION - S.N. 046-0089

SCALE: SHEET NO. 10 OF 12 SHEETS

| | | | | |
|------------------------------|-----------------------|-----------------|--------------------|--------------|
| F.A.I. RTE. 57 | SECTION 46(4)VB,4B)BP | COUNTY KANKAKEE | TOTAL SHEETS 12 | SHEET NO. 10 |
| FED. ROAD DIST. NO. ILLINOIS | | | CONTRACT NO. 66738 | |

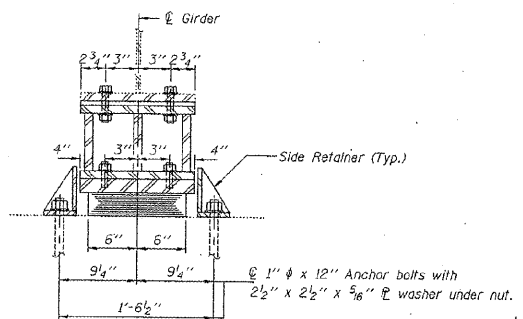


FRAMING PLAN

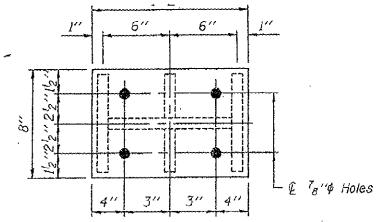


ELEVATION AT EAST ABUT. & EAST BRG. PIER #2

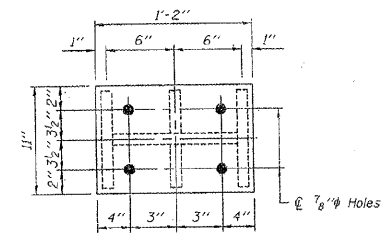
TYPE I ELASTOMERIC EXP. BRG.



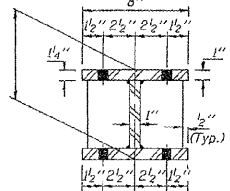
SECTION A-A



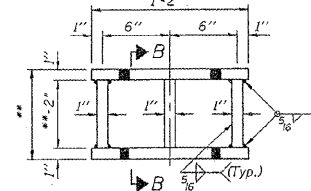
PLAN TOP AND BOTTOM PLATE



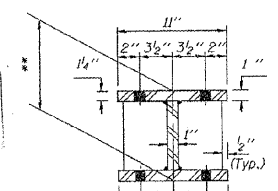
PLAN TOP AND BOTTOM PLATE



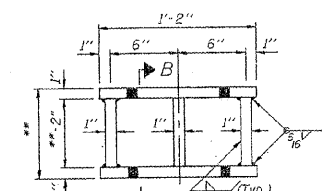
SECTION B-B



STEEL EXTENSION DETAIL

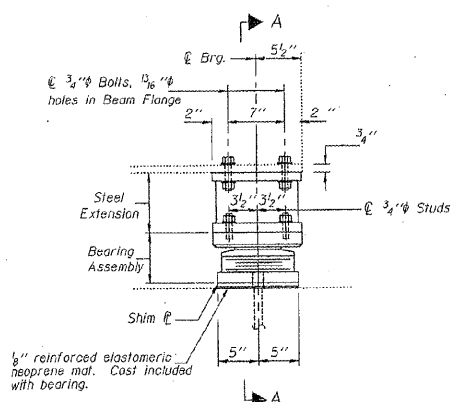


SECTION B-B



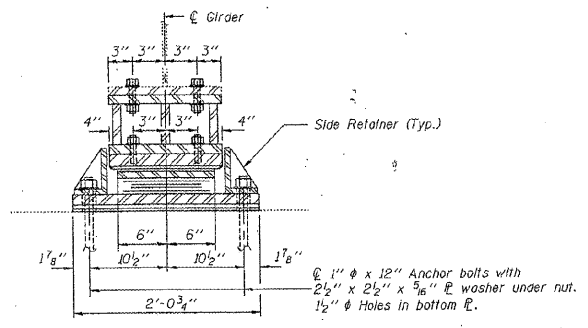
STEEL EXTENSION DETAIL

NOTE: For removal of existing bearing details see sheet 13 of 16.



ELEVATION AT WEST ABUT. AND WEST BRG. PIER #2

TYPE II TFE ELASTOMERIC EXP. BRG.



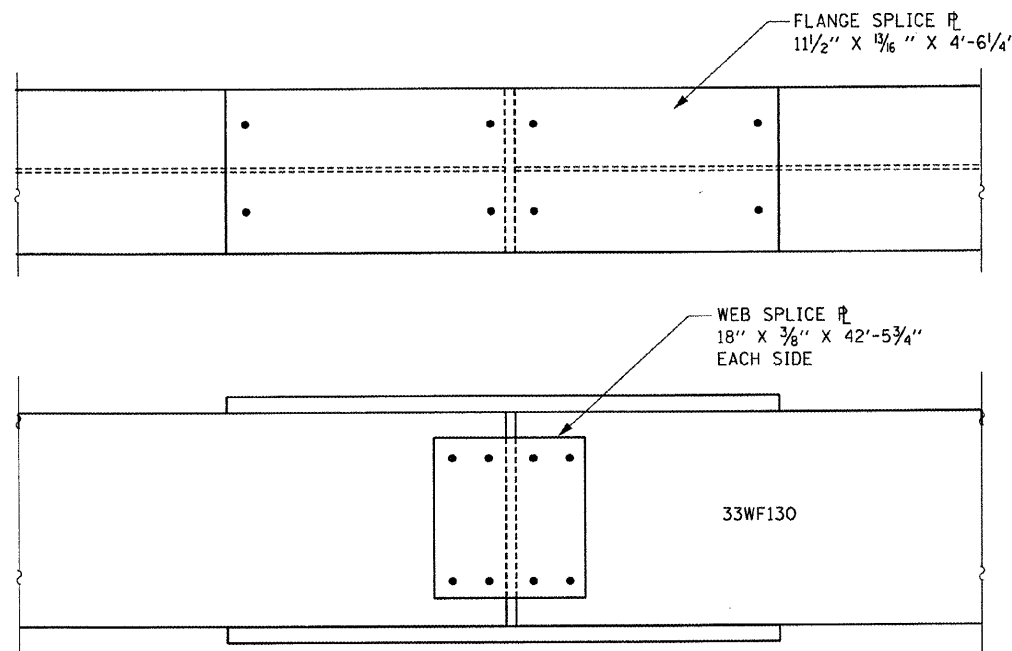
SECTION A-A

| Location | *** Girder | 1 | 2 | 3 | 4 | 5 |
|-------------------|-----------------|---------|---------|---------|---------|---------|
| East Abutment | Steel Extension | 10 5/8" | 10 5/8" | 10 5/8" | 10 5/8" | 10 5/8" |
| | Shim thickness | 5/8" | - | - | 1/4" | - |
| East Brg. Pier #2 | Steel Extension | 10 3/8" | 10 3/8" | 10 3/8" | 10 3/8" | 10 3/8" |
| | Shim thickness | - | - | 1/4" | 3/8" | 1/8" |

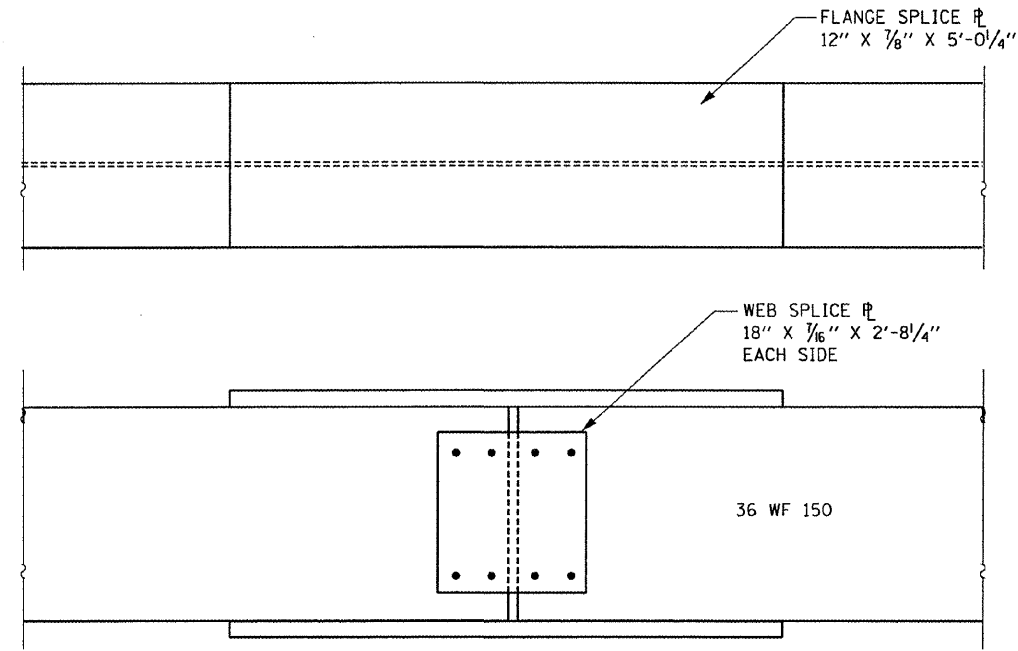
*** Girder designation is from South to North

| Location | *** Girder | 1 | 2 | 3 | 4 | 5 |
|-------------------|-----------------|--------|--------|--------|--------|--------|
| West Brg. Pier #2 | Steel Extension | 6 1/8" | 6 1/8" | 6 1/8" | 6 1/8" | 6 1/8" |
| | Shim thickness | 1/2" | 1/4" | 1/4" | 3/8" | - |
| West Abutment | Steel Extension | 6 5/8" | 6 5/8" | 6 5/8" | 6 5/8" | 6 5/8" |
| | Shim thickness | - | 3/8" | 1/4" | 1/4" | - |

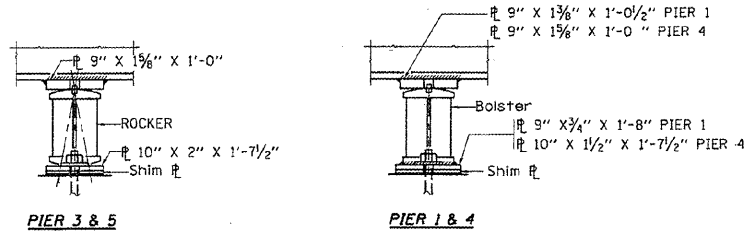
*** Girder designation is from South to North



DETAIL OF SPLICE A

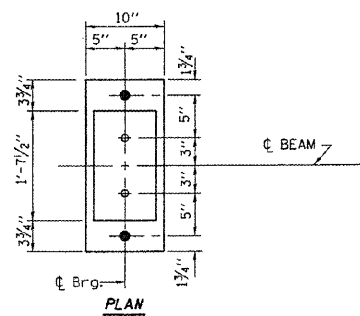


DETAIL OF SPLICE B, C, D

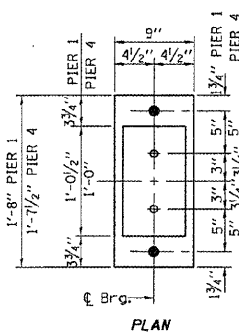


PIER 3 & 5

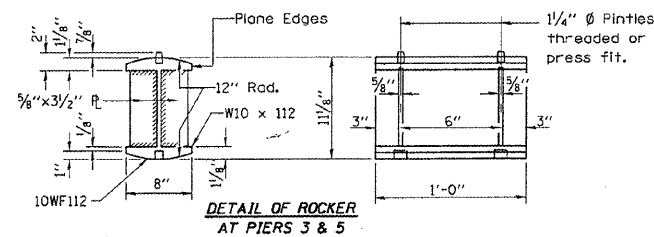
PIER 1 & 4



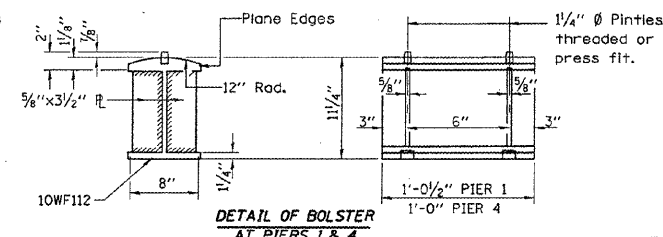
PLAN



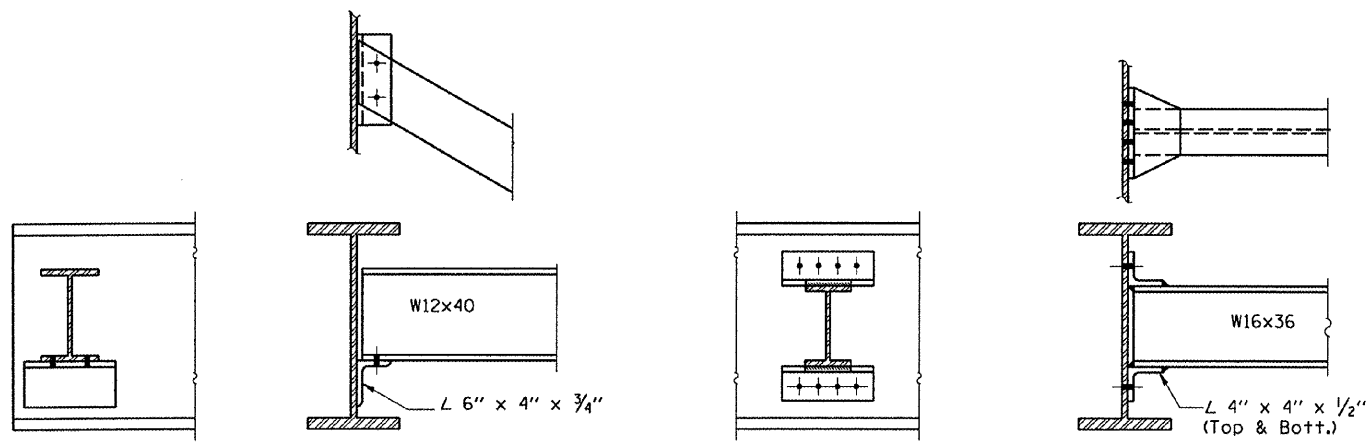
PLAN



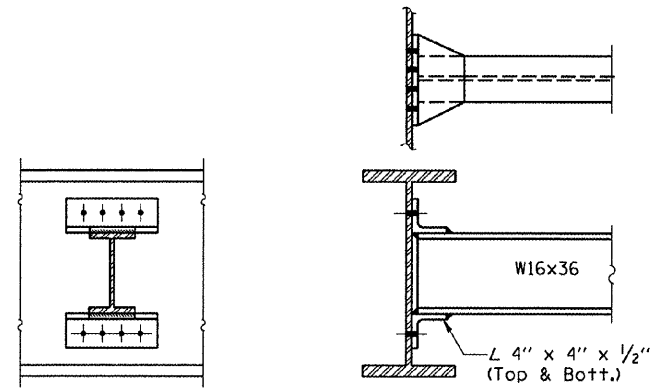
DETAIL OF ROCKER AT PIERS 3 & 5



DETAIL OF BOLSTER AT PIERS 1 & 4



DIAPHRAGM D



DIAPHRAGM D1

| | | | |
|---|-------------------------|--------------------------|-----------|
| FILE NAME = | USER NAME = woodshankr1 | DESIGNED - RON WOODSHANK | REVISED - |
| ca\projects\bridgepaint_08\846-0081 & B | dgn | DRAWN - RON WOODSHANK | REVISED - |
| PLOT SCALE = 286.0858 "/td> <td></td> <td>CHECKED -</td> <td>REVISED -</td> | | CHECKED - | REVISED - |
| PLOT DATE = Dec 05, 2007 - 10:48:51 AM | | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL - S.N. 046-0089

SCALE: SHEET NO. 12 OF 12 SHEETS

| | | | | |
|------------------------------|---------------|----------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 57 | 46(4HV8,4B)BP | KANKAKEE | 12 | 12 |
| FED. ROAD DIST. NO. ILLINOIS | | | CONTRACT NO. 66738 | |