

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------|--------|--------------|-----------|
| 626 | (42B) | KNOX | 11 | 1 |

DESIGNER: CLARK JONES
PHONE: (309)671-3452

PROJECT ENGINEER: JIM MILLER
PHONE: (309)671-3451

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

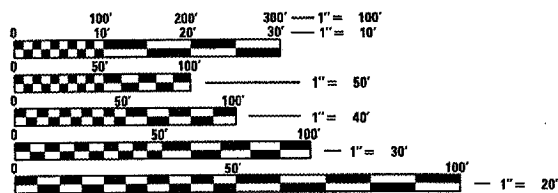
FAP 626 (IL 97)
SECTION (42B)
KNOX COUNTY
C-94-004-08

INDEX OF SHEETS:

1. COVER SHEET
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. TYPICAL SECTIONS
5. SCHEDULE OF QUANTITIES
- 6-7. PLAT SHEETS
8. GENERAL LAYOUT
9. TRAFFIC CONTROL
- 10-11. GENERAL PLAN & ELEVATION, BEAM DETAILS

STANDARDS:

- 701001-01 701901
- 701006-02
- 701201-02

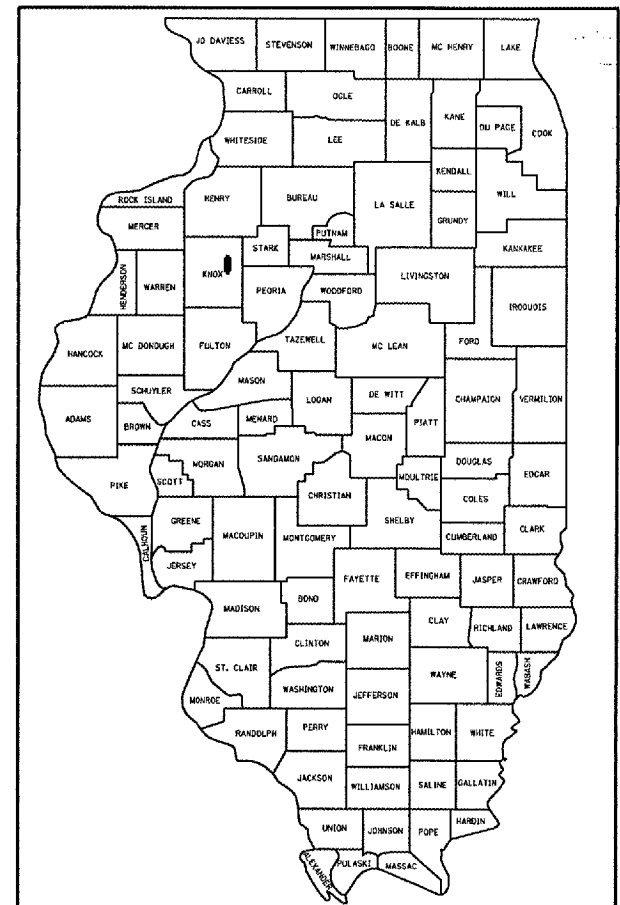


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

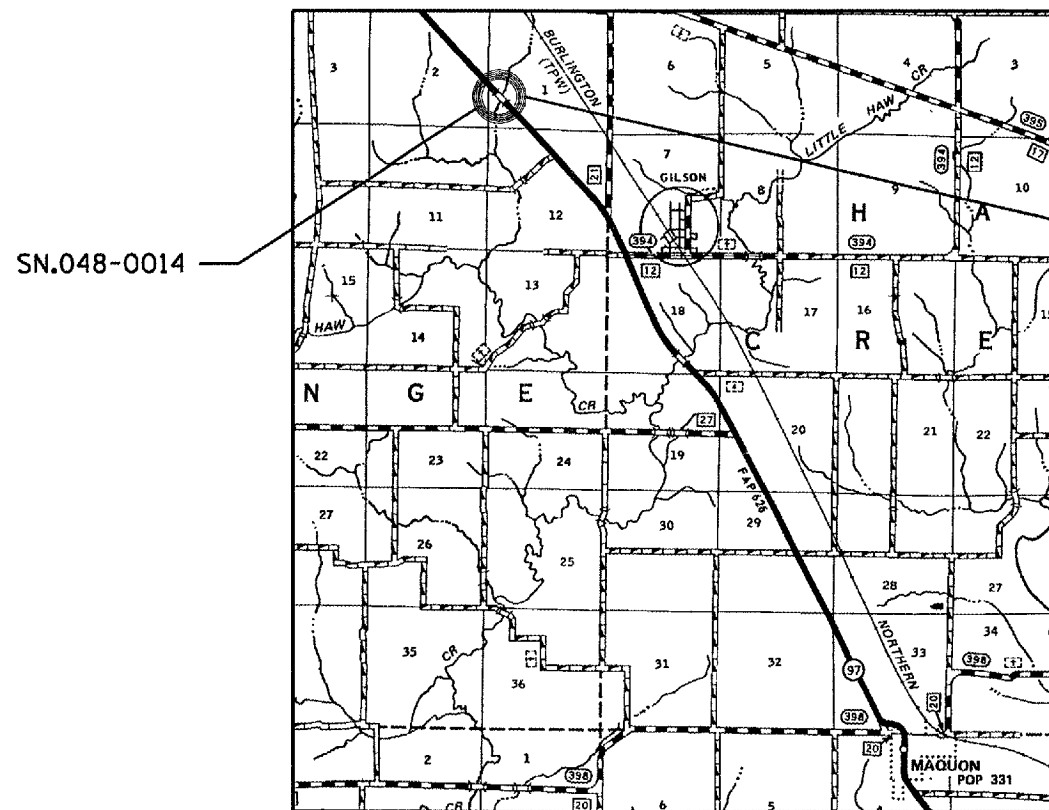
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CONTRACT NO. 68767 CAT. NO. 033616-00D

D-94-004-08



LOCATION OF SECTION INDICATED THUS: - [Symbol] -



LOCATION MAP

PROJECT CONSISTS OF BEAM BRACING OF TWO PPC BEAMS ON STRUCTURE (SN.048-0014) CARRYING IL.97 OVER HAW CREEK TRIBUTARY, 6.5 MILES N. OF MAQUON

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED DEC 11 20 07

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 1, 20 08
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

February 1, 20 08
[Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|-------------------|--------------|-----------|
| 626 | (42B)1 | KNOX | 11 | 2 |
| STA. 396+95.50 | | TO STA. 397+28.50 | | |
| FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT | | | | |

COMMITMENTS

No commitments have been made for this project.

GENERAL NOTES

Plan 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.

Construction field requirements for any guardrail work shall be according to Article 633 of the "Standard Specifications for Road and Bridge Construction". Guardrail may be removed & re-erected at the Contractor's discretion for materials delivery and equipment access but shall be included in the cost of the contract. Any structure or guardrail damage that occurs as a result of construction activities shall be the responsibility of the Contractor and repaired and/or replaced without additional cost to the Department.

Construction field requirements for Erosion Control Blanket work shall be according to Supplemental Specification for Section 1081.

Onsite storage of metal materials shall be off of the pavement and according to Article 1006.34

PLOT DATE : #DATE#-13-07
 FILE NAME : #FILE#S:\GEN\DRWF\T\STD\PLNS\SQUAD\A\BRIDGE\Contracta\Emergency\PCB\Bund\Repairs\6B761_S1048-0014_IL_47over-the-Crk.dgn
 PLOT SCALE : #SCALE#
 REFERENCE : #REF#

| REVISIONS | |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: VERT.
 HORIZ.
 DATE 08-13-2007

DRAWN BY CEJ
 CHECKED BY

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|----------------------------------|---------|----------|------------------|--------------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 626 | (42B)-1 | KNOX | 11 | 3 |
| STA. 396+95.50 TO STA. 397+28.50 | | | | |
| FED. ROAD DIST. NO. 4 | | ILLINOIS | FED. AID PROJECT | |

SUMMARY OF QUANTITIES

100% STATE SAFETY - 2A
KNOX

| CODE NO. | ITEM | UNIT | RURAL | TOTAL |
|------------|---|-------|-------|-------|
| * 25100630 | EROSION CONTROL BLANKET | SQYD | 355 | 355 |
| 50500405 | FURNISHING AND ERECTING STRUCTURAL STEEL | POUND | 5,800 | 5,800 |
| 67100100 | MOBILIZATION | LSUM | 1 | 1 |
| 70100450 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 | LSUM | 1 | 1 |
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8DATE08-13-07
 #FILE C:\GEOGRAPHY\STRA\IL\SR\MD\1\BRODCECONTRACT\Emergency\PCB\Barr\Report\USD757 SUB04-0014 IL-97overHAW CRK.dwg
 8:58:46 AM
 RREF

* Seeding of minor areas shall be included in the cost of Erosion Control Blanket.

SN.048-0014 IL.97
over HAW CRK.

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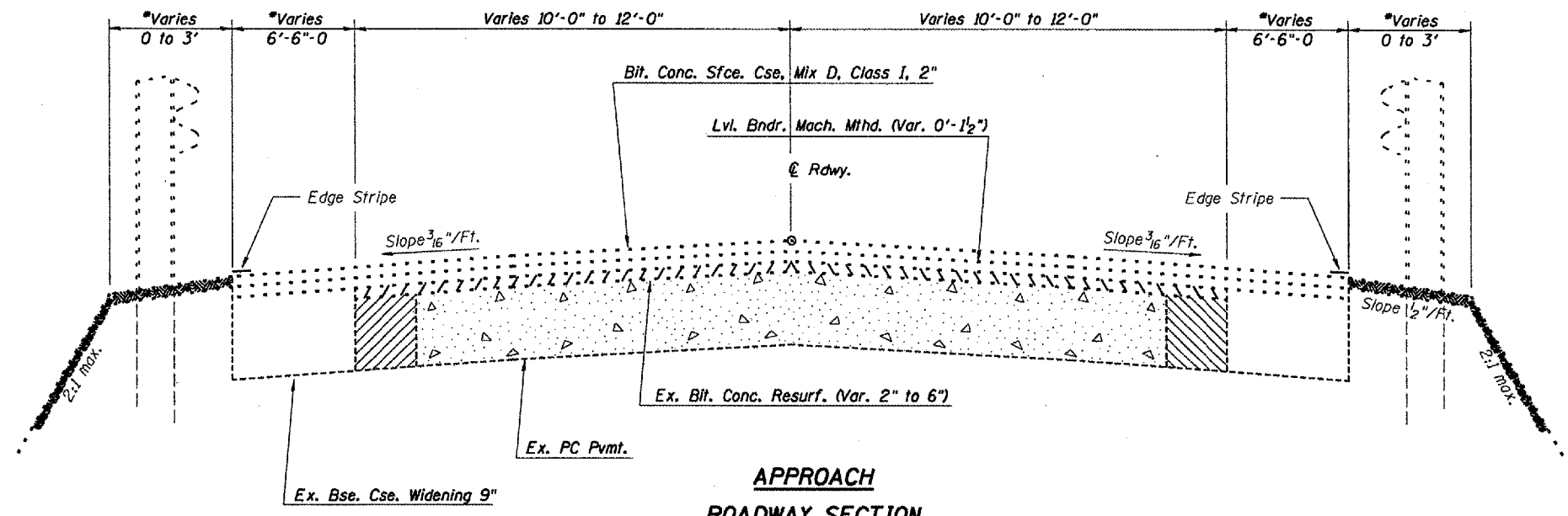
ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT. _____
 HORIZ. _____
 DATE 08-13-2007

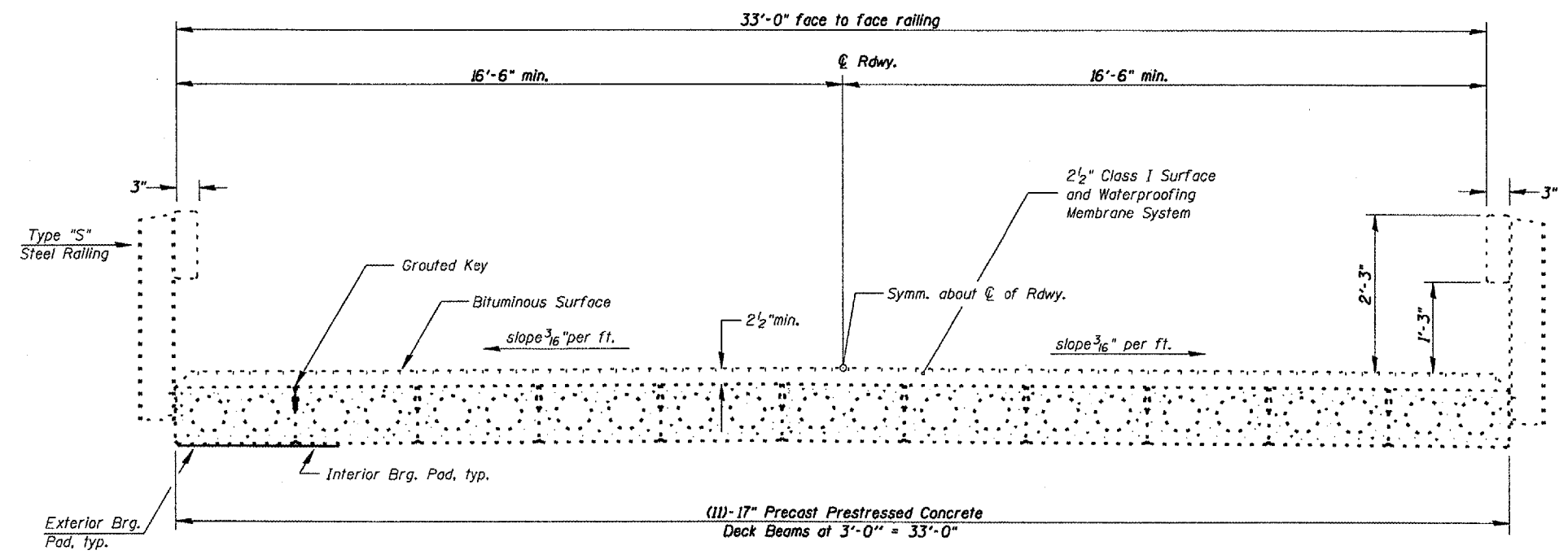
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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|---------|---------------------------|--------------|-----------|
| 626 | (42B) | KNOX | 11 | 4 |
| STA. 396+95.50 | | TO STA. 397+28.50 | | |
| FED. ROAD DIST. NO. 4 | | ILLINOIS FED. AID PROJECT | | |

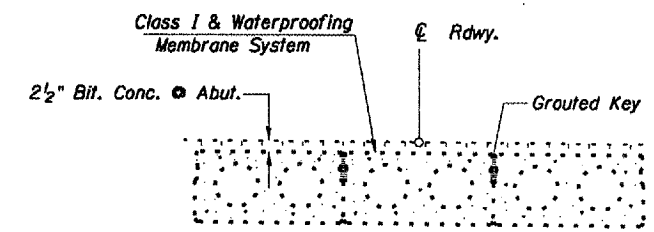


**APPROACH
ROADWAY SECTION**

Sta. 395+70 to Sta. 396+69.5 *0" to 6'-6"
Sta. 397+54.5 to Sta. 398+50 *6'-6" to 0"



BRIDGE CROSS SECTION



**CLASS I DETAIL &
WATERPROOFING TREATMENT**

SN.048-0014 IL.97
over HAW CRK.
Sta. 397+12.00

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ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: VERT. 1"=3'
HORIZ. 1"=3'

DATE 08-15-2007

DRAWN BY CEJ
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PLOT DATE: 08-15-07
 FILE NAME: 081507UGENORRFTASTDPLV5304014BRIDGECONTR-0410A/Emergency/PC/ClassI/typical/IL97overHawCrk.dgn
 PLOT SCALE: 1"=3'
 REFERENCE: SHEET 4

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|---------|---------------------------|--------------|-----------|
| 626 | I42BII | KNOX | 11 | 5 |
| STA. 396+95.50 | | TO STA. 397+28.50 | | |
| FED. ROAD DIST. NO. 4 | | ILLINOIS FED. AID PROJECT | | |

SCHEDULE OF QUANTITIES

MOBILIZATION SCHEDULE

| LOCATION | UNIT | QUANTITY |
|----------|------|----------|
| Jobsite | LSUM | 1.0 |

T.C. & P STANDARD 701201

| LOCATION | UNIT | QUANTITY |
|----------------|------|----------|
| Project Limits | LSUM | 1.0 |

FURNISH & ERECT STRUCTURAL STEEL

| LOCATION | UNIT | QUANTITY |
|-------------------------------|-------|----------|
| Under Existing Superstructure | POUND | 5,800 |

EROSION CONTROL BLANKET

| LOCATION | UNIT | QUANTITY |
|-----------------------------|------|----------|
| Jobsite Embankment & R.O.W. | SQYD | 355 |

PLOT DATE: 06-14-2007
 FILE NAME: I:\GEN\GEN\DRAWING\STANDARD\MS\SQ\MS\BRIDGE\CONTRACTS\EMERGENCY\PC\Beneft\pc\6B761\6B761-SQ-01-B-001-I-57-overhaul.dwg
 PLOT SCALE: 1"=100'
 REFERENCE: 0

| REVISIONS | |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

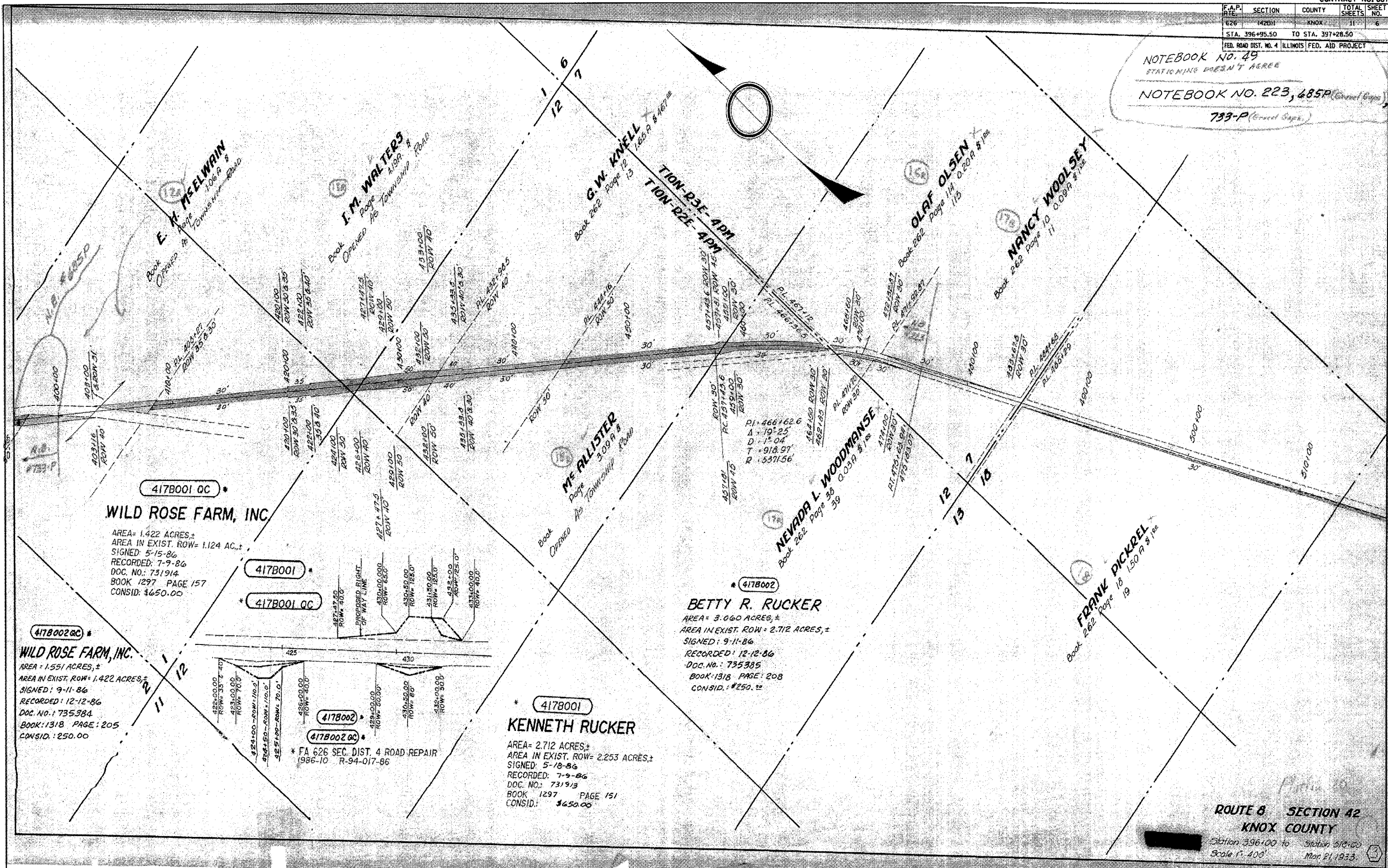
SCALE: VERT.
 HORIZ.
 DATE 06-14-2007

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| F.A.P. RATE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|-------------------|--------------|-----------|
| 626 | 142B11 | KNOX | 11 | 6 |
| STA. 396+95.50 | | TO STA. 397+28.50 | | |
| FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT | | | | |

NOTEBOOK NO. 49
STATIONING DOESN'T AGREE

NOTEBOOK NO. 223, 485P (Correct Copy)
733-P (Correct Copy)



417B001 QC

WILD ROSE FARM, INC.

AREA = 1.422 ACRES, ±
 AREA IN EXIST. ROW = 1.124 AC, ±
 SIGNED: 5-15-86
 RECORDED: 7-9-86
 DOC. NO.: 731914
 BOOK 1297 PAGE 157
 CONSID.: \$650.00

417B002 GC

WILD ROSE FARM, INC.

AREA = 1.551 ACRES, ±
 AREA IN EXIST. ROW = 1.422 ACRES, ±
 SIGNED: 9-11-86
 RECORDED: 12-12-86
 DOC. NO.: 735384
 BOOK: 1318 PAGE: 205
 CONSID.: 250.00

417B002

BETTY R. RUCKER

AREA = 3.060 ACRES, ±
 AREA IN EXIST. ROW = 2.712 ACRES, ±
 SIGNED: 9-11-86
 RECORDED: 12-12-86
 DOC. NO.: 735385
 BOOK: 1318 PAGE: 208
 CONSID.: \$250.00

417B001

KENNETH RUCKER

AREA = 2.712 ACRES, ±
 AREA IN EXIST. ROW = 2.253 ACRES, ±
 SIGNED: 5-18-86
 RECORDED: 7-9-86
 DOC. NO.: 731913
 BOOK 1297 PAGE 151
 CONSID.: \$650.00

417B002

417B002 GC

* FA 626 SEC. DIST. 4 ROAD REPAIR
1986-10 R-94-017-86

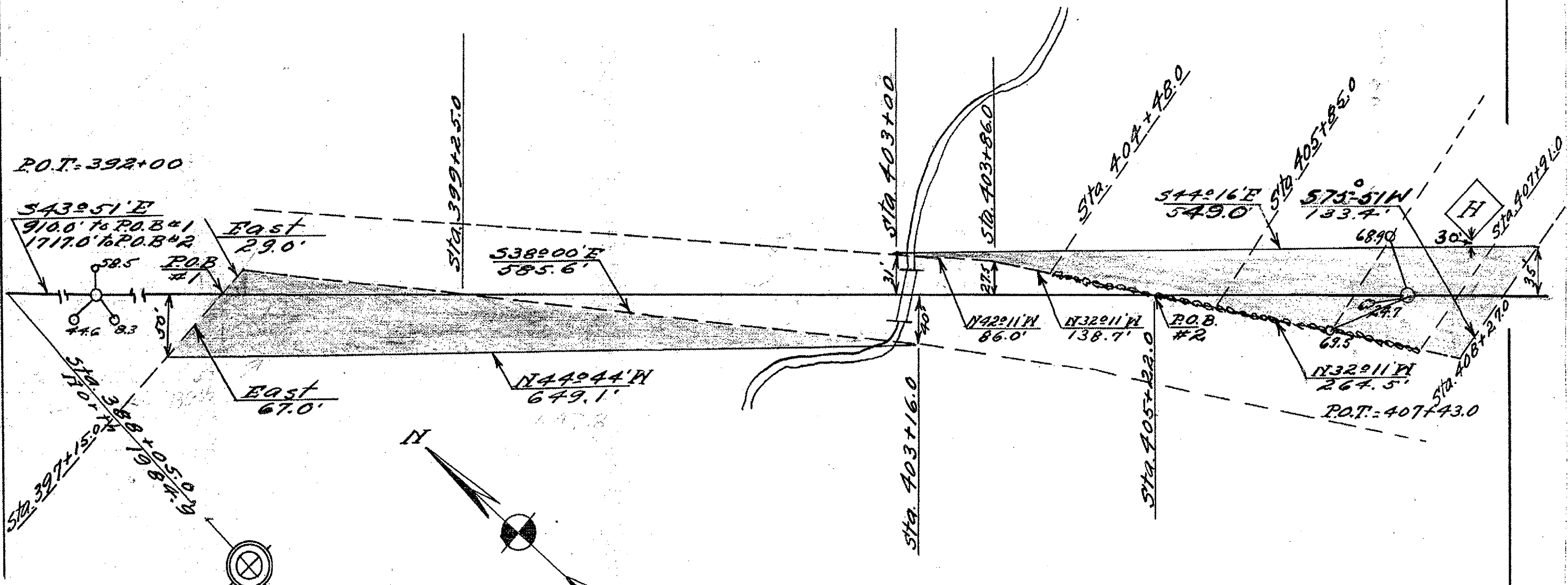
ROUTE 8 SECTION 42
KNOX COUNTY

Station 396+00 to Station 310+00
 Scale 1" = 400' Mar. 21, 1933.

PLOT DATE: 8-13-87
 FILE NAME: 871155-GEN-DRAW-PLAT-MS-SOUND-A-BRIDGE-CONTRACTS-EMERGENCY-PI-CORRECTORS-1987-87-88-0814 IL-STATE-HAW-CRK
 PLOT SCALE: 1" = 400'
 REFERENCE: 1" = 400'

| F.A.P. RTE. | SECTION. | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------|-------------------|------------------|-----------|
| 626 | (42B) | KNOX | 11 | 7 |
| STA. 396+95.50 | | TO STA. 397+28.50 | | |
| FED. ROAD DIST. NO. 4 | | ILLINOIS | FED. AID PROJECT | |

E. H. McElwain
 Pt. S N 1/4 Sec 1
 Area = 1.06± Acres



Note: Stone at
 N N Cor Sec 12

RIGHT OF WAY PROJECT
 Illinois State Bond Issue Route 8
 Pt. S N 1/4 Sec 1 TION R 2 E 4 PM
 Knox County
 scale 1" = 100' Dec. 19th 1924

Route 8 section 42

12R

PLOT DATE: 12/15/24
 FILE NAME: 12R.dwg
 PLOT SCALE: 1" = 100'
 REFERENCE: 12R

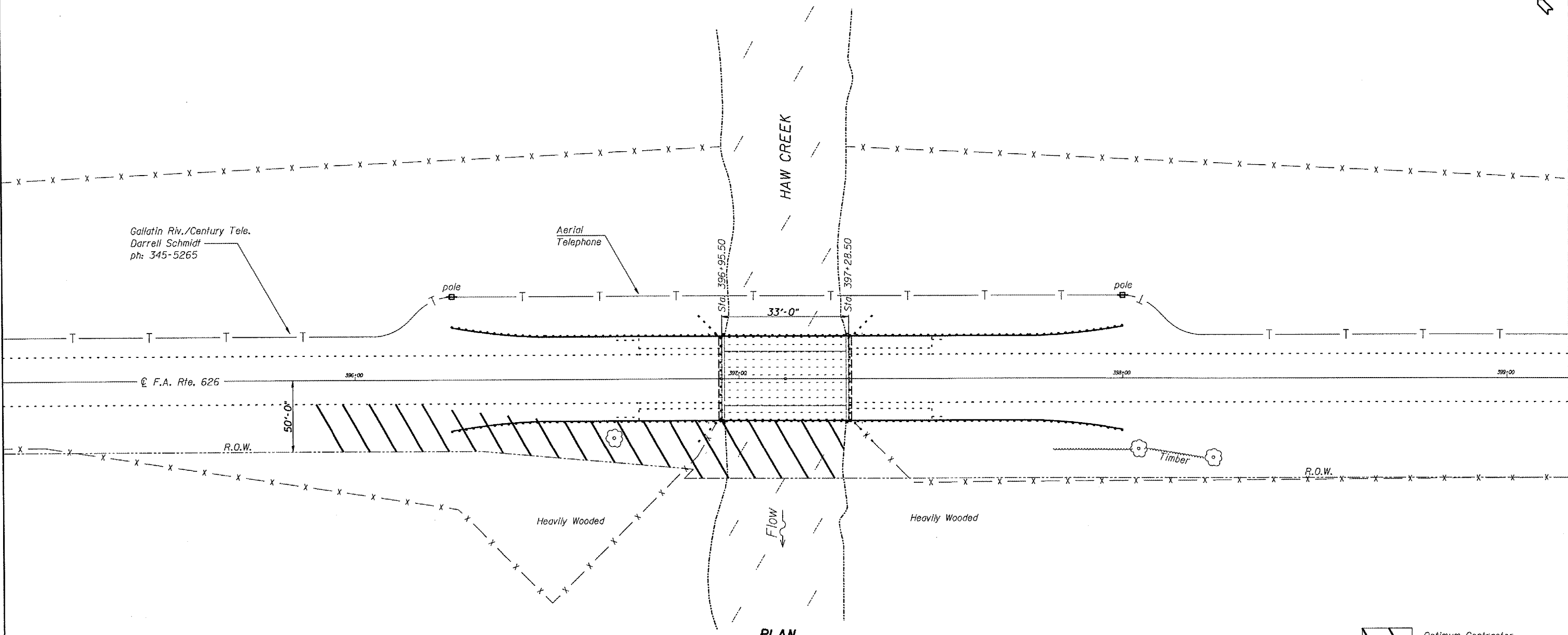
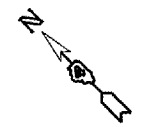
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| 626 | (42B)1 | KNOX | 11 | 8 |
| STA. 396+95.50 TO STA. 397+28.50 | | | ILLINOIS FED. AID PROJECT | |

B.M.- Chisled square on NW abutment of bridge, Sta. 396+95, Elev. 667.15

T10N- R2E- 4th P.M.
SECTION 1

JOHN W. McCLAY

LILLIE McELWAIN



PLAN

Optimum Contractor Access/Work Area

Hilltop Barnyard/Farm-House

NICHOLAS SIEBERT

SN.048-0014 IL.97
over HAW CRK.
Sta. 397+12.00

NOTES

When it is necessary for the Contractor to place and store materials and equipment on State owned R.O.W. the appearance and condition of the affected sod area shall be left as it was found and according to the discretion of the Engineer. All necessary work and Seeding Minor Areas shall be included in cost of Erosion Control Blanket. See section 107 of the Standard Specifications for requirements concerning Contractor access and protection & preservation of the natural area and waterway at and around the project.

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ILLINOIS DEPARTMENT OF TRANSPORTATION

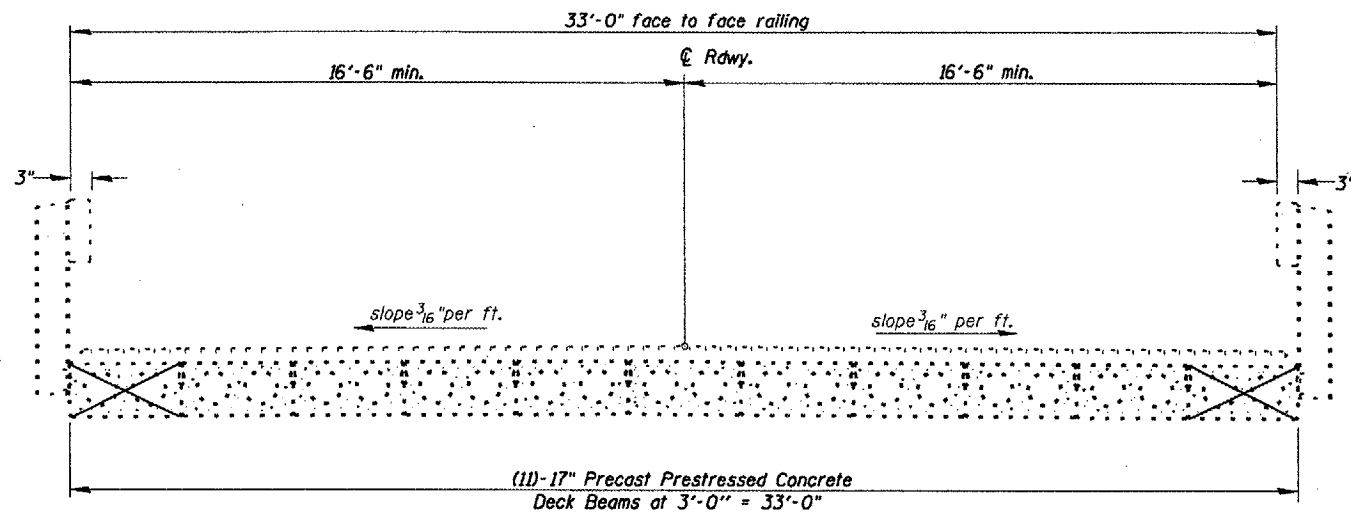
GENERAL LAYOUT

VERT. SCALE: 1"=10'
HORIZ. SCALE: 1"=40'
DATE: 08-15-2007

DRAWN BY: CEJ
CHECKED BY:

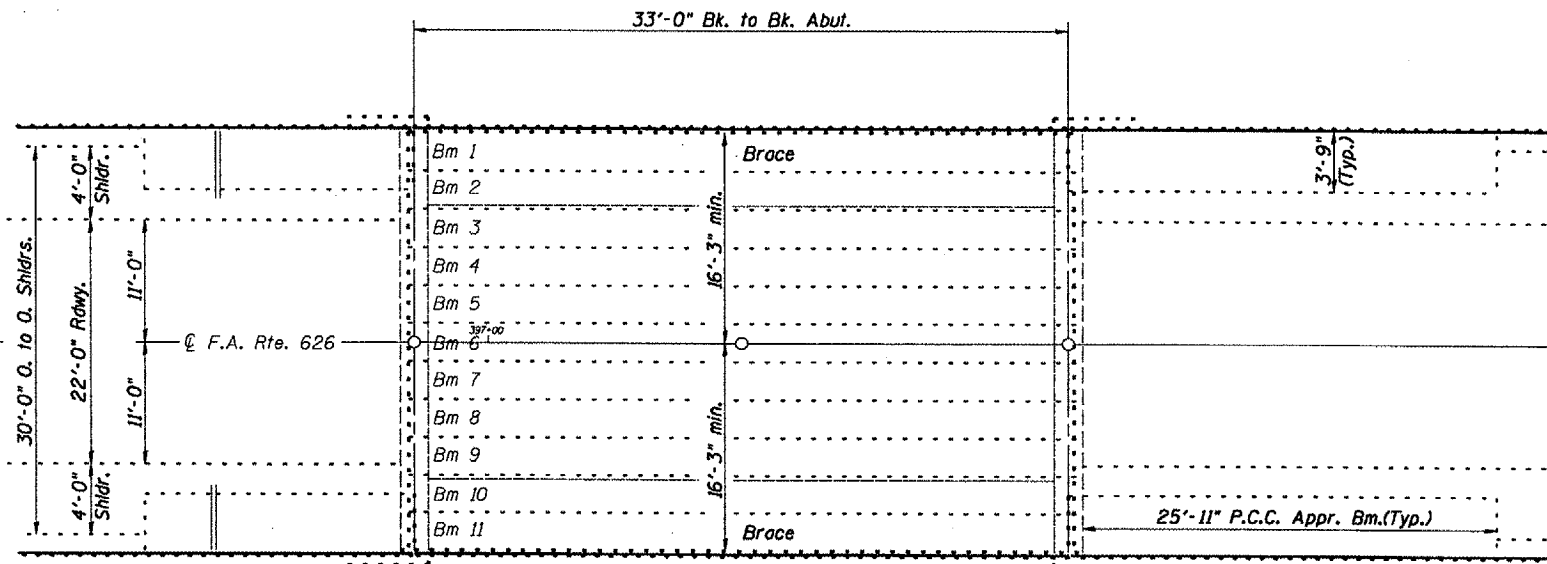
PLOT DATE = 08/15/07
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 REFERENCE = REF1

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|-------------------|--------------|-----------|
| 626 | (42B)I | KNOX | 11 | 9 |
| STA. 396+95.50 | | TO STA. 397+28.50 | | |
| FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT | | | | |



Beams to be Braced

ELEVATION



PLAN

PLOT DATE: 08-15-2007
 FILE NAME: #FILEL\SA\VE\00000001\ST03\PLNS\SD04014\BRIDGE\CONTR\STA\Emergency\PC\Draw\Repair\68767_S04014_IL.97\overhaul.dgn
 PLOT SCALE: 1/8"=1'-0"
 REFERENCE: SHEET 9

NOTES
 Refer to Highway Standard 701201 in conjunction with this sheet for exact placement of traffic management devices and other clarifications as construction is proposed with the temporary use of this standard for materials delivery and unloading.

SN.048-0014 IL.97
 over HAW CRK.
 Sta. 397+12.00

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ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION

SCALE: VERT. 1/8"=1'-0"
 HORIZ. 1"=10'-0"
 DATE: 08-15-2007

DRAWN BY: CEJ
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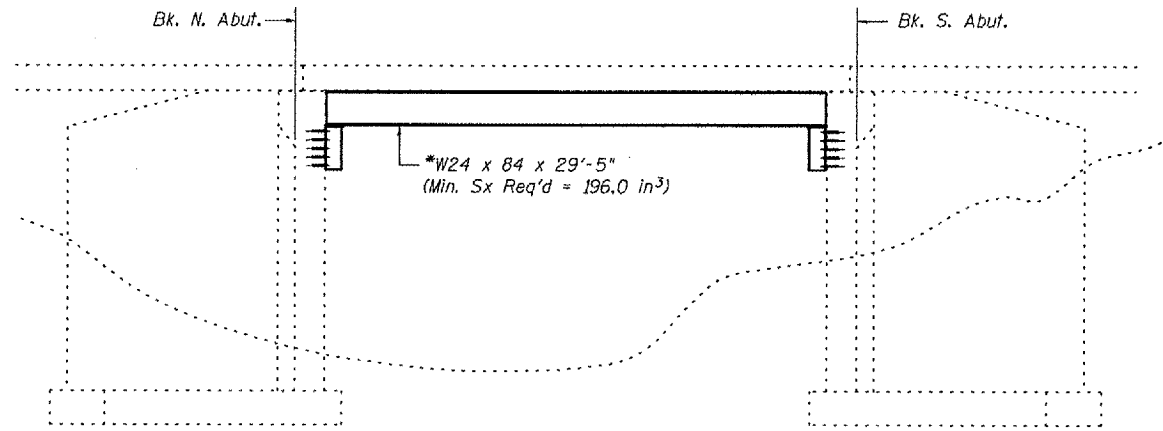
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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| ROUTE NO. | SECTION | COUNTY | SHEET | SHEET NO. |
| FAP 626 | - | KNOX | 11 | 10 |
| FED. ROAD DIST. NO. 4 | ILLINOIS | FED. AID PROJECT | | |

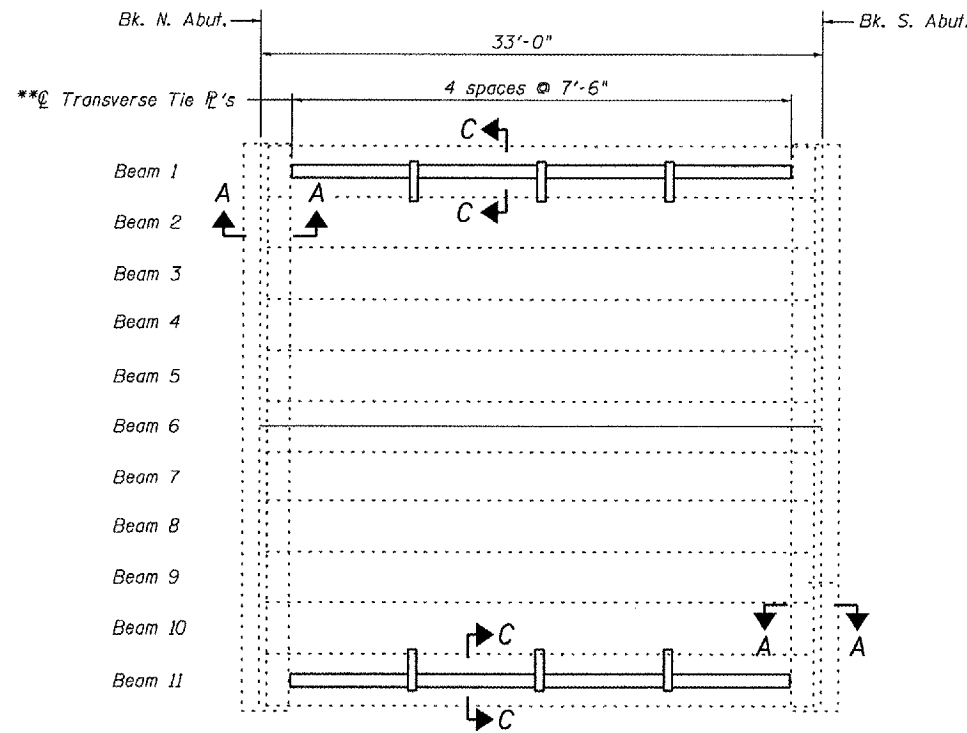
Contract # 68767

*Contractor is to verify beam length prior to ordering material. Other sections meeting the section modulus requirements shown may be allowed subject to approval by the Bureau of Bridges and Structures.

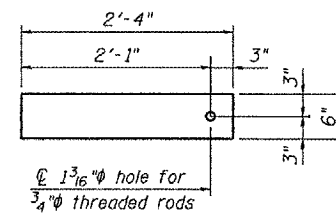
** \odot Transverse tie \bar{r} 's (3 per span). Place additional shims at midpoints between tie \bar{r} 's. Securely weld shims to top flange of support beam. Minimum shim size is 6" x flange width. Spacing may be adjusted to miss adjacent transverse tie \bar{r} 's.



ELEVATION



PLAN



TRANSVERSE TIE \bar{r} 's
 \bar{r} $\frac{1}{2}$ " x 2'-4" x 6" (6 Req'd.)

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

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 scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.

See Section 584 of the Standard Specifications for Epoxy Grouting of Threaded Rods: Min. embedment 9".

The cost of epoxy grouting threaded rods shall be included with Furnishing and Erecting Structural Steel.

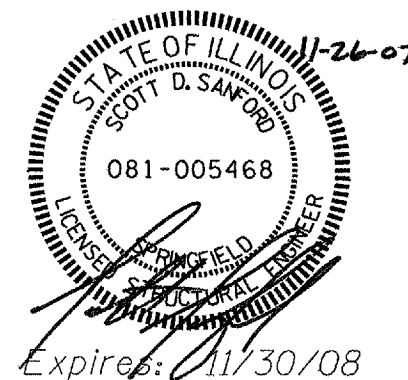
The contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the contractors responsibility to account for the condition of the beams when developing construction procedures.

If the contractor's procedure for placement of beams involves placement of cranes or other heavy equipment on the bridge, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying that the equipment and procedure used will not overstress the existing beams. To distribute load to multiple beams and protect the existing surface, in all cases a double layer mat of heavy timbers shall be used at all times under crane tracks or wheels and any outriggers in the down position. If necessary, shims shall be used under the crane mat to ensure uniform contact with the underlying beams.

Contractor has the option of using used steel. See Special Provision.

TOTAL BILL OF MATERIAL

| ITEM | UNIT | QUANTITY |
|--|-------|----------|
| Furnishing and Erecting Structural Steel | Pound | 5,800 |



GENERAL PLAN AND ELEVATION
REPAIR DETAILS
IL RTE 97
OVER HAW CREEK TRIBUTARY
KNOX COUNTY
S.N. 048-0014

| | |
|----------|-----|
| DESIGNED | CMV |
| CHECKED | SDS |
| DRAWN | DLH |
| CHECKED | CMV |



Operator: dhsberling

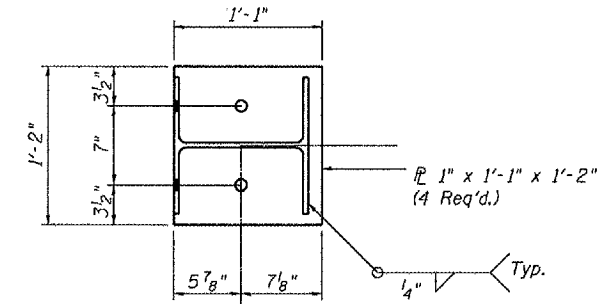
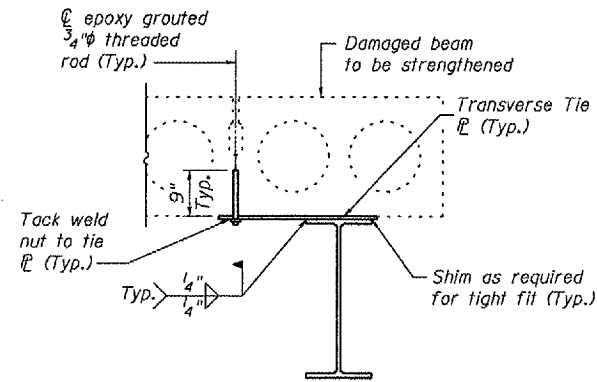
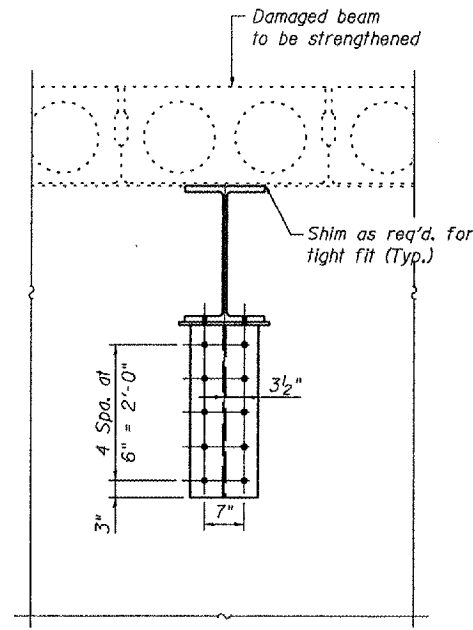
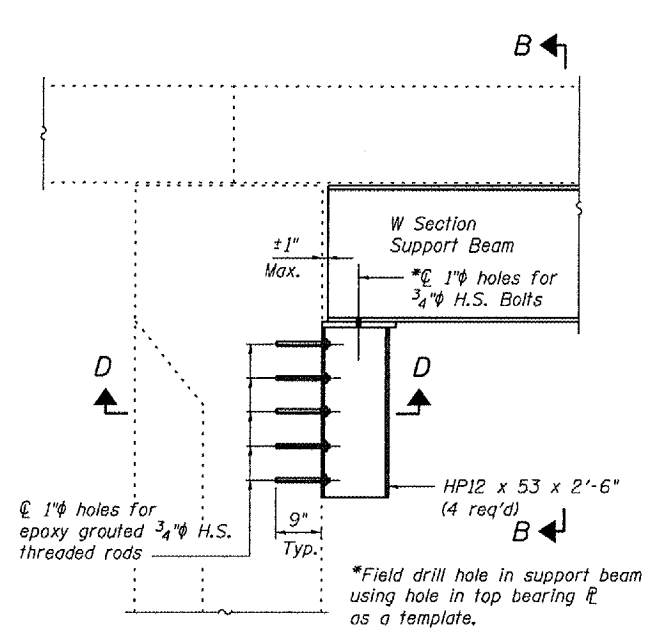
Date: 11/26/2007

Filename: L:\Jobs\DOT BBS\6727 BBS Various Various\6727 09\CADD_Struct\N. 048-0014\N. 048-0014_rev.1.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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|-----------------------|---------|----------|------------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| FAP 626 | | KNOX | 11 | 2 |
| FED. ROAD DIST. NO. 4 | | ILLINOIS | FED. AID PROJECT | |

Contract # 68767



Operator: dheberling
Date: 11/26/2007
Filename: L:\Jobs\DOT_BBS\6727_BBS_Various_Various\6727.09\CADD_Struct\S.N. 048-0014\S.N. 048-0014_rev 1.dgn

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| DESIGNED | CMV |
| CHECKED | SDS |
| DRAWN | DLH |
| CHECKED | CMV |

WHKS & CO.
ENGINEERS PLANNERS LAND SURVEYORS
MASON CITY, IOWA DUBUQUE, IOWA JAMES, IOWA
E. DUBUQUE, ILLINOIS SPRINGFIELD, ILLINOIS ROCHESTER, MINNESOTA

REPAIR DETAILS
IL RTE 97
OVER HAW CREEK TRIBUTARY
KNOX COUNTY
S.N. 048-0014