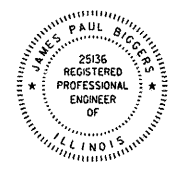


| F.A.I. RTE.                                     | SECTION | COUNTY             | TOTAL SHEETS | SHEET NO. |
|---|---------|--------------------|--------------|-----------|
| 72  |         | ILLINOIS           | 48           | 1         |
|   |         | CONTRACT NO. 72A16 |              |           |
| *86-10RS-3, 69-6RS-2, 69-1RS<br>** SCOTT/MORGAN |         |                    |              |           |

FOR INDEX OF SHEETS, SEE SHEET NO. 2



*James Paul Biggers*  
 JAMES PAUL BIGGERS, P.E.  
 DATE 4/2/10  
 LICENSE EXPIRES 11/30/11

PLANS PREPARED BY:



**JOHNSON, DEPP & QUISENBERRY**  
 CONSULTING ENGINEERS  
 6450 South Sixth Street Road, Suite B Springfield, Illinois 62712  
 Phone: (217) 529-4534 Fax: (217) 529-8278

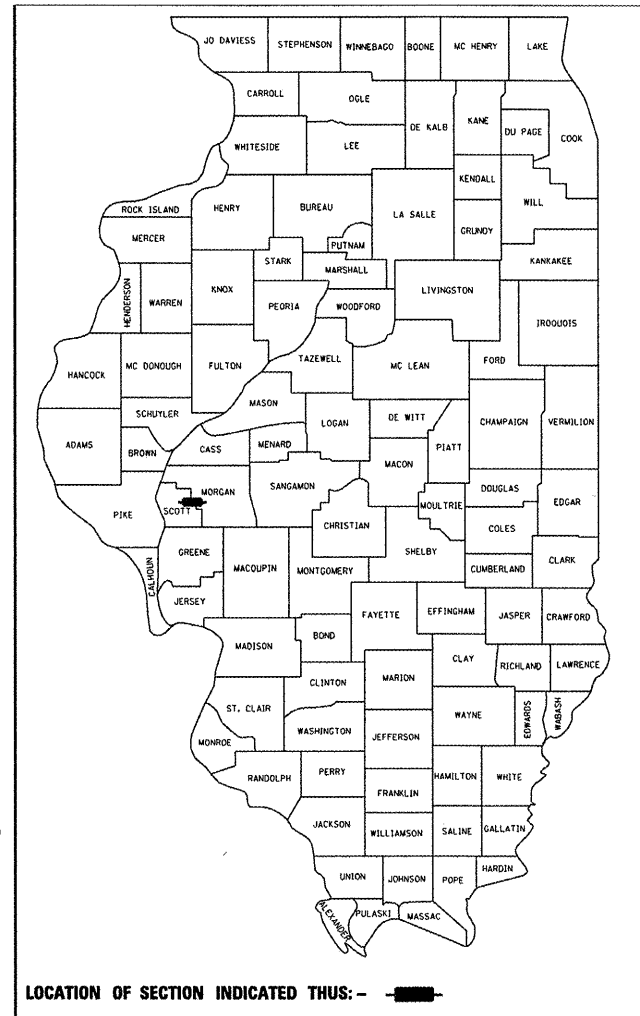
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
**PROPOSED  
 HIGHWAY PLANS**

**FAI ROUTE 72 (I-72) & FAP ROUTE 310 (BL-72/US 67)  
 SECTION 86-10RS-3, 69-6RS-2, 69-1RS**

**SCOTT & MORGAN COUNTY**

**RESURFACING, BRIDGE REHABILITATION**

D-96-504-06



LOCATION OF SECTION INDICATED THUS: -

BRIDGE RESURFACING OMISSION  
 WBL STA. 199+17.81 TO STA. 210+33.78  
 EBL STA. 198+64.60 TO STA. 200+82.53  
 S.N. 086-0023/24 - STA. 200+00.00

S.N. 086-0028  
 STA. 143+90.97  
 (NO WORK)

S.N. 086-7004  
 STA. 125+50.00  
 (NO WORK)

CO. LINE  
 STA. 262+29.22

END SECTION 86-10(RS-3)  
 BEGIN SECTION 69-6(RS-2)

END CONSTRUCTION  
 SECTION 69-1(RS)  
 NBL STA. 453+98.00  
 SBL STA. 449+60.00

S.N. 069-7011  
 STA. 444+00.00  
 (NO WORK)

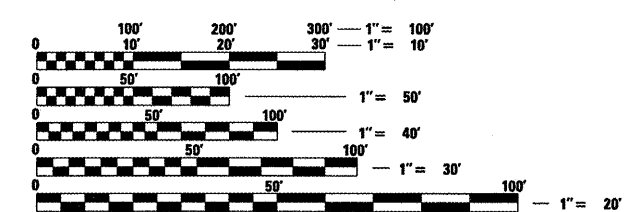
S.N. 069-0079  
 STA. 403+59.53  
 (NO WORK)

BEGIN PROJECT  
 SECTION 86-10(RS-3)  
 WBL STA. 107+16.06  
 EBL STA. 106+86.47

PRINCIPAL ARTERIAL (INTERSTATE)  
 F.A.I. 72  
 ADT (2009) = 6,200  
 PV = 67.1% SU = 19.7% MU = 13.2%  
 DESIGN SPEED = 70 MPH

OTHER PRINCIPAL ARTERIAL  
 BL-72/US 67  
 ADT (2009) = 5,000  
 PV = 76.9% SU = 15.9% MU = 7.2%  
 DESIGN SPEED = 70 MPH

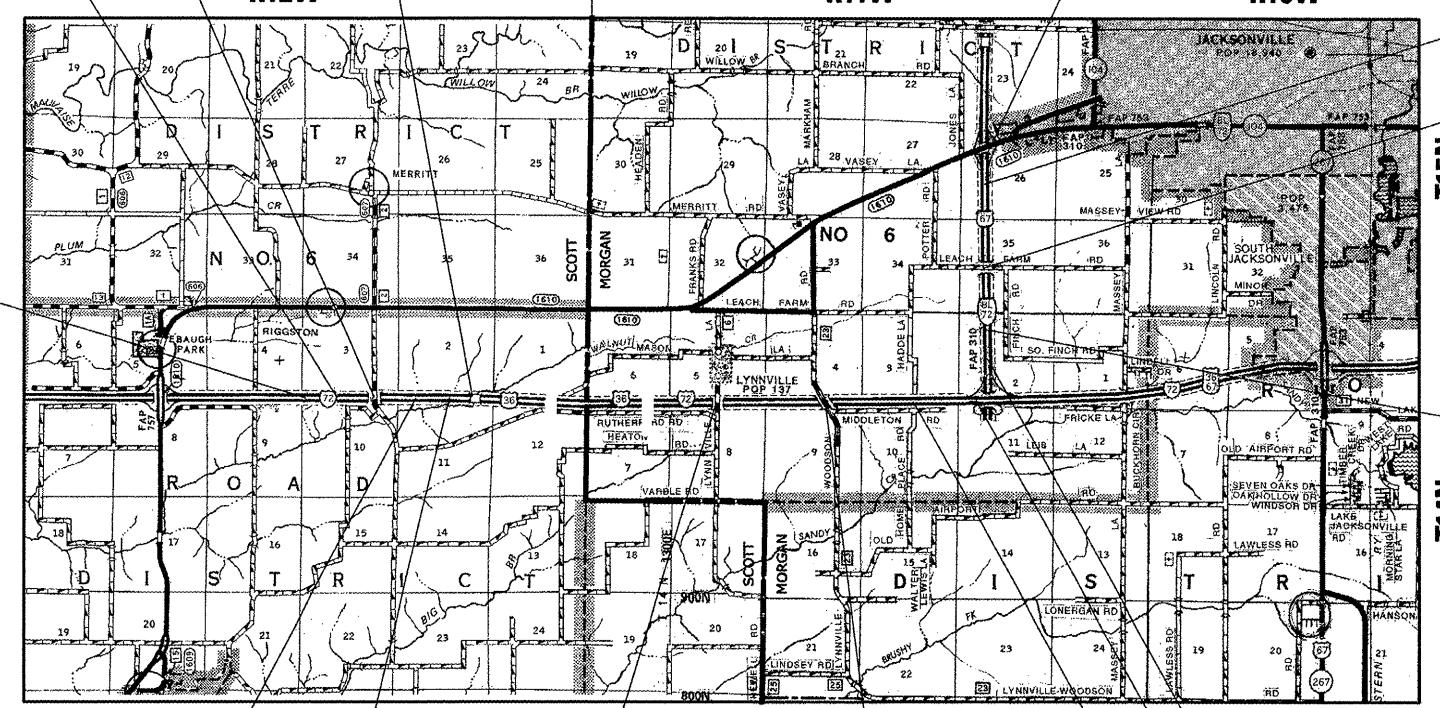
BEGIN CONSTRUCTION  
 SECTION 69-1(RS)  
 SBL STA. 372+50.00



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

PROJECT ENGINEER: JOHN NEGANGARD (217) 782-4760  
 PROJECT MANAGER: VICTOR YOUNG (217) 557-7897  
 CONTRACT NO. 72A16



S.N. 086-7005  
 STA. 165+60.00

S.N. 086-7006  
 STA. 186+80.00

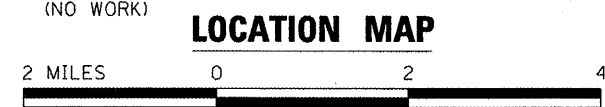
S.N. 069-0053  
 STA. 334+91.02  
 (NO WORK)

S.N. 069-0054  
 STA. 394+00.00

BEGIN CONSTRUCTION  
 SECTION 69-1(RS)  
 NBL STA. 356+25.00

END PROJECT  
 SECTION 69-6(RS-2)  
 WBL STA. 22+74.37  
 EBL STA. 26+47.25

STATION EQUATION  
 PI STA. 443+19.48 BK=  
 PI STA. 10+03.94 AH



(BL-72/US67) - NB= 9,773' (1.851mi), SB= 7,710' (1.460mi)  
 (FAI 72)  
 NET LENGTH OF PROJECT - WB= 34,657.88' (6.564mi)  
 - EB= 35,058.39' (6.640mi)  
 TOTAL OVERALL LENGTH OF PROJECT - 35,276.32 (6.681mi)

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED April 6 2010  
Robert D. Dicks  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7 2010  
Scott E. Stitt, P.E.  
 ACTING ENGINEER OF DESIGN AND ENVIRONMENT

May 7 2010  
Christine M. Deedka  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

# INDEX OF SHEETS

|       |   |
|-------|---|
| 1     | COVER SHEET   |
| 2     | INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS |
| 3-5   | SUMMARY OF QUANTITIES   |
| 6-9   | SCHEDULES OF QUANTITIES   |
| 10-15 | TYPICAL SECTIONS  |
| 16-33 | PLAN SHEETS   |
| 34    | STAGING PLAN (SN 086-0023/24)                                     |
| 35-42 | STRUCTURAL DETAILS  |
| 43-48 | MISCELLANEOUS DETAILS   |

# GENERAL NOTES

- THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
- THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE MAINLINE CONSTRUCTION SECTIONS AND THE CROSSOVER SIDE ROAD CONSTRUCTION LIMITS, AS DIRECTED BY THE RESIDENT ENGINEER. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE 48". THIS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION.
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

| LOCATION                            | I-72 & US 67               | I-72 & US 67              | I-72                 | I-72 (2") & US 67 (1 1/2") | US 67 (2 1/4")             | I-72 & US 67         |
|-------------------------------------|----------------------------|---------------------------|----------------------|----------------------------|----------------------------|----------------------|
| MIXTURE USE                         | POLYMER HMA SURFACE COURSE | POLYMER HMA BINDER COURSE | HMA BASE COURSE      | HMA SHOULDER (TOP LIFT)    | HMA SHOULDER (BOTTOM LIFT) | INCIDENTAL SURFACE   |
| PG                                  | SBS PG 70-22               | SBS PG 70-22              | PG 64-22             | PG 64-22                   | PG 58-22                   | PG 64-22             |
| DESIGN AIR VOIDS                    | 4.0% @ N DESIGN = 90       | 4.0% @ N DESIGN = 90      | 4.0% @ N DESIGN = 90 | 4.0% @ N DESIGN = 50       | 2.0% @ N DESIGN = 30       | 4.0% @ N DESIGN = 50 |
| MIX COMPOSITION (GRADATION MIXTURE) | IL 9.5 OR 12.5             | IL 19.0                   | IL 19.0              | IL 9.5 OR 12.5             | BAM                        | IL 9.5 OR 12.5       |
| FRICTION AGGREGATE                  | MIX "D"                    | N/A                       | N/A                  | MIX "C"                    | N/A                        | MIX "C"              |

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SO M/25 mm THICKNESS).

- THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
- THIS PROJECT CONTAINS ONE STATION EQUATION: PI STA. 443+19.48 BK= PI STA. 10+03.94 AH (I-72)
- ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.
- THE NEW HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE SAME SUPERELEVATION RATES AS THE EXISTING PAVEMENT AS SHOWN IN THESE PLANS.
- ALL TEMPORARY PAVEMENT MARKING WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL BE AWARE THAT EXISTING CONCRETE PATCHES SHALL BE MILLED AS PART OF THE PROPOSED HMA SURFACE REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE MILLING OF THE CONCRETE.

11. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

|                             |          |                            |
|-----------------------------|----------|----------------------------|
| GRANULAR MATERIALS          | 2.05     | TONS / CU YD               |
| BITUMINOUS MAT PRIME COAT   | 0.00038  | TON / SQ YD (PAVEMENT) OR  |
|                             | 0.001425 | TON / SQ YD (AGG. SURFACE) |
| AGGREGATE PRIME COAT        | 0.002    | TONS / SQ YD               |
| HMA RESURFACING             | 112      | LBS / SQ YD / IN           |
| SHORT TERM PAVEMENT MARKING | 4        | FT / 40 FT OF APPLICATION  |

12. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

13. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONAL. BOTH SHOULD BE CONSIDERED APPROXIMATE.

14. THE QUANTITY FOR OUTLET MARKERS IS BASED ON THE TOTAL LENGTH OF THE PROJECT (TIMES 4 PAVEMENT EDGES) DIVIDED BY 500 FEET AS PER ARTICLE 601.04 OF THE STANDARD SPECIFICATIONS FOR PIPE UNDERDRAIN OUTLETS.

# HIGHWAY STANDARDS

|           |  |
|-----------|--|
| 000001-05 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS                                 |
| 001001-02 | AREAS OF REINFORCEMENT BARS  |
| 001006    | DECIMAL OF AN INCH AND OF A FOOT   |
| 280001-05 | TEMPORARY EROSION CONTROL SYSTEMS  |
| 442001-04 | CLASS A PATCHES  |
| 630001-08 | STEEL PLATE BEAM GUARDRAIL   |
| 630301-05 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS                   |
| 631011-06 | TRAFFIC BARRIER TERMINAL, TYPE 2   |
| 635006-03 | REFLECTOR AND TERMINAL MARKER PLACEMENT                                      |
| 635011-02 | REFLECTOR MARKER AND MOUNTING DETAILS  |
| 642001-01 | SHOULDER RUMBLE STRIPS   |
| 701101-02 | OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE |
| 701106-02 | OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY                     |
| 701201-03 | LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH                          |
| 701400-04 | APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY                                 |
| 701401-05 | LANE CLOSURE, FREEWAY/EXPRESSWAY   |
| 701402-07 | LANE CLOSURE, FREEWAY/EXPRESSWAY WITH BARRIER                                |
| 701406-05 | LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY                        |
| 701411-06 | LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH       |
| 701426-03 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH   |
| 701901-01 | TRAFFIC CONTROL DEVICES  |
| 704001-06 | TEMPORARY CONCRETE BARRIER   |
| 720011-01 | METAL POSTS FOR SIGNS, MARKERS & DELINEATORS                                 |
| 780001-02 | TYPICAL PAVEMENT MARKINGS  |
| 781001-03 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS                      |

# COMMITMENTS

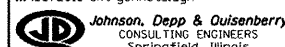
1. THE FIELD/RESIDENT ENGINEER SHALL CONTACT STUDIES & PLANS CONCERNING ANY MAJOR PLAN CHANGES TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN AND TO ALLOW IMPROVEMENT IN THE DESIGN FOR FUTURE PROJECTS.

2. INFORMATIONAL LETTER TO JACKSONVILLE.

|                                       |  |
|---------------------------------------|--|
| DISTRICT SIX                          |  |
| EXAMINED <u>APR 1</u> 20 <u>10</u>    |  |
| OPERATIONS ENGINEER                   |  |
| EXAMINED <u>MARCH 25</u> 20 <u>10</u> |  |
| PROGRAM IMPLEMENTATION ENGINEER       |  |
| EXAMINED <u>April 6</u> 20 <u>10</u>  |  |
| PROGRAM DEVELOPMENT ENGINEER          |  |

• 86-10RS-3, 69-6RS-2, 69-IRS  
•• SCOTT, MORGAN

|                             |                                 |            |           |
|-----------------------------|---------------------------------|------------|-----------|
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|                             | PLOT DATE = 04/02/2010 08:48:41 | DATE -     | REVISED - |



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS,  
GENERAL NOTES AND COMMITMENTS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

| F.A.I. RTE.         | SECTION | COUNTY | TOTAL SHEETS              | SHEET NO. |
|---------------------|---------|--------|---------------------------|-----------|
| 72                  |         | ••     | 48                        | 2         |
| FED. ROAD DIST. NO. |         |        | ILLINOIS FED. AID PROJECT |           |
|                     |         |        | CONTRACT NO. 72A16        |           |

# SUMMARY OF QUANTITIES

| CODE NO. | ITEM   | UNIT  | 100%   | I-72                                 |                                       | FAP310                              | SCOTT I-72                    |                               | MORGAN I-72                   |  |  |  |
|----------|--|-------|--------|--------------------------------------|---------------------------------------|-------------------------------------|-------------------------------|-------------------------------|-------------------------------|--|--|--|
|          |  |       | STATE  | SCOTT CO. FAI 72 (I-72) ROADWAY I000 | MORGAN CO. FAI 72 (I-72) ROADWAY I000 | MORGAN CO. BL-72/US 67 ROADWAY I000 | STRUCTURE SN 086-0023 SFTY-2A | STRUCTURE SN 086-0024 SFTY-2A | STRUCTURE SN 069-0054 SFTY-2A |  |  |  |
| 20100110 | TREE REMOVAL (6 TO 15 UNITS DIAMETER)                    | UNIT  | 264    | 264                                  |                                       |                                     |                               |                               |                               |  |  |  |
| 28100807 | STONE DUMPED RIPRAP, CLASS A4                            | TON   | 525    | 525                                  |                                       |                                     |                               |                               |                               |  |  |  |
| 28200200 | FILTER FABRIC  | SQ YD | 300    | 300                                  |                                       |                                     |                               |                               |                               |  |  |  |
| 35501332 | HOT-MIX ASPHALT BASE COURSE, 12"                         | SQ YD | 2127   | 2127                                 |                                       |                                     |                               |                               |                               |  |  |  |
| 40600200 | BITUMINOUS MATERIALS (PRIME COAT)                        | TON   | 148.2  | 51.7                                 | 66                                    | 30.5                                |                               |                               |                               |  |  |  |
| 40600300 | AGGREGATE (PRIME COAT)                                   | TON   | 782    | 273                                  | 348                                   | 161                                 |                               |                               |                               |  |  |  |
| 40600895 | CONSTRUCTING TEST STRIP                                  | EACH  | 2      | 1                                    |                                       | 1                                   |                               |                               |                               |  |  |  |
| 40600985 | PORTLAND CEMENT CONCRETE SURFACE REMOVAL-BUTT JOINT      | SQ YD | 280    |                                      |                                       | 280                                 |                               |                               |                               |  |  |  |
| 40600990 | TEMPORARY RAMP   | SQ YD | 240    | 120                                  | 40                                    | 80                                  |                               |                               |                               |  |  |  |
| 40603240 | POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90  | TON   | 29678  | 10423                                | 13305                                 | 5950                                |                               |                               |                               |  |  |  |
| 40603545 | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 | TON   | 19634  | 6895                                 | 8802                                  | 3937                                |                               |                               |                               |  |  |  |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING                     | TON   | 370    | 46                                   | 46                                    | 278                                 |                               |                               |                               |  |  |  |
| 44000155 | HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"                  | SQ YD | 87230  | 47810                                | 39420                                 |                                     |                               |                               |                               |  |  |  |
| 44000158 | HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"                  | SQ YD | 37517  | 7033                                 | 30484                                 |                                     |                               |                               |                               |  |  |  |
| 44000162 | HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"                  | SQ YD | 129634 | 71109                                | 58525                                 |                                     |                               |                               |                               |  |  |  |
| 44000165 | HOT-MIX ASPHALT SURFACE REMOVAL, 4"                      | SQ YD | 56276  | 10549                                | 45727                                 |                                     |                               |                               |                               |  |  |  |
| 44000198 | HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH          | SQ YD | 15596  |                                      |                                       | 15596                               |                               |                               |                               |  |  |  |
| 44004250 | PAVED SHOULDER REMOVAL                                   | SQ YD | 2127   | 2127                                 |                                       |                                     |                               |                               |                               |  |  |  |
| 44200529 | CLASS A PATCHES, TYPE II, 8 INCH                         | SQ YD | 38.7   |                                      |                                       | 38.7                                |                               |                               |                               |  |  |  |
| 44200533 | CLASS A PATCHES, TYPE III, 8 INCH                        | SQ YD | 16     |                                      |                                       | 16                                  |                               |                               |                               |  |  |  |
| 44200535 | CLASS A PATCHES, TYPE IV, 8 INCH                         | SQ YD | 53.3   |                                      |                                       | 53.3                                |                               |                               |                               |  |  |  |
| 44200577 | CLASS A PATCHES, TYPE II, 12 INCH                        | SQ YD | 370.2  | 266.8                                | 103.4                                 |                                     |                               |                               |                               |  |  |  |
| 44200581 | CLASS A PATCHES, TYPE III, 12 INCH                       | SQ YD | 137.4  | 62.7                                 | 74.7                                  |                                     |                               |                               |                               |  |  |  |
| 44200583 | CLASS A PATCHES, TYPE IV, 12 INCH                        | SQ YD | 320    | 97.3                                 | 222.7                                 |                                     |                               |                               |                               |  |  |  |
| 44212899 | PAVEMENT PATCHING (FULL DEPTH)                           | SQ YD | 150    |                                      |                                       | 150                                 |                               |                               |                               |  |  |  |
| 44212900 | PAVEMENT PATCHING (PARTIAL DEPTH)                        | SQ YD | 800    |                                      |                                       | 800                                 |                               |                               |                               |  |  |  |
| 44213000 | PATCHING REINFORCEMENT                                   | SQ YD | 861.5  | 373.4                                | 380.1                                 | 108                                 |                               |                               |                               |  |  |  |
| 44213200 | SAW CUTS   | FOOT  | 3836   | 2048                                 | 1386                                  | 402                                 |                               |                               |                               |  |  |  |
| 48101200 | AGGREGATE SHOULDERS, TYPE B                              | TON   | 1677   | 372                                  | 475                                   | 830                                 |                               |                               |                               |  |  |  |
| 48203100 | HOT-MIX ASPHALT SHOULDERS                                | TON   | 20970  | 6109                                 | 7799                                  | 7062                                |                               |                               |                               |  |  |  |

|  |                                    |            |           |
|--|------------------------------------|------------|-----------|
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| Johnson, Depp & Oulsenberry<br>CONSULTING ENGINEERS<br>Springfield, Illinois | PLOT SCALE = 28.0000' / IN.        | CHECKED -  | REVISED - |
|  | PLOT DATE = Apr-06-2010 09:56:16AM | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| SUMMARY OF QUANTITIES |              |        |      |         |
|-----------------------|--------------|--------|------|---------|
| SCALE:                | SHEET NO. OF | SHEETS | STA. | TO STA. |

|   |         |        |              |           |
|---|---------|--------|--------------|-----------|
| * 86-10RS-3, 69-6RS-2, 69-1RS<br>** SCOTT, MORGAN |         |        |              |           |
| F.A.I. RTE.                                       | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 72  | .       | **     | 48           | 3         |
| CONTRACT NO. 72A16                                |         |        |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT     |         |        |              |           |

# SUMMARY OF QUANTITIES

| CODE NO.   | ITEM  | UNIT   | TOTAL QUANTITY | I-72       |                                      |                                       | SCOTT I-72                          |                               | MORGAN I-72                   |  |  |  |  |
|------------|---|--------|----------------|------------|--------------------------------------|---------------------------------------|-------------------------------------|-------------------------------|-------------------------------|--|--|--|--|
|            |   |        |                | 100% STATE | SCOTT CO. FAI 72 (I-72) ROADWAY 1000 | MORGAN CO. FAI 72 (I-72) ROADWAY 1000 | MORGAN CO. BL-72/US 67 ROADWAY 1000 | STRUCTURE SN 086-0023 SFTY-2A | STRUCTURE SN 086-0024 SFTY-2A |  |  |  |  |
| 50102400   | CONCRETE REMOVAL  | CU YD  | 25.2           |            |                                      |                                       | 12.6                                | 12.6                          |                               |  |  |  |  |
| 50300255   | CONCRETE SUPERSTRUCTURE                                       | CU YD  | 25.2           |            |                                      |                                       | 12.6                                | 12.6                          |                               |  |  |  |  |
| 50300300   | PROTECTIVE COAT   | SQ YD  | 66             |            |                                      |                                       | 33                                  | 33                            |                               |  |  |  |  |
| 50800205   | REINFORCEMENT BARS, EPOXY COATED                              | POUND  | 4100           |            |                                      |                                       | 2050                                | 2050                          |                               |  |  |  |  |
| 50800515   | BAR SPLICERS  | EACH   | 56             |            |                                      |                                       | 28                                  | 28                            |                               |  |  |  |  |
| 52000110   | PREFORMED JOINT STRIP SEAL                                    | FOOT   | 180            |            |                                      |                                       | 90                                  | 90                            |                               |  |  |  |  |
| * 63000001 | STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS             | FOOT   | 1200           |            |                                      | 1200                                  |                                     |                               |                               |  |  |  |  |
| * 63100045 | TRAFFIC BARRIER TERMINAL, TYPE 2                              | EACH   | 4              |            |                                      | 4                                     |                                     |                               |                               |  |  |  |  |
| * 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT            | EACH   | 4              |            |                                      | 4                                     |                                     |                               |                               |  |  |  |  |
| 64200105   | SHOULDER RUMBLE STRIP   | FOOT   | 174306         | 61244      | 78186                                | 34876                                 |                                     |                               |                               |  |  |  |  |
| 67000400   | ENGINEER'S FIELD OFFICE, TYPE A                               | CAL MO | 16             | 16         |                                      |                                       |                                     |                               |                               |  |  |  |  |
| 67100100   | MOBILIZATION  | L SUM  | 1              | 0.34       | 0.33                                 | 0.33                                  |                                     |                               |                               |  |  |  |  |
| 70100207   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701402               | EACH   | 2              | 2          |                                      |                                       |                                     |                               |                               |  |  |  |  |
| 70100420   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701411               | EACH   | 3              |            | 2                                    | 1                                     |                                     |                               |                               |  |  |  |  |
| 70100450   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201               | L SUM  | 1              | 0.34       | 0.33                                 | 0.33                                  |                                     |                               |                               |  |  |  |  |
| 70100700   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701406               | L SUM  | 1              | 0.34       | 0.33                                 | 0.33                                  |                                     |                               |                               |  |  |  |  |
| 70100800   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701401               | L SUM  | 1              | 0.34       | 0.33                                 | 0.33                                  |                                     |                               |                               |  |  |  |  |
| 70103815   | TRAFFIC CONTROL SURVEILLANCE                                  | CAL DA | 39             | 17         | 19                                   | 3                                     |                                     |                               |                               |  |  |  |  |
| 70106800   | CHANGEABLE MESSAGE SIGN                                       | CAL MO | 6              | 2          | 2                                    | 2                                     |                                     |                               |                               |  |  |  |  |
| 70300100   | SHORT-TERM PAVEMENT MARKING                                   | FOOT   | 27684          | 10450      | 13362                                | 3872                                  |                                     |                               |                               |  |  |  |  |
| 70300230   | TEMPORARY PAVEMENT MARKING - LINE 5"                          | FOOT   | 197162         | 69867      | 87959                                | 39336                                 |                                     |                               |                               |  |  |  |  |
| 70301000   | WORK ZONE PAVEMENT MARKING REMOVAL                            | SQ FT  | 3508           | 1230       | 1573                                 | 705                                   |                                     |                               |                               |  |  |  |  |
| 70400100   | TEMPORARY CONCRETE BARRIER                                    | FOOT   | 650            | 650        |                                      |                                       |                                     |                               |                               |  |  |  |  |
| 70400200   | RELOCATE TEMPORARY CONCRETE BARRIER                           | FOOT   | 650            | 650        |                                      |                                       |                                     |                               |                               |  |  |  |  |
| * 78004220 | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5" | FOOT   | 21798          | 7655       | 9773                                 | 4370                                  |                                     |                               |                               |  |  |  |  |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER                             | EACH   | 1308           | 383        | 489                                  | 436                                   |                                     |                               |                               |  |  |  |  |
| * 78200410 | GUARDRAIL MARKERS, TYPE A                                     | EACH   | 18             |            |                                      | 18                                    |                                     |                               |                               |  |  |  |  |
| * 78200530 | BARRIER WALL MARKERS, TYPE C                                  | EACH   | 52             | 52         |                                      |                                       |                                     |                               |                               |  |  |  |  |
| * 78201000 | TERMINAL MARKER - DIRECT APPLIED                              | EACH   | 4              |            |                                      | 4                                     |                                     |                               |                               |  |  |  |  |
| 78300100   | PAVEMENT MARKING REMOVAL                                      | SQ FT  | 1435           | 1435       |                                      |                                       |                                     |                               |                               |  |  |  |  |
| 78300200   | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL                     | EACH   | 1308           | 383        | 489                                  | 436                                   |                                     |                               |                               |  |  |  |  |

\* SPECIALTY ITEM

|   |                                    |            |           |
|---|------------------------------------|------------|-----------|
| FILE NAME =   | USER NAME = laughlinr1             | DESIGNED - | REVISED - |
| si:\pwwork\PIWIDOT\LAUGHLINR1\dms24453\672A16-shr-500.DGN |                                    | DRAWN -    | REVISED - |
|   | PLOT SCALE = 20.0000' / IN.        | CHECKED -  | REVISED - |
|   | PLOT DATE = Apr-06-2010 09:56:31AM | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

|   |  |         |        |                    |           |
|---|--|---------|--------|--------------------|-----------|
| F.A.I. RTE.                                   |  | SECTION | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 72  |  | .       | **     | 48                 | 4         |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |  |         |        | CONTRACT NO. 72A16 |           |

• 86-10RS-3, 69-6RS-2, 69-1RS  
\*\* SCOTT, MORGAN

**SHEET NO. 2 OF 3**



# SUMMARY OF QUANTITIES

| CODE NO.   | ITEM  | UNIT  | TOTAL QUANTITY | I-72       |                                      |                                       | SCOTT I-72 |                                     | MORGAN I-72                   |  |  |  |  |
|------------|---|-------|----------------|------------|--------------------------------------|---------------------------------------|------------|-------------------------------------|-------------------------------|--|--|--|--|
|            |   |       |                | 100% STATE | SCOTT CO. FAI 72 (I-72) ROADWAY 1000 | MORGAN CO. FAI 72 (I-72) ROADWAY 1000 | FAP310     | MORGAN CO. BL-72/US 67 ROADWAY 1000 | STRUCTURE SN 086-0023 SFTY-2A |  |  |  |  |
| X0320157   | CLEANING UNDERDRAIN OUTLETS   | EACH  | 360            | 124        | 158                                  | 78                                    |            |                                     |                               |  |  |  |  |
| X0322279   | OUTLET MARKER   | EACH  | 360            | 124        | 158                                  | 78                                    |            |                                     |                               |  |  |  |  |
| X0322729   | MATERIAL TRANSFER DEVICE  | TON   | 49312          | 17318      | 22107                                | 9887                                  |            |                                     |                               |  |  |  |  |
| X0323077   | SILICONE JOINT SEALER, 2 3/4"   | FOOT  | 68             |            |                                      |                                       |            |                                     | 68                            |  |  |  |  |
| X0325305   | STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)    | SQ FT | 9              |            |                                      |                                       |            | 9                                   |                               |  |  |  |  |
| X0325739   | HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)              | SQ YD | 1000           |            |                                      | 1000                                  |            |                                     |                               |  |  |  |  |
| X0350800   | BOLLARDS  | EACH  | 126            | 50         | 46                                   | 30                                    |            |                                     |                               |  |  |  |  |
| X0350810   | BOLLARD REMOVAL   | EACH  | 59             | 26         | 33                                   |                                       |            |                                     |                               |  |  |  |  |
| X2503000   | MAINTENANCE MOWING  | ACRE  | 131            | 47         | 55                                   | 29                                    |            |                                     |                               |  |  |  |  |
| X7030072   | GROOVING FOR RECESSED PAVEMENT MARKING 6"                               | FOOT  | 174398         | 61246      | 78186                                | 34966                                 |            |                                     |                               |  |  |  |  |
| X7200201   | WIDTH RESTRICTION SIGNING   | L SUM | 1              | 0.5        | 0.5                                  |                                       |            |                                     |                               |  |  |  |  |
| * X7800620 | URETHANE PAVEMENT MARKING - LINE 5"                                     | FOOT  | 175364         | 62212      | 78186                                | 34966                                 |            |                                     |                               |  |  |  |  |
| Z0030260   | IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 | EACH  | 2              | 2          |                                      |                                       |            |                                     |                               |  |  |  |  |
| Z0030390   | IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3          | EACH  | 2              | 2          |                                      |                                       |            |                                     |                               |  |  |  |  |
| Z0075310   | TIE BARS 3/4"   | EACH  | 135            | 35         | 81                                   | 19                                    |            |                                     |                               |  |  |  |  |

\* SPECIALTY ITEM

**TREE REMOVAL (6 TO 15 UNITS DIAMETER)**

| LOCATION              | UNIT |
|-----------------------|------|
| FAI-72 (SCOTT COUNTY) |      |
| STA. 165+00 RT. 115'  | 10   |
| STA. 186+00 RT. 120'  | 6    |
| STA. 186+00 RT. 120'  | 6    |
| STA. 186+00 RT. 120'  | 6    |
| STA. 186+00 RT. 120'  | 8    |
| STA. 186+00 RT. 120'  | 8    |
| STA. 186+00 RT. 120'  | 8    |
| STA. 186+00 RT. 120'  | 10   |
| STA. 186+15 RT. 130'  | 15   |
| STA. 186+15 RT. 130'  | 15   |
| STA. 187+40 LT. 130'  | 6    |
| STA. 187+40 LT. 130'  | 6    |
| STA. 187+40 LT. 130'  | 6    |
| STA. 187+40 LT. 130'  | 6    |
| STA. 187+40 LT. 130'  | 6    |
| STA. 187+45 LT. 140'  | 6    |
| STA. 187+45 LT. 140'  | 6    |
| STA. 187+45 LT. 140'  | 6    |
| STA. 187+45 LT. 140'  | 6    |
| STA. 187+50 LT. 150'  | 6    |
| STA. 187+50 LT. 150'  | 6    |
| STA. 187+50 LT. 150'  | 6    |
| STA. 187+50 LT. 150'  | 6    |
| STA. 187+50 LT. 150'  | 6    |
| STA. 187+50 LT. 150'  | 6    |
| STA. 187+50 LT. 150'  | 6    |
| STA. 187+50 LT. 150'  | 6    |
| STA. 187+53 LT. 135'  | 6    |
| STA. 187+53 LT. 135'  | 6    |
| STA. 187+55 LT. 130'  | 8    |
| STA. 187+55 LT. 130'  | 8    |
| STA. 187+55 LT. 130'  | 8    |
| STA. 187+65 LT. 130'  | 12   |
| STA. 187+65 LT. 130'  | 12   |
| STA. 187+65 LT. 135'  | 8    |
| STA. 187+65 LT. 140'  | 6    |

TOTAL = 264

**STONE DUMPED RIPRAP, CLASS A4**

**FILTER FABRIC**

| LOCATION                     | RIPRAP TON | RECOMMENDED DEPTH | FABRIC SQ YD |
|------------------------------|------------|-------------------|--------------|
| FAI-72 (SCOTT COUNTY)        |            |                   |              |
| RT. STA. 65+60 (SN 086-7005) | 233        | 4'                | 100          |
| RT. STA. 86+00 (SN 086-7006) | 175        | 3'                | 100          |
| LT. STA. 87+50 (SN 086-7006) | 117        | 2'                | 100          |
| TOTAL                        | 525        |                   | 300          |

**HOT-MIX ASPHALT BASE COURSE, 12"**

| LOCATION                           | SIDE    | SQ YD |
|------------------------------------|---------|-------|
| FAI-72 (SCOTT COUNTY)              |         |       |
| RT. STA. 195+82 TO RT. STA. 199+10 | OUTSIDE | 364   |
| RT. STA. 195+84 TO RT. STA. 199+25 | INSIDE  | 227   |
| LT. STA. 197+07 TO LT. STA. 199+64 | INSIDE  | 171   |
| LT. STA. 197+10 TO LT. STA. 199+79 | OUTSIDE | 299   |
| RT. STA. 200+21 TO RT. STA. 202+91 | OUTSIDE | 300   |
| RT. STA. 200+36 TO RT. STA. 202+99 | INSIDE  | 175   |
| LT. STA. 200+74 TO LT. STA. 204+14 | INSIDE  | 227   |
| LT. STA. 200+88 TO LT. STA. 204+16 | OUTSIDE | 364   |
| TOTAL                              |         | 2127  |

**BITUMINOUS MATERIALS (PRIME COAT)**

| LOCATION                                      | TON                |
|---|--------------------|
| FAI-72 (SCOTT COUNTY)                         |                    |
| WB STA. 107+16.06 TO STA. 199+17.81           | 15.54              |
| EB STA. 106+86.47 TO STA. 198+64.60           | 15.50              |
| WB STA. 201+33.78 TO STA. 262+29.22           | 10.29              |
| EB STA. 200+82.53 TO STA. 262+29.22           | 10.38              |
| (MORGAN COUNTY)                               |                    |
| WB STA. 262+29.22 TO STA. 443+19.48           | 30.55              |
| EB STA. 262+29.22 TO STA. 443+19.48           | 30.55              |
| EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH |                    |
| WB STA. 10+03.94 TO STA. 22+74.37             | 2.15               |
| EB STA. 10+03.94 TO STA. 26+47.25             | 2.78               |
| BL-72/US 67                                   |                    |
| NB STA. 356+25 TO STA. 453+98                 | 17.47              |
| SB STA. 372+50 TO STA. 449+60                 | 13.02              |
| TOTAL   | 148.23 (USE 148.2) |

**AGGREGATE (PRIME COAT)**

| LOCATION                                      | TON |
|---|-----|
| FAI-72 (SCOTT COUNTY)                         |     |
| WB STA. 107+16.06 TO STA. 199+17.81           | 82  |
| EB STA. 106+86.47 TO STA. 198+64.60           | 82  |
| WB STA. 201+33.78 TO STA. 262+29.22           | 54  |
| EB STA. 200+82.53 TO STA. 262+29.22           | 55  |
| (MORGAN COUNTY)                               |     |
| WB STA. 262+29.22 TO STA. 443+19.48           | 161 |
| EB STA. 262+29.22 TO STA. 443+19.48           | 161 |
| EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH |     |
| WB STA. 10+03.94 TO STA. 22+74.37             | 11  |
| EB STA. 10+03.94 TO STA. 26+47.25             | 15  |
| BL-72/US 67                                   |     |
| NB STA. 356+25 TO STA. 453+98                 | 92  |
| SB STA. 372+50 TO STA. 449+60                 | 69  |
| TOTAL   | 782 |

**CONSTRUCTING TEST STRIP**

| LOCATION             | EACH |
|----------------------|------|
| FAI 72 & BL-72/US 67 | 2    |
| (BINDER COURSE)      |      |
| (SURFACE COURSE)     |      |
| TOTAL                | 2    |

**PORTLAND CEMENT CONCRETE SURFACE REMOVAL, BUTT-JOINT**

| LOCATION                      | SQ YD |
|-------------------------------|-------|
| BL-72/US 67 (MORGAN COUNTY)   | 147   |
| NB STA. 453+68 TO STA. 453+98 | 133   |
| SB STA. 449+30 TO STA. 449+60 |       |
| TOTAL                         | 280   |

**TEMPORARY RAMP**

| LOCATION              | SQ YD |
|-----------------------|-------|
| FAI-72 (SCOTT COUNTY) |       |
| WB STA. 107+16.06     | 20    |
| EB STA. 106+86.47     | 20    |
| WB STA. 199+17.81     | 20    |
| EB STA. 198+64.60     | 20    |
| WB STA. 201+33.78     | 20    |
| EB STA. 200+82.53     | 20    |
| (MORGAN COUNTY)       |       |
| WB STA. 22+74.37      | 20    |
| EB STA. 26+47.25      | 20    |
| BL-72/US 67           |       |
| NB STA. 356+25        | 20    |
| SB STA. 372+50        | 20    |
| NB STA. 453+98        | 20    |
| SB STA. 449+60        | 20    |
| TOTAL                 | 240   |

**POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90**

| LOCATION                                      | TON    |
|---|--------|
| FAI-72 (SCOTT COUNTY)                         |        |
| WB STA. 107+16.06 TO STA. 199+17.81           | 3132   |
| EB STA. 106+86.47 TO STA. 198+64.60           | 3124   |
| WB STA. 201+33.78 TO STA. 262+29.22           | 2075   |
| EB STA. 200+82.53 TO STA. 262+29.22           | 2092   |
| (MORGAN COUNTY)                               |        |
| WB STA. 262+29.22 TO STA. 443+19.48           | 6157   |
| EB STA. 262+29.22 TO STA. 443+19.48           | 6157   |
| EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH |        |
| WB STA. 10+03.94 TO STA. 22+74.37             | 432    |
| EB STA. 10+03.94 TO STA. 26+47.25             | 559    |
| BL-72/US 67                                   |        |
| NB STA. 356+25 TO STA. 453+98                 | 3326   |
| SB STA. 372+50 TO STA. 449+60                 | 2624   |
| TOTAL   | 29,678 |

**POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90**

| LOCATION                                      | TON    |
|---|--------|
| FAI-72 (SCOTT COUNTY)                         |        |
| WB STA. 107+16.06 TO STA. 199+17.81           | 2072   |
| EB STA. 106+86.47 TO STA. 198+64.60           | 2067   |
| WB STA. 201+33.78 TO STA. 262+29.22           | 1372   |
| EB STA. 200+82.53 TO STA. 262+29.22           | 1384   |
| (MORGAN COUNTY)                               |        |
| WB STA. 262+29.22 TO STA. 443+19.48           | 4073   |
| EB STA. 262+29.22 TO STA. 443+19.48           | 4073   |
| EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH |        |
| WB STA. 10+03.94 TO STA. 22+74.37             | 286    |
| EB STA. 10+03.94 TO STA. 26+47.25             | 370    |
| BL-72/US 67                                   |        |
| NB STA. 356+25 TO STA. 453+98                 | 2201   |
| SB STA. 372+50 TO STA. 449+60                 | 1736   |
| TOTAL   | 19,634 |

**INCIDENTAL HOT-MIX ASPHALT SURFACING**

| LOCATION              | TON |
|-----------------------|-----|
| FAI-72 (SCOTT COUNTY) |     |
| STA. 260+77           | 46  |
| (MORGAN COUNTY)       |     |
| STA. 435+00           | 46  |
| BL-72/US 67           |     |
| STA. 360+41           | 85  |
| STA. 384+16           | 83  |
| STA. 421+90           | 74  |
| STA. 445+35           | 36  |
| TOTAL                 | 370 |

**HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"**

| LOCATION                                      | SQ YD  |
|---|--------|
| FAI-72 (SCOTT COUNTY)                         |        |
| WB STA. 107+16.06 TO STA. 191+75              | 15,038 |
| EB STA. 106+86.47 TO STA. 189+84.28           | 14,752 |
| WB STA. 207+65 TO STA. 262+29.22              | 9714   |
| EB STA. 217+84 TO STA. 262+29.22              | 7903   |
| CROSSOVER @ STA. 260+77                       | 403    |
| (MORGAN COUNTY)                               |        |
| WB STA. 262+29.22 TO STA. 343+79              | 14,489 |
| EB STA. 262+29.22 TO STA. 338+77              | 13,596 |
| WB STA. 427+15.94 TO STA. 443+19.48           | 2851   |
| EB STA. 426+87.44 TO STA. 443+19.48           | 2901   |
| CROSSOVER @ STA. 435+00                       | 403    |
| EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH |        |
| WB STA. 10+03.94 TO STA. 22+74.37             | 2259   |
| EB STA. 10+03.94 TO STA. 26+47.25             | 2921   |
| TOTAL   | 87,230 |

**HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"**

| LOCATION                         | SQ YD  |
|----------------------------------|--------|
| FAI-72 (SCOTT COUNTY)            |        |
| WB STA. 191+75 TO STA. 207+65    | 2443   |
| EB STA. 189+84.28 TO STA. 217+84 | 4590   |
| (MORGAN COUNTY)                  |        |
| WB STA. 343+79 TO STA. 427+15.94 | 14,821 |
| EB STA. 338+77 TO STA. 426+87.44 | 15,663 |
| TOTAL                            | 37,517 |

**HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"**

| LOCATION                                      | SQ YD   |
|---|---------|
| FAI-72 (SCOTT COUNTY)                         |         |
| WB STA. 107+16.06 TO STA. 191+75              | 22,557  |
| EB STA. 106+86.47 TO STA. 189+84.28           | 22,127  |
| WB STA. 207+65 TO STA. 262+29.22              | 14,571  |
| EB STA. 217+84 TO STA. 262+29.22              | 11,854  |
| (MORGAN COUNTY)                               |         |
| WB STA. 262+29.22 TO STA. 343+79              | 21,733  |
| EB STA. 262+29.22 TO STA. 338+77              | 20,394  |
| WB STA. 427+15.94 TO STA. 443+19.48           | 4276    |
| EB STA. 426+87.44 TO STA. 443+19.48           | 4352    |
| EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH |         |
| WB STA. 10+03.94 TO STA. 22+74.37             | 3388    |
| EB STA. 10+03.94 TO STA. 26+47.25             | 4382    |
| TOTAL   | 129,634 |

\* 86-10RS-3, 69-6RS-2, 69-1RS  
\*\* SCOTT, MORGAN

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

|  |                                    |              |           |  |
|--|------------------------------------|--------------|-----------|--|
| FILE NAME =  | USER NAME = laughlinr1             | DESIGNED -   | REVISED - | F.A.I. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 72 48 6 CONTRACT NO. 72A16 ILLINOIS FED. AID PROJECT |
| e:\pwwork\NPWIDOT\LAUGHLINRL\dms24453\972A16-sht-schedule.dgn        | PLOT SCALE = 100.0000' / IN.       | DRAWN -      | REVISED - |  |
| Johnson, Depp & Ouseberry CONSULTING ENGINEERS Springfield, Illinois | PLOT DATE = Apr-26-2010 10:24:16AM | CHECKED -    | REVISED - |  |
|  |                                    | DATE -       | REVISED - |  |
| SCALE:   | SHEET NO. OF SHEETS                | STA. TO STA. |           |  |

**HOT-MIX ASPHALT SURFACE REMOVAL, 4"**

| LOCATION  | SQ YD                            |
|---|----------------------------------|
| <b>EAI-72</b><br>(SCOTT COUNTY)<br>WB STA. 191+75 TO STA. 207+65<br>EB STA. 189+84.28 TO STA. 217+84<br>(MORGAN COUNTY)<br>WB STA. 343+79 TO STA. 427+15.94<br>EB STA. 338+77 TO STA. 426+87.44 | 3664<br>6885<br>22,232<br>23,495 |
| TOTAL = 56,276  |                                  |

**HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH**

| LOCATION  | SQ YD        |
|---|--------------|
| <b>BL-72/US 67</b><br>(MORGAN COUNTY)<br><br>NB LANES<br>STA. 356+25 TO STA. 368+95<br>STA. 388+96 TO STA. 396+60 | 5644<br>3396 |
| SB LANES<br>STA. 372+50 TO STA. 387+25  | 6556         |
| TOTAL = 15,596  |              |

**PAVED SHOULDER REMOVAL**

| LOCATION  | SIDE   | SQ YD  |
|---|--|--|
| <b>EAI-72</b><br>(SCOTT COUNTY)<br>RT. STA. 195+82 TO RT. STA. 199+10<br>RT. STA. 195+84 TO RT. STA. 199+25<br>LT. STA. 197+07 TO LT. STA. 199+64<br>LT. STA. 197+10 TO LT. STA. 199+79<br>RT. STA. 200+21 TO RT. STA. 202+91<br>RT. STA. 200+36 TO RT. STA. 202+99<br>LT. STA. 200+74 TO LT. STA. 204+14<br>LT. STA. 200+88 TO LT. STA. 204+16 | OUTSIDE<br>INSIDE<br>INSIDE<br>OUTSIDE<br>OUTSIDE<br>INSIDE<br>INSIDE<br>OUTSIDE | 364<br>227<br>171<br>299<br>300<br>175<br>227<br>364 |
| TOTAL = 2127  |  |  |

**PAVEMENT PATCHING (PARTIAL DEPTH)  
(PROVIDED BY DISTRICT)**

| LOCATION                              | SQ YD |
|---------------------------------------|-------|
| <b>BL-72/US 67</b><br>(MORGAN COUNTY) | 192   |
| TOTAL = 192                           |       |

**AGGREGATE SHOULDERS, TYPE B**

| LOCATION  | TON  |
|---|--|
| <b>EAI-72</b><br>(SCOTT COUNTY)<br>WB STA. 107+16.06 TO STA. 199+17.81<br>EB STA. 106+86.47 TO STA. 198+64.60<br>WB STA. 201+33.78 TO STA. 262+29.22<br>EB STA. 200+82.53 TO STA. 262+29.22<br>(MORGAN COUNTY)<br>WB STA. 262+29.22 TO STA. 443+19.48<br>EB STA. 262+29.22 TO STA. 443+19.48<br>EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH<br>WB STA. 10+03.94 TO STA. 22+74.37<br>EB STA. 10+03.94 TO STA. 26+47.25 | 112<br>111<br>74<br>75<br>220<br>220<br>15<br>20 |
| <b>BL-72/US 67</b><br>NB STA. 356+25 TO STA. 453+98<br>SB STA. 372+50 TO STA. 449+60  | 464<br>366                                       |
| TOTAL = 1677  |  |

**HOT-MIX ASPHALT SHOULDERS**

| LOCATION  | TON  |
|---|--|
| <b>EAI-72</b><br>(SCOTT COUNTY)<br>WB STA. 107+16.06 TO STA. 199+17.81<br>EB STA. 106+86.47 TO STA. 198+64.60<br>WB STA. 201+33.78 TO STA. 262+29.22<br>EB STA. 200+82.53 TO STA. 262+29.22<br>(MORGAN COUNTY)<br>WB STA. 262+29.22 TO STA. 443+19.48<br>EB STA. 262+29.22 TO STA. 443+19.48<br>EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH<br>WB STA. 10+03.94 TO STA. 22+74.37<br>EB STA. 10+03.94 TO STA. 26+47.25 | 1836<br>1831<br>1216<br>1226<br>3609<br>3609<br>253<br>328 |
| <b>BL-72/US 67</b><br>NB STA. 356+25 TO STA. 453+98<br>SB STA. 372+50 TO STA. 449+60  | 4184<br>2878   |
| TOTAL = 20,970  |  |

**STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS**

| LOCATION  | FOOT                                 |
|---|--------------------------------------|
| <b>BL-72/US 67</b><br>(MORGAN COUNTY)<br>RT. STA. 323+35.71 TO RT. STA. 326+88.21<br>LT. STA. 326+12.79 TO LT. STA. 329+75.29<br>RT. STA. 400+92.71 TO RT. STA. 403+30.21<br>LT. STA. 403+89.79 TO LT. STA. 406+27.29 | 362.50<br>362.50<br>237.50<br>237.50 |
| TOTAL = 1200.00   |                                      |

**TRAFFIC BARRIER TERMINAL, TYPE 2**

| LOCATION  | EACH             |
|---|------------------|
| <b>BL-72/US 67</b><br>(MORGAN COUNTY)<br>RT. STA. 326+88.21 TO RT. STA. 327+03.00<br>LT. STA. 325+98.00 TO LT. STA. 326+12.79<br>RT. STA. 403+30.21 TO RT. STA. 403+45.00<br>LT. STA. 403+75.00 TO LT. STA. 403+89.79 | 1<br>1<br>1<br>1 |
| TOTAL = 4   |                  |

**TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT**

| LOCATION  | EACH             |
|---|------------------|
| <b>BL-72/US 67</b><br>(MORGAN COUNTY)<br>RT. STA. 322+75.71 TO RT. STA. 323+25.71<br>LT. STA. 329+75.29 TO LT. STA. 330+25.29<br>RT. STA. 400+42.71 TO RT. STA. 400+92.71<br>LT. STA. 406+27.29 TO LT. STA. 406+77.29 | 1<br>1<br>1<br>1 |
| TOTAL = 4   |                  |

**SHOULDER RUMBLE STRIP**

| LOCATION  | FOOT   |
|---|--|
| <b>EAI-72</b><br>(SCOTT COUNTY)<br>WB STA. 107+16.06 TO STA. 262+29.22<br>EB STA. 106+86.47 TO STA. 262+29.22<br>(MORGAN COUNTY)<br>WB STA. 262+29.22 TO STA. 443+19.48<br>EB STA. 262+29.22 TO STA. 443+19.48<br>EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH<br>WB STA. 10+03.94 TO STA. 22+74.37<br>EB STA. 10+03.94 TO STA. 26+47.25 | 30,594<br>30,650<br>36,180<br>36,180<br>2540<br>3286 |

|  |                  |
|--|------------------|
| <b>BL-72/US 67</b><br>NB STA. 356+25 TO STA. 453+98<br>SB STA. 372+50 TO STA. 449+60 | 19,546<br>15,420 |
| TOTAL = 174,306  |                  |

**ENGINEER'S FIELD OFFICE, TYPE A**

| LOCATION               | CAL MO |
|------------------------|--------|
| FAI 72 & (BL-72/US 67) | 16     |
| TOTAL = 16             |        |

**MOBILIZATION**

| LOCATION                        | L SUM |
|---------------------------------|-------|
| <b>EAI-72</b><br>(SCOTT COUNTY) | 0.34  |
| (MORGAN COUNTY)                 | 0.33  |

|                    |      |
|--------------------|------|
| <b>BL-72/US 67</b> | 0.33 |
| TOTAL = 1.0        |      |

**TRAFFIC CONTROL AND PROTECTION, STANDARD 701402**

| LOCATION  | EACH   |
|---|--------|
| <b>EAI-72</b><br>(SCOTT COUNTY)<br>STA. 200+00.00<br>EB SN 086-0023<br>WB SN 086-0024 | 1<br>1 |
| TOTAL = 2   |        |

**TRAFFIC CONTROL AND PROTECTION, STANDARD 701411**

| LOCATION  | EACH        |
|---|-------------|
| (MORGAN COUNTY)<br><b>I-72 INTERCHANGE WITH BL-72/US 67</b><br>NB I-72 ENTRANCE RAMP<br>NB BL-72/US 67 RAMP<br><b>BL-72/US 67 INTERCHANGE WITH OLD IL 36</b><br>SB BL-72/US 67 RAMP | 1<br>1<br>1 |
| TOTAL = 3   |             |

**TRAFFIC CONTROL AND PROTECTION, STANDARD 701201**

| LOCATION   | L SUM        |
|--|--------------|
| <b>EAI 72</b><br>(SCOTT COUNTY)<br>(MORGAN COUNTY) | 0.34<br>0.33 |
| <b>BL-72/US 67</b>                                 | 0.33         |
| TOTAL = 1.0  |              |

**TRAFFIC CONTROL AND PROTECTION, STANDARD 701406**

| LOCATION   | L SUM        |
|--|--------------|
| <b>EAI 72</b><br>(SCOTT COUNTY)<br>(MORGAN COUNTY) | 0.34<br>0.33 |
| <b>BL-72/US 67</b>                                 | 0.33         |
| TOTAL = 1.0  |              |

**TRAFFIC CONTROL AND PROTECTION, STANDARD 701401**

| LOCATION   | L SUM        |
|--|--------------|
| <b>EAI 72</b><br>(SCOTT COUNTY)<br>(MORGAN COUNTY) | 0.34<br>0.33 |
| <b>BL-72/US 67</b>                                 | 0.33         |
| TOTAL = 1.0  |              |

**TRAFFIC CONTROL SURVEILLANCE**

| LOCATION   | CAL DA   |
|--|----------|
| <b>EAI 72</b><br>(SCOTT COUNTY)<br>(MORGAN COUNTY) | 17<br>19 |
| <b>BL-72/US 67</b>                                 | 3        |
| TOTAL = 39   |          |

**CHANGEABLE MESSAGE SIGN**

| LOCATION             | CAL MO |
|----------------------|--------|
| FAI-72 & BL-72/US 67 | 6      |
| TOTAL = 6            |        |

**SHORT-TERM PAVEMENT MARKING**

| LOCATION  | FOOT                                       |
|---|--|
| <b>EAI-72</b><br>(SCOTT COUNTY)<br>WB STA. 107+16.06 TO STA. 262+29.22<br>EB STA. 106+86.47 TO STA. 262+29.22<br>(MORGAN COUNTY)<br>WB STA. 262+29.22 TO STA. 443+19.48<br>EB STA. 262+29.22 TO STA. 443+19.48<br>EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH<br>WB STA. 10+03.94 TO STA. 22+74.37<br>EB STA. 10+03.94 TO STA. 26+47.25 | 5218<br>5231<br>6167<br>6167<br>452<br>576 |
| <b>BL-72/US 67</b><br>NB STA. 356+25 TO STA. 453+98<br>SB STA. 372+50 TO STA. 449+60  | 2160<br>1712                               |
| TOTAL = 27,684  |  |

**TEMPORARY PAVEMENT MARKING - LINE 5"**

| LOCATION  | EDGELINE SOLID WHITE FOOT                            | CENTERLINE SKIP-DASH WHITE FOOT            | EDGELINE SOLID YELLOW FOOT                           |
|---|--|--|--|
| <b>EAI-72</b><br>(SCOTT COUNTY)<br>WB STA. 107+16.06 TO STA. 262+29.22<br>EB STA. 106+86.47 TO STA. 262+29.22<br>(MORGAN COUNTY)<br>WB STA. 262+29.22 TO STA. 443+19.48<br>EB STA. 262+29.22 TO STA. 443+19.48<br>EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH<br>WB STA. 10+03.94 TO STA. 22+74.37<br>EB STA. 10+03.94 TO STA. 26+47.25 | 15,513<br>15,543<br>18,090<br>18,090<br>1270<br>1643 | 3874<br>3881<br>4522<br>4522<br>318<br>411 | 15,513<br>15,543<br>18,090<br>18,090<br>1270<br>1643 |
| <b>BL-72/US 67</b><br>NB STA. 356+25 TO STA. 453+98<br>SB STA. 372+50 TO STA. 449+60  | 9773<br>7710   | 2443<br>1927                               | 9773<br>7710   |
| SUB TOTALS =  |  |  |  |
|   | 87,632   | 21,898                                     | 87,632   |
| TOTAL = 197,162   |  |  |  |

• 86-10RS-3, 69-6RS-2, 69-1RS  
• SCOTT, MORGAN



FILE NAME = USER NAME = laughlinr1  
DESIGNED - REVISED -  
DRAWN - REVISED -  
CHECKED - REVISED -  
DATE - REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

| SCALE: | SHEET NO. | OF | SHEETS | STA. | TO STA. |
|--------|-----------|----|--------|------|---------|
|        |           |    |        |      |         |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------|--------|--------------|-----------|
| 72          |         |        | 48           | 7         |

CONTRACT NO. 72A16  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

**WORK ZONE PAVEMENT MARKING REMOVAL**  
(TEMPORARY PAVEMENT MARKING NOT INCLUDED)

| LOCATION                        | SQ FT |
|---------------------------------|-------|
| <b>FAI-72</b><br>(SCOTT COUNTY) | 1230  |
| (MORGAN COUNTY)                 | 1573  |
| <b>BL-72/US_67</b>              | 705   |
| TOTAL = 3508                    |       |

**TEMPORARY CONCRETE BARRIER**

| LOCATION                             | FOOT |
|--------------------------------------|------|
| <b>FAI-72</b><br>(SCOTT COUNTY)      |      |
| STAGE I, (SN 086-0023/24)            |      |
| RT. STA. 197+05.5 TO RT. STA. 200+31 | 325  |
| LT. STA. 199+70 TO LT. STA. 202+94.5 | 325  |
| TOTAL = 650                          |      |

**RELOCATE TEMPORARY CONCRETE BARRIER**

| LOCATION                             | FOOT |
|--------------------------------------|------|
| <b>FAI-72</b><br>(SCOTT COUNTY)      |      |
| STAGE II, (SN 086-0023/24)           |      |
| RT. STA. 197+06.5 TO RT. STA. 200+31 | 325  |
| LT. STA. 199+70 TO LT. STA. 202+91.5 | 325  |
| TOTAL = 650                          |      |

**PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"**

| LOCATION                                      | CENTERLINE<br>SKIP-DASH<br>WHITE<br>FOOT |
|---|--|
| <b>FAI-72</b><br>(SCOTT COUNTY)               |  |
| WB STA. 107+16.06 TO STA. 199+17.81           | 2300                                     |
| EB STA. 106+86.47 TO STA. 198+64.60           | 2294                                     |
| WB STA. 201+33.78 TO STA. 262+29.22           | 1524                                     |
| EB STA. 200+82.53 TO STA. 262+29.22           | 1537                                     |
| (MORGAN COUNTY)                               |  |
| WB STA. 262+29.22 TO STA. 443+19.48           | 4522                                     |
| EB STA. 262+29.22 TO STA. 443+19.48           | 4522                                     |
| EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH |  |
| WB STA. 10+03.94 TO STA. 22+74.37             | 318                                      |
| EB STA. 10+03.94 TO STA. 26+47.25             | 411                                      |
| <b>BL-72/US_67</b>                            |  |
| NB STA. 356+25 TO STA. 453+98                 | 2443                                     |
| SB STA. 372+50 TO STA. 449+60                 | 1927                                     |
| TOTAL = 21,798                                |  |

**RAISED REFLECTIVE PAVEMENT MARKER**

| LOCATION                                      | EACH |
|---|------|
| <b>FAI-72</b><br>(SCOTT COUNTY)               |      |
| WB STA. 107+16.06 TO STA. 199+17.81           | 115  |
| EB STA. 106+86.47 TO STA. 198+64.60           | 115  |
| WB STA. 201+33.78 TO STA. 262+29.22           | 76   |
| EB STA. 200+82.53 TO STA. 262+29.22           | 77   |
| (MORGAN COUNTY)                               |      |
| WB STA. 262+29.22 TO STA. 443+19.48           | 226  |
| EB STA. 262+29.22 TO STA. 443+19.48           | 226  |
| EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH |      |
| WB STA. 10+03.94 TO STA. 22+74.37             | 16   |
| EB STA. 10+03.94 TO STA. 26+47.25             | 21   |
| <b>BL-72/US_67</b>                            |      |
| NB STA. 356+25 TO STA. 453+98                 | 244  |
| SB STA. 372+50 TO STA. 449+60                 | 192  |
| TOTAL = 1308                                  |      |

**GUARDRAIL MARKERS, TYPE A**

| LOCATION                                 | EACH |
|--|------|
| <b>BL-72/US_67</b><br>(MORGAN COUNTY)    |      |
| RT. STA. 322+75.71 TO RT. STA. 327+03.00 | 5    |
| LT. STA. 325+98.00 TO LT. STA. 330+25.29 | 5    |
| RT. STA. 400+42.71 TO RT. STA. 403+45.00 | 4    |
| LT. STA. 403+75.00 TO LT. STA. 406+77.29 | 4    |
| TOTAL = 18                               |      |

**BARRIER WALL MARKERS, TYPE C**

| LOCATION                             | EACH |
|--------------------------------------|------|
| <b>FAI-72</b><br>(SCOTT COUNTY)      |      |
| STAGE I, (SN 086-0023/24)            |      |
| RT. STA. 197+05.5 TO RT. STA. 200+31 | 26   |
| LT. STA. 199+70 TO LT. STA. 202+94.5 | 26   |
| TOTAL = 52                           |      |

**TERMINAL MARKER-DIRECT APPLIED**

| LOCATION                              | EACH |
|---------------------------------------|------|
| <b>BL-72/US_67</b><br>(MORGAN COUNTY) |      |
| RT. STA. 322+75.71                    | 1    |
| LT. STA. 330+25.29                    | 1    |
| RT. STA. 400+42.71                    | 1    |
| LT. STA. 406+77.29                    | 1    |
| TOTAL = 4                             |      |

**PAVEMENT MARKING REMOVAL**

| LOCATION                                | TYPE OF MARKING    | SQ FT |
|---|--------------------|-------|
| <b>FAI-72</b><br>(SCOTT COUNTY)         |                    |       |
| RT. STA. 190+84 TO RT. STA. 203+00 (EB) | SKIP-DASH          | 127   |
| RT. STA. 195+82 TO RT. STA. 202+91 (EB) | LANE LINE (WHITE)  | 295   |
| RT. STA. 195+84 TO RT. STA. 202+99 (EB) | LANE LINE (YELLOW) | 298   |
| LT. STA. 197+07 TO LT. STA. 209+16 (WB) | SKIP-DASH          | 126   |
| LT. STA. 197+10 TO LT. STA. 204+16 (WB) | LANE LINE (WHITE)  | 294   |
| LT. STA. 197+07 TO LT. STA. 204+14 (WB) | LANE LINE (YELLOW) | 295   |
| TOTAL = 1435                            |                    |       |

**RAISED REFLECTIVE PAVEMENT MARKER REMOVAL**

| LOCATION                                      | EACH |
|---|------|
| <b>FAI-72</b><br>(SCOTT COUNTY)               |      |
| WB STA. 107+16.06 TO STA. 199+17.81           | 115  |
| EB STA. 106+86.47 TO STA. 198+64.60           | 115  |
| WB STA. 201+33.78 TO STA. 262+29.22           | 76   |
| EB STA. 200+82.53 TO STA. 262+29.22           | 77   |
| (MORGAN COUNTY)                               |      |
| WB STA. 262+29.22 TO STA. 443+19.48           | 226  |
| EB STA. 262+29.22 TO STA. 443+19.48           | 226  |
| EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH |      |
| WB STA. 10+03.94 TO STA. 22+74.37             | 16   |
| EB STA. 10+03.94 TO STA. 26+47.25             | 21   |
| <b>BL-72/US_67</b>                            |      |
| NB STA. 356+25 TO STA. 453+98                 | 244  |
| SB STA. 372+50 TO STA. 449+60                 | 192  |
| TOTAL = 1308                                  |      |

**CLEANING UNDERDRAIN OUTLETS**

| LOCATION                        | EACH |
|---------------------------------|------|
| <b>FAI-72</b><br>(SCOTT COUNTY) | 124  |
| (MORGAN COUNTY)                 | 158  |
| <b>BL-72/US_67</b>              | 78   |
| TOTAL = 360                     |      |

**OUTLET MARKER**

| LOCATION                        | EACH |
|---------------------------------|------|
| <b>FAI-72</b><br>(SCOTT COUNTY) | 124  |
| (MORGAN COUNTY)                 | 158  |
| <b>BL-72/US_67</b>              | 78   |
| TOTAL = 360                     |      |

**MATERIAL TRANSFER DEVICE**

| LOCATION                        | TON    |
|---------------------------------|--------|
| <b>FAI-72</b><br>(SCOTT COUNTY) | 17,318 |
| (MORGAN COUNTY)                 | 22,107 |
| <b>BL-72/US_67</b>              | 9887   |
| TOTAL = 49,312                  |        |

**BOLLARDS**

**BOLLARDS REMOVAL**

| LOCATION                                      | EACH | REMOVAL<br>EACH |
|---|------|-----------------|
| <b>FAI-72</b><br>(SCOTT COUNTY)               |      |                 |
| STA. 113+60                                   | 5    | 5               |
| STA. 137+95                                   | 5    | 2               |
| STA. 142+80                                   |      | 2               |
| STA. 145+75                                   | 5    | 3               |
| STA. 151+25                                   | 5    | 3               |
| STA. 180+00                                   | 5    | 4               |
| STA. 213+10                                   | 5    | 3               |
| STA. 221+40                                   | 5    |                 |
| STA. 229+80                                   | 5    | 2               |
| STA. 235+55                                   | 5    | 2               |
| STA. 248+00                                   | 5    |                 |
| (MORGAN COUNTY)                               |      |                 |
| STA. 274+00                                   | 5    | 1               |
| STA. 287+00                                   | 5    |                 |
| STA. 305+00                                   | 2    | 2               |
| STA. 315+00                                   | 5    | 4               |
| STA. 347+90                                   | 5    | 4               |
| STA. 360+90                                   | 5    | 3               |
| STA. 373+90                                   | 5    | 4               |
| STA. 393+00                                   |      | 6               |
| STA. 395+00                                   |      | 2               |
| STA. 406+00                                   | 2    |                 |
| STA. 414+00                                   | 2    |                 |
| EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH |      |                 |
| STA. 13+00                                    | 5    | 4               |
| STA. 23+70                                    | 5    | 3               |
| <b>BL-72/US_67</b>                            |      |                 |
| STA. 373+90                                   | 5    |                 |
| STA. 393+90                                   | 5    |                 |
| STA. 398+80                                   | 5    |                 |
| STA. 410+30                                   | 5    |                 |
| STA. 433+10                                   | 5    |                 |
| STA. 452+90                                   | 5    |                 |
| TOTALS =                                      |      | 59              |

**MAINTENANCE MOWING**

| LOCATION                         | ACRE |
|----------------------------------|------|
| <b>FAI-72</b><br>(SCOTT COUNTY)  |      |
| STA. 107+00 TO STA. 262+29.22    | 47   |
| (MORGAN COUNTY)                  |      |
| STA. 262+29.22 TO STA. 443+19.48 | 55   |
| <b>BL-72/US_67</b>               |      |
| STA. 356+00 TO STA. 395+60       | 12   |
| STA. 395+60 TO STA. 427+60       | 10   |
| STA. 427+60 TO STA. 440+70       | 4    |
| STA. 440+70 TO STA. 454+00       | 3    |
| TOTAL = 131                      |      |

**GROOVING FOR RECESSED PAVEMENT MARKING 6"**

| LOCATION                                      | EDGELINE               |                         |
|---|------------------------|-------------------------|
|   | SOLID<br>WHITE<br>FOOT | SOLID<br>YELLOW<br>FOOT |
| <b>FAI-72</b><br>(SCOTT COUNTY)               |                        |                         |
| WB STA. 107+16.06 TO STA. 199+17.81           | 9202                   | 9202                    |
| EB STA. 106+86.47 TO STA. 198+64.60           | 9178                   | 9178                    |
| WB STA. 201+33.78 TO STA. 262+29.22           | 6096                   | 6096                    |
| EB STA. 200+82.53 TO STA. 262+29.22           | 6147                   | 6147                    |
| (MORGAN COUNTY)                               |                        |                         |
| WB STA. 262+29.22 TO STA. 443+19.48           | 18,090                 | 18,090                  |
| EB STA. 262+29.22 TO STA. 443+19.48           | 18,090                 | 18,090                  |
| EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH |                        |                         |
| WB STA. 10+03.94 TO STA. 22+74.37             | 1270                   | 1270                    |
| EB STA. 10+03.94 TO STA. 26+47.25             | 1643                   | 1643                    |
| <b>BL-72/US_67</b>                            |                        |                         |
| NB STA. 356+25 TO STA. 453+98                 | 9773                   | 9773                    |
| SB STA. 372+50 TO STA. 449+60                 | 7710                   | 7710                    |
| SUB TOTALS =                                  |                        | 87,199                  |
| TOTAL = 174,398                               |                        |                         |

• 86-10RS-3, 69-6RS-2, 69-1RS  
• SCOTT, MORGAN

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SCHEDULE OF QUANTITIES**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

| F.A.I.<br>RTE.      | SECTION | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |
|---------------------|---------|---------------------------|-----------------|--------------|
| 72                  |         |                           | 48              | 8            |
| CONTRACT NO. 72A16  |         |                           |                 |              |
| FED. ROAD DIST. NO. |         | ILLINOIS FED. AID PROJECT |                 |              |



FILE NAME = USER NAME = laughtinr1  
DESIGNED - REVISED -  
DRAWN - REVISED -  
CHECKED - REVISED -  
DATE - REVISED -

672A16-shr-schedule.dgn  
PLOT SCALE = 1/8" = 100.0000' / IN.  
PLOT DATE = Apr-06-2010 10:24:21AM

CLASS A PATCHES, TYPE II, 8 INCH  
 CLASS A PATCHES, TYPE III, 8 INCH  
 CLASS A PATCHES, TYPES IV, 8 INCH  
 CLASS A PATCHES, TYPE II, 12 INCH  
 CLASS A PATCHES, TYPE III, 12 INCH  
 CLASS A PATCHES, TYPES IV, 12 INCH  
 PATCHING REINFORCEMENT  
 SAW CUTS  
 TIE BARS 3/4"  
 (ALL PATCHES IN DRIVING LANE)

| LOCATION                       | TYPE II 8" SQ YD 5 TO <15 | TYPE III 8" SQ YD 15 TO <25 | TYPE IV 8" SQ YD 25> | TYPE II 12" SQ YD 5 TO <15 | TYPE III 12" SQ YD 15 TO <25 | TYPE IV 12" SQ YD 25> | PATCHING REINFORCEMENT (SQ. YD.) | SAW CUTS (FOOT) | TIE BARS (EACH) |
|--------------------------------|---------------------------|-----------------------------|----------------------|----------------------------|------------------------------|-----------------------|----------------------------------|-----------------|-----------------|
| FAI-72 (SCOTT COUNTY) WB LANES |                           |                             |                      |                            |                              |                       |                                  |                 |                 |
| STA. 110+62                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 110+87                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 113+24                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 113+58                    |                           |                             |                      | 10.7                       |                              |                       | 10.7                             | 64              |                 |
| STA. 114+16                    |                           |                             |                      |                            |                              | 65.3                  | 65.3                             | 146             | 24              |
| STA. 115+01                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 115+44                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 122+07                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 143+94                    |                           |                             |                      |                            | 24                           |                       | 24                               | 84              |                 |
| STA. 145+14                    |                           |                             |                      |                            | 16                           |                       | 16                               | 72              |                 |
| STA. 154+48                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 164+52                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 183+81                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 186+86                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 209+05                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 211+62                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 212+07                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 212+73                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 215+48                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 225+54                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 248+55                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 261+43                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 261+66                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| EB LANES                       |                           |                             |                      |                            |                              |                       |                                  |                 |                 |
| STA. 107+53                    |                           |                             |                      |                            | 22.7                         |                       | 22.7                             | 82              |                 |
| STA. 137+62                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 155+90                    |                           |                             |                      |                            |                              | 32                    | 32                               | 96              | 11              |
| STA. 158+59                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 251+83                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 253+88                    |                           |                             |                      | 10.7                       |                              |                       | 10.7                             | 64              |                 |
| STA. 254+12                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 258+36                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| (MORGAN COUNTY) WB LANES       |                           |                             |                      |                            |                              |                       |                                  |                 |                 |
| STA. 265+91                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 313+41                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 397+91                    |                           |                             |                      |                            |                              | 32                    | 32                               | 96              | 11              |
| STA. 398+27                    |                           |                             |                      |                            |                              | 58.7                  | 58.7                             | 136             | 21              |
| STA. 398+75                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 399+72                    |                           |                             |                      |                            | 16                           |                       | 16                               | 72              |                 |
| STA. 402+17                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 403+17                    |                           |                             |                      |                            | 20                           |                       | 20                               | 78              |                 |
| EB LANES                       |                           |                             |                      |                            |                              |                       |                                  |                 |                 |
| STA. 307+27                    |                           |                             |                      | 10.7                       |                              |                       | 10.7                             | 64              |                 |
| STA. 329+01                    |                           |                             |                      |                            | 22.7                         |                       | 22.7                             | 82              |                 |
| STA. 330+02                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 335+56                    |                           |                             |                      |                            |                              | 132                   | 132                              | 246             | 49              |
| STA. 336+85                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 367+37                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 375+49                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 399+06                    |                           |                             |                      | 8                          |                              |                       | 8                                | 60              |                 |
| STA. 442+76                    |                           |                             |                      |                            | 16                           |                       | 16                               | 72              |                 |
| ESTIMATED 25% BL-72/US 67      |                           |                             |                      | 296.1                      |                              |                       |                                  |                 |                 |
| NB LANES                       |                           |                             |                      |                            |                              |                       |                                  |                 |                 |
| STA. 356+10                    | 10.7                      |                             |                      |                            |                              |                       | 10.7                             | 64              |                 |
| STA. 407+30                    | 13.3                      |                             |                      |                            |                              |                       | 13.3                             | 68              |                 |
| STA. 407+60                    |                           | 16                          |                      |                            |                              |                       | 16.0                             | 72              |                 |
| STA. 408+10                    | 14.7                      |                             |                      |                            |                              |                       | 14.7                             | 70              |                 |
| STA. 453+95                    |                           |                             | 53.3                 |                            |                              |                       | 53.3                             | 128             | 19              |
| TOTALS =                       | 38.7                      | 16                          | 53.3                 | 370.2                      | 137.4                        | 320                   | 861.5                            | 3836            | 135             |

| ESTIMATED QUANTITIES |  |       |          |                                      |
|----------------------|--|-------|----------|--------------------------------------|
| PAY ITEM NUMBER      | PAY ITEM   | UNIT  | QUANTITY | LOCATION/ REASON                     |
| 44212899             | PAVEMENT PATCHING (FULL DEPTH)                             | SQ YD | 800      | AS DIRECTED                          |
| 44212900             | PAVEMENT PATCHING (PARTIAL DEPTH)                          | SQ YD | 150      | AS DIRECTED                          |
| X0325739             | HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL) | SQ YD | 1000     | SHOULDER FAILURE DURING CONSTRUCTION |

**WIDTH RESTRICTION SIGNING**

| LOCATION              | L SUM |
|-----------------------|-------|
| FAI 72 (SCOTT COUNTY) | 0.50  |
| (MORGAN COUNTY)       | 0.50  |
| TOTAL =               | 1     |

**URETHANE PAVEMENT MARKING - LINE 5"**

| LOCATION  | EDGELINE SOLID WHITE FOOT   | CENTERLINE SKIP-DASH WHITE FOOT | EDGELINE SOLID YELLOW FOOT |
|---|---|---------------------------------|----------------------------|
|   | FAI-72 (SCOTT COUNTY)<br>WB STA. 107+16.06 TO STA. 262+29.22<br>EB STA. 106+86.47 TO STA. 262+29.22<br>(MORGAN COUNTY)<br>WB STA. 262+29.22 TO STA. 443+19.48<br>EB STA. 262+29.22 TO STA. 443+19.48<br>EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH<br>WB STA. 10+03.94 TO STA. 22+74.37<br>EB STA. 10+03.94 TO STA. 26+47.25 | 15,513<br>15,543                | 50<br>50                   |
| BL-72/US 67<br>NB STA. 356+25 TO STA. 453+98<br>SB STA. 372+50 TO STA. 449+60 | 9773<br>7710  |                                 | 9773<br>7710               |
| <b>SUB TOTALS =</b>   | <b>87,632</b>   | <b>100</b>                      | <b>87,632</b>              |
| <b>TOTAL =</b>  | <b>175,364</b>  |                                 |                            |

**IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3**

| LOCATION   | EACH     |
|--|----------|
| FAI-72 (SCOTT COUNTY)<br>STAGE I, (SN 086-0023/24)<br>RT. STA. 197+05<br>LT. STA. 202+95 | 1<br>1   |
| <b>TOTAL =</b>   | <b>2</b> |

**IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3**

| LOCATION  | EACH     |
|---|----------|
| FAI-72 (SCOTT COUNTY)<br>STAGE II, (SN 086-0023/24)<br>RT. STA. 197+06<br>LT. STA. 202+91.5 | 1<br>1   |
| <b>TOTAL =</b>  | <b>2</b> |

• 86-10RS-3, 69-6RS-2, 69-1RS  
 •• SCOTT, MORGAN

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

| SCALE: | SHEET NO. | OF | SHEETS | STA. | TO STA. |
|--------|-----------|----|--------|------|---------|
|        |           |    |        |      |         |

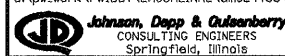
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 DRAWN -  
 CHECKED -  
 DATE -

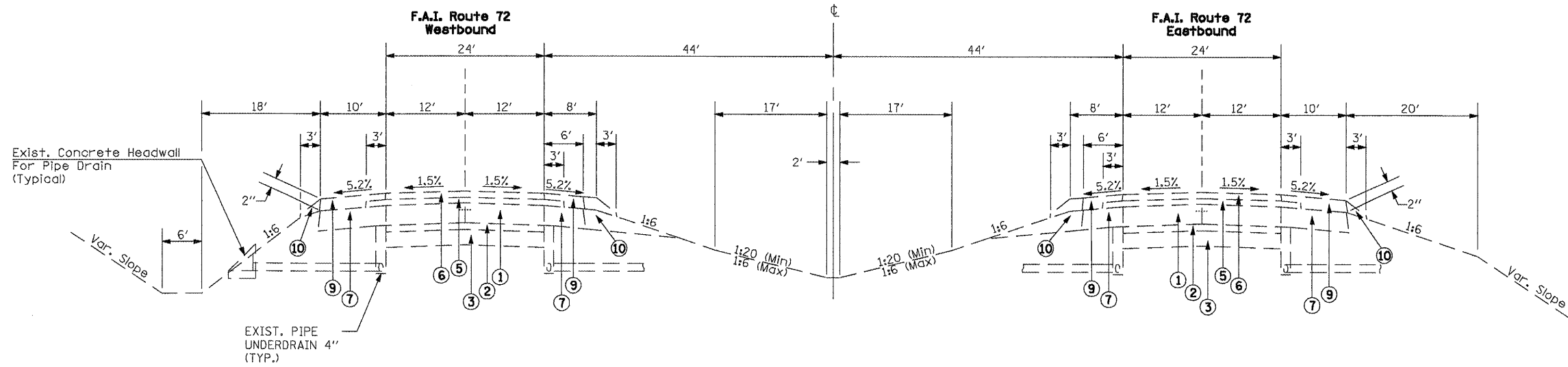
REVISED -  
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 REVISED -

| F.A.J. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------|--------|--------------|-----------|
| 72          |         | ••     | 48           | 9         |

CONTRACT NO. 72A16  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT





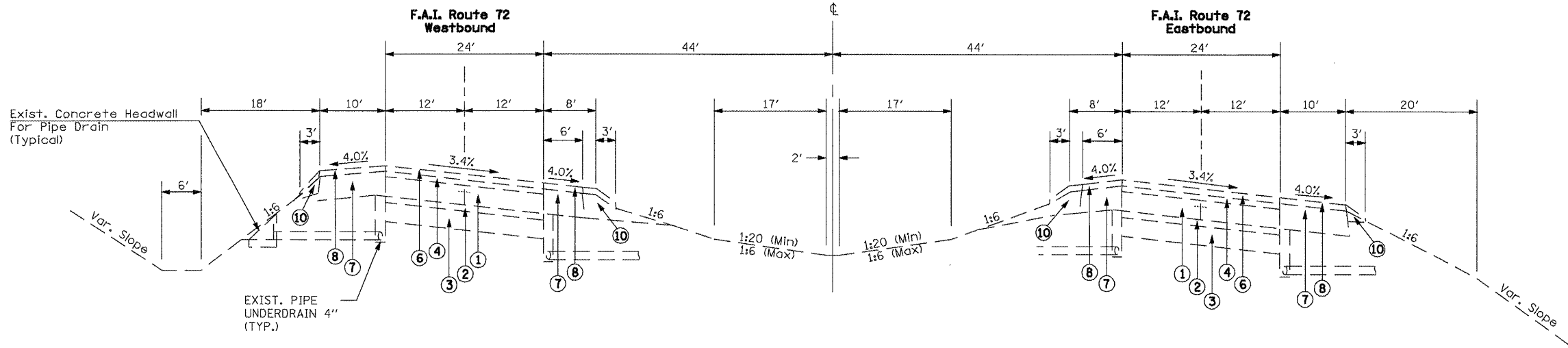


WB Sta. 107+16.06 to Sta. 191+75  
 WB Sta. 207+65 to Sta. 217+84  
 WB Sta. 233+02 to Sta. 343+79  
 WB Sta. 427+15.94 to Sta. 443+19.48  
 EQUATION: P.I. Sta. 443+19.48 BK  
 P.I. Sta. 10+03.94 AHD.  
 WB Sta. 10+03.94 to Sta. 22+74.37

**1** TYPICAL TANGENT SECTION  
 EXISTING HMA 3 1/4"

EB Sta. 106+86.47 to Sta. 189+84.28  
 EB Sta. 233+02 to Sta. 338+77  
 EB Sta. 426+87.44 to Sta. 443+19.48  
 EQUATION: P.I. Sta. 443+19.48 BK  
 P.I. Sta. 10+03.94 AHD.  
 EB Sta. 10+03.94 to Sta. 26+47.25

- 1 EXISTING CONTINUOUSLY REINFORCED P.C.C. PAVEMENT 8" (1975)
- 2 EXISTING STABILIZED SUB-BASE ON EARTH BASE 4"
- 3 EXISTING GRANULAR SUB-BASE 8" OR 12" (SPOT LOCATIONS)
- 4 EXISTING HMA CONCRETE 2 1/2" (DATE UNKNOWN)
- 5 EXISTING HMA BINDER COURSE 1 3/4" (1996)
- 6 EXISTING HMA SURFACE COURSE 1 1/2" (1996)
- 7 EXISTING HMA SHOULDER
- 8 EXISTING HMA SHOULDER 1 1/2" (1996)
- 9 EXISTING HMA SHOULDER 3 1/4" (1996)
- 10 EXISTING AGGREGATE SHOULDER, TYPE B
  
- 20 PROPOSED HMA SURFACE REMOVAL 1 1/2"
- 21 PROPOSED HMA SURFACE REMOVAL 2 1/4"
- 22 PROPOSED HMA SURFACE REMOVAL 3 1/4"
- 23 PROPOSED HMA SURFACE REMOVAL 4"
- 24 PROPOSED BITUMINOUS MATERIALS (PRIMECOAT)
- 25 PROPOSED AGGREGATE (PRIMECOAT)
- 26 PROPOSED HMA BINDER COURSE (2 1/4")
- 27 PROPOSED HMA SURFACE COURSE (1 1/2")
- 28 PROPOSED HMA SHOULDERS (2")
- 29 PROPOSED AGGREGATE SHOULDER, TYPE B



SUPERELEVATION TRANSITION **1-3**  
 WB Sta. 191+75 to Sta. 194+15  
 (Existing Resurfacing BEGINS WB Sta 192+35)  
 WB Sta. 194+15 to Sta. 199+17.81  
 OMISSION STA. 199+17.81 TO STA. 201+33.78  
 WB Sta. 201+33.78 to Sta. 204+27  
 SUPERELEVATION TRANSITION **3-2**  
 WB Sta. 204+27 to Sta. 206+67

**3** EXISTING SUPERELEVATED SECTION  
 EXISTING HMA 4"

SUPERELEVATION TRANSITION **2-3**  
 EB Sta. 191+75 to Sta. 194+15  
 WB Sta. 194+15 to Sta. 198+64.60  
 OMISSION STA. 198+64.60 TO STA. 200+82.53  
 WB Sta. 200+82.53 to Sta. 204+27  
 SUPERELEVATION TRANSITION **3-2**  
 WB Sta. 204+27 to Sta. 206+67

• 86-10RS-3, 69-6RS-2, 69-1RS  
 \*\* SCOTT, MORGAN

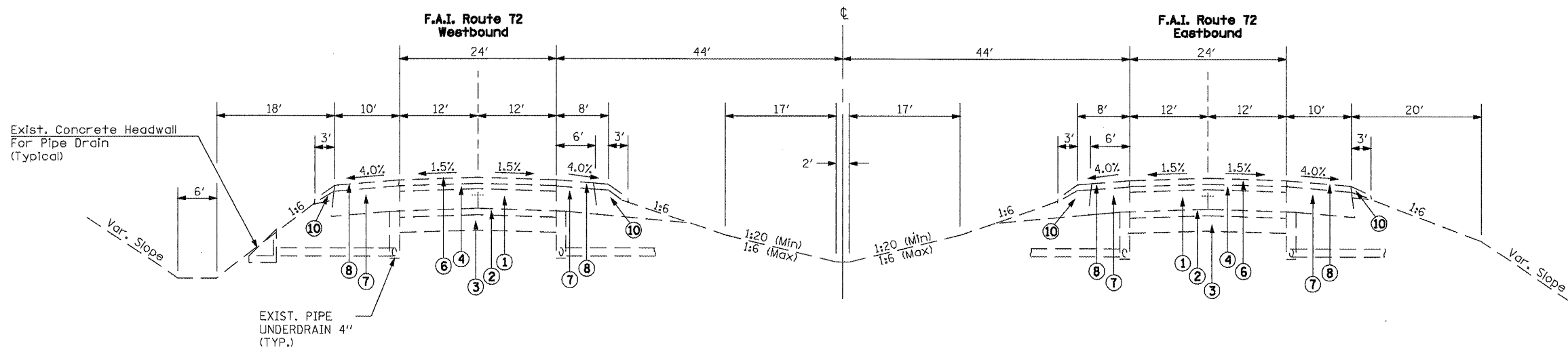
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|  |                        | CHECKED -  | REVISED - |
|  |                        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

|   |           |           |              |
|---|-----------|-----------|--------------|
| <b>EXISTING FAI 72 TYPICAL SECTIONS</b> |           |           |              |
| SCALE:                                  | SHEET NO. | OF SHEETS | STA. TO STA. |

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A.I. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 72                        | .       | **     | 48           | 10        |
| CONTRACT NO. 72A16        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

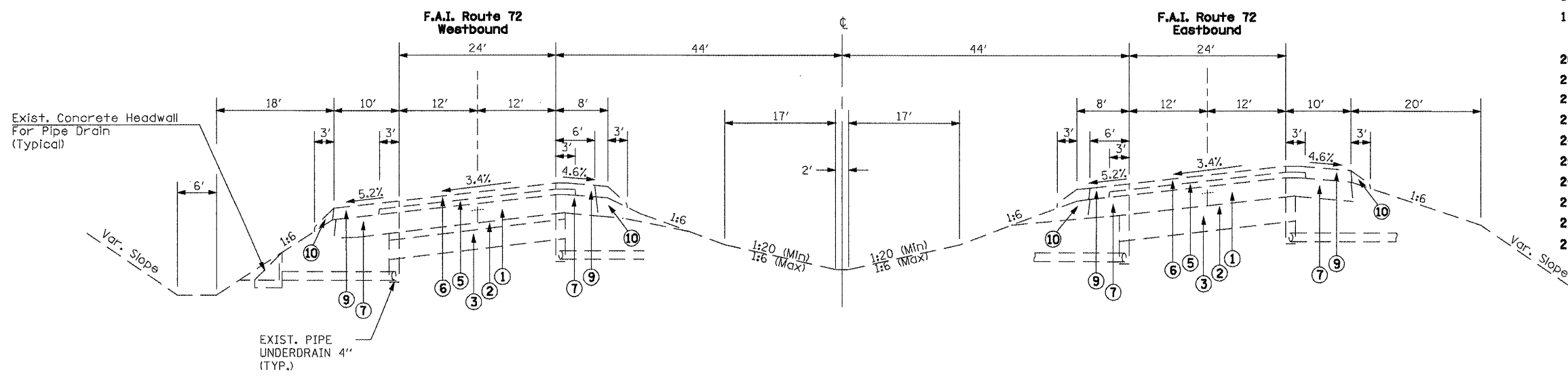




WB Sta. 206+67 to Sta. 207+65  
WB Sta. 343+79 to Sta. 427+15.94

**2** TYPICAL TANGENT SECTION  
EXISTING HMA 4"

EB Sta. 189+84.28 to Sta. 191+75  
EB Sta. 206+67 to Sta. 217+84  
EB Sta. 338+77 to Sta. 426+87.44



SUPERELEVATION TRANSITION **1**-**4**  
WB Sta. 217+84 to Sta. 220+24

**4** EXISTING SUPERELEVATED SECTION  
EXISTING HMA 3 1/4"

WB Sta. 220+24 to Sta. 230+62

SUPERELEVATION TRANSITION **4**-**1**  
WB Sta. 230+62 to Sta. 233+02

SUPERELEVATION TRANSITION **2**-**4**  
EB Sta. 217+84 to Sta. 220+24  
(Existing Resurfacing ENDS EB Sta 219+14.5)

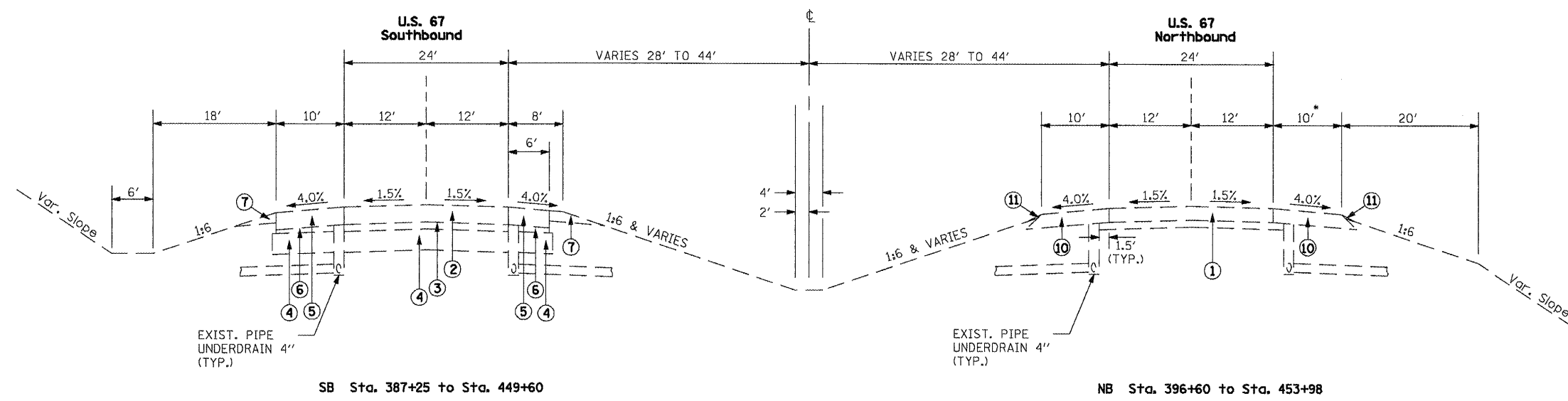
EB Sta. 220+24 to Sta. 230+62

SUPERELEVATION TRANSITION **4**-**1**  
EB Sta. 230+62 to Sta. 233+02

- 1 EXISTING CONTINUOUSLY REINFORCED P. C. C. PAVEMENT 8" (1975)
- 2 EXISTING STABILIZED SUB-BASE ON EARTH BASE 4"
- 3 EXISTING GRANULAR SUB-BASE 8" OR 12" (SPOT LOCATIONS)
- 4 EXISTING HMA CONCRETE 2 1/2" (DATE UNKNOWN)
- 5 EXISTING HMA BINDER COURSE 1 3/4" (1996)
- 6 EXISTING HMA SURFACE COURSE 1 1/2" (1996)
- 7 EXISTING HMA SHOULDER
- 8 EXISTING HMA SHOULDER 1 1/2" (1996)
- 9 EXISTING HMA SHOULDER 3 1/4" (1996)
- 10 EXISTING AGGREGATE SHOULDER, TYPE B
  
- 20 PROPOSED HMA SURFACE REMOVAL 1 1/2"
- 21 PROPOSED HMA SURFACE REMOVAL 2 1/4"
- 22 PROPOSED HMA SURFACE REMOVAL 3 1/4"
- 23 PROPOSED HMA SURFACE REMOVAL 4"
- 24 PROPOSED BITUMINOUS MATERIALS (PRIMECOAT)
- 25 PROPOSED AGGREGATE (PRIMECOAT)
- 26 PROPOSED HMA BINDER COURSE (2 1/4")
- 27 PROPOSED HMA SURFACE COURSE (1 1/2")
- 28 PROPOSED HMA SHOULDERS (2")
- 29 PROPOSED AGGREGATE SHOULDER, TYPE B

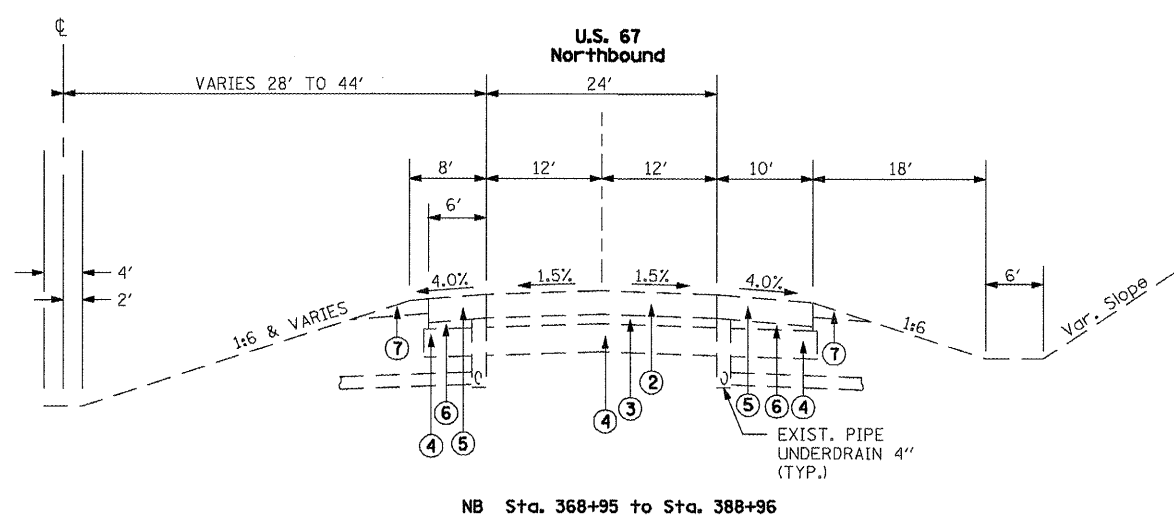
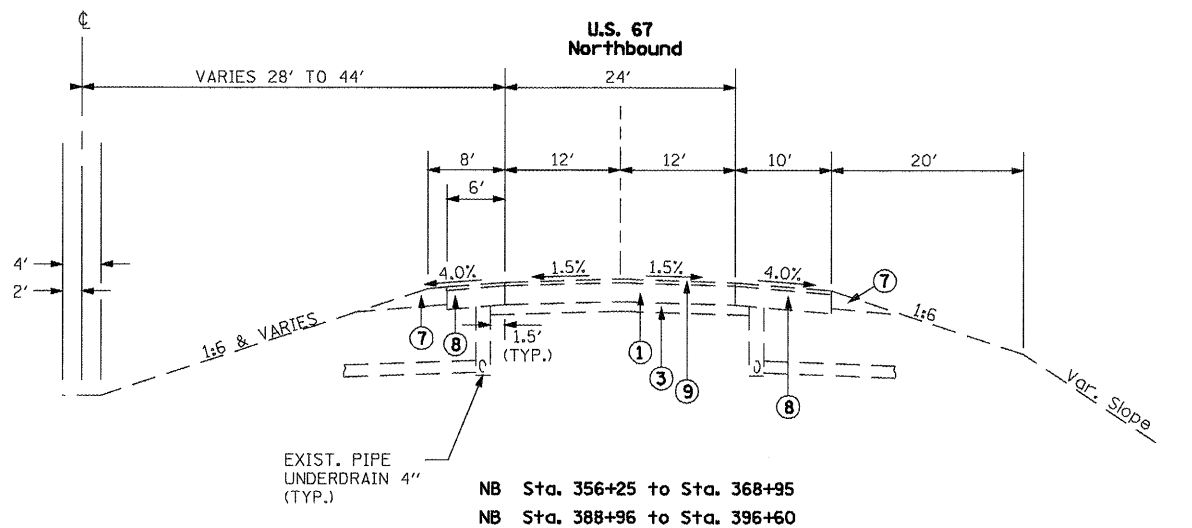
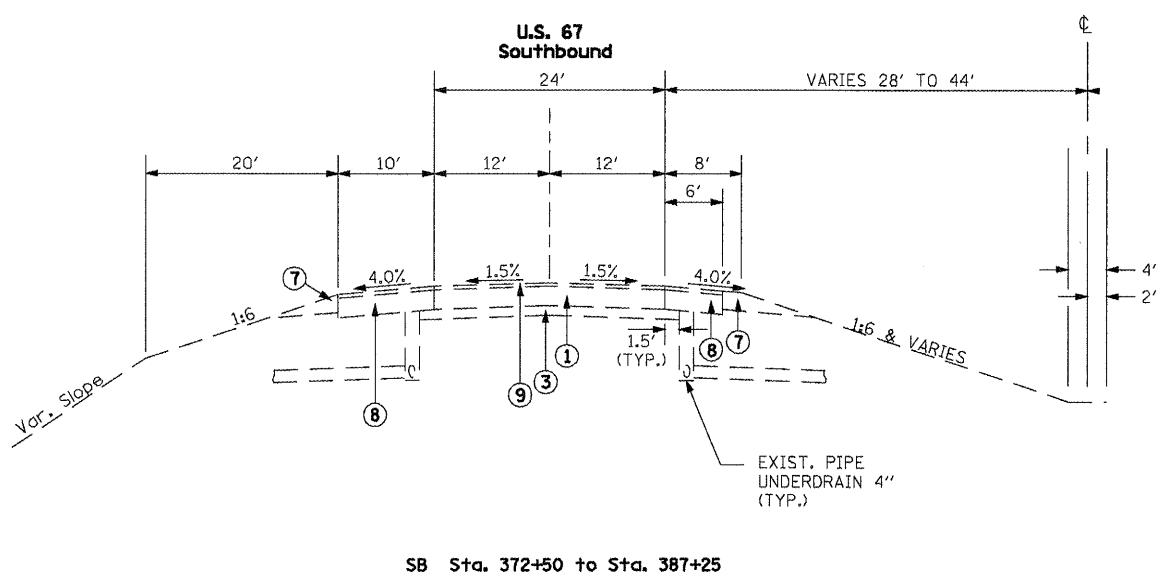
• 86-10RS-3, 69-6RS-2, 69-1RS  
•• SCOTT, MORGAN

|   |                                    |            |           |   |   |           |           |                           |         |        |              |           |
|---|------------------------------------|------------|-----------|---|---|-----------|-----------|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = laughlinr1             | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING FAI 72 TYPICAL SECTIONS</b> |           |           | F.A.I. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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|   |                                    | DATE       | REVISED - |   | SCALE:                                  | SHEET NO. | OF SHEETS | STA.                      | TO STA. |        |              |           |



- 1 EXISTING CONTINUOUSLY REINFORCED P. C. C. PAVEMENT 8"
- 2 EXISTING P. C. C. PAVEMENT (JOINTED) 10"
- 3 EXISTING STABILIZED SUB-BASE 4"
- 4 EXISTING LIME MODIFIED SOILS 12"
- 5 EXISTING P. C. C. SHOULDERS 10"
- 6 EXISTING SUBBASE GRANULAR MATERIAL, TYPE C
- 7 EXISTING AGGREGATE SHOULDER, TYPE A 6"
- 8 EXISTING P. C. C. SHOULDERS 8"
- 9 EXISTING HMA RESURFACING (THICKNESS VARIES 1 1/4" TO 3")
- 10 EXISTING HMA SHOULDERS 8"
- 11 EXISTING AGGREGATE SHOULDERS
  
- 20 PROPOSED BITUMINOUS MATERIALS (PRIMECOAT)
- 21 PROPOSED AGGREGATE (PRIMECOAT)
- 22 PROPOSED HMA BINDER COURSE (2 1/4")
- 23 PROPOSED HMA SURFACE COURSE (1 1/2")
- 24 PROPOSED HMA SHOULDERS (3 3/4")
- 25 PROPOSED AGGREGATE SHOULDER, TYPE B
- 26 PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH

• NB Sta. 451+64 to Sta. 453+98  
 P.C.C. SHOULDERS 10"



• 86-10RS-3, 69-6RS-2, 69-1RS  
 \*\* SCOTT, MORGAN

|  |                        |            |           |
|--|------------------------|------------|-----------|
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|  |                        | CHECKED -  | REVISED - |
|  |                        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

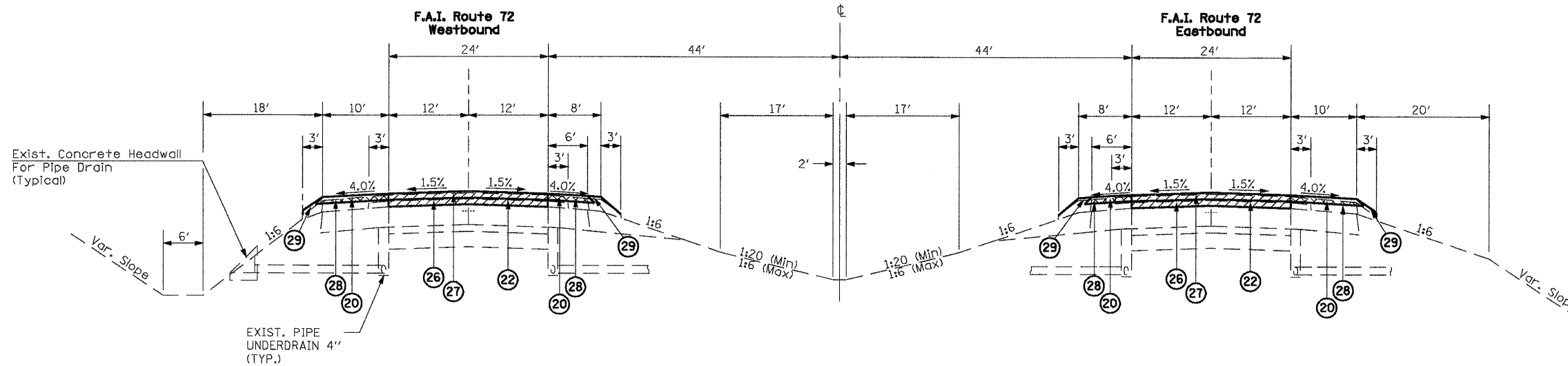
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| <b>EXISTING US 67 TYPICAL SECTIONS</b> |           |           |              |
| SCALE:                                 | SHEET NO. | OF SHEETS | STA. TO STA. |

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A.I. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 72                        | *       | **     | 48           | 12        |
| CONTRACT NO. 72A16        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

NOTE: PROPOSED BINDER COURSE MAY NEED TO BE REDUCED IN THICKNESS TO MAINTAIN A 16' 0" MIN. CLEARANCE AT THE FOLLOWING LOCATIONS:

STA. 143+90.97 (T.R. 128)  
 STA. 334+91.02 (T.R. 50)  
 STA. 394+00.00 (C.H. 23)

THE CONTRACTOR SHALL VERIFY BRIDGE CLEARANCES BEFORE RESURFACING.



WB Sta. 107+16.06 to Sta. 191+75  
 WB Sta. 207+65 to Sta. 217+84  
 WB Sta. 233+02 to Sta. 343+79  
 WB Sta. 427+15.94 to Sta. 443+19.48

EQUATION: P.I. Sta. 443+19.48 BK  
 P.I. Sta. 10+03.94 AHD.

WB Sta. 10+03.94 to Sta. 22+74.37

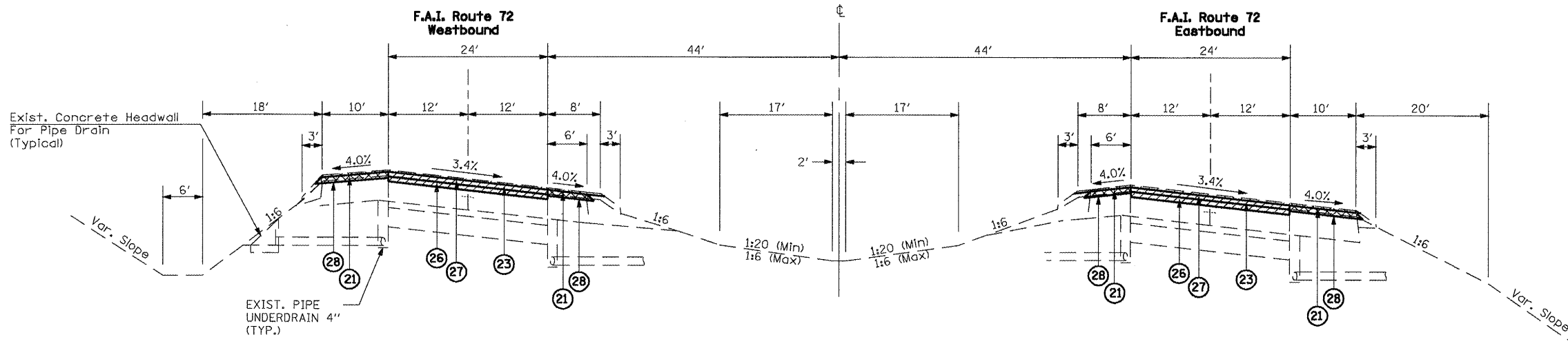
**1** TYPICAL TANGENT SECTION  
 EXISTING HMA 3 1/4"

EB Sta. 106+86.47 to Sta. 189+84.28  
 EB Sta. 233+02 to Sta. 338+77  
 EB Sta. 426+87.44 to Sta. 443+19.48

EQUATION: P.I. Sta. 443+19.48 BK  
 P.I. Sta. 10+03.94 AHD.

EB Sta. 10+03.94 to Sta. 26+47.25

- 1 EXISTING CONTINUOUSLY REINFORCED P.C.C. PAVEMENT 8" (1975)
- 2 EXISTING STABILIZED SUB-BASE ON EARTH BASE 4"
- 3 EXISTING GRANULAR SUB-BASE 8" OR 12" (SPOT LOCATIONS)
- 4 EXISTING HMA CONCRETE 2 1/2" (DATE UNKNOWN)
- 5 EXISTING HMA BINDER COURSE 1 3/4" (1996)
- 6 EXISTING HMA SURFACE COURSE 1 1/2" (1996)
- 7 EXISTING HMA SHOULDER
- 8 EXISTING HMA SHOULDER 1 1/2" (1996)
- 9 EXISTING HMA SHOULDER 3 1/4" (1996)
- 10 EXISTING AGGREGATE SHOULDER, TYPE B



SUPERELEVATION TRANSITION **1-3**  
 WB Sta. 191+75 to Sta. 194+15  
 (Existing Resurfacing BEGINS WB Sta 192+35)

WB Sta. 194+15 to Sta. 199+17.81  
 OMISSION STA. 199+17.81 TO STA. 201+33.78  
 WB Sta. 201+33.78 to Sta. 204+27

SUPERELEVATION TRANSITION **3-2**  
 WB Sta. 204+27 to Sta. 206+67

**3** PROPOSED SUPERELEVATED SECTION  
 EXISTING HMA 4"

SUPERELEVATION TRANSITION **2-3**  
 EB Sta. 191+75 to Sta. 194+15

WB Sta. 194+15 to Sta. 198+64.60  
 OMISSION STA. 198+64.60 TO STA. 200+82.53  
 WB Sta. 200+82.53 to Sta. 204+27

SUPERELEVATION TRANSITION **3-2**  
 WB Sta. 204+27 to Sta. 206+67

- 20 PROPOSED HMA SURFACE REMOVAL 1 1/2"
- 21 PROPOSED HMA SURFACE REMOVAL 2 1/4"
- 22 PROPOSED HMA SURFACE REMOVAL 3 1/4"
- 23 PROPOSED HMA SURFACE REMOVAL 4"
- 24 PROPOSED BITUMINOUS MATERIALS (PRIMECOAT)
- 25 PROPOSED AGGREGATE (PRIMECOAT)
- 26 PROPOSED HMA BINDER COURSE (2 1/4")
- 27 PROPOSED HMA SURFACE COURSE (1 1/2")
- 28 PROPOSED HMA SHOULDERS (2")
- 29 PROPOSED AGGREGATE SHOULDER, TYPE B

- (24) & (25) - TO BE APPLIED TO ALL MILLED SURFACES
- (Hatched pattern) - EXISTING SURFACE REMOVAL
- (Cross-hatched pattern) - EXISTING SHOULDER REMOVAL

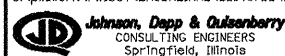
• 86-10RS-3, 69-6RS-2, 69-1RS  
 \*\* SCOTT, MORGAN

|  |                        |            |           |
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| FILE NAME =  | USER NAME = laughlinr1 | DESIGNED - | REVISED - |
| er\pwwork\PMIDOT\LAUGHLINR1\d0196708\072A16-sh-typical.dgn |                        | DRAWN -    | REVISED - |
|  |                        | CHECKED -  | REVISED - |
|  |                        | DATE -     | REVISED - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

|                                  |           |           |              |
|----------------------------------|-----------|-----------|--------------|
| PROPOSED FAI 72 TYPICAL SECTIONS |           |           |              |
| SCALE:                           | SHEET NO. | OF SHEETS | STA. TO STA. |

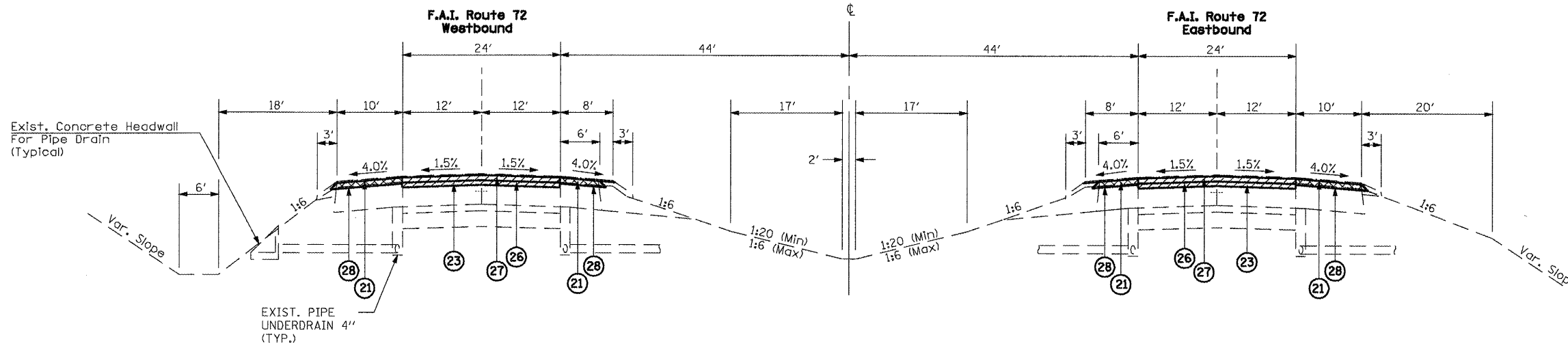
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| F.A.I. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| T2                        | *       | **     | 48           | 13        |
| CONTRACT NO. 72A16        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



NOTE: PROPOSED BINDER COURSE MAY NEED TO BE REDUCED IN THICKNESS TO MAINTAIN A 16' 0" MIN. CLEARANCE AT THE FOLLOWING LOCATIONS:

STA. 143+90.97 (T.R. 128)  
 STA. 334+91.02 (T.R. 50)  
 STA. 394+00.00 (C.H. 23)

THE CONTRACTOR SHALL VERIFY BRIDGE CLEARANCES BEFORE RESURFACING.

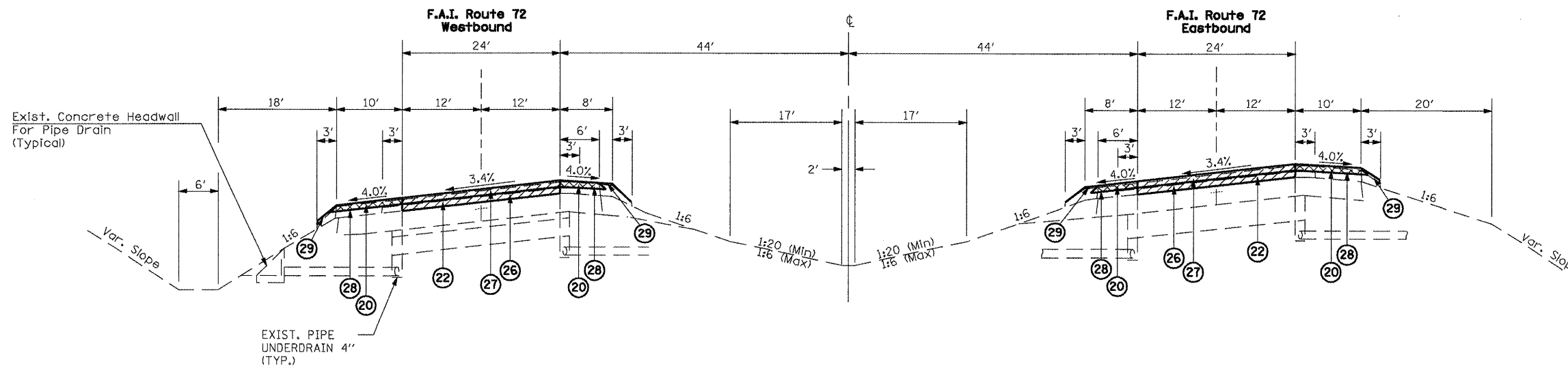


WB Sta. 206+67 to Sta. 207+65  
 WB Sta. 343+79 to Sta. 427+15.94

**2** TYPICAL TANGENT SECTION  
 EXISTING HMA 4"

EB Sta. 189+84.28 to Sta. 191+75  
 EB Sta. 206+67 to Sta. 217+84  
 EB Sta. 338+77 to Sta. 426+87.44

- 1 EXISTING CONTINUOUSLY REINFORCED P.C.C. PAVEMENT 8" (1975)
- 2 EXISTING STABILIZED SUB-BASE ON EARTH BASE 4"
- 3 EXISTING GRANULAR SUB-BASE 8" OR 12" (SPOT LOCATIONS)
- 4 EXISTING HMA CONCRETE 2 1/2" (DATE UNKNOWN)
- 5 EXISTING HMA BINDER COURSE 1 3/4" (1996)
- 6 EXISTING HMA SURFACE COURSE 1 1/2" (1996)
- 7 EXISTING HMA SHOULDER
- 8 EXISTING HMA SHOULDER 1 1/2" (1996)
- 9 EXISTING HMA SHOULDER 3 1/4" (1996)
- 10 EXISTING AGGREGATE SHOULDER, TYPE B



SUPERELEVATION TRANSITION **1**-**4**  
 WB Sta. 217+84 to Sta. 220+24

**4** EXISTING SUPERELEVATED SECTION  
 EXISTING HMA 3 1/4"

WB Sta. 220+24 to Sta. 230+62

SUPERELEVATION TRANSITION **4**-**1**  
 WB Sta. 230+62 to Sta. 233+02

SUPERELEVATION TRANSITION **2**-**4**  
 EB Sta. 217+84 to Sta. 220+24  
 (Existing Resurfacing ENDS EB Sta 219+14.5)

EB Sta. 220+24 to Sta. 230+62

SUPERELEVATION TRANSITION **4**-**1**  
 EB Sta. 230+62 to Sta. 233+02

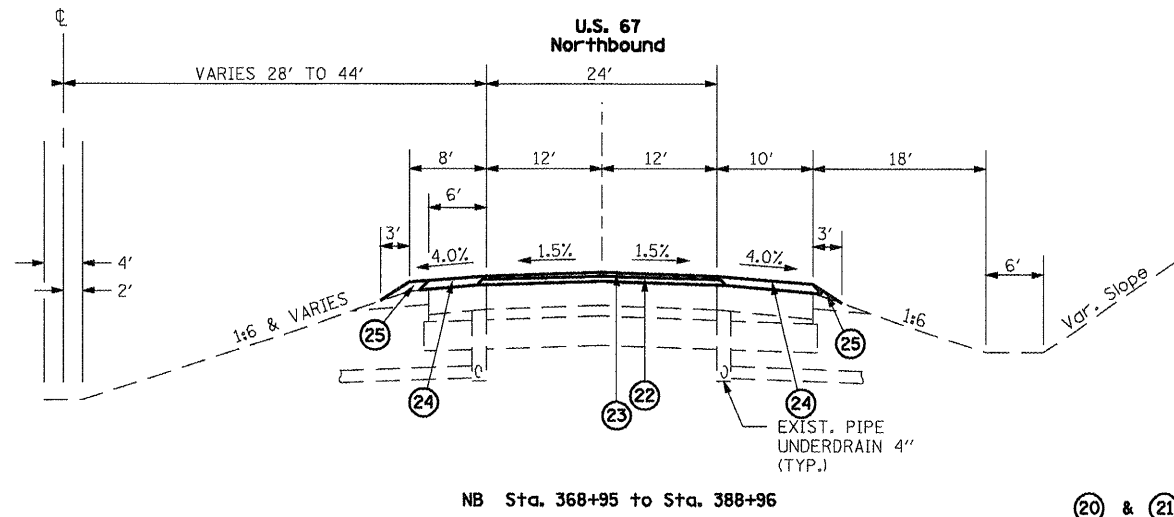
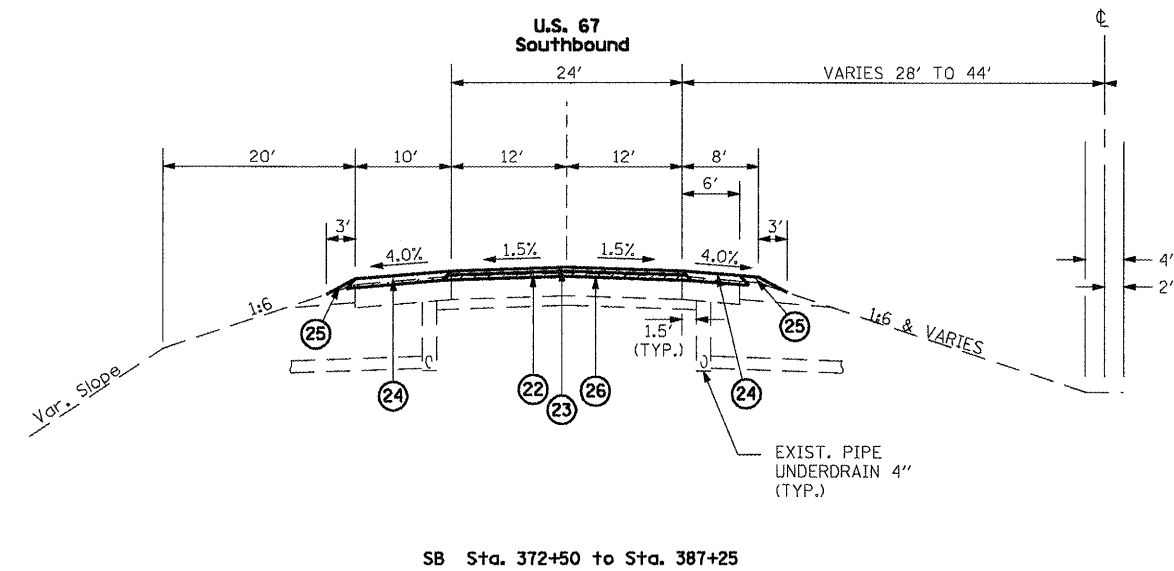
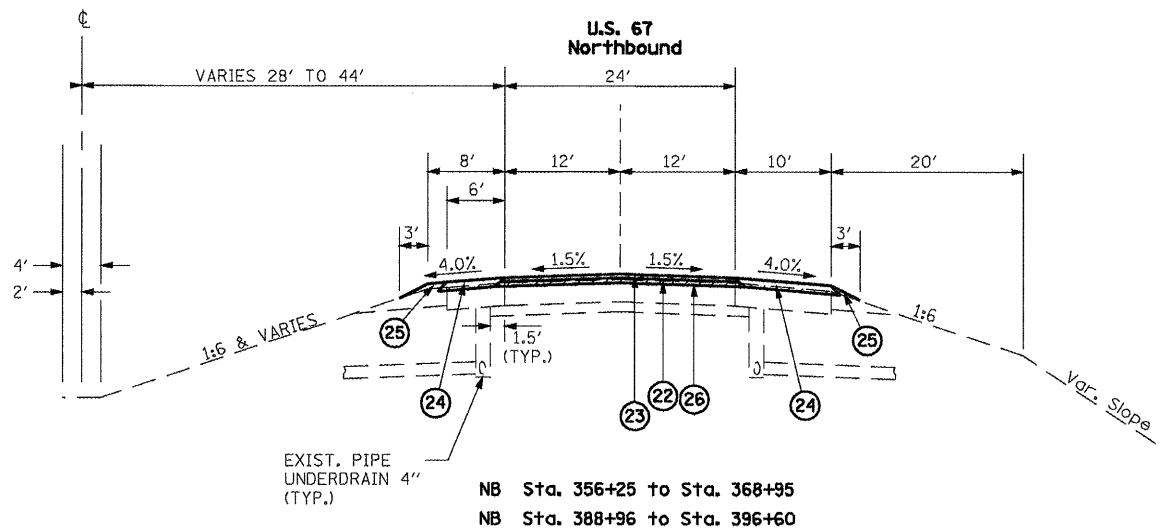
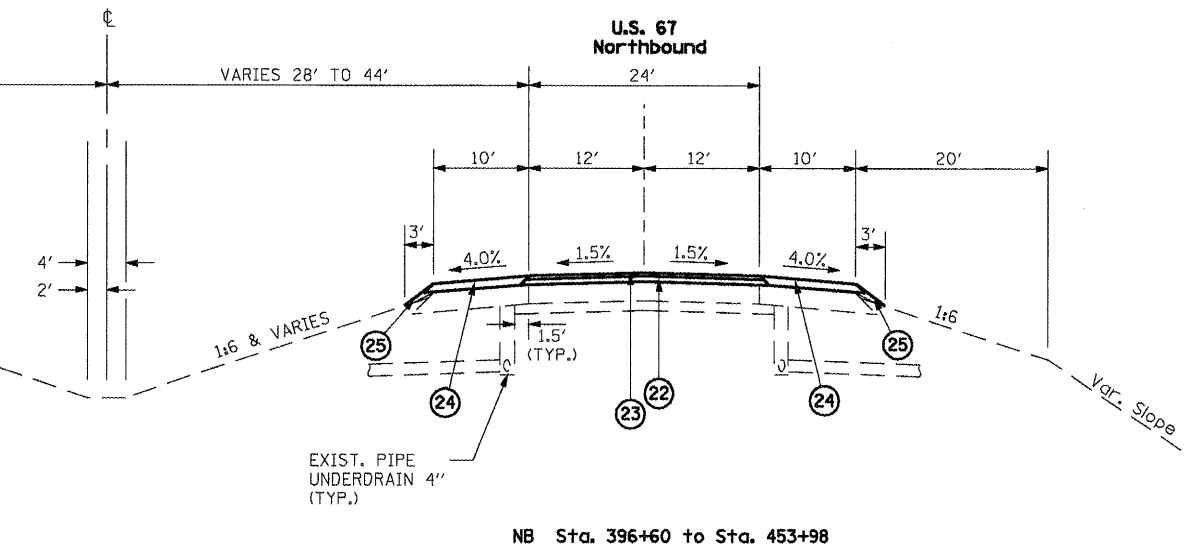
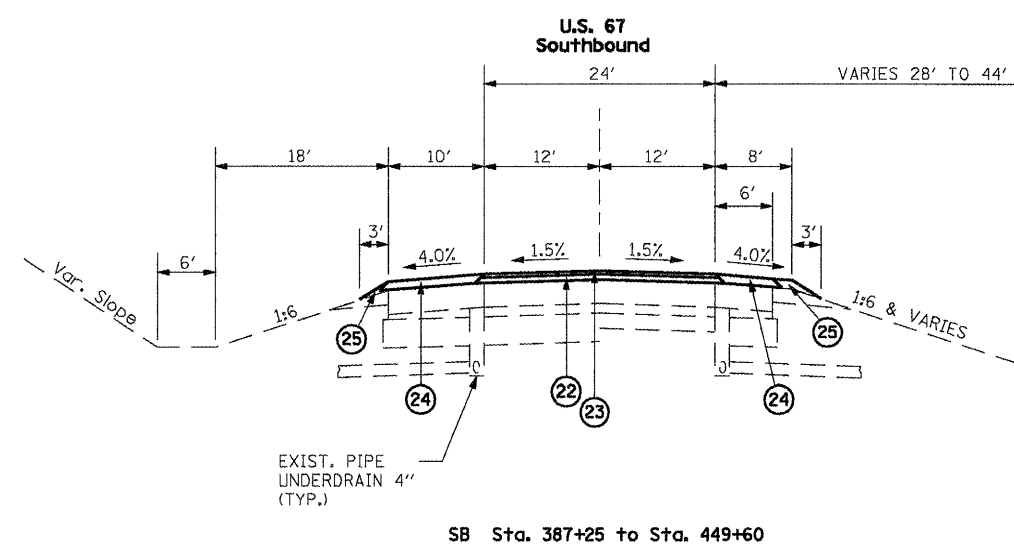
- 24** & **25** - TO BE APPLIED TO ALL MILLED SURFACES
- EXISTING SURFACE REMOVAL
- EXISTING SHOULDER REMOVAL

• 86-10RS-3, 69-6RS-2, 69-1RS  
 \*\* SCOTT, MORGAN

|                                    |                        |            |           |   |   |         |        |                           |           |
|------------------------------------|------------------------|------------|-----------|---|---|---------|--------|---------------------------|-----------|
| FILE NAME =                        | USER NAME = laughlinr1 | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED FAI 72 TYPICAL SECTIONS</b> |         |        |                           |           |
| 72A16-ahs-typical.dgn              |                        | DRAWN -    | REVISED - |   | F.A.I. RTE.                             | SECTION | COUNTY | TOTAL SHEETS              | SHEET NO. |
| PLOT SCALE = 20.000' / IN.         |                        | CHECKED -  | REVISED - |   | 72                                      | .       | **     | 48                        | 14        |
| PLOT DATE = Apr-26-2010 10:24:34AM |                        | DATE -     | REVISED - |   | CONTRACT NO. 72A16                      |         |        |                           |           |
|                                    |                        |            |           | SCALE:  | SHEET NO.                               | OF      | SHEETS | STA.                      | TO STA.   |
|                                    |                        |            |           |   |   |         |        | ILLINOIS FED. AID PROJECT |           |



- 1 EXISTING CONTINUOUSLY REINFORCED P.C.C. PAVEMENT 8"
- 2 EXISTING P.C.C. PAVEMENT (JOINTED) 10"
- 3 EXISTING STABILIZED SUB-BASE 4"
- 4 EXISTING LIME MODIFIED SOILS 12"
- 5 EXISTING P.C.C. SHOULDERS 10"
- 6 EXISTING SUBBASE GRANULAR MATERIAL, TYPE C
- 7 EXISTING AGGREGATE SHOULDER, TYPE A 6"
- 8 EXISTING P.C.C. SHOULDERS 8"
- 9 EXISTING HMA RESURFACING (THICKNESS VARIES 1 1/4" TO 3")
- 10 EXISTING HMA SHOULDERS 8"
- 11 EXISTING AGGREGATE SHOULDERS
  
- 20 PROPOSED BITUMINOUS MATERIALS (PRIMECOAT)
- 21 PROPOSED AGGREGATE (PRIMECOAT)
- 22 PROPOSED HMA BINDER COURSE (2 1/4")
- 23 PROPOSED HMA SURFACE COURSE (1 1/2")
- 24 PROPOSED HMA SHOULDERS (3 3/4")
- 25 PROPOSED AGGREGATE SHOULDER, TYPE B
- 26 PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH (REMOVE DOWN TO ORIGINAL PCC SURFACE.)



②① & ②① - TO BE APPLIED TO ALL EXISTING HMA SURFACES  
• 86-10RS-3, 69-6RS-2, 69-1RS  
• SCOTT, MORGAN

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED US 67 TYPICAL SECTIONS

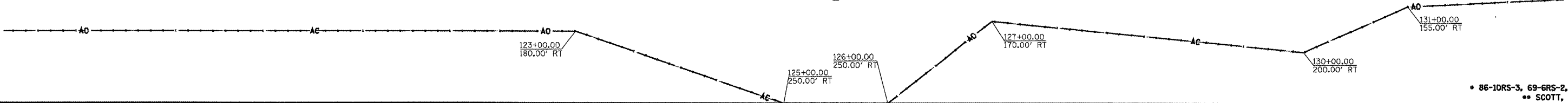
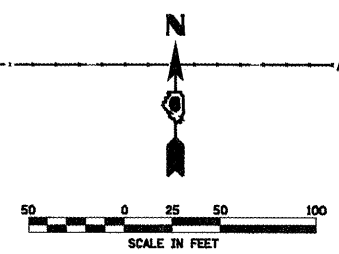
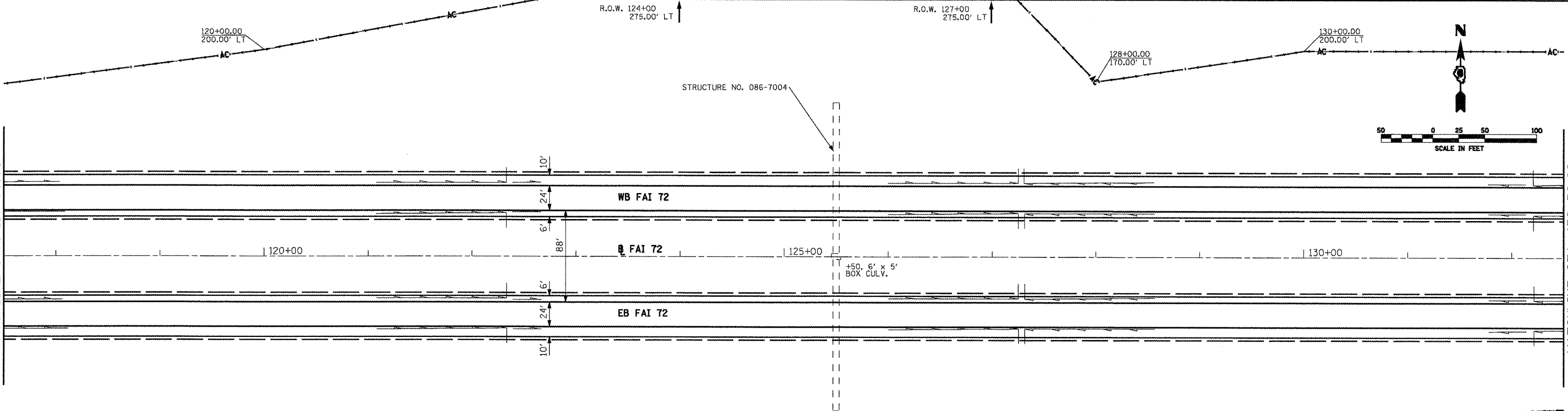
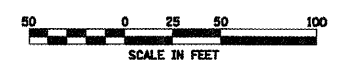
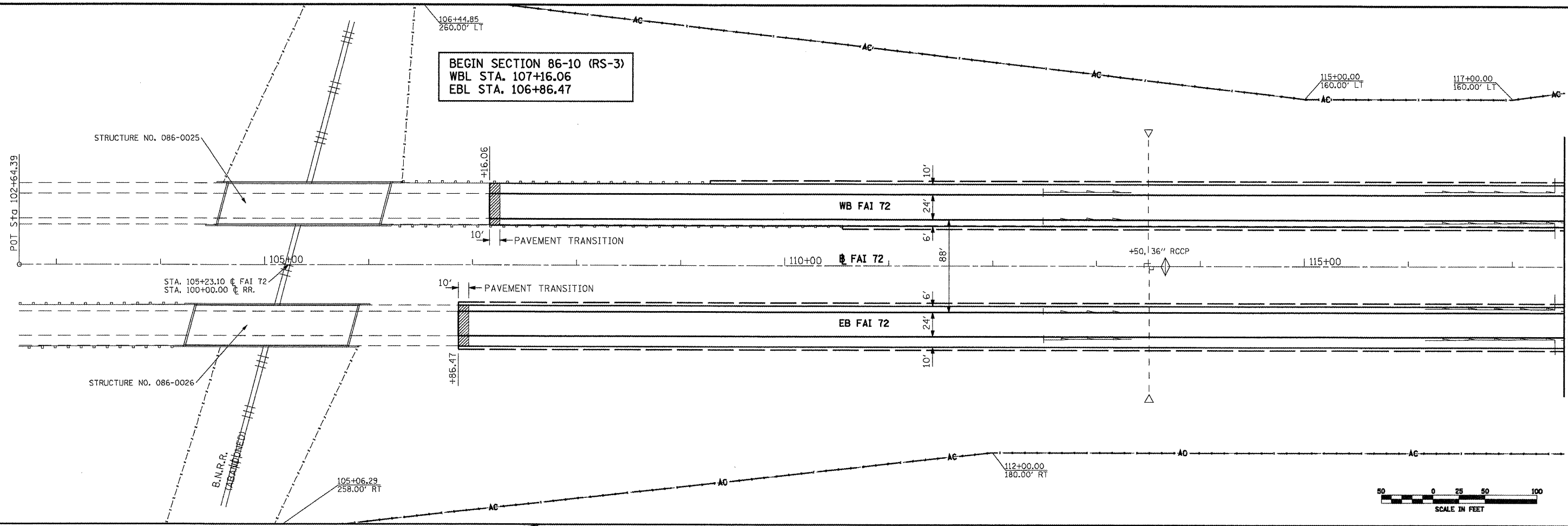
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|  |                        | CHECKED -  | REVISED - |
|  |                        | DATE -     | REVISED - |



|        |           |    |        |      |         |
|--------|-----------|----|--------|------|---------|
| SCALE: | SHEET NO. | OF | SHEETS | STA. | TO STA. |
|--------|-----------|----|--------|------|---------|

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A.I. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 72                        |         | **     | 48           | 15        |
| CONTRACT NO. 72A16        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

BEGIN SECTION 86-10 (RS-3)  
 WBL STA. 107+16.06  
 EBL STA. 106+86.47



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

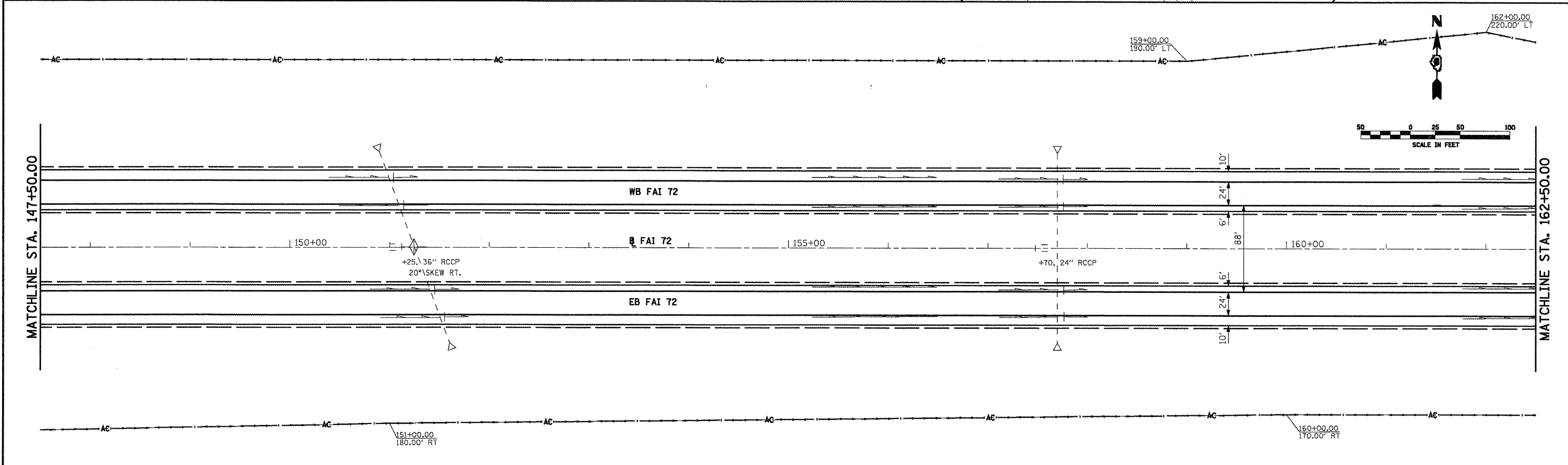
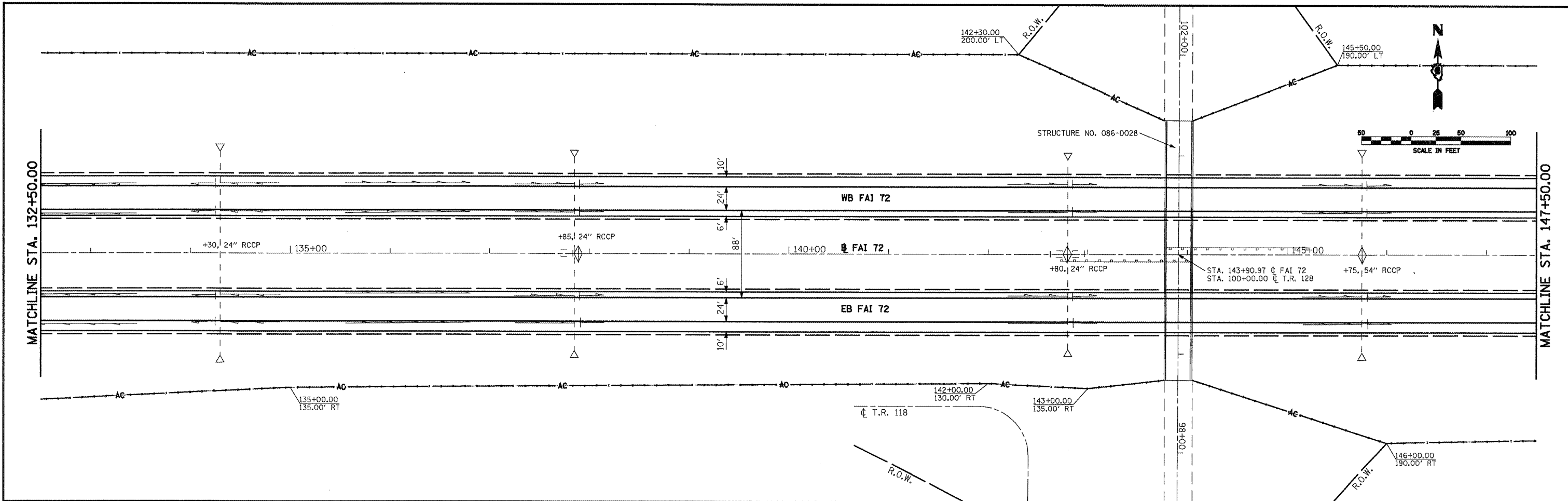
PLAN SHEET FAI 72

|   |                                    |            |           |
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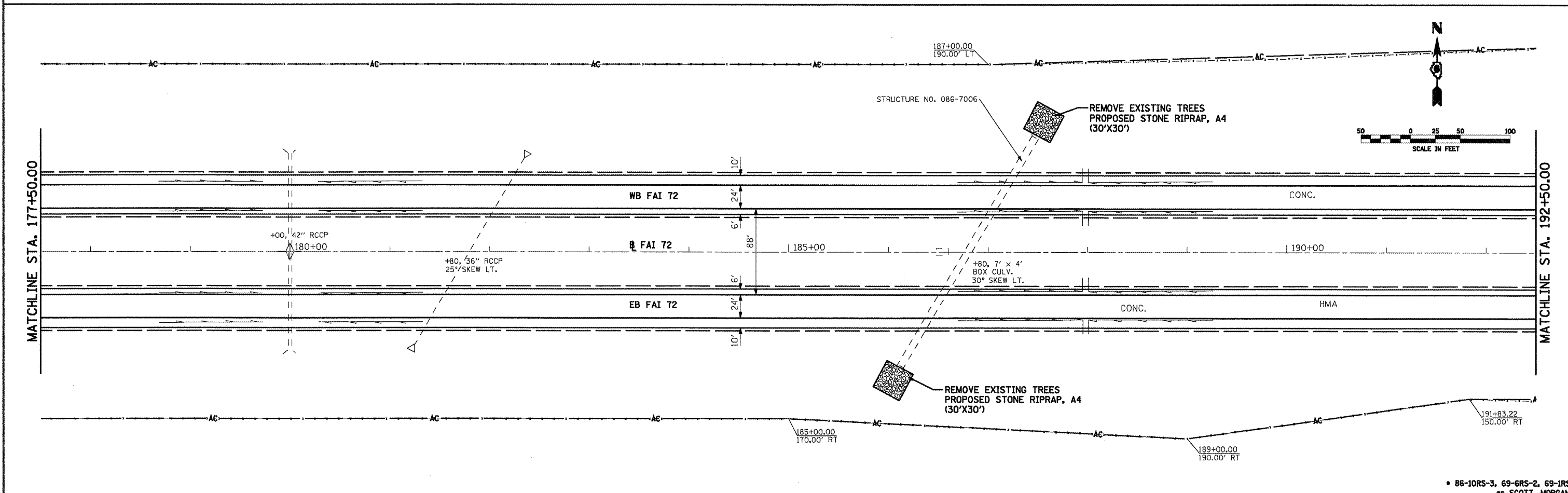
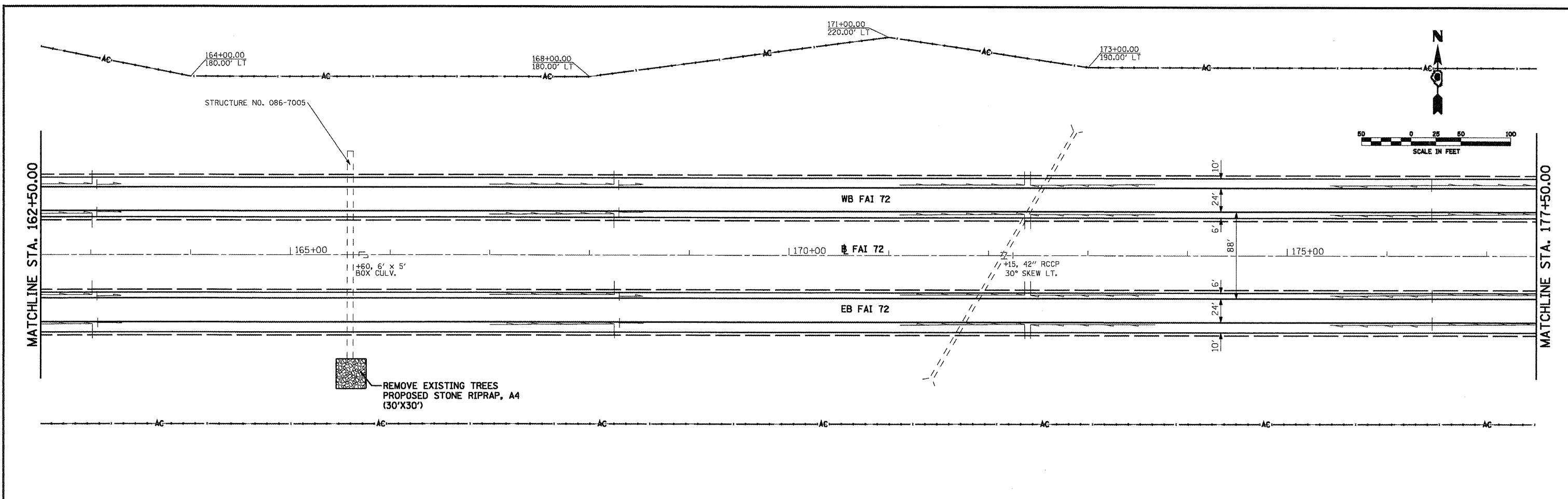
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| SCALE: | SHEET NO. | OF SHEETS | STA. | TO STA. |
|        |           |           |      |         |

|                    |         |        |                           |           |
|--------------------|---------|--------|---------------------------|-----------|
| F.A.I. RTE.        | SECTION | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 72                 |         |        | 48                        | 16        |
| CONTRACT NO. 72A16 |         |        | ILLINOIS FED. AID PROJECT |           |

86-10RS-3, 69-GRS-2, 69-IRS  
 SCOTT, MORGAN

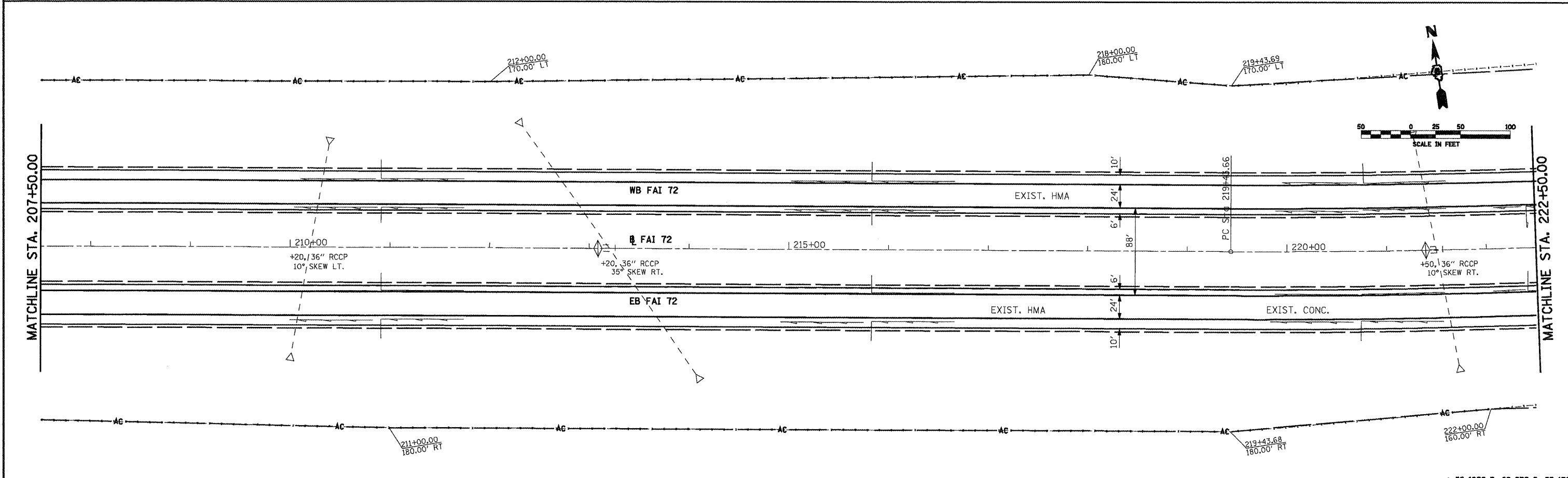
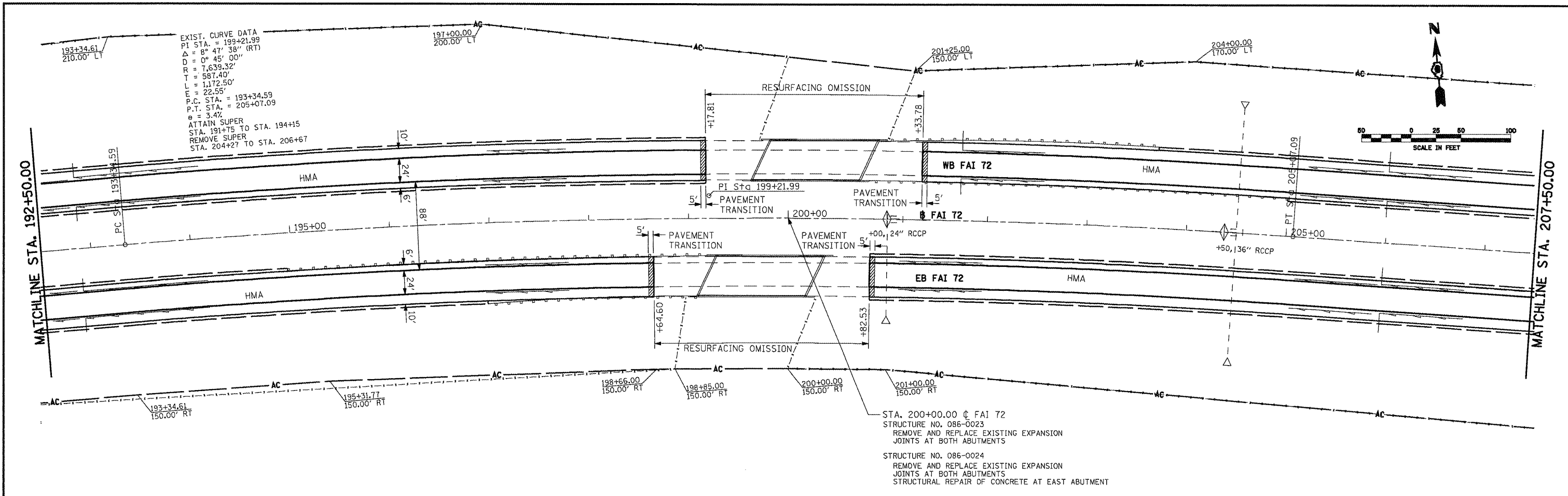


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| Johnson, Depp & Outenberry<br>CONSULTING ENGINEERS<br>Springfield, Illinois | PLOT SCALE = 100.0000' / IN.       | CHECKED -  | REVISED - |   | SCALE: SHEET NO. OF SHEETS STA. TO STA.         |   | CONTRACT NO. 72A16 |         | ILLINOIS FED. AID PROJECT |              |           |
|   | PLOT DATE = Apr-06-2010 10:25:13AM | DATE -     | REVISED - |   | 86-10RS-3, 69-6RS-2, 69-IRS<br>.. SCOTT, MORGAN |   | ..                 |         |                           |              |           |



|  |  |                        |  |  |   |                          |  |                           |             |            |                    |                 |
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| PLOT SCALE = 100.0000' / IN.<br>PLOT DATE = Apr-06-2010 10:25:31AM       |  | DATE -                 | SCALE: SHEET NO. OF SHEETS STA. TO STA.      |  |   | CONTRACT NO. 72A16       |  | ILLINOIS FED. AID PROJECT |             |            |                    |                 |

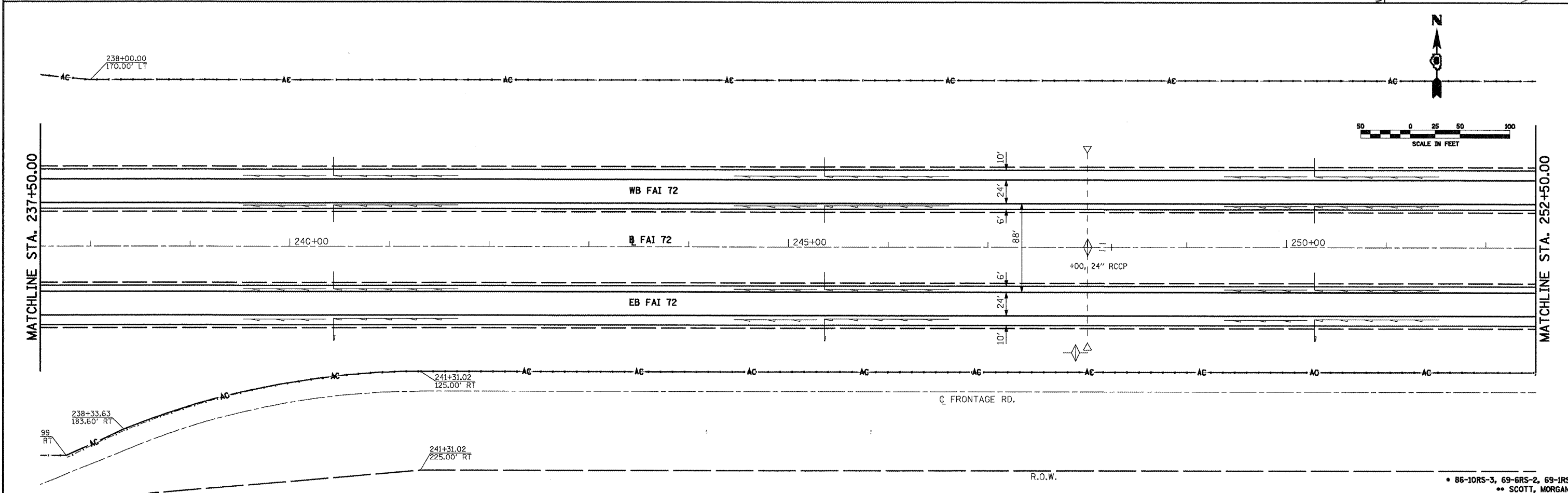
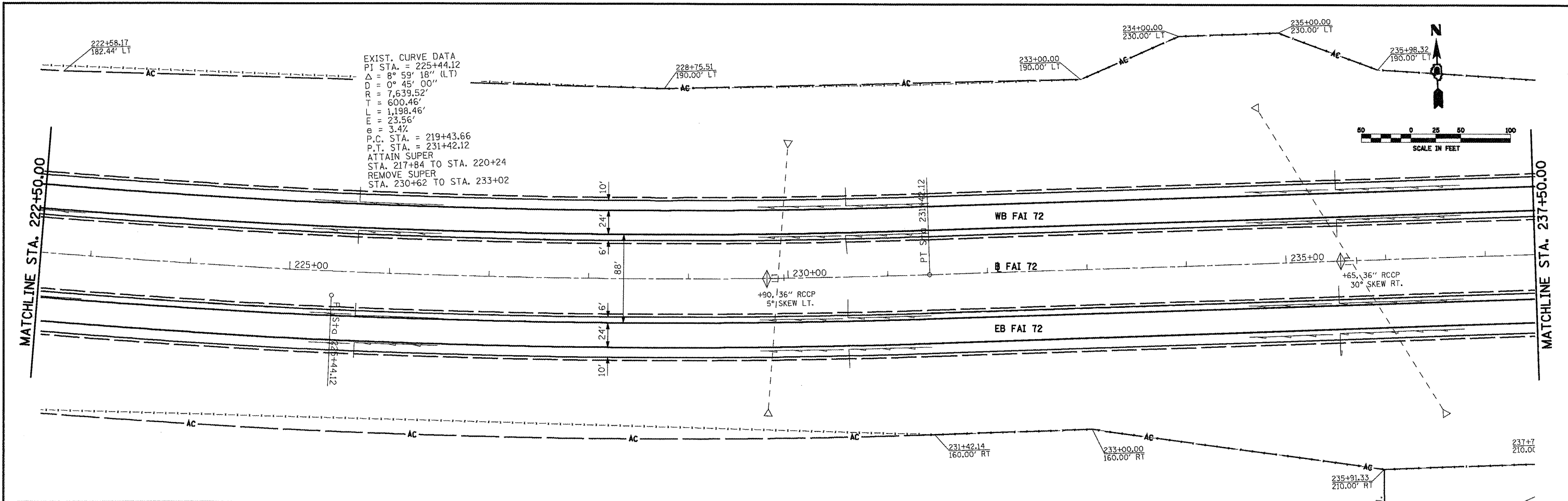
• 86-10RS-3, 69-GRS-2, 69-IRS  
• SCOTT, MORGAN



|  |                                    |            |           |   |                           |           |           |                   |              |                    |                    |                 |
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| FILE NAME =  | USER NAME = laughtnrl              | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN SHEET FAI 72</b>  |           |           | F.A.J. RTE.<br>72 | SECTION<br>. | COUNTY<br>.        | TOTAL SHEETS<br>48 | SHEET NO.<br>19 |
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|  | PLOT DATE = Apr-26-2010 10:25:49AM | CHECKED -  | REVISED - |   | ILLINOIS FED. AID PROJECT |           |           |                   |              |                    |                    |                 |
|  |                                    | DATE -     | REVISED - |   |                           |           |           |                   |              |                    |                    |                 |

• 86-10RS-3, 69-6RS-2, 69-IRS  
 •• SCOTT, MORGAN

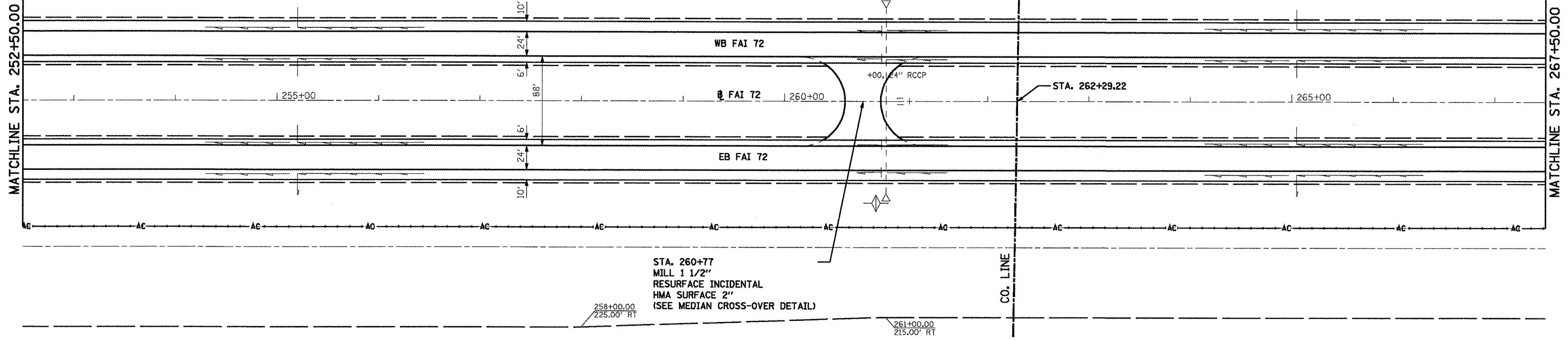
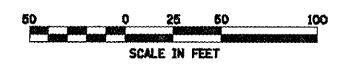




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| Johnson, Depp & Ouisenberry<br>CONSULTING ENGINEERS<br>Springfield, Illinois | PLT SCALE = 1/8" = 100'-0"        | DRAWN -    | REVISED - |   |   |  |  | SCALE: SHEET NO. OF SHEETS STA. TO STA. |         |              | CONTRACT NO. 72A16 |                 |
|  | PLT DATE = Apr-08-2010 10:26:10AM | CHECKED -  | REVISED - |   | • 86-10RS-3, 69-6RS-2, 69-IRS<br>** SCOTT, MORGAN |  |  |   |         |              |                    |                 |
|  |                                   | DATE -     | REVISED - |   | ILLINOIS FED. AID PROJECT                         |  |  |   |         |              |                    |                 |

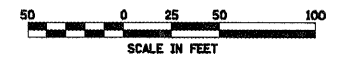
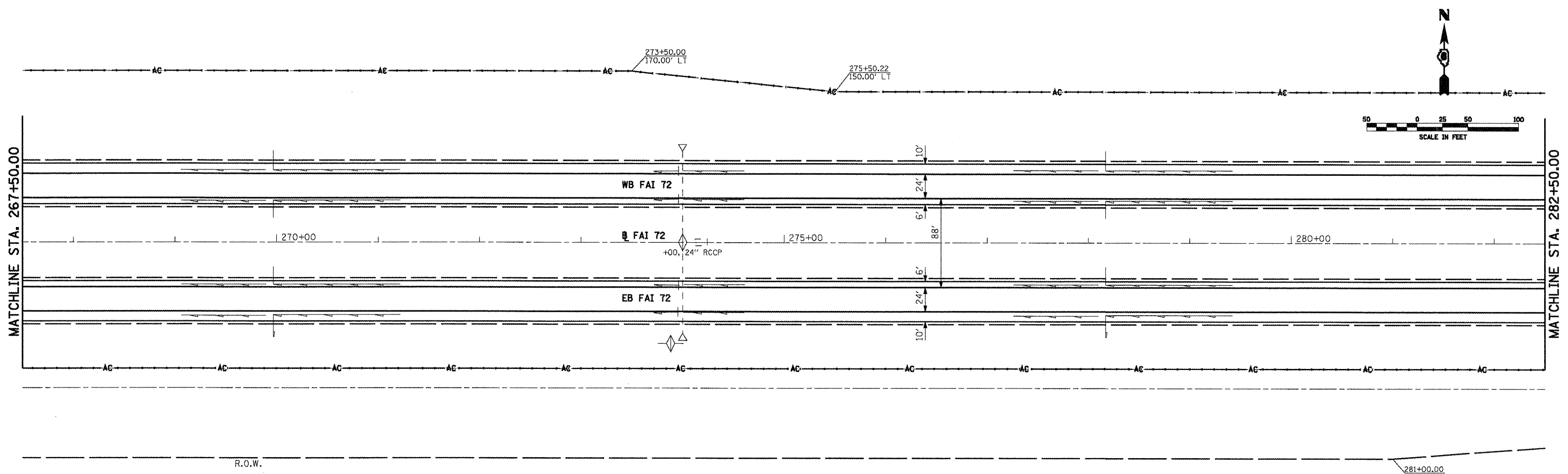
END SECTION 86-10 (RS-3)    BEGIN SECTION 69-6 (RS-2)

SCOTT COUNTY    MORGAN COUNTY



STA. 260+77  
MILL 1 1/2"  
RESURFACE INCIDENTAL  
HMA SURFACE 2"  
(SEE MEDIAN CROSS-OVER DETAIL)

CO. LINE



R.O.W.

281+00.00  
215.00' RT    • 86-10RS-3, 69-6RS-2, 69-1RS  
•• SCOTT, MORGAN

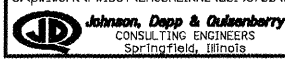
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| 872A16-SHT-plan1.dgn                                 |                     | DRAWN -    | REVISED - |
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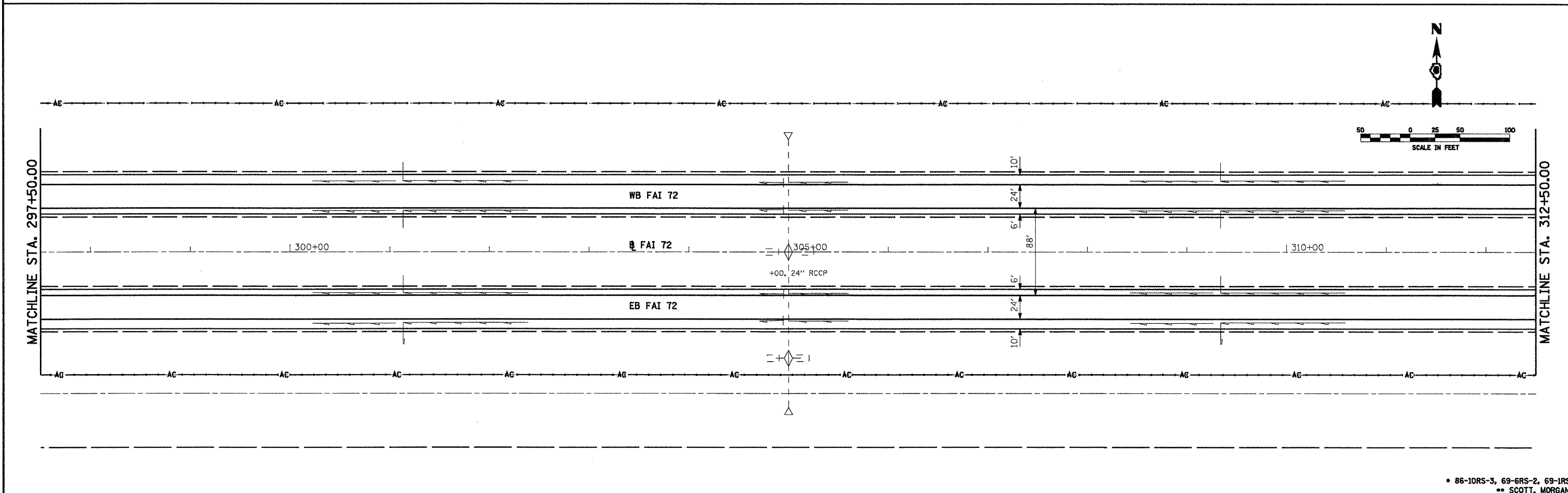
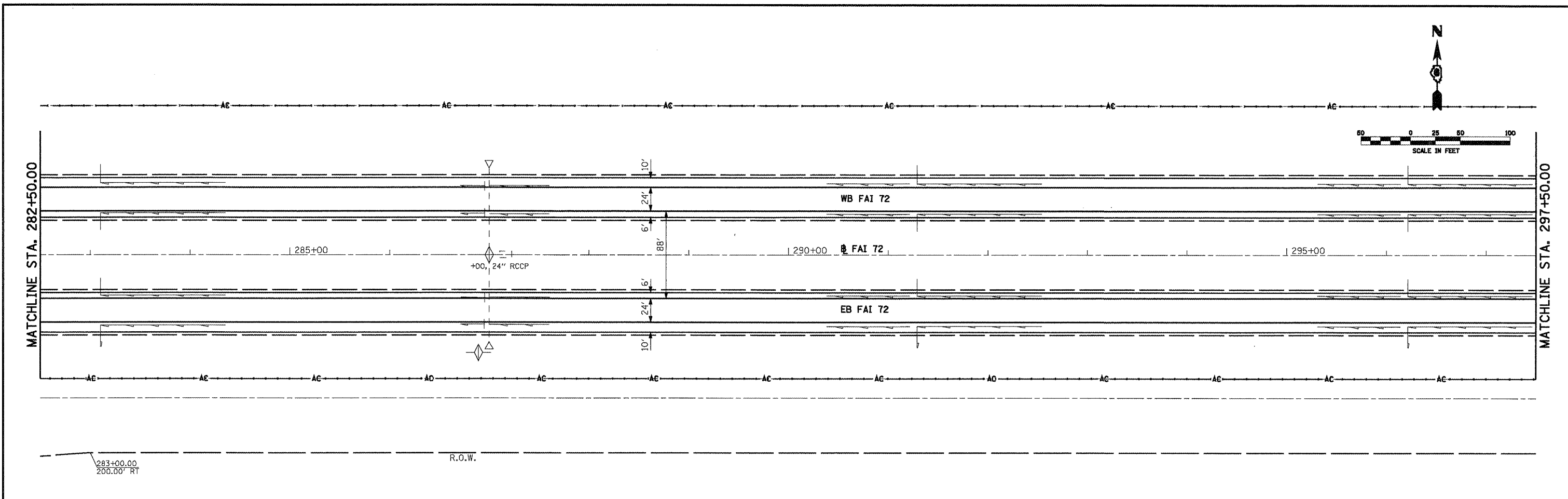
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET FAI 72**

SCALE:      SHEET NO.    OF    SHEETS    STA.      TO STA.

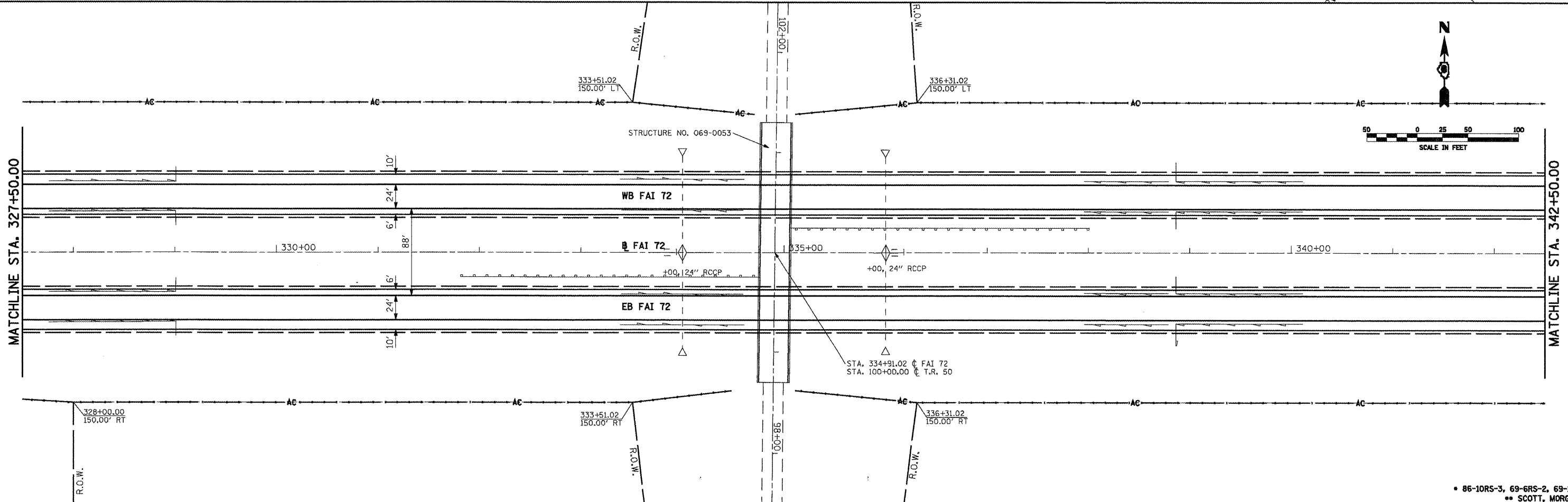
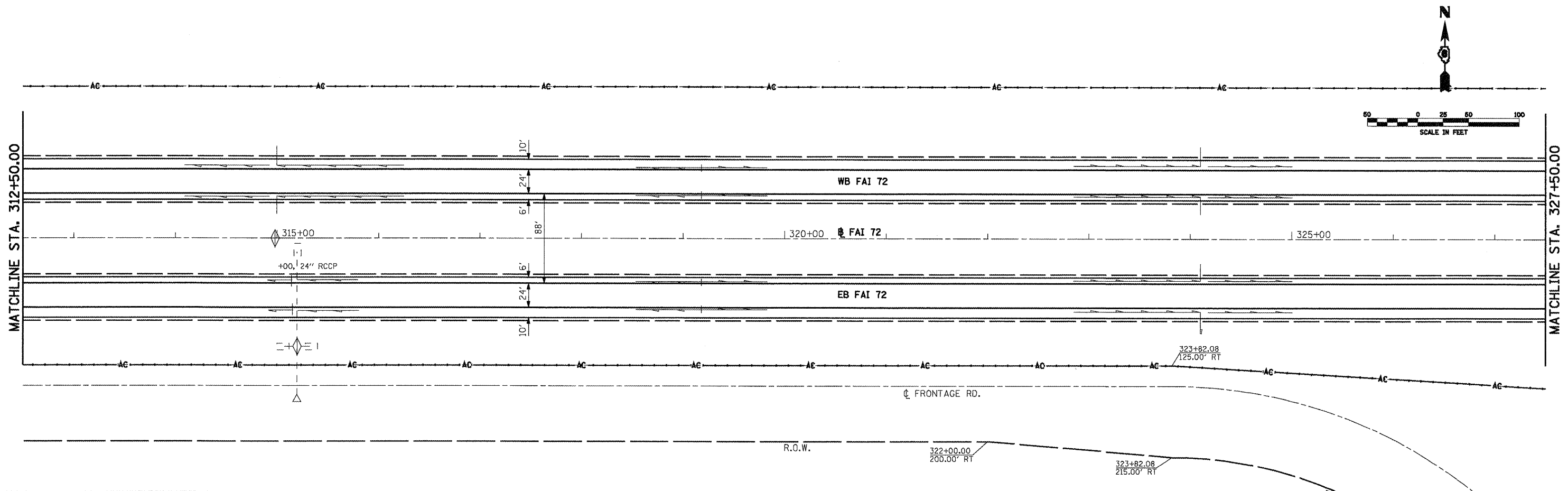
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|--------------------|--------------|--------------|---------------------------|-----------------|
| F.A.I. RTE.<br>72  | SECTION<br>• | COUNTY<br>•• | TOTAL SHEETS<br>48        | SHEET NO.<br>21 |
| CONTRACT NO. 72A16 |              |              | ILLINOIS FED. AID PROJECT |                 |





|  |  |                       |  |  |   |                          |                                  |                    |                           |              |                    |                 |
|--|--|-----------------------|--|--|---|--------------------------|----------------------------------|--------------------|---------------------------|--------------|--------------------|-----------------|
| FILE NAME =<br>c:\pwwork\p\WIDOT\LAUGHLIN\RL\d0196708\B72A16-SHT-plan1.dgn |  | USER NAME = laughlin1 | DESIGNED -<br>DRAWN -<br>CHECKED -<br>DATE - | REVISED -<br>REVISED -<br>REVISED -<br>REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN SHEET FAI 72</b> |                                  | F.A.I. RTE.<br>72  | SECTION<br>.              | COUNTY<br>** | TOTAL SHEETS<br>48 | SHEET NO.<br>22 |
| PLOT SCALE = 1/8" = 100'-0" / IN.<br>PLOT DATE = Apr-06-2010 10:26:48AM    |  | DATE -                | DATE -                                       | DATE -   |   | SCALE:                   | SHEET NO. OF SHEETS STA. TO STA. | CONTRACT NO. 72A16 | ILLINOIS FED. AID PROJECT |              |                    |                 |

• 86-10RS-3, 69-6RS-2, 69-IRS  
 \*\* SCOTT, MORGAN



FILE NAME =  
 USER NAME = laughlinr1  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

672A16-SHT-plan1.dgn  
 PLOT SCALE = 1/8" = 100.0000' / 1" IN.  
 PLOT DATE = Apr-06-2010 10:27:07AM

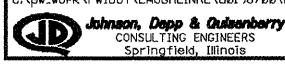
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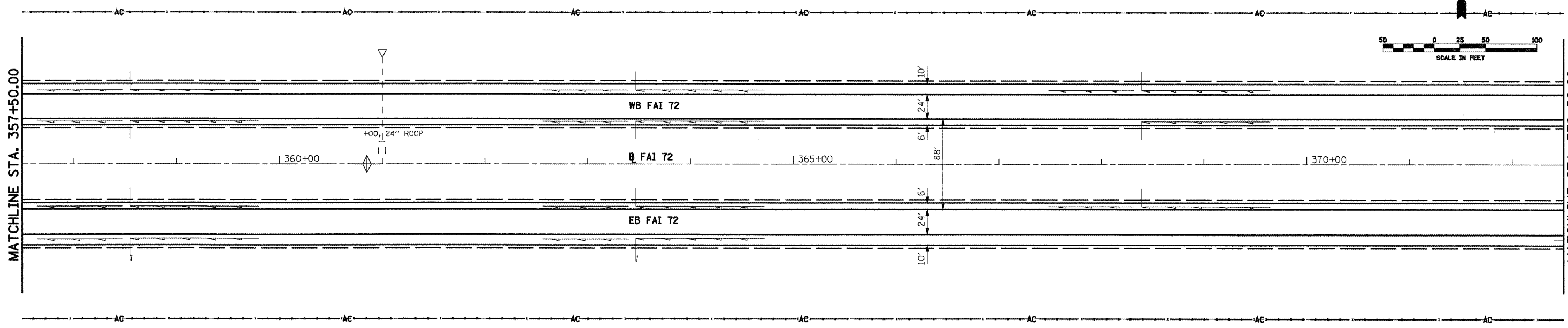
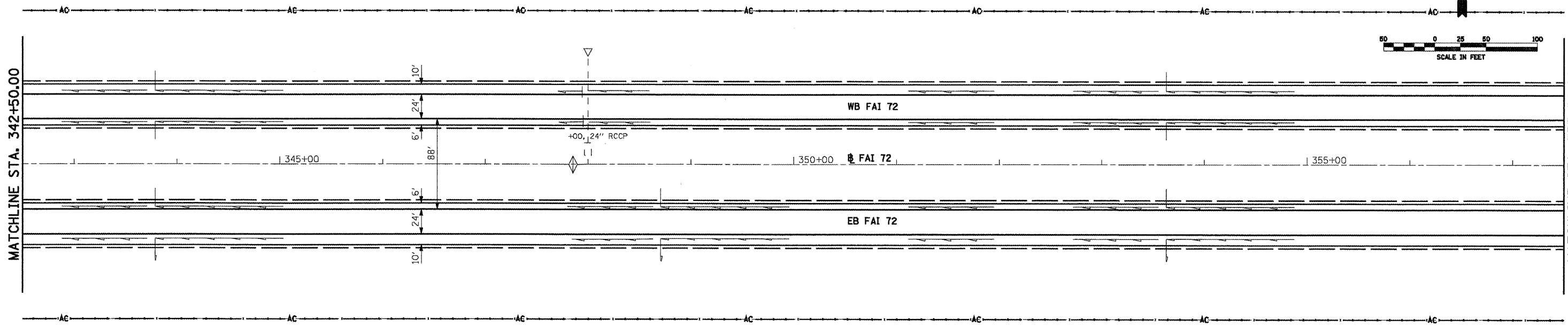
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET FAI 72**  
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

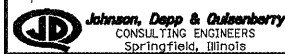
F.A.I. RTE. 72 SECTION \* COUNTY \*\* TOTAL SHEETS 48 SHEET NO. 23  
 CONTRACT NO. 72A16  
 ILLINOIS FED. AID PROJECT

• 86-10RS-3, 69-6RS-2, 69-1RS  
 \*\* SCOTT, MORGAN





|   |                        |            |           |
|---|------------------------|------------|-----------|
| FILE NAME =   | USER NAME = laughlinr1 | DESIGNED - | REVISED - |
| c:\pwwork\pwwork\LAUGHLINR1\d2196780\0372A16-SHT-plan.dgn |                        | DRAWN -    | REVISED - |
|   |                        | CHECKED -  | REVISED - |
|   |                        | DATE -     | REVISED - |
|   |                        |            |           |



PLOT SCALE = 100.0000' / IN.  
 PLOT DATE = Apr-26-2010 10:27:26AM

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

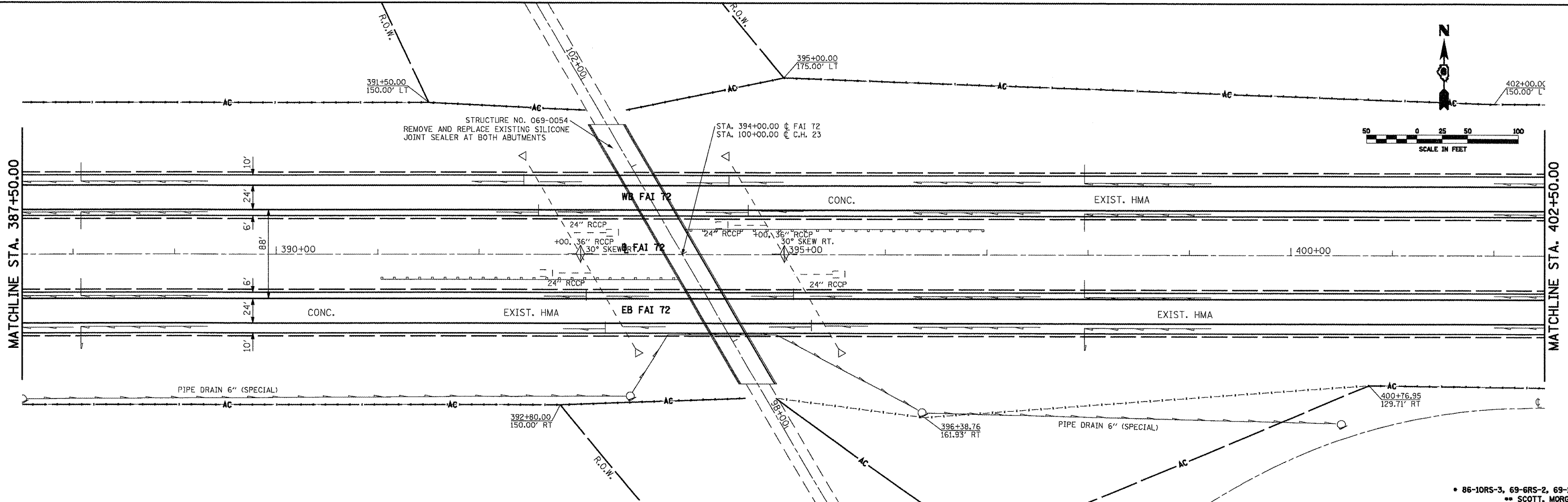
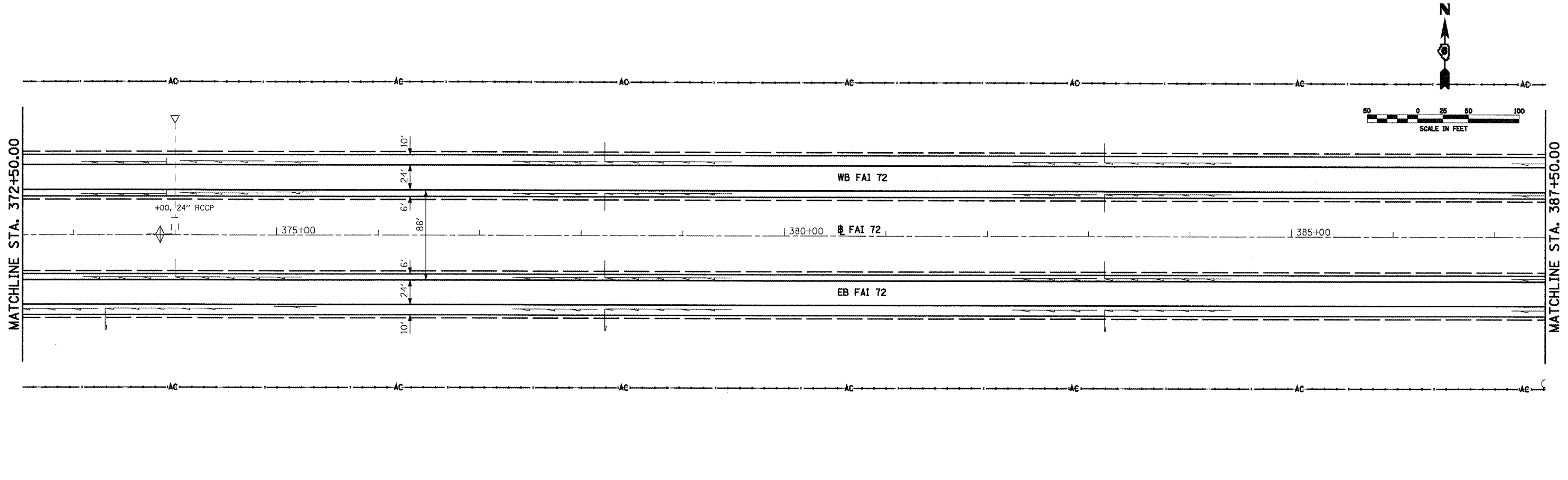
**PLAN SHEET FAI 72**

|        |           |    |        |      |         |
|--------|-----------|----|--------|------|---------|
| SCALE: | SHEET NO. | OF | SHEETS | STA. | TO STA. |
|--------|-----------|----|--------|------|---------|

|                    |         |        |                           |           |
|--------------------|---------|--------|---------------------------|-----------|
| F.A.I. RTE.<br>72  | SECTION | COUNTY | TOTAL SHEETS              | SHEET NO. |
|                    | .       | ..     | 48                        | 24        |
| CONTRACT NO. 72A16 |         |        | ILLINOIS FED. AID PROJECT |           |

• 86-10RS-3, 69-6RS-2, 69-1RS  
 .. SCOTT, MORGAN





**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET FAI 72**

FILE NAME =  
e:\paw\work\NPWIDOT\LAUGHLIN\LD0196700\0872A16-SHT-plan1.dgn

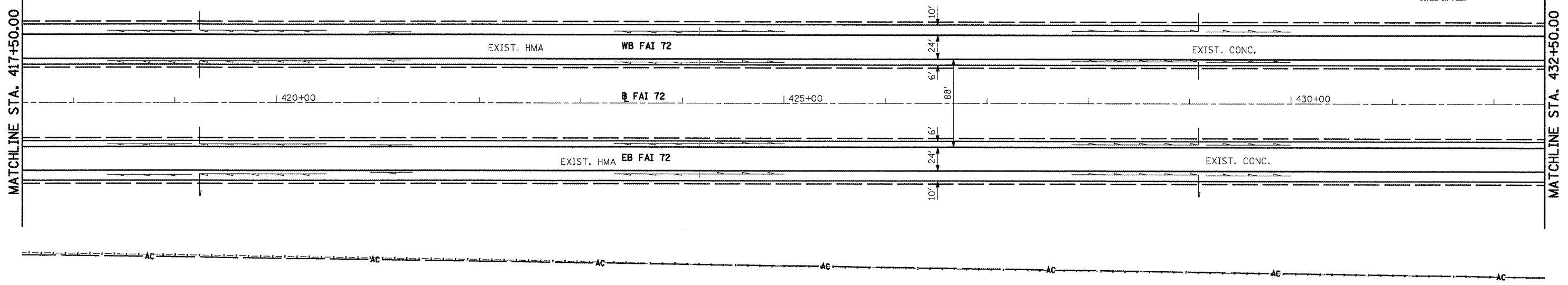
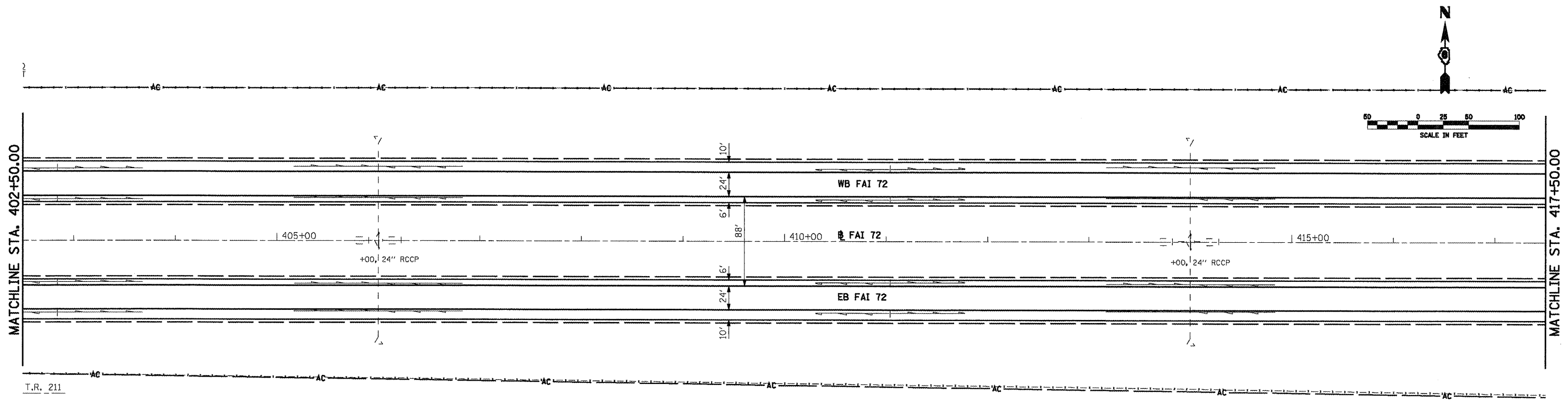
USER NAME = laughlinr1  
PLOT SCALE = 1/8" = 100.0000' / IN.  
PLOT DATE = Apr-06-2010 10:27:44AM

|            |           |
|------------|-----------|
| DESIGNED - | REVISED - |
| DRAWN -    | REVISED - |
| CHECKED -  | REVISED - |
| DATE -     | REVISED - |

|        |           |    |        |      |         |
|--------|-----------|----|--------|------|---------|
| SCALE: | SHEET NO. | OF | SHEETS | STA. | TO STA. |
|--------|-----------|----|--------|------|---------|

|                           |              |              |                    |                 |
|---------------------------|--------------|--------------|--------------------|-----------------|
| F.A.I. RTE.<br>72         | SECTION<br>. | COUNTY<br>.. | TOTAL SHEETS<br>48 | SHEET NO.<br>25 |
| CONTRACT NO. 72A16        |              |              |                    |                 |
| ILLINOIS FED. AID PROJECT |              |              |                    |                 |

• 86-10RS-3, 69-6RS-2, 69-IRS  
•• SCOTT, MORGAN



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET FAI 72**

|  |                       |            |           |
|--|-----------------------|------------|-----------|
| FILE NAME =  | USER NAME = leughlrv1 | DESIGNED - | REVISED - |
| ca\p\work\VPWIDOT\LAUGHLINRL\d0196780\072A16-SHT-plan1.dgn |                       | DRAWN -    | REVISED - |
|  |                       | CHECKED -  | REVISED - |
|  |                       | DATE -     | REVISED - |

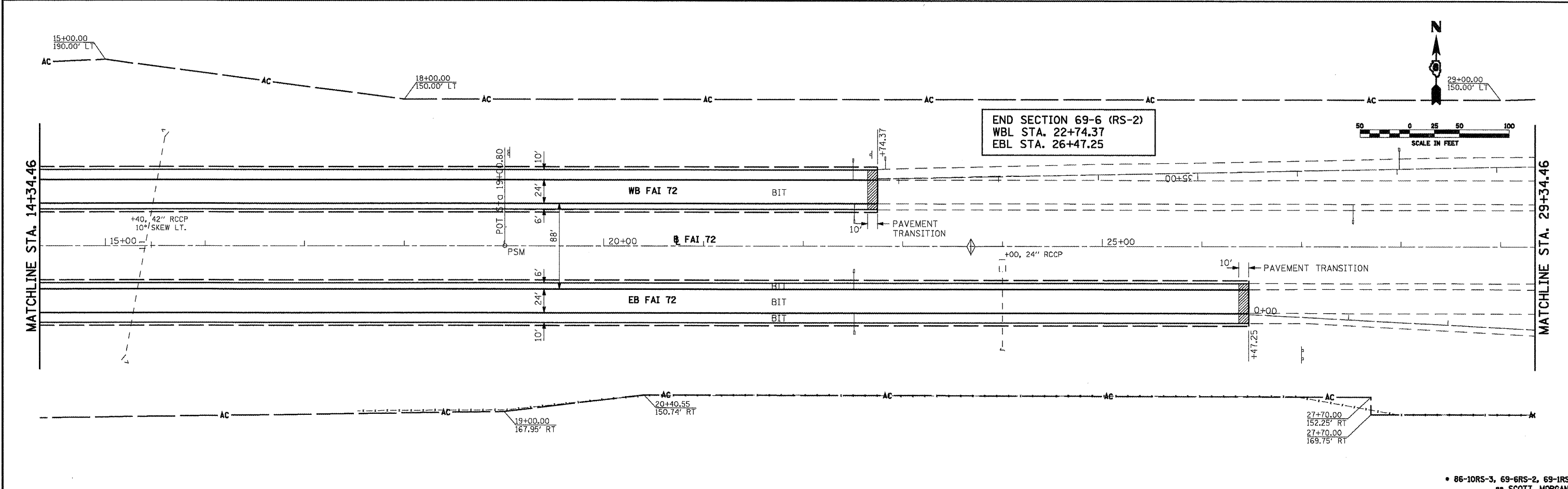
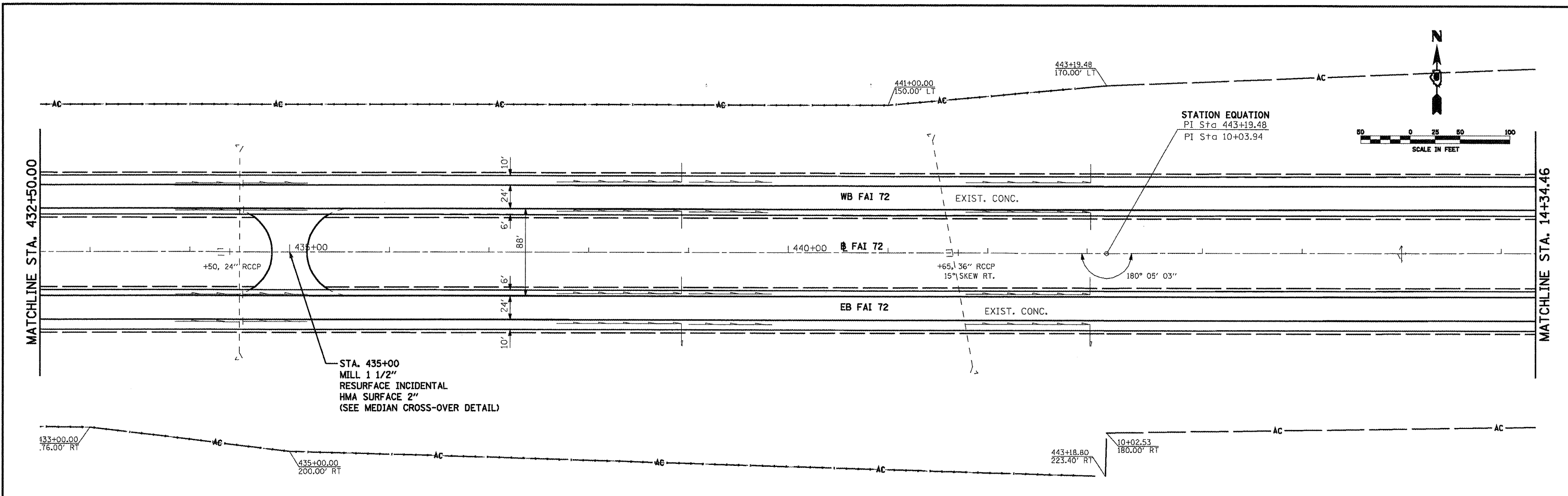


PLOT SCALE = 1/8" = 100.0000' / IN.  
PLOT DATE = Apr-06-2010 10:29:09AM

|        |           |           |      |         |
|--------|-----------|-----------|------|---------|
| SCALE: | SHEET NO. | OF SHEETS | STA. | TO STA. |
|--------|-----------|-----------|------|---------|

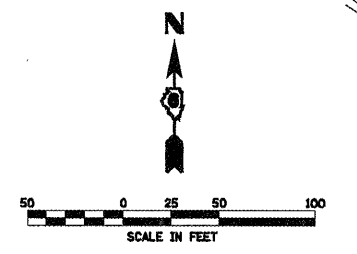
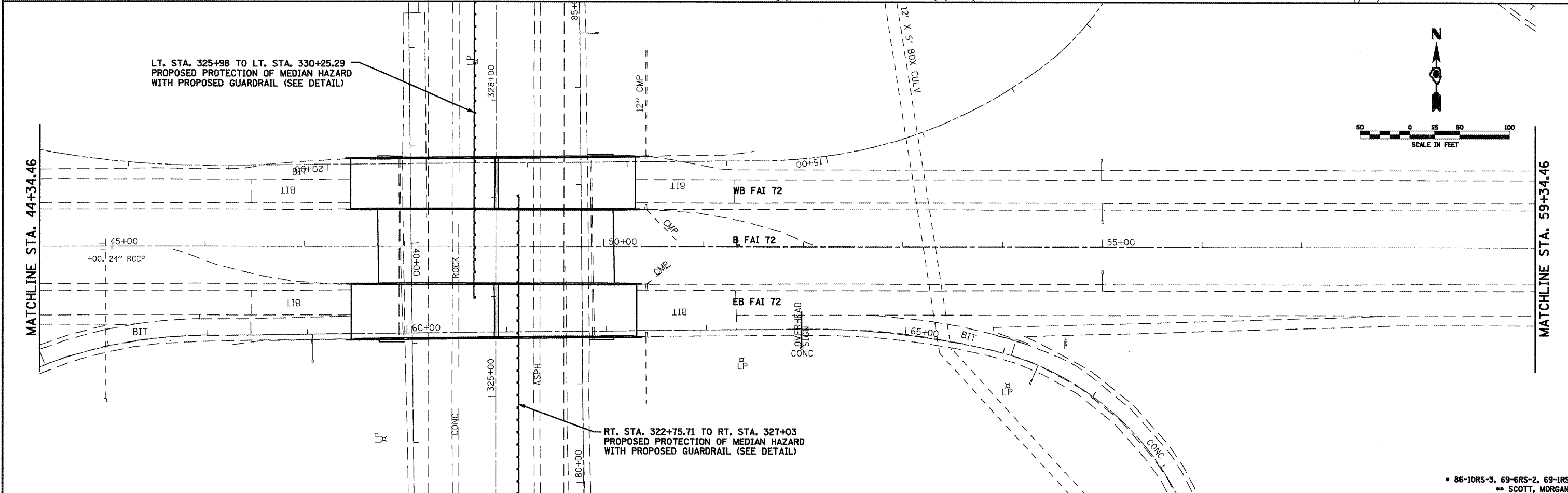
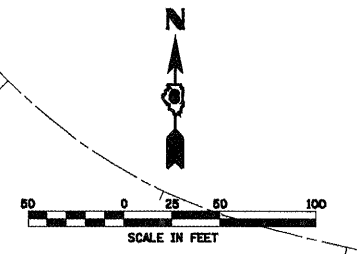
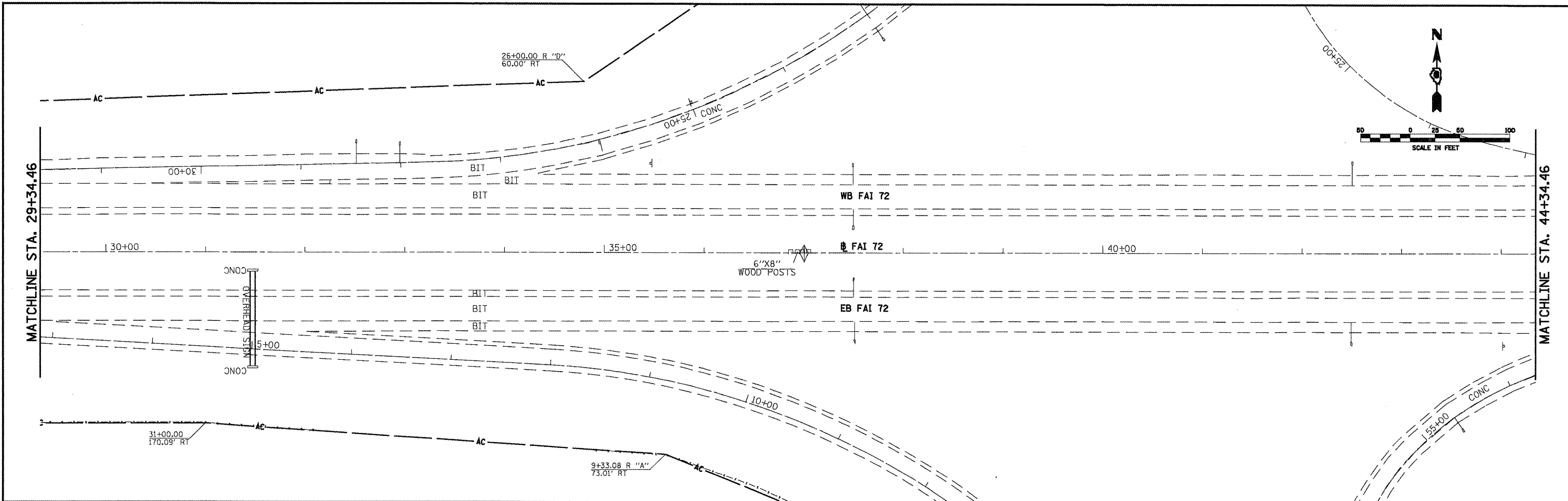
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|--------------------|---------|--------|---------------------------|-----------|
| F.A.I. RTE.        | SECTION | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 72                 | *       | **     | 48                        | 26        |
| CONTRACT NO. 72A16 |         |        | ILLINOIS FED. AID PROJECT |           |

• 86-10RS-3, 69-6RS-2, 69-IRS  
\*\* SCOTT, MORGAN



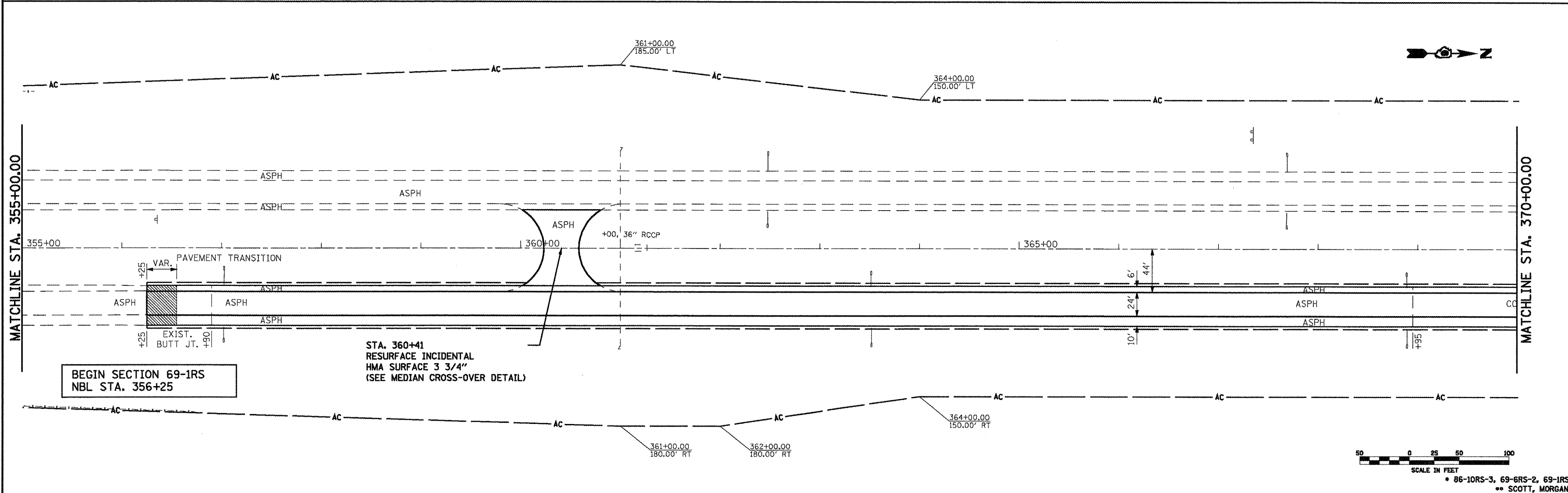
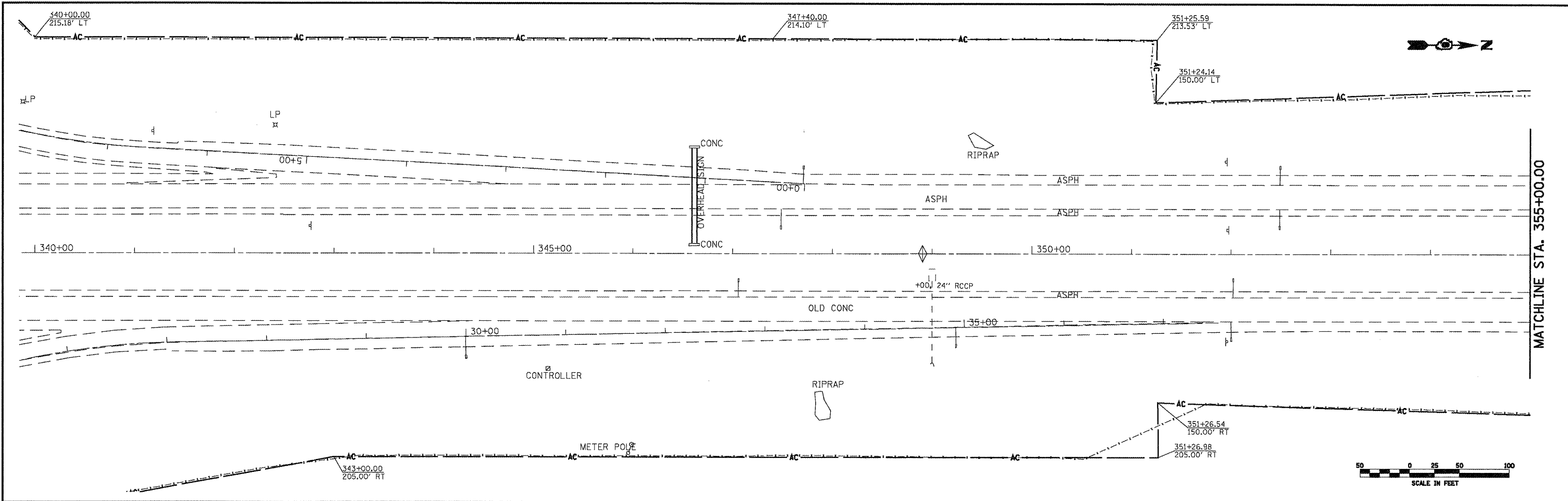
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|--|--|------------|-----------|---|--------------------------|-----------|----------------|--------------------|--------|---------------------------|-----------|----|----|
| FILE NAME =<br>USER NAME = laughtinr1                                      |  | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN SHEET FAI 72</b> |           | F.A.I. RTE. 72 | SECTION            | COUNTY | TOTAL SHEETS              | SHEET NO. |    |    |
| DRAWN -<br>CHECKED -<br>DATE -   |  | REVISED -  | REVISED - |   | SCALE                    | SHEET NO. |                | OF SHEETS          | STA.   | TO STA.                   | 72        | 48 | 27 |
| PLOT SCALE = 1/8" = 100'-0" / 1" IN.<br>PLOT DATE = Apr-26-2010 10:28:26AM |  | DATE -     | REVISED - |   |                          |           |                | CONTRACT NO. 72A16 |        | ILLINOIS FED. AID PROJECT |           |    |    |
| Johnson, Dapp & O'Leary<br>CONSULTING ENGINEERS<br>Springfield, Illinois   |  |            |           |   |                          |           |                |                    |        |                           |           |    |    |

• 86-10RS-3, 69-6RS-2, 69-IRS  
• SCOTT, MORGAN



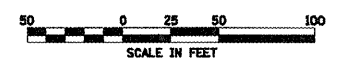
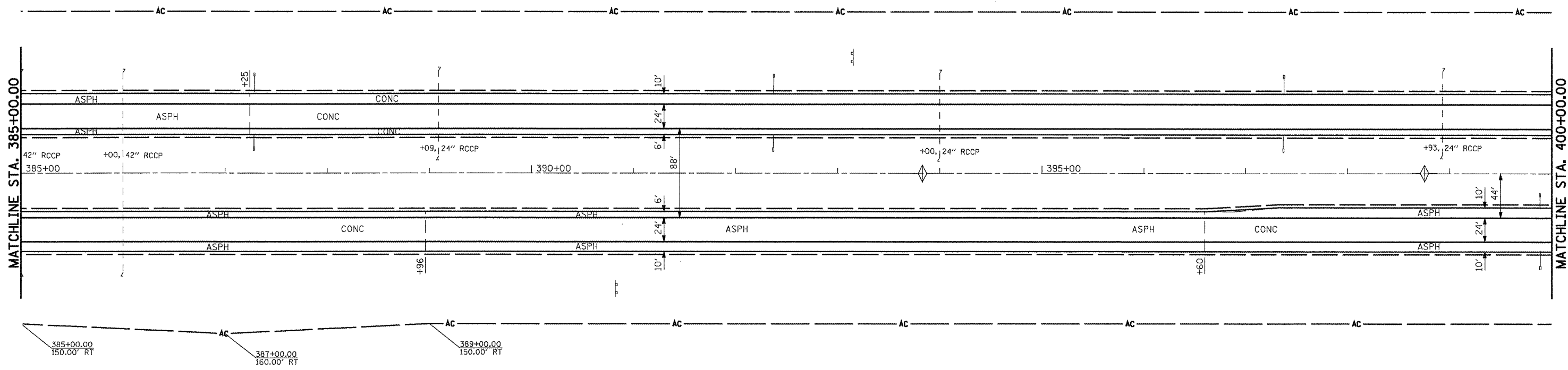
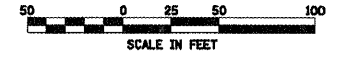
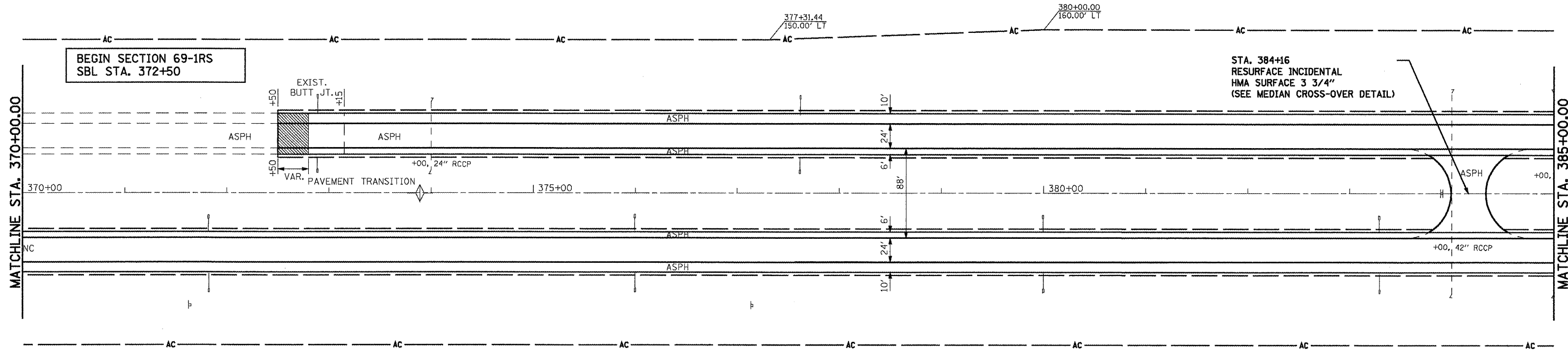
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| FILE NAME =<br>c:\pwwork\pwwid00\LAUGHLIN\RL\d0196700\072A16-SHT-plan1.dgn<br> | USER NAME = laughlinr1                 | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN SHEET FAI 72</b> |  |  | F.A.I. RTE.<br>72   | SECTION<br>. | COUNTY<br>** | TOTAL SHEETS<br>48   | SHEET NO.<br>28 |  |
|  | PLOT SCALE = 1/8" = 100.0000' / 1" IN. | DRAWN -    | REVISED - |   |                          |  |  | SCALE:      SHEET NO.      OF      SHEETS      STA.      TO      STA. |              |              | CONTRACT NO. 72A16<br><small>ILLINOIS FED. AID PROJECT</small> |                 |  |
|  | PLOT DATE = Apr-06-2010 10:28:47AM     | CHECKED -  | REVISED - |   |                          |  |  |   |              |              |  |                 |  |
|  | DATE -                                 | REVISED -  |           |   |                          |  |  |   |              |              |  |                 |  |

• 86-10RS-3, 69-6RS-2, 69-1RS  
 \*\* SCOTT, MORGAN



|   |  |  |  |   |                         |                |  |           |                 |              |
|---|--|--|--|---|-------------------------|----------------|--|-----------|-----------------|--------------|
| FILE NAME =<br>es:\pwwork\pwwid07\LAUGHLIN\LD0196700\072A16-SHT-plan1.dgn<br> | USER NAME = laughlinr1<br>072A16-SHT-plan1.dgn<br>PLOT SCALE = 1/8" = 100.0000' / 1" IN.<br>PLOT DATE = Apr-26-2010 10:29:06AM | DESIGNED -<br>DRAWN -<br>CHECKED -<br>DATE - | REVISED -<br>REVISED -<br>REVISED -<br>REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN SHEET US 67</b> | F.A.J. RTE. 72 | SECTION .  | COUNTY ** | TOTAL SHEETS 48 | SHEET NO. 29 |
|   | SCALE: SHEET NO. OF SHEETS STA. TO STA.  |  |  |   |                         |                | CONTRACT NO. 72A16<br><small>ILLINOIS FED. AID PROJECT</small> |           |                 |              |

86-10RS-3, 69-GRS-2, 69-IRS  
 \*\* SCOTT, MORGAN



86-10RS-3, 69-GRS-2, 69-IRS  
SCOTT, MORGAN

|  |                        |            |           |
|--|------------------------|------------|-----------|
| FILE NAME =  | USER NAME = laughlinr1 | DESIGNED - | REVISED - |
| ca:\pwwork\p\m\DOT\LAUGHLIN\RL\d0196720\672A16-SHT-plan1.dgn |                        | DRAWN -    | REVISED - |
|  |                        | CHECKED -  | REVISED - |
|  |                        | DATE -     | REVISED - |

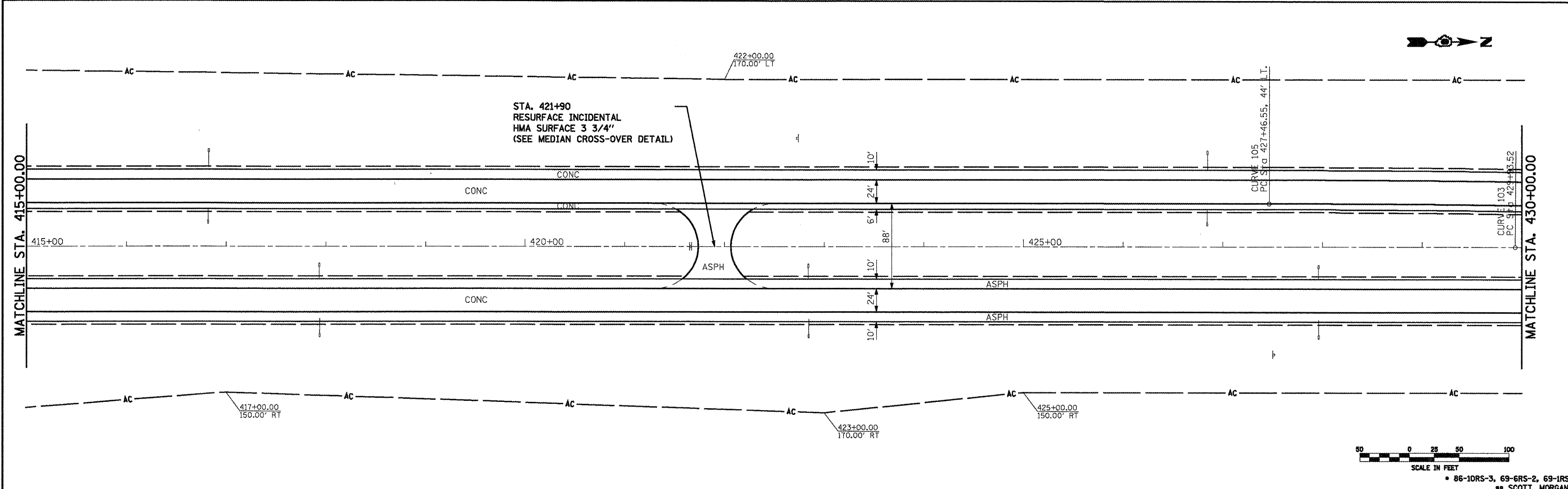
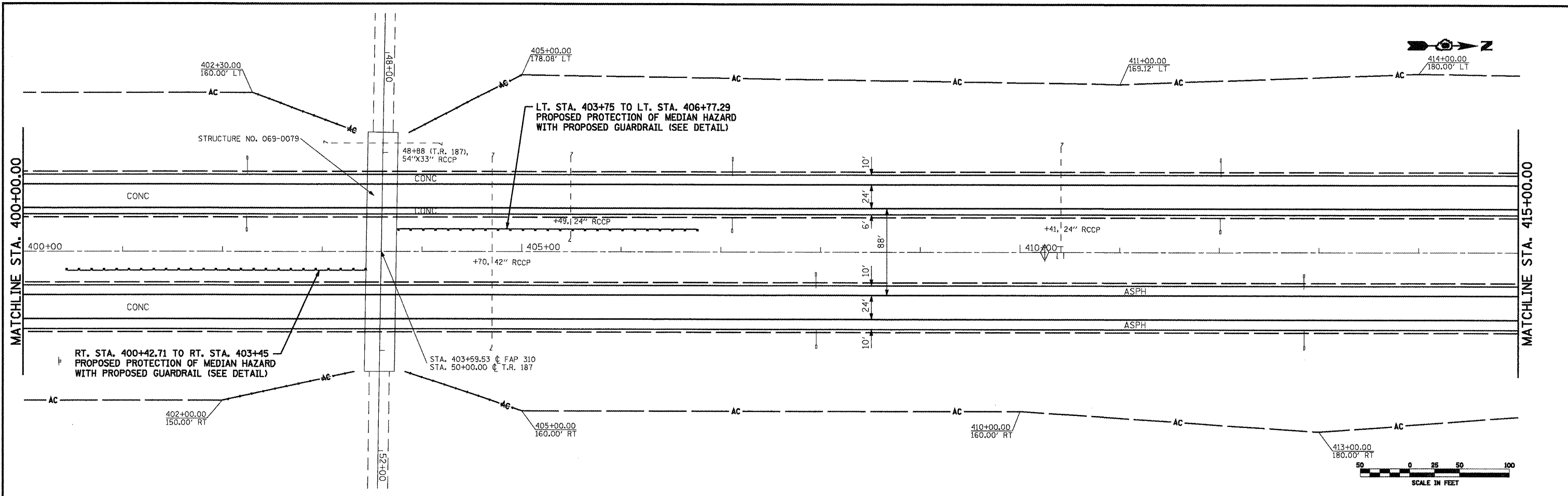
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|                         |           |           |              |
|-------------------------|-----------|-----------|--------------|
| <b>PLAN SHEET US 67</b> |           |           |              |
| SCALE:                  | SHEET NO. | OF SHEETS | STA. TO STA. |

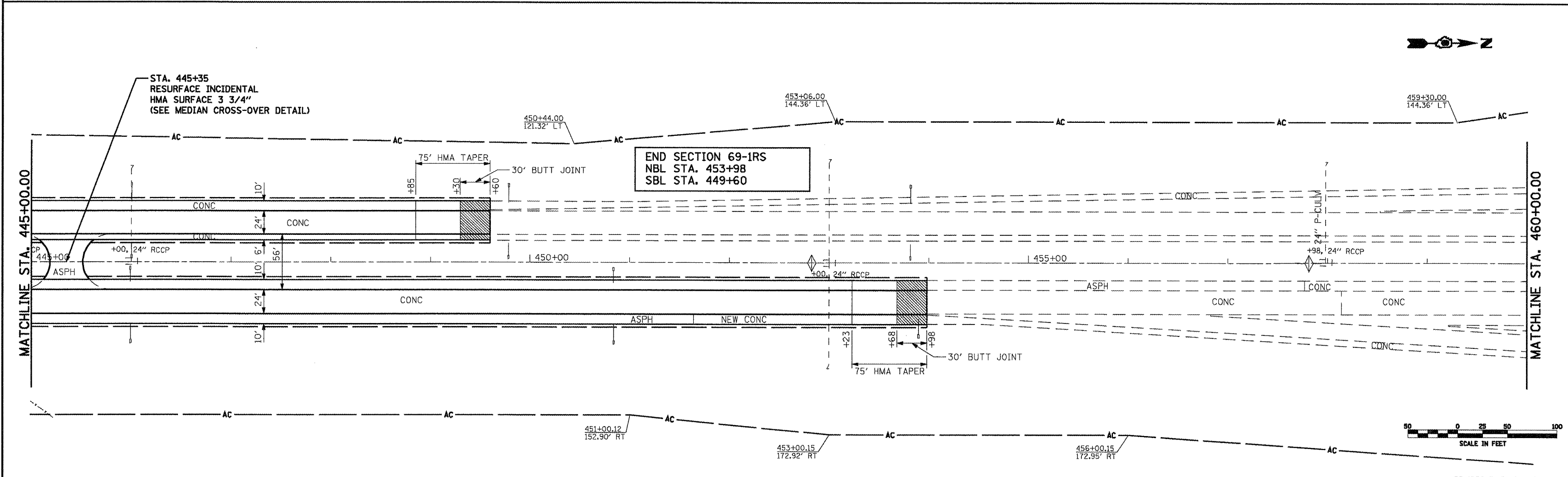
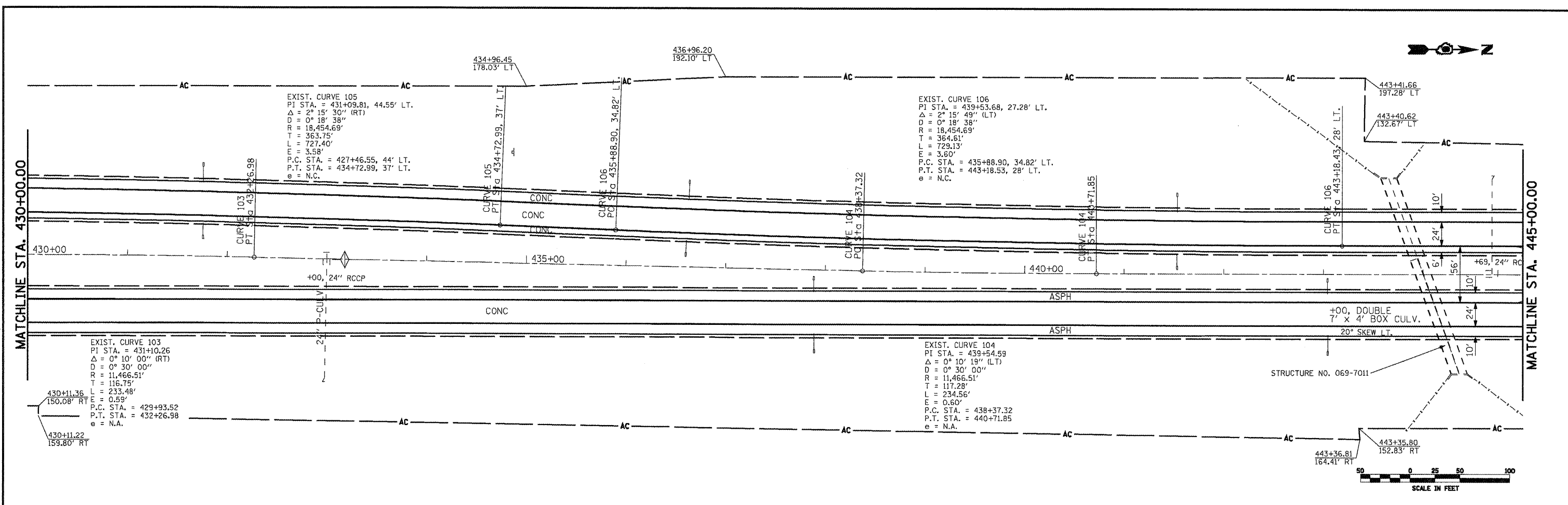
|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A.I. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 72                        | .       | ..     | 48           | 30        |
| CONTRACT NO. 72A16        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |







|   |                                    |            |           |   |                         |  |  |                           |         |        |              |           |
|---|------------------------------------|------------|-----------|---|-------------------------|--|--|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = laughtinr1             | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN SHEET US 67</b> |  |  | F.A.I. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| oi:\pwwork\pwwid\DOT\LAUGHLIN\RL\0196700\0372A16-SHT-plan.dgn               | PLOT SCALE = 100.0000 / IN.        | DRAWN -    | REVISED - |   |                         |  |  | 72                        | .       | ..     | 48           | 31        |
| Johnson, Depp & Outenberry<br>CONSULTING ENGINEERS<br>Springfield, Illinois | PLOT DATE = Apr-06-2010 10:29:45AM | CHECKED -  | REVISED - |   |                         |  |  | CONTRACT NO. T2A16        |         |        |              |           |
|   |                                    | DATE -     | REVISED - |   |                         |  |  | ILLINOIS FED. AID PROJECT |         |        |              |           |

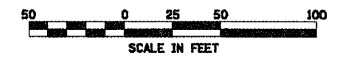


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|---|--|--|--|---|--|---|
| FILE NAME =<br>c:\pwwork\KVPWIDOT\LAUGH\INRL\d0196700\0672A16-SHT-plan1.dgn |  | USER NAME = laughtinr1<br>DESIGNED -<br>DRAWN -<br>CHECKED -<br>DATE - | REVISED -<br>REVISED -<br>REVISED -<br>REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN SHEET US 67</b><br>SCALE: SHEET NO. OF SHEETS STA. TO STA. | F.A.I. RTE. 72<br>SECTION .<br>COUNTY .<br>TOTAL SHEETS 48<br>SHEET NO. 32<br>CONTRACT NO. 72A16<br>ILLINOIS FED. AID PROJECT |
|---|--|--|--|---|--|---|

• 86-10RS-3, 69-GRS-2, 69-IRS  
 \*\* SCOTT, MORGAN



MATCHLINE STA. 460+00.00



• 86-10RS-3, 69-6RS-2, 69-IRS  
•• SCOTT, MORGAN

|   |                        |            |           |
|---|------------------------|------------|-----------|
| FILE NAME =<br>c:\pwwork\pkwidot\LAUGHLINRL\d0196700\072A16-SHT-plan1.dgn | USER NAME = laughtlrv1 | DESIGNED - | REVISED - |
|   |                        | DRAWN -    | REVISED - |
|   |                        | CHECKED -  | REVISED - |
|   |                        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET US 67**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

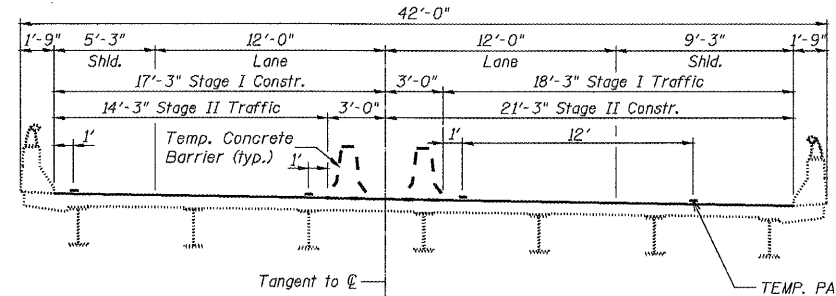
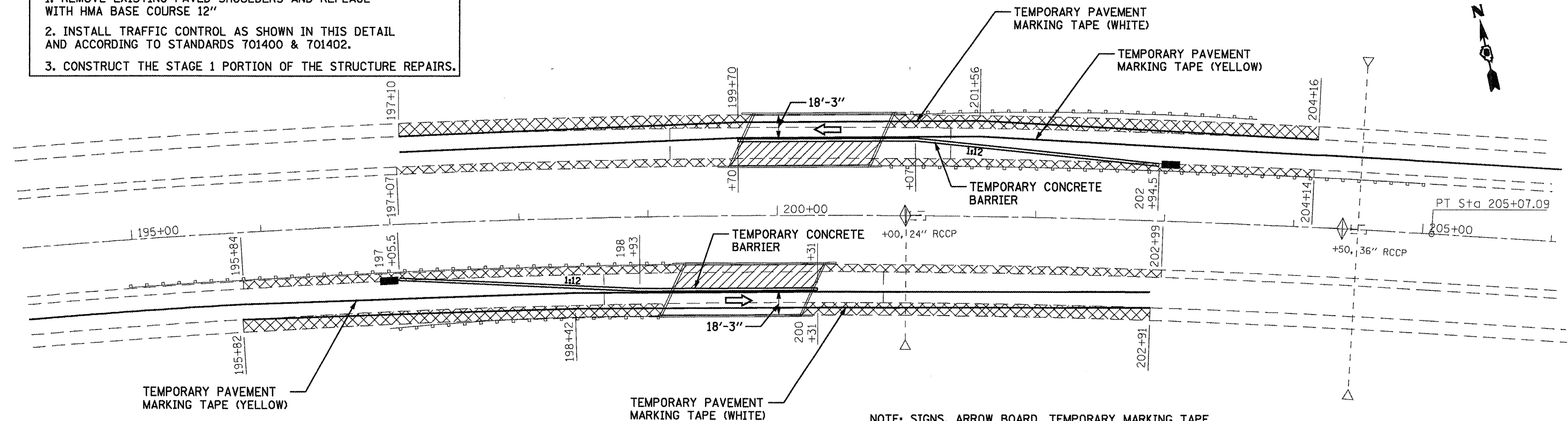
| F.A.I. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 72                        | *       | **     | 48           | 33        |
| CONTRACT NO. 72A16        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



**Johnson, Dapp & Oulsenberry**  
CONSULTING ENGINEERS  
Springfield, Illinois

PLOT SCALE = 100.0000' / IN.  
PLOT DATE = Apr-06-2010 10:30:25AM

**SEQUENCE OF CONSTRUCTION**  
 1. REMOVE EXISTING PAVED SHOULDERS AND REPLACE WITH HMA BASE COURSE 12"  
 2. INSTALL TRAFFIC CONTROL AS SHOWN IN THIS DETAIL AND ACCORDING TO STANDARDS 701400 & 701402.  
 3. CONSTRUCT THE STAGE 1 PORTION OF THE STRUCTURE REPAIRS.

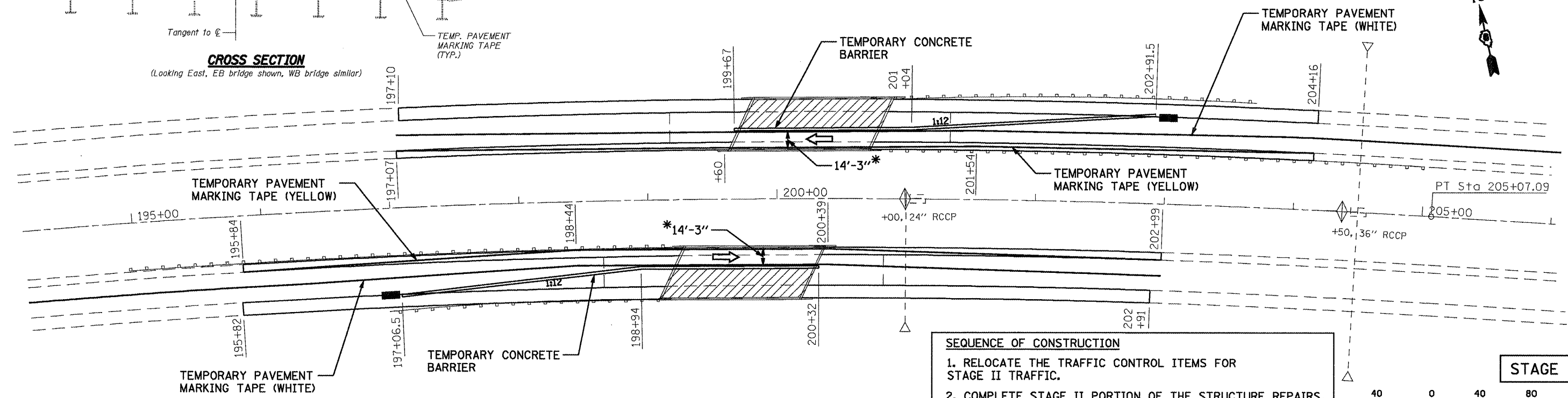


**CROSS SECTION**  
 (Looking East, EB bridge shown, WB bridge similar)

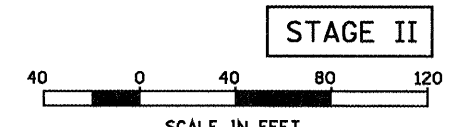
NOTE: SIGNS, ARROW BOARD, TEMPORARY MARKING TAPE AND BARRICADES WITH STEADY BURNING MONODIRECTIONAL LIGHTS AS SHOWN IN STANDARD 701402 & 701400.  
 REMOVE EXISTING STRIPING CONFLICTING WITH THE STAGING PLAN. PAID FOR AS PAVEMENT MARKING REMOVAL.

- PAVED SHOULDER REMOVAL REPLACE WITH HMA BASE COURSE 12"
- WORK AREA
- IMPACT ATTENUATOR

**STAGE I**



**SEQUENCE OF CONSTRUCTION**  
 1. RELOCATE THE TRAFFIC CONTROL ITEMS FOR STAGE II TRAFFIC.  
 2. COMPLETE STAGE II PORTION OF THE STRUCTURE REPAIRS.  
 3. REMOVE TRAFFIC CONTROL ITEMS AND COMPLETE ALL REMAINING WORK.



**STAGE II**

\* SEE WIDTH RESTRICTION SIGNING DETAIL

FILE NAME =  
 USER NAME = laughlinr1  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

722A16-Sht-staging.dgn  
 PLOT SCALE = 80.0000' / IN.  
 PLOT DATE = Apr-06-2010 10:30:27AM

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STAGING PLAN**  
 SN 086-0023(EB) & 0024(WB)

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A.I. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 72                        | .       | **     | 48           | 34        |
| CONTRACT NO. 72A16        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

EXISTING STRUCTURE: S.N. 086-0023(EB) & 0024(WB), originally constructed in 1976 as FA Route 408 Sec. 86-10B at Station 200+00.00; using 24" steel I-beams with 7 1/2" concrete deck and 1 1/2" bituminous wearing surface, 3 spans, 110'-0" back-back abutments, 42'-0" out-out width, stub abutments on steel H-piles, wall piers with footings on steel H-piles. Wearing surface was replaced with microsilica concrete overlay in 2005.

Staged construction shall be used to maintain one lane of traffic.

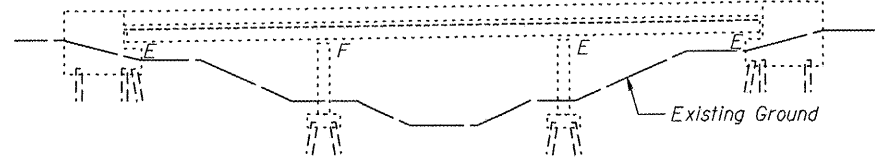
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

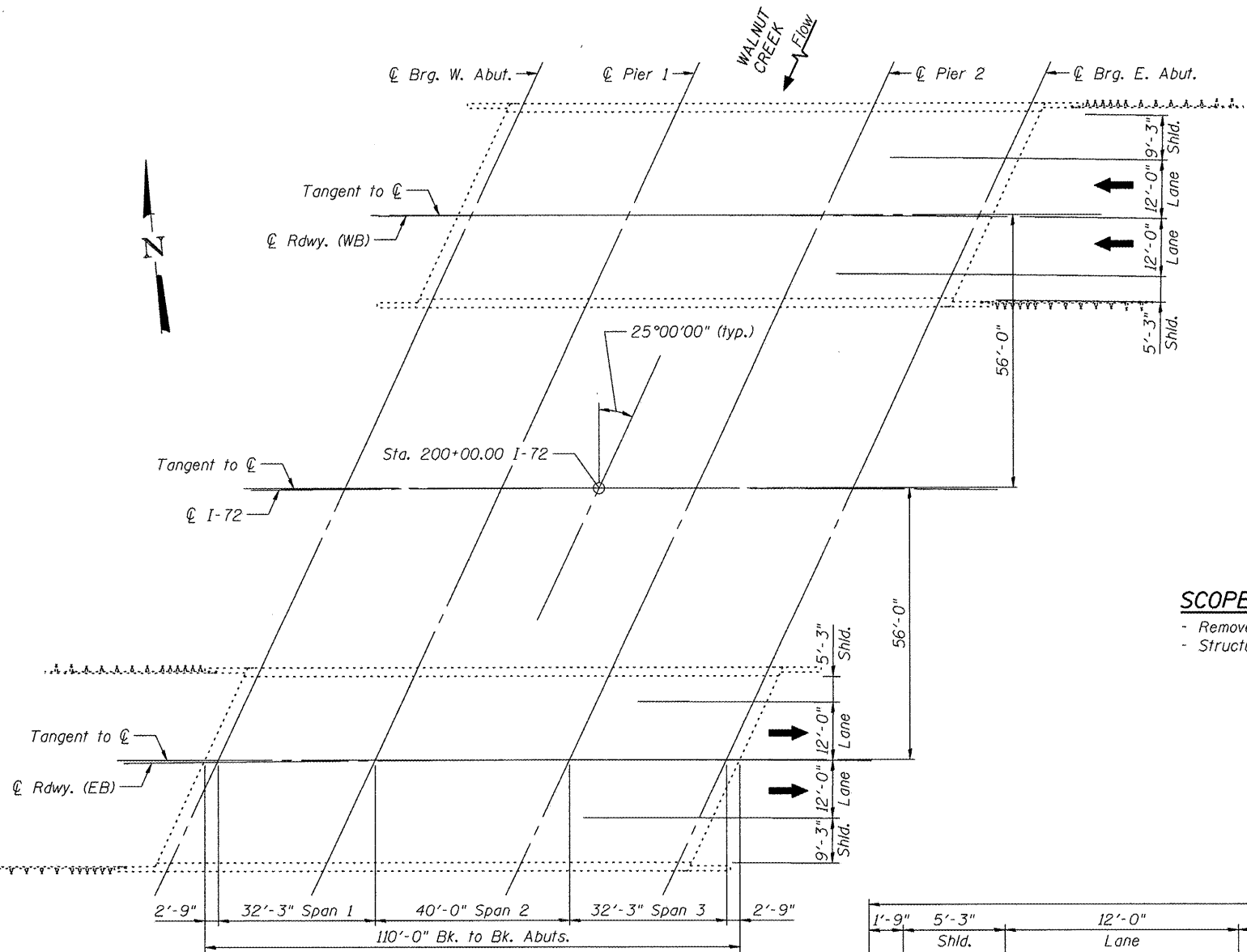
| Sheet No. | Description                        |
|-----------|------------------------------------|
| 1         | Gen Plan, Gen Notes, Bill of Mat'l |
| 2         | Temporary Concrete Barrier         |
| 3-4       | Superstructure                     |
| 5         | Preformed Joint Strip Seal         |
| 6         | Abutments                          |
| 7         | Bar Splicer Assembly Details       |

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.  
 Reinforcement bars designated (E) shall be epoxy coated.  
 Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.  
 The deck surface shall have its final finish coat tined according to Article 420.09 (e) (1) of the Standard Specifications. Cost included with Concrete Superstructure.  
 Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.  
 Protective Coat shall only be applied to new concrete.  
 Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.  
 As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by an individual acceptable to the Engineer. Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.  
 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.  
 The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.



ELEVATION



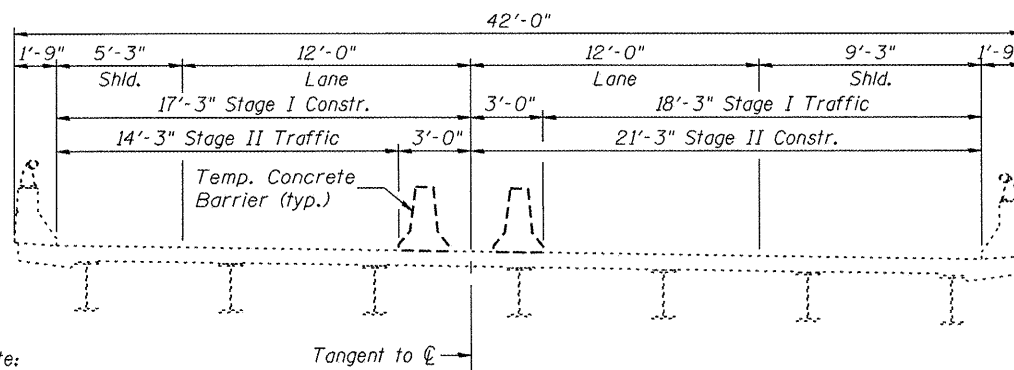
PLAN

SCOPE OF WORK:

- Remove and replace existing expansion joints at both abutments.
- Structural repair of concrete at East abutment.

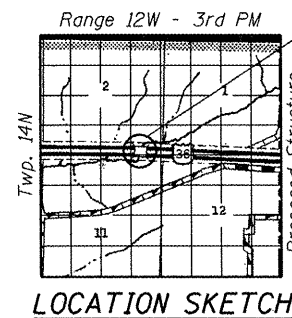
TOTAL BILL OF MATERIAL

| ITEM   | UNIT  | EB   | WB   | TOTAL |
|--|-------|------|------|-------|
| Concrete Removal                             | Cu Yd | 12.6 | 12.6 | 25.2  |
| Concrete Superstructure                      | Cu Yd | 12.6 | 12.6 | 25.2  |
| Protective Coat                              | Sq Yd | 33   | 33   | 66    |
| Reinforcement Bars, Epoxy Coated             | Pound | 2050 | 2050 | 4100  |
| Bar Splicers                                 | Each  | 28   | 28   | 56    |
| Preformed Joint Strip Seal                   | Foot  | 90   | 90   | 180   |
| Structural Repair Of Concrete (Depth = < 5") | Sq Ft | --   | 9    | 9     |



CROSS SECTION

(Looking East, EB bridge shown, WB bridge similar)



LOCATION SKETCH

GENERAL PLAN & ELEVATION  
 INTERSTATE 72 OVER WALNUT CREEK  
 FAI RTE. 72 SECTION 86-10(RS-3)  
 SCOTT COUNTY  
 STATION 200+00.00  
 STRUCTURE NO. 086-0023(EB) & 0024(WB)

| SHEET               | F.A.I. RTE. | SECTION                   | COUNTY             | TOTAL SHEETS | SHEET NO. |
|---------------------|-------------|---------------------------|--------------------|--------------|-----------|
| 1 OF 7              | 72          | 86-10(RS-3)               | SCOTT              | 48           | 35        |
| STA. 200+00.00      |             |                           | CONTRACT NO. 72A16 |              |           |
| FED. ROAD DIST. NO. |             | ILLINOIS FED. AID PROJECT |                    |              |           |

Johnson, Depp & Quisenberry  
CONSULTING ENGINEERS  
Springfield, Illinois



Signed: David Depp  
 Date: 3-30-2010  
 Lic. Expires: 11-30-2010

|               |              |
|---------------|--------------|
| DESIGNED: JDQ | DRAWN: SJS   |
| CHECKED: DCD  | CHECKED: DCD |

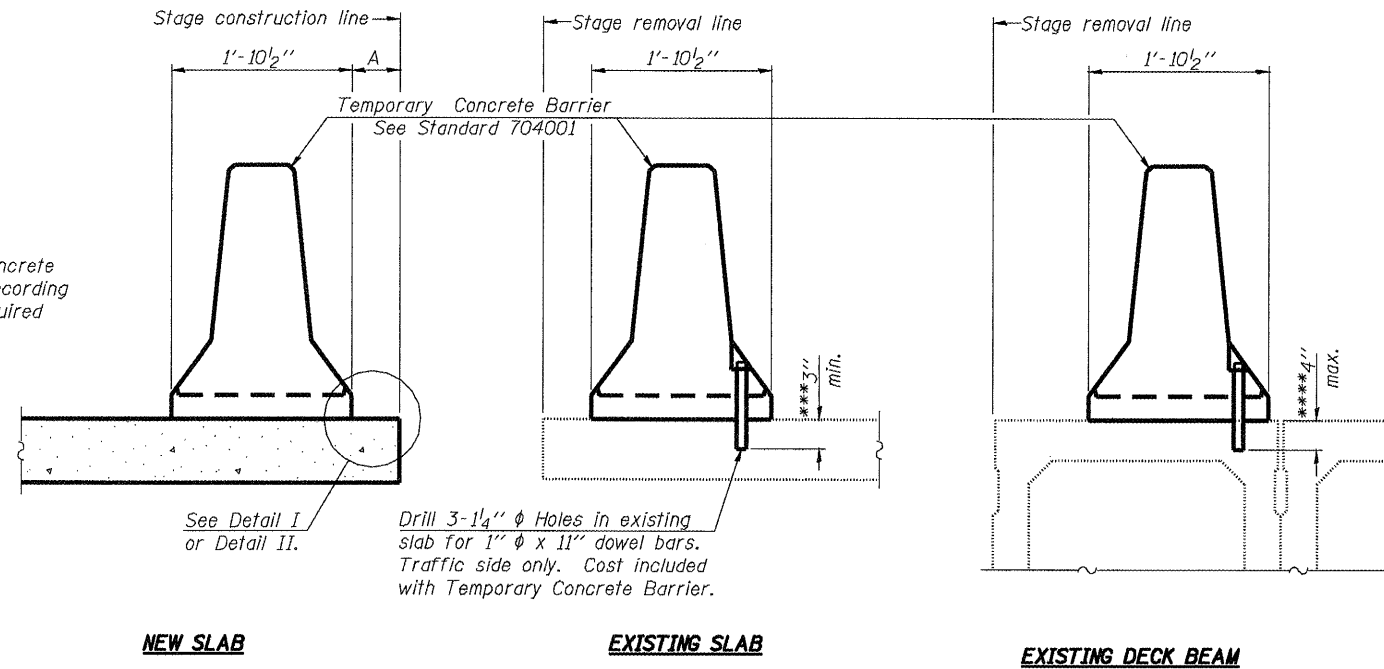
Note:  
 Staging is for information only, to be coordinated with roadway staging.

FILE: J:\D011085 IL-D6VV\*6 I-72 Jacksonville PhZ\N-WalnutCreek\0860023-72A16-001-splan.dgn

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DATE: 03/30/2010 16:03:05

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".

NEW SLAB

EXISTING SLAB

EXISTING DECK BEAM

SECTIONS THRU SLAB OR DECK BEAM

**NOTES**

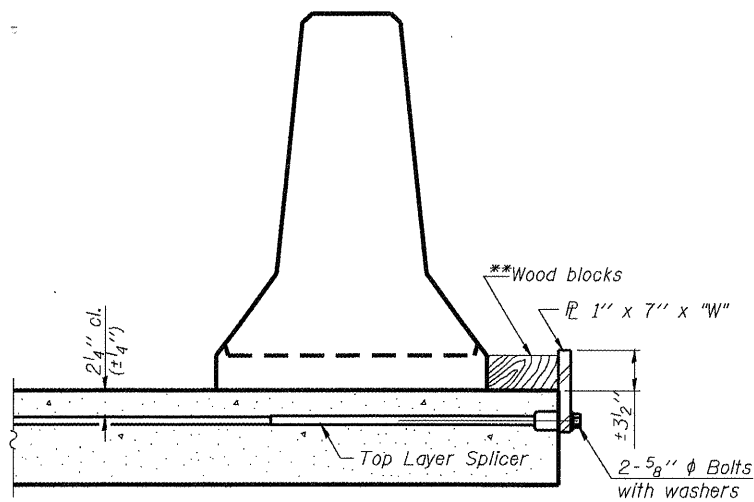
Detail I - With Bar Splicer or Couplers:  
Connect one (1) 1"x7"x10" steel  $\bar{P}$  to the top layer of couplers with 2-5/8"  $\phi$  bolts screwed to coupler at approximate  $\bar{C}$  of each barrier panel.

Detail II - With Extended Reinforcement Bars:  
Connect one (1) 1"x7"x10" steel  $\bar{P}$  to the concrete slab or concrete wearing surface with 2-5/8"  $\phi$  Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate  $\bar{C}$  of each barrier panel.

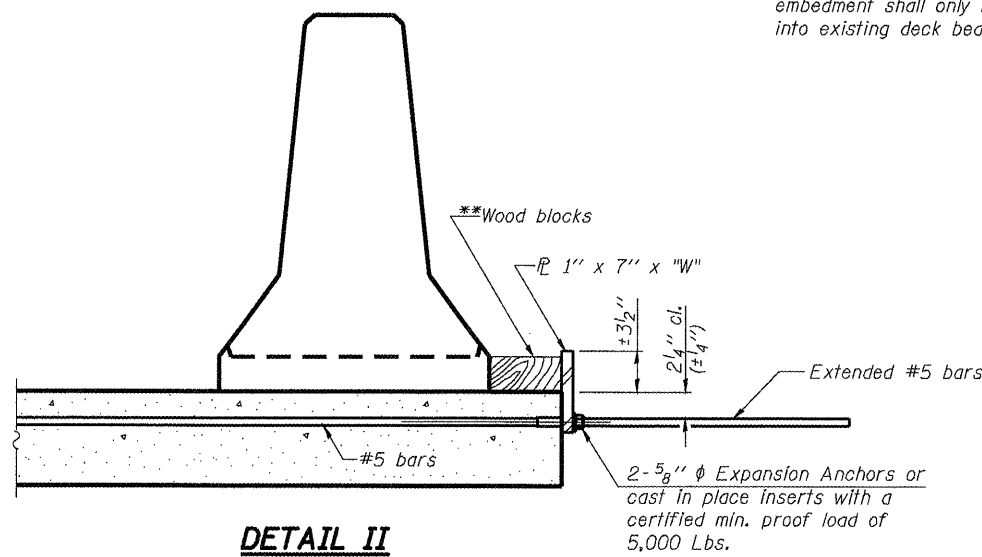
Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

\*\*\* Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

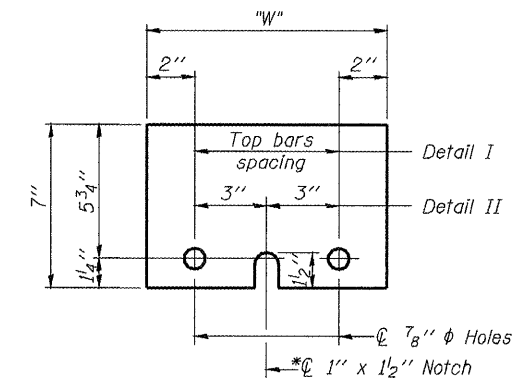
\*\*\*\* If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER  $\bar{P}$  1" x 7" x 10"

\* Required only with Detail II

\*\* Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4"

|               |              |
|---------------|--------------|
|               |              |
| DESIGNED: JDQ | DRAWN: SJS   |
| CHECKED: DCD  | CHECKED: DCD |

R-27

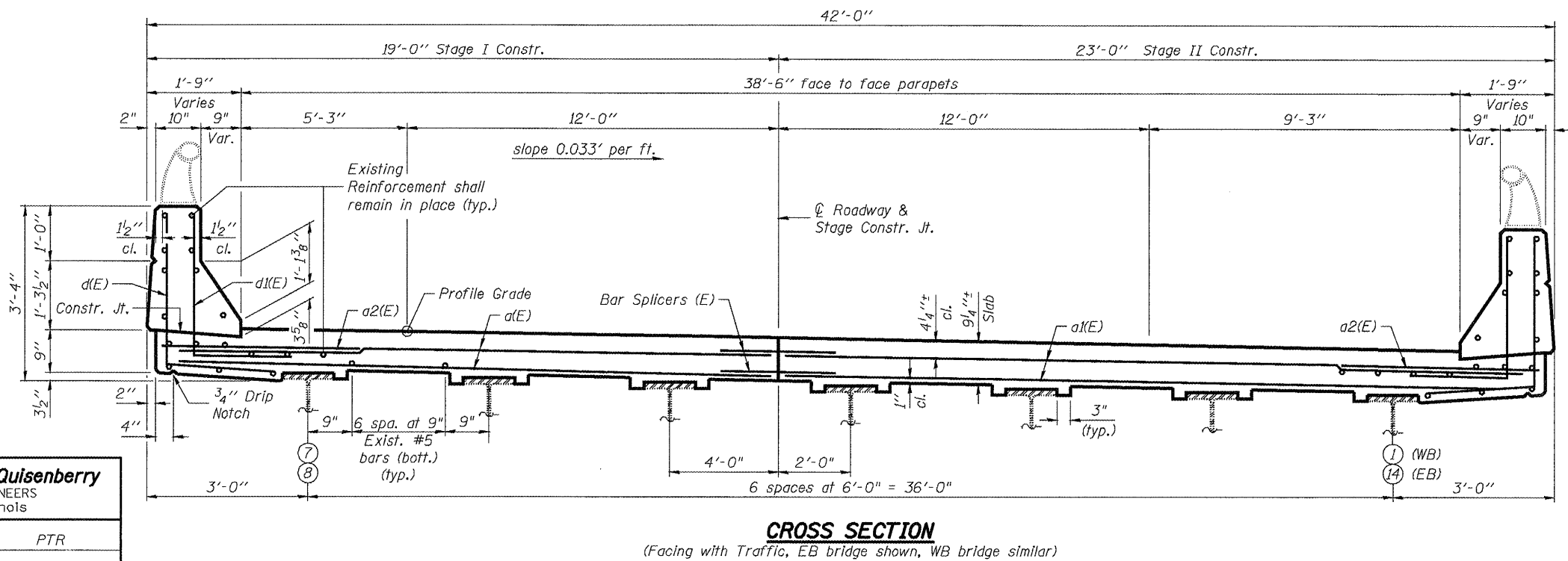
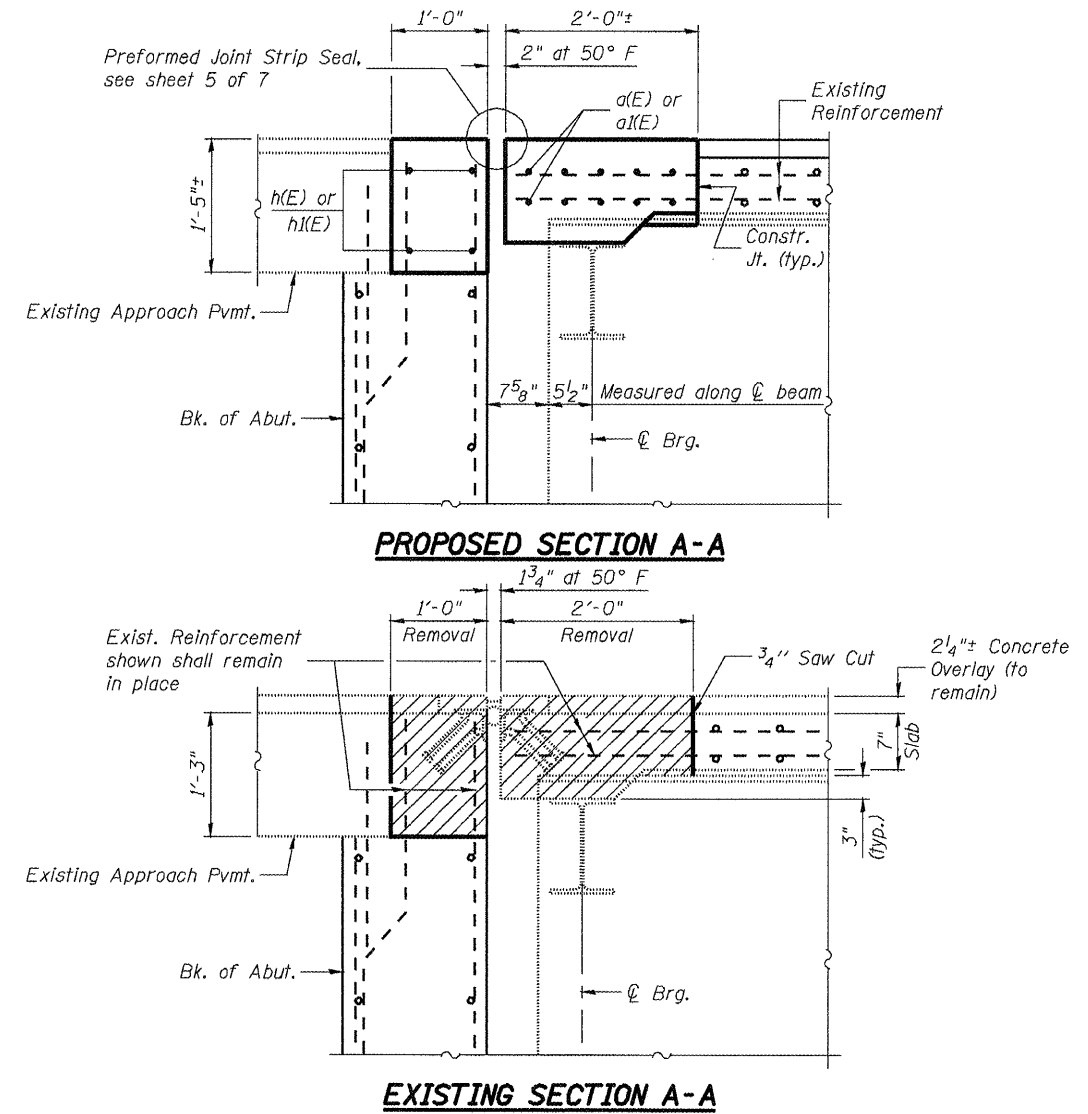
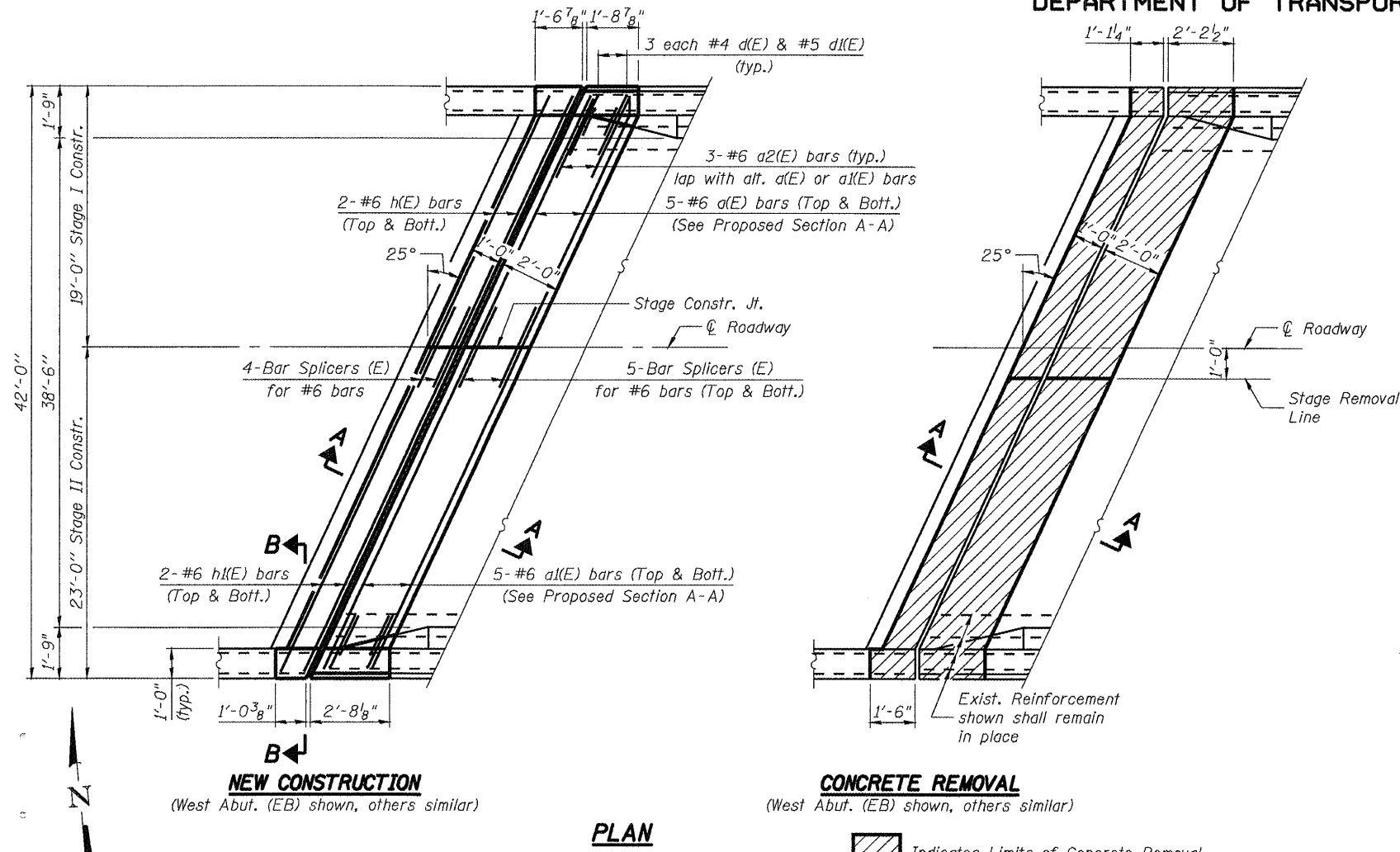
11-1-09

TEMPORARY CONCRETE BARRIER  
FOR STAGE CONSTRUCTION  
STRUCTURE NO. 086-0023(EB) & 0024(WB)

|   |                |             |                    |              |           |
|---|----------------|-------------|--------------------|--------------|-----------|
| SHEET 2<br>OF 7                               | F.A.I. RTE.    | SECTION     | COUNTY             | TOTAL SHEETS | SHEET NO. |
|   | 72             | 86-10(RS-3) | SCOTT              | 48           | 36        |
|   | STA. 200+00.00 |             | CONTRACT NO. 72A16 |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                |             |                    |              |           |



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



Notes:  
For Section B-B, Parapet Details and Bill of Material see sheet 4 of 7.  
Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

**JD Johnson, Depp & Quisenberry**  
CONSULTING ENGINEERS  
Springfield, Illinois

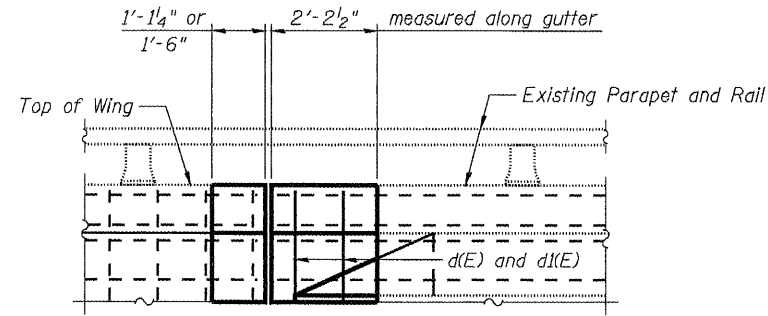
DESIGNED: JDQ    DRAWN: PTR  
CHECKED: DCD    CHECKED: DCD

**SUPERSTRUCTURE**  
**STRUCTURE NO. 086-0023(EB) & 0024(WB)**

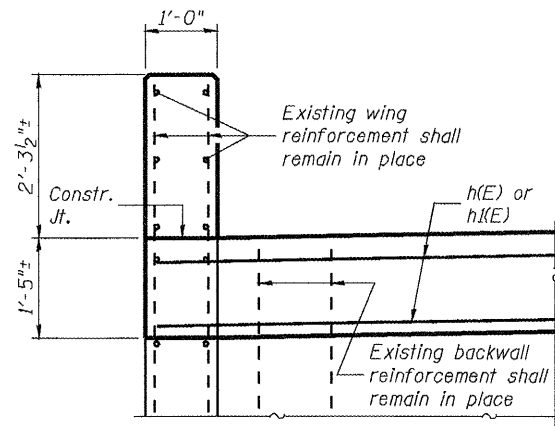
|                     |                |                           |                    |                 |              |
|---------------------|----------------|---------------------------|--------------------|-----------------|--------------|
| SHEET 3<br>OF 7     | F.A.I.<br>RTE. | SECTION                   | COUNTY             | TOTAL<br>SHEETS | SHEET<br>NO. |
|                     | 72             | 86-10(RS-3)               | SCOTT              | 48              | 37           |
|                     | STA. 200+00.00 |                           | CONTRACT NO. T2A16 |                 |              |
| FED. ROAD DIST. NO. |                | ILLINOIS FED. AID PROJECT |                    |                 |              |

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**PARTIAL INSIDE ELEVATION OF PARAPET**



**SECTION B-B**



**SUPERSTRUCTURE  
BILL OF MATERIAL**

| Bar                              | No. | Size    | Length  | Shape |    |
|----------------------------------|-----|---------|---------|-------|----|
| $a(E)$                           | 20  | #6      | 19'-11" | —     |    |
| $a1(E)$                          | 20  | #6      | 24'-4"  | —     |    |
| $a2(E)$                          | 12  | #6      | 4'-6"   | —     |    |
| $d(E)$                           | 12  | #4      | 4'-9"   | L     |    |
| $d1(E)$                          | 12  | #5      | 4'-0"   | L     |    |
| $h(E)$                           | 8   | #6      | 20'-7"  | —     |    |
| $h1(E)$                          | 8   | #6      | 25'-0"  | —     |    |
|                                  |     |         |         | EB    | WB |
| Reinforcement Bars, Epoxy Coated |     | Pound   | 2050    | 2050  |    |
| Concrete Superstructure          |     | Cu. Yd. | 12.6    | 12.6  |    |
| Concrete Removal                 |     | Cu. Yd. | 12.6    | 12.6  |    |

Reinforcement Bar List is for 1 Bridge only.

**SUPERSTRUCTURE DETAILS  
STRUCTURE NO. 086-0023(EB) & 0024(WB)**

|                     |             |                           |                    |              |           |
|---------------------|-------------|---------------------------|--------------------|--------------|-----------|
| SHEET 4<br>OF 7     | F.A.I. RTE. | SECTION                   | COUNTY             | TOTAL SHEETS | SHEET NO. |
|                     | 72          | 86-10(RS-3)               | SCOTT              | 48           | 38        |
| STA. 200+00.00      |             |                           | CONTRACT NO. 72A16 |              |           |
| FED. ROAD DIST. NO. |             | ILLINOIS FED. AID PROJECT |                    |              |           |

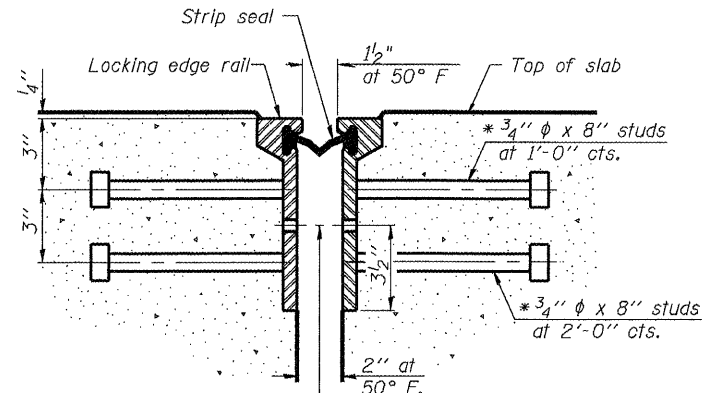
**JD** Johnson, Depp & Quisenberry  
CONSULTING ENGINEERS  
Springfield, Illinois

|               |              |
|---------------|--------------|
| DESIGNED: JDQ | DRAWN: PTR   |
| CHECKED: DCD  | CHECKED: DCD |

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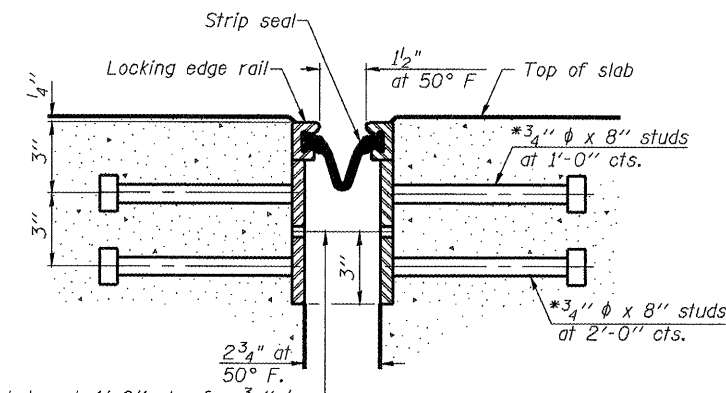
\* Granular or solid Flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

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DEPARTMENT OF TRANSPORTATION



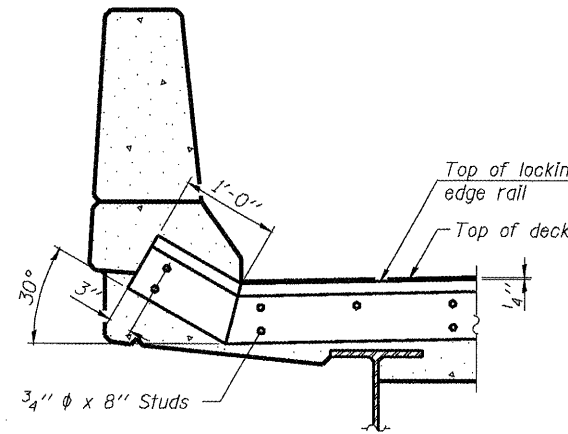
7/16"  $\phi$  holes at 4'-0" cts. for 3/8"  $\phi$  bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

**SECTION THRU ROLLED RAIL JOINT**

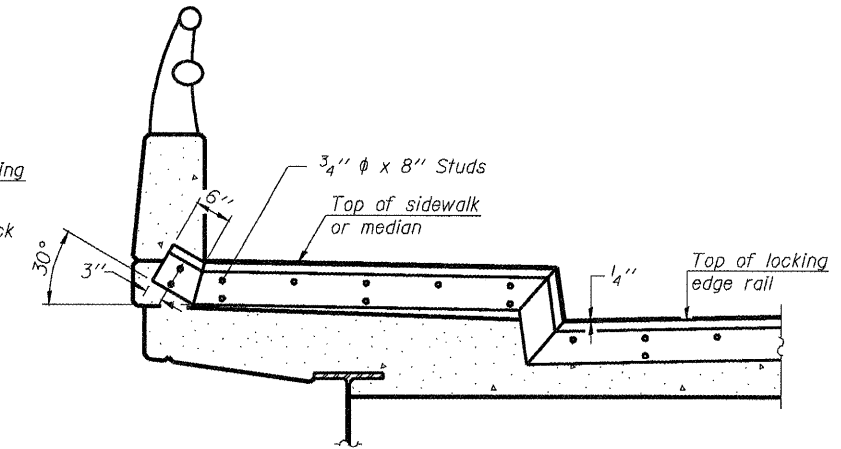


7/16"  $\phi$  holes at 4'-0" cts. for 3/8"  $\phi$  bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

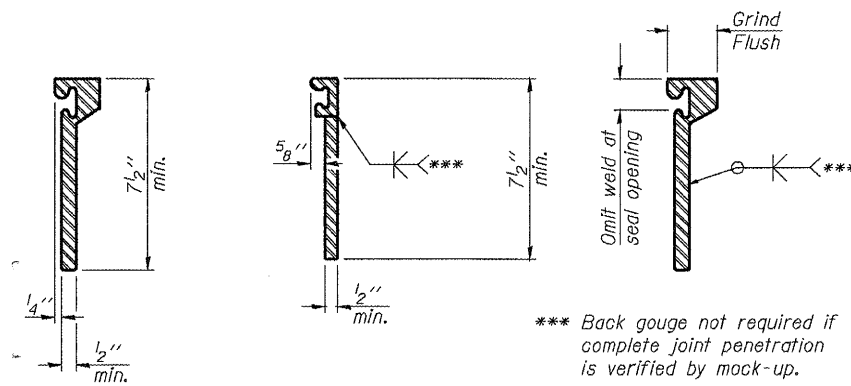
**SECTION THRU WELDED RAIL JOINT**



**AT PARAPET**  
See Section A-A for end treatment of skews > 30°.



**AT SIDEWALK OR MEDIAN**  
Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.



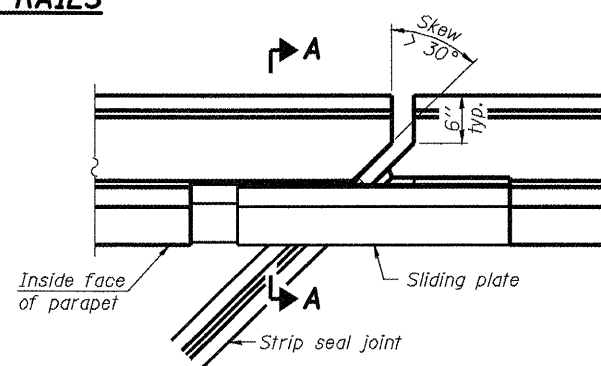
**ROLLED EXTRUDED RAIL**      **WELDED RAIL**

\*\*\* Back gouge not required if complete joint penetration is verified by mock-up.

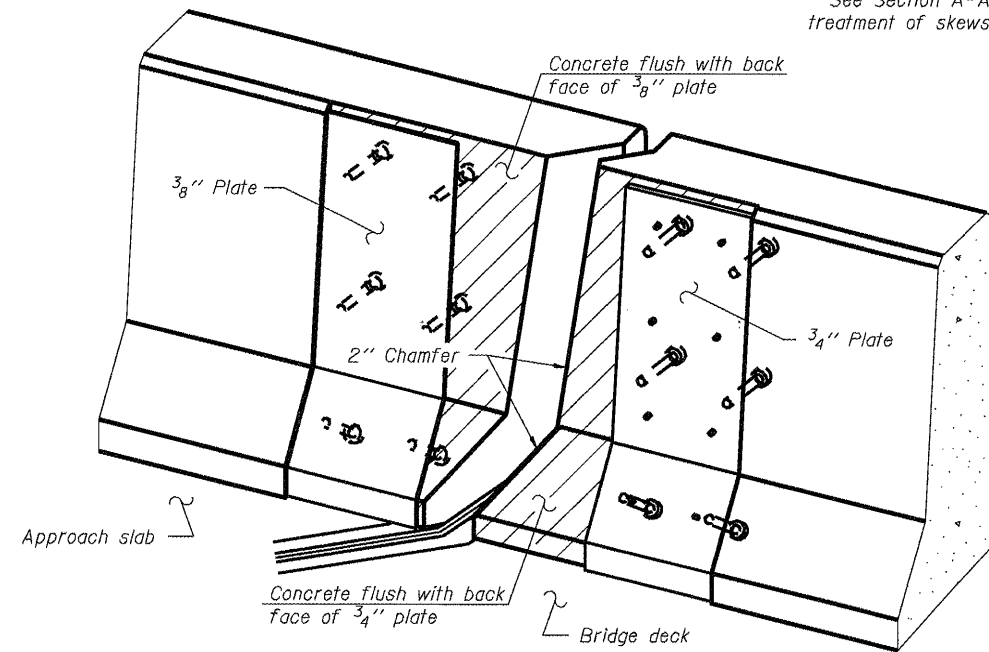
**LOCKING EDGE RAIL SPLICE**

The inside of the locking edge rail groove shall be free of weld residue.  
Rolled rail shown, welded rail similar.

**LOCKING EDGE RAILS**

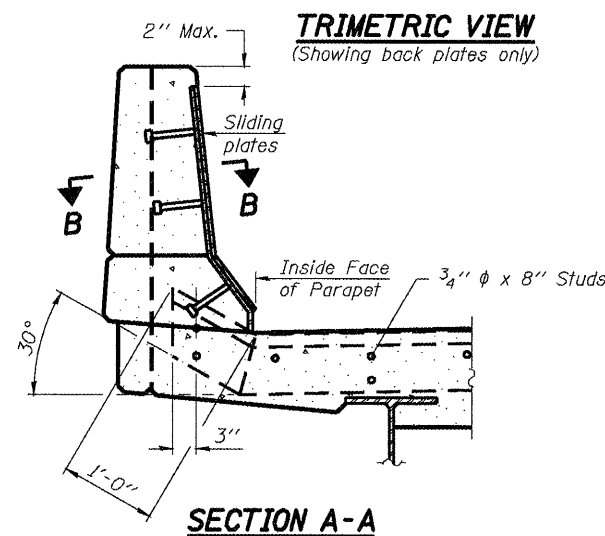


**PLAN**

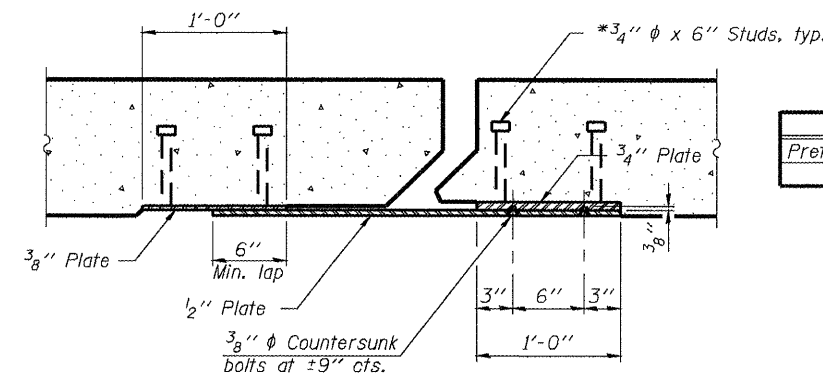


**TYPICAL END TREATMENTS**

Notes:  
The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.  
The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.  
The manufacturer's recommended installation methods shall be followed.  
The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.  
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.  
Maximum space between rail segments at stage lines shall be 3/16", sealed with a suitable sealant.



**POINT BLOCK DETAILS**  
(for skews > 30°)



**SECTION B-B**

**BILL OF MATERIAL**

| Item                       | Unit | EB bridge | WB bridge |
|----------------------------|------|-----------|-----------|
| Preformed Joint Strip Seal | Foot | 90        | 90        |

**PREFORMED JOINT STRIP SEAL**  
**STRUCTURE NO. 086-0023(EB) & 0024(WB)**

| SHEET 5 OF 7                                  | F.A.J. RTE. 72 | SECTION            | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------------------|--------|--------------|-----------|
|   |                | 86-10(RS-3)        | SCOTT  | 48           | 39        |
| STA. 200+00.00                                |                | CONTRACT NO. 72A16 |        |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                |                    |        |              |           |

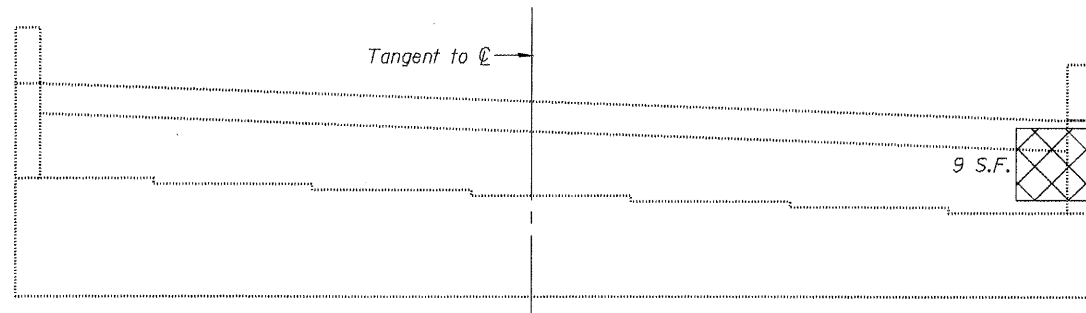
**JD Johnson, Depp & Quisenberry**  
CONSULTING ENGINEERS  
Springfield, Illinois

DESIGNED: JDQ      DRAWN: PTR  
CHECKED: DCD      CHECKED: DCD

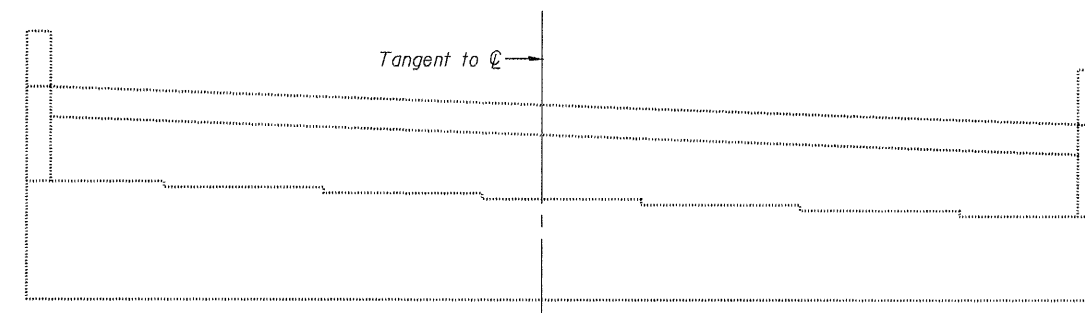
**EJ-SSJ**      11-1-09

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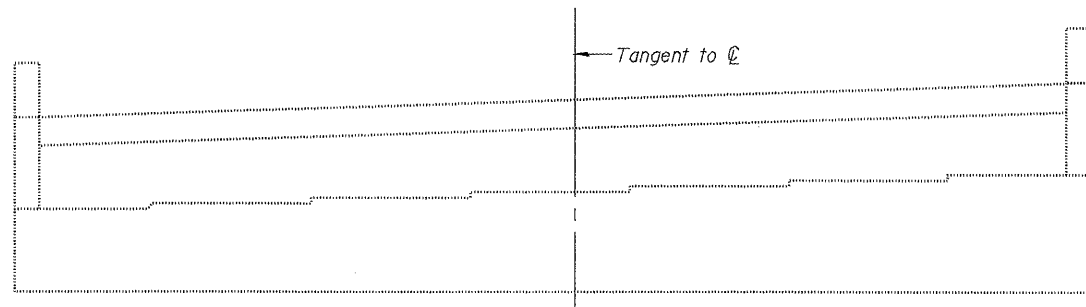
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



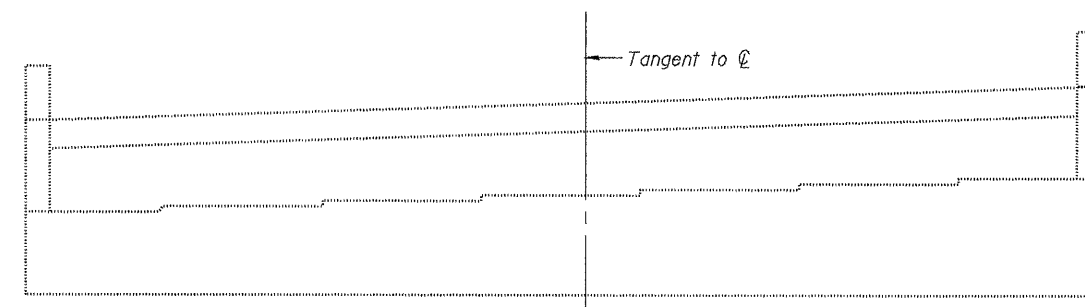
**ELEVATION EAST ABUTMENT (WB)**



**ELEVATION EAST ABUTMENT (EB)**



**ELEVATION WEST ABUTMENT (WB)**



**ELEVATION WEST ABUTMENT (EB)**

**LEGEND**



Spalled Concrete with Exposed Reinf.

**BILL OF MATERIAL**

| Item   | Unit    | EB | WB |
|--|---------|----|----|
| Structural Repair of Concrete (Depth = < 5") | Sq. Ft. | -  | 9  |

**Notes:**

Condition Survey performed 1/15/2010.

Plan quantities assume that areas of "exposed reinforcing" will be repaired.

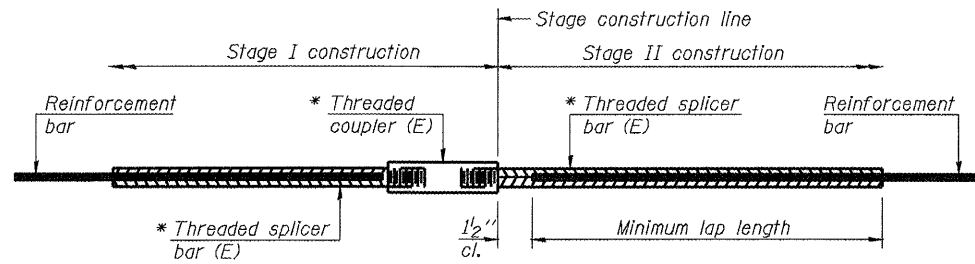
Repair areas are estimated, the Engineer shall determine actual repair locations and record them on the As-Built plans.

**ABUTMENTS**  
**STRUCTURE NO. 086-0023(EB) & 0024(WB)**

|   |             |             |                    |              |           |
|---|-------------|-------------|--------------------|--------------|-----------|
| SHEET 6<br>OF 7                               | F.A.I. RTE. | SECTION     | COUNTY             | TOTAL SHEETS | SHEET NO. |
|   | 72          | 86-10(RS-3) | SCOTT              | 48           | 40        |
| STA. 200+00.00                                |             |             | CONTRACT NO. 72A16 |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |             |             |                    |              |           |

|               |              |
|---------------|--------------|
|               |              |
| DESIGNED: JDO | DRAWN: SJS   |
| CHECKED: DCD  | CHECKED: DCD |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**STANDARD BAR SPLICER ASSEMBLY**

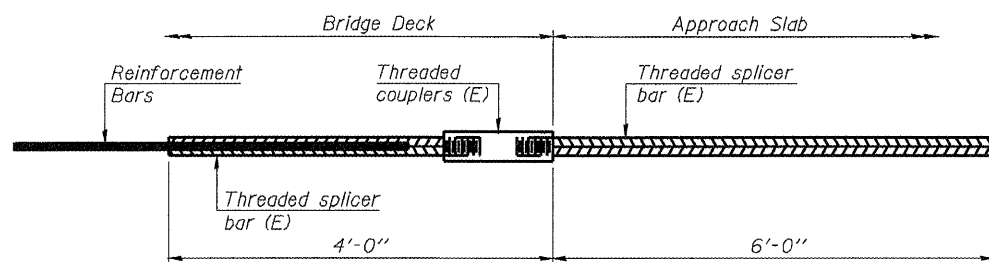
| Minimum Lap Lengths    |         |         |         |         |
|------------------------|---------|---------|---------|---------|
| Bar size to be spliced | Table 1 | Table 2 | Table 3 | Table 4 |
| 3, 4                   | 1'-5"   | 1'-11"  | 2'-1"   | 2'-4"   |
| 5                      | 1'-9"   | 2'-5"   | 2'-7"   | 2'-11"  |
| 6                      | 2'-1"   | 2'-11"  | 3'-1"   | 3'-6"   |
| 7                      | 2'-9"   | 3'-10"  | 4'-2"   | 4'-8"   |
| 8                      | 3'-8"   | 5'-1"   | 5'-5"   | 6'-2"   |
| 9                      | 4'-7"   | 6'-5"   | 6'-10"  | 7'-9"   |

Table 1: Black bar, 0.8 Class C  
Table 2: Black bar, Top bar lap, 0.8 Class C  
Table 3: Epoxy bar, 0.8 Class C  
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Threaded splicer bar length = min. lap length + 1/2" + thread length

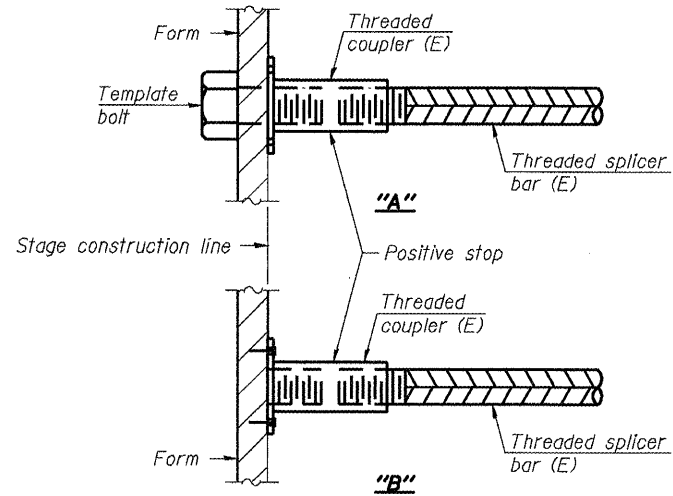
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

| Location          | Bar size | No. assemblies required | Table for minimum lap length |
|-------------------|----------|-------------------------|------------------------------|
| Exp. Jts. (Deck)  | #6       | 20 (EB) & 20 (WB)       | 3                            |
| Exp. Jts. (Abut.) | #6       | 8 (EB) & 8 (WB)         | 3                            |
|                   |          |                         |                              |
|                   |          |                         |                              |



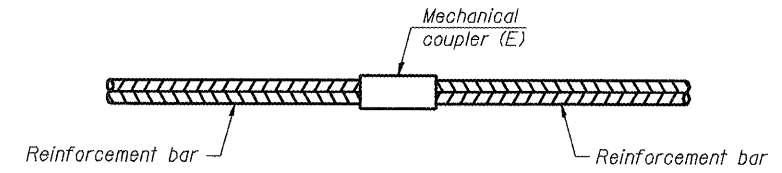
**BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS**

No. required =



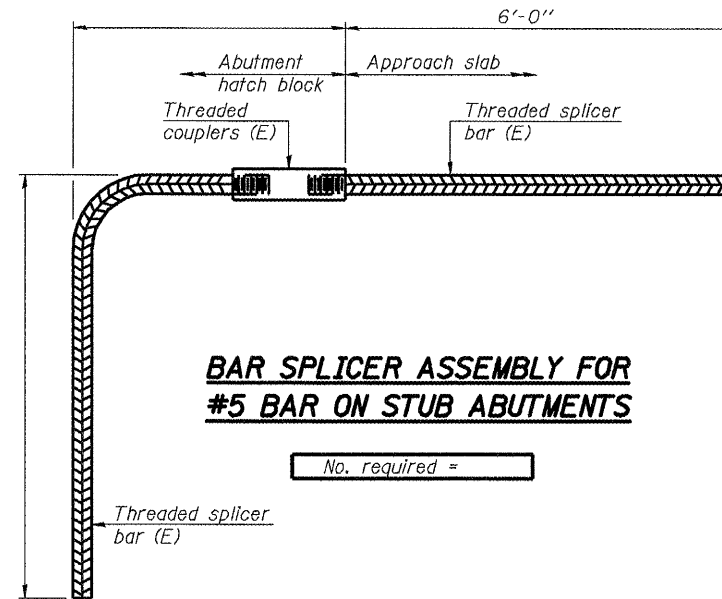
**INSTALLATION AND SETTING METHODS**

"A" : Set bar splicer assembly by means of a template bolt.  
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.  
(E) : Indicates epoxy coating.



**STANDARD MECHANICAL SPLICER**

| Location | Bar size | No. assemblies required |
|----------|----------|-------------------------|
|          |          |                         |
|          |          |                         |
|          |          |                         |
|          |          |                         |



**BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS**

No. required =

**NOTES**

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.  
All reinforcement shall be lapped and tied to the splicer bars.  
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.  
See special provision for Mechanical Splicers.  
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS  
STRUCTURE NO. 086-0023(EB) & 0024(WB)**

| SHEET 7<br>OF 7     | F.A.I. RTE.<br>72 | SECTION                   | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|-------------------|---------------------------|--------|--------------|-----------|
|                     |                   | 86-10(RS-3)               | SCOTT  | 48           | 41        |
| STA. 200+00.00      |                   | CONTRACT NO. T2A16        |        |              |           |
| FED. ROAD DIST. NO. |                   | ILLINOIS FED. AID PROJECT |        |              |           |

**JD Johnson, Depp & Quisenberry**  
CONSULTING ENGINEERS  
Springfield, Illinois

|               |              |
|---------------|--------------|
| DESIGNED: JDQ | DRAWN: SJS   |
| CHECKED: DCD  | CHECKED: DCD |

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EXISTING STRUCTURE: S.N. 069-0054, originally constructed in 1976 as FA Route 408 Sec. 69-6HB-1 at Station 394+00.00, using 54" welded steel I-girders with 7" concrete deck and 1 1/2" bituminous wearing surface, 2 spans (plus abutment spans), 297'-8" back-back approach bents, 32'-0" out-out width, vaulted abutments on concrete piles, multi-column piers with footings on concrete piles. Wearing surface was replaced with concrete overlay (year unknown).

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**INDEX OF SHEETS**

| Sheet No. | Description                        |
|-----------|------------------------------------|
| 1         | Gen Plan, Gen Notes, Bill of Mat'l |

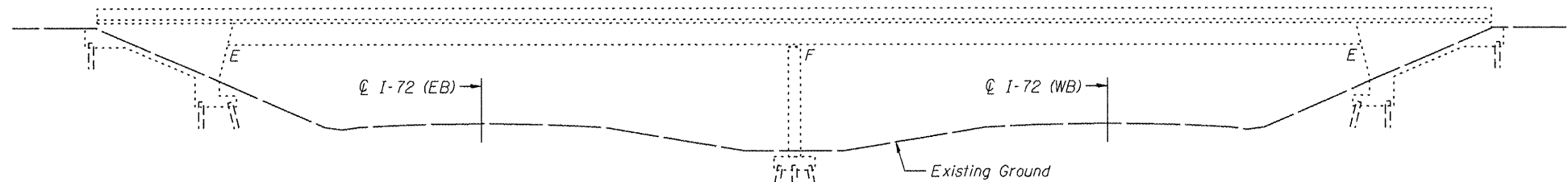
Staged construction shall be used to maintain one lane of traffic.

**GENERAL NOTES**

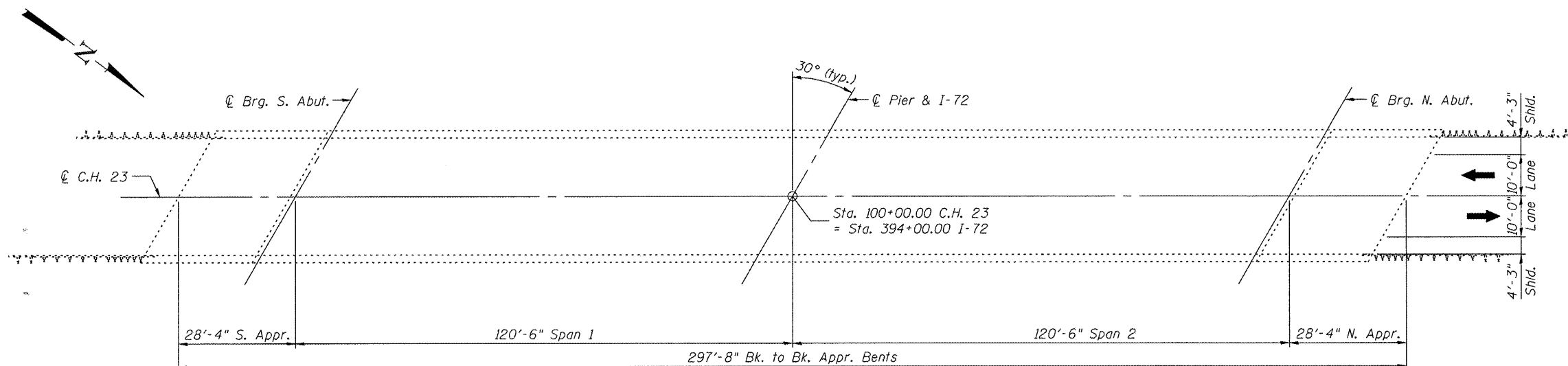
Traffic Control shall be according to Standard 701201.

**SCOPE OF WORK:**

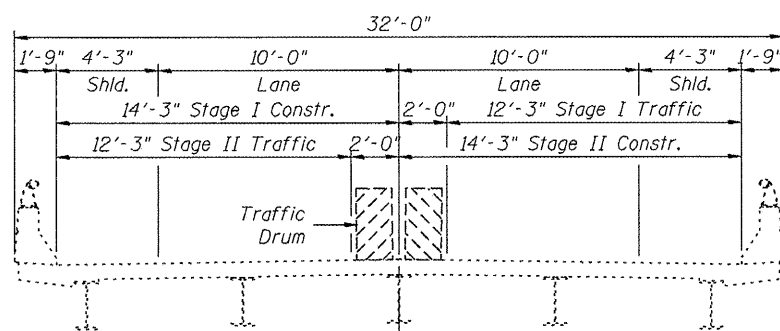
- Remove and replace existing silicone joint sealer at both abutments.



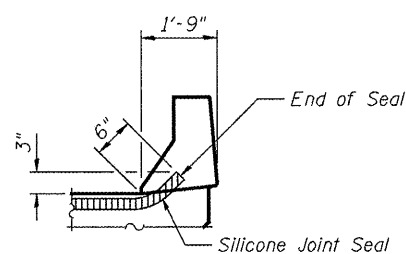
**ELEVATION**



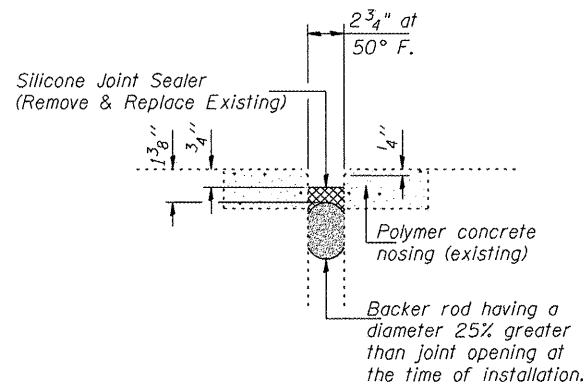
**PLAN**



**CROSS SECTION**  
(Looking North)



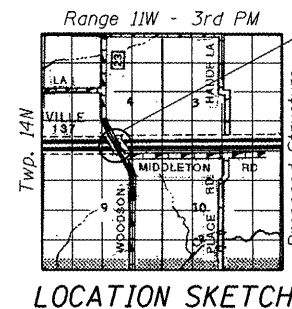
**TYPICAL END OF SEAL TREATMENT AT EXPANSION JOINT**



**SILICONE JOINT SEALER DETAIL**  
(Typical for both Abutments)

**TOTAL BILL OF MATERIAL**

| ITEM                          | UNIT | SUPER | SUB | TOTAL |
|-------------------------------|------|-------|-----|-------|
| Silicone Joint Sealer, 2 3/4" | Foot | 68    | --  | 68    |



**LOCATION SKETCH**

**GENERAL PLAN & ELEVATION**  
**C.H. 23 OVER INTERSTATE 72**  
**FAI RTE. 72 SECTION 69-6(RS-2)**  
**MORGAN COUNTY**  
**STATION 394+00.00**  
**STRUCTURE NO. 069-0054**

| SHEET | F.A.I. RTE. | SECTION             | COUNTY   | TOTAL SHEETS     | SHEET NO.          |
|-------|-------------|---------------------|----------|------------------|--------------------|
| 1     | 72          | 69-6(RS-2)          | MORGAN   | 48               | 42                 |
| OF 1  |             | STA. 394+00.00      |          |                  | CONTRACT NO. 72A16 |
|       |             | FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT |                    |

**JD Johnson, Depp & Quisenberry**  
CONSULTING ENGINEERS  
Springfield, Illinois

DESIGNED: JDO DRAWN: SJS  
CHECKED: DCD CHECKED: DCD

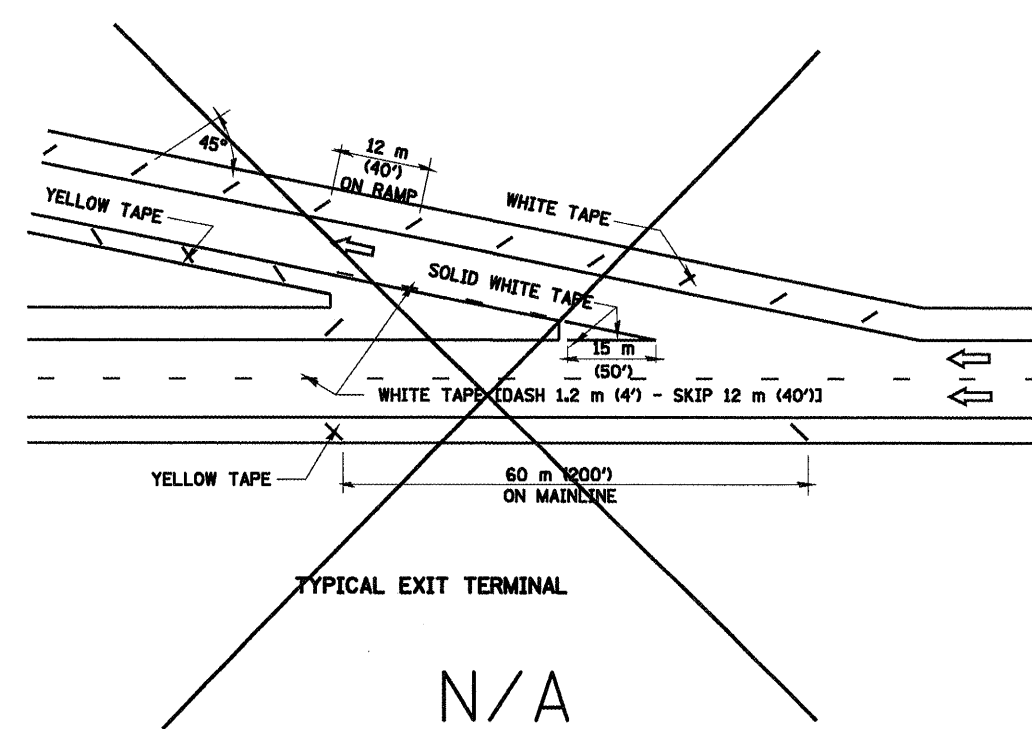
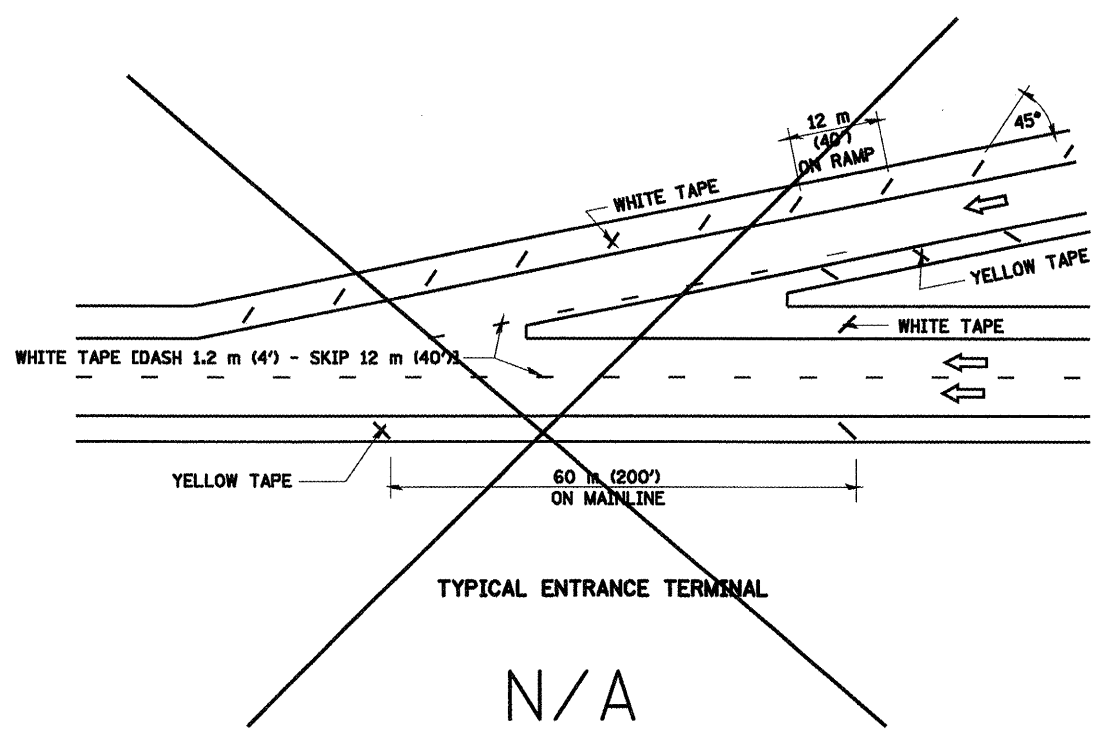
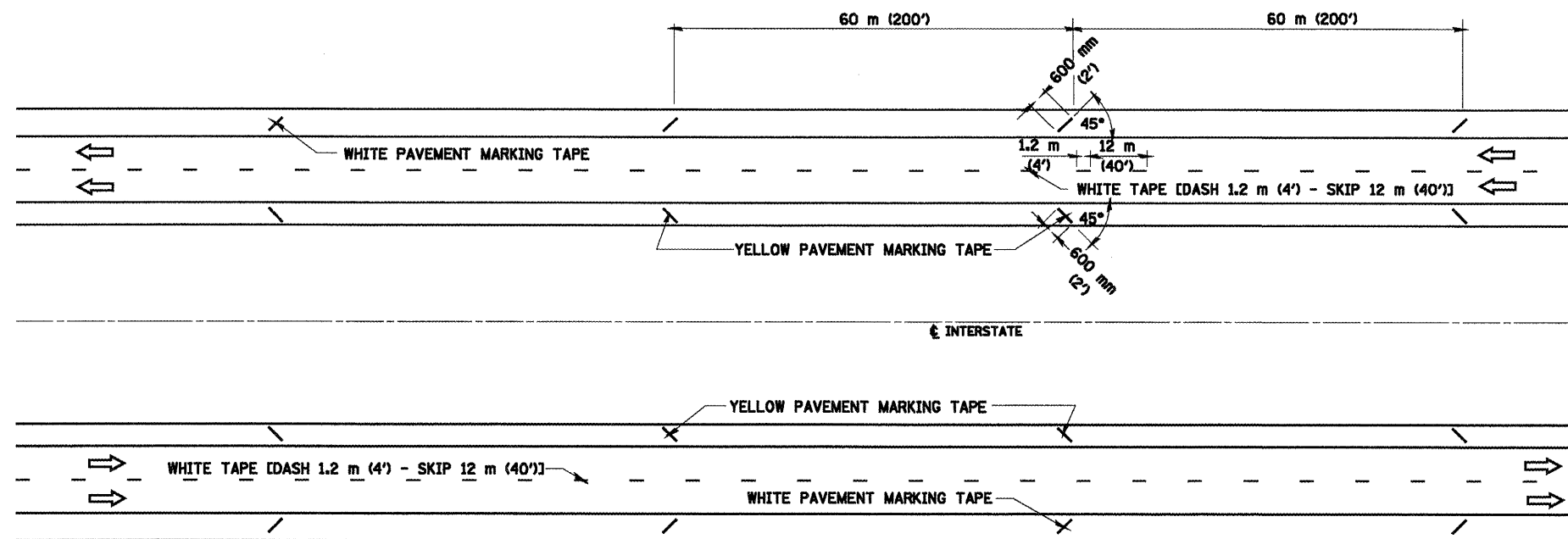


Signed: *David Depp*  
Date: 3-30-2010  
Lic. Expires: 11-30-2010

FILE: J:\JDO\11085 IL\069\069-0054-72A16-001-gplan.dgn USER: DCD DATE: 03/30/2010 16:02:40



TYPICAL SHORT TERM PAVEMENT MARKING FOR INTERSTATE ROUTES



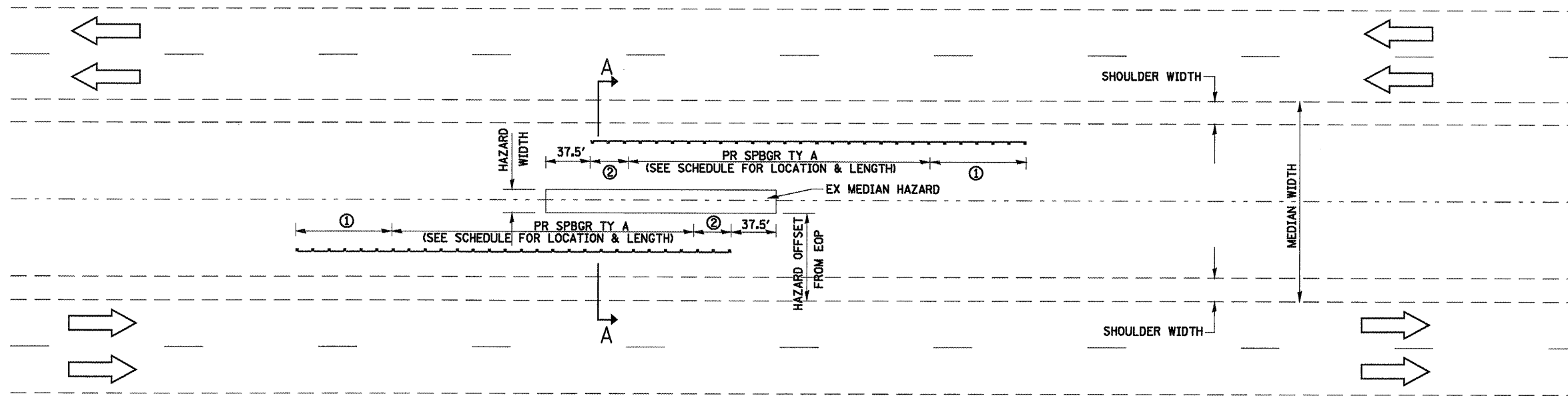
• 86-10RS-3, 69-GRS-2, 69-1RS  
 \*\* SCOTT, MORGAN

|   |                                    |            |           |
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|   | PLOT DATE = Apr-06-2010 10:30:56AM | DATE -     | REVISED - |

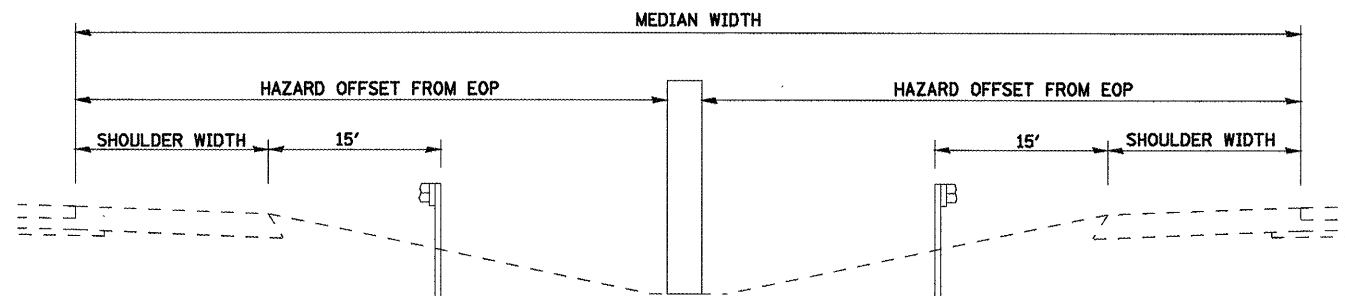
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

|   |           |           |              |
|---|-----------|-----------|--------------|
| <b>SHORT TERM PAVEMENT MARKING<br/>         FOR INTERSTATE ROUTES</b> |           |           |              |
| SCALE:  | SHEET NO. | OF SHEETS | STA. TO STA. |

|   |         |        |              |           |
|---|---------|--------|--------------|-----------|
| F.A.I. RTE.                                   | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 72  |         | **     | 48           | 43        |
| CONTRACT NO. 72A16                            |         |        |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |        |              |           |



- ① PR TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)
  - ② PR TRAFFIC BARRIER TERMINAL, TYPE 2
- NOTE: TYPE 2 TERMINATES 37.5 FT BEFORE END OF HAZARD



**SECTION A-A**  
(TYPICAL CROSS SECTION)

**NOTES:**  
 THE CONTRACTOR WILL BE REQUIRED TO CONTACT THE OPERATIONS ENGINEER (217) 782-7314 AT LEAST 72 HOURS PRIOR TO DRIVING ANY POSTS. TO MAKE SURE STATE OWNED UTILITIES ARE NOT IN THE WAY.  
 ALL GUARDRAIL SHALL HAVE A PRELIMINARY LAYOUT. GUARDRAIL POSTS SHALL BE ADJUSTED SO AS TO MISS ANY SHOULDER DRAINS, INLETS, PIPE CULVERTS, STORM SEWER OR ANY OTHER HAZARD THAT MAY INTERFERE WITH GUARDRAIL CONSTRUCTION.

• 86-10RS-3, 69-GRS-2, 69-IRS  
 \*\* SCOTT, MORGAN

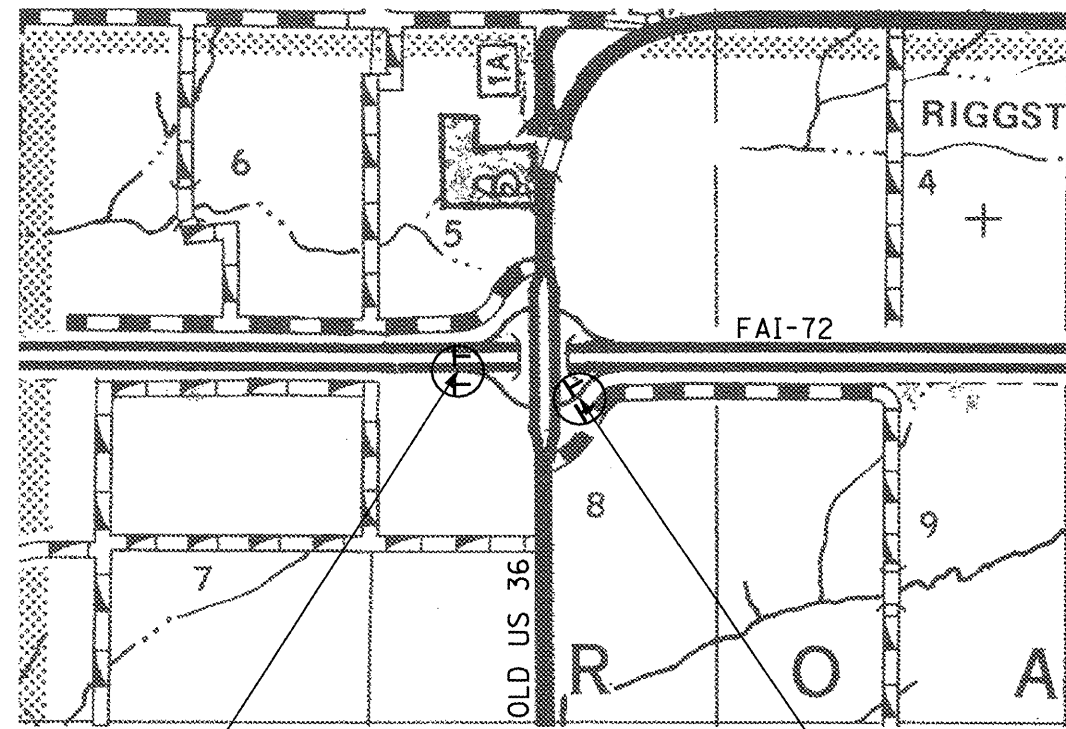
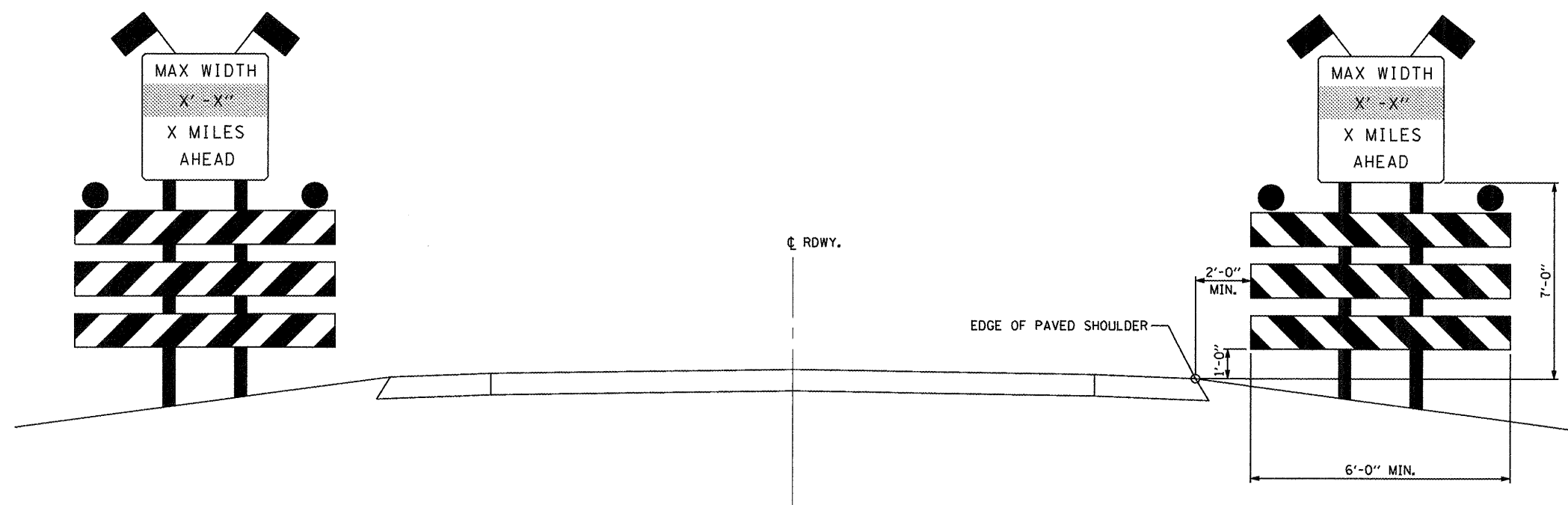
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|  |                        | DATE -     | REVISED - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

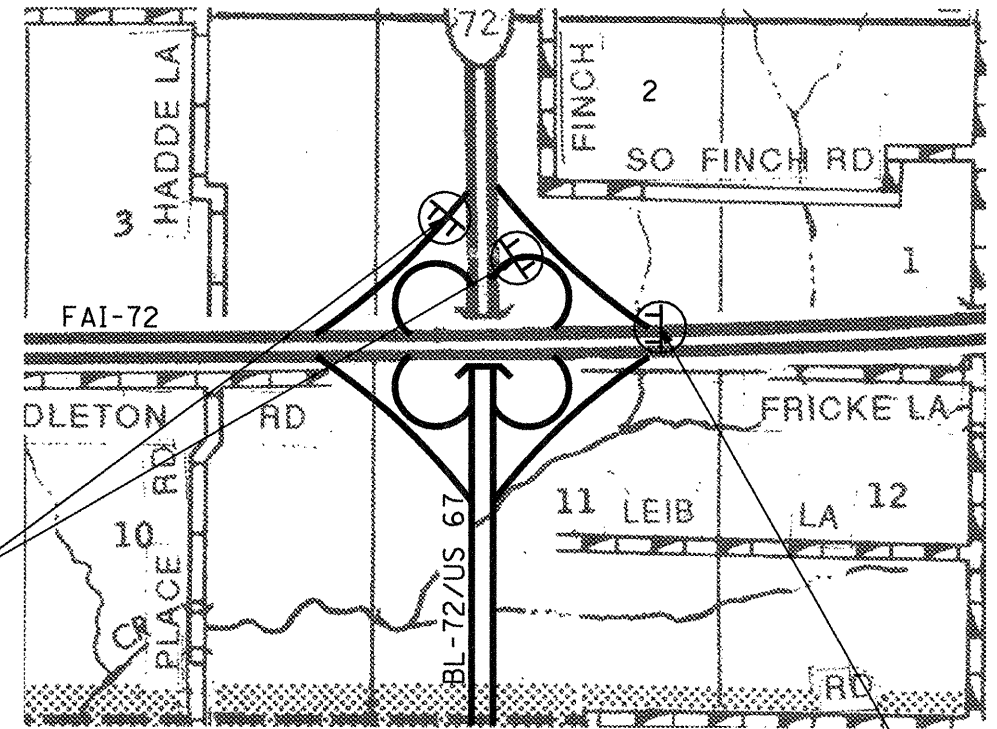
PROPOSED PROTECTION OF MEDIAN HAZARD  
 WITH PROPOSED GUARDRAIL DETAIL

SCALE: SHEET NO. OF SHEETS STA. TO STA.

|                     |         |        |                           |           |
|---------------------|---------|--------|---------------------------|-----------|
| F.A.I. RTE.         | SECTION | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 72                  | .       | **     | 48                        | 44        |
| FED. ROAD DIST. NO. |         |        | ILLINOIS FED. AID PROJECT |           |
|                     |         |        | CONTRACT NO. 72A16        |           |



**WINCHESTER INTERCHANGE**  
(STAGE II CONSTRUCTION SN 086-0023/24)



**BL-72/US 67 INTERCHANGE**  
(STAGE II CONSTRUCTION SN 086-0023/24)

MAX WIDTH  
12'-9"  
4 MILES  
AHEAD

MAX WIDTH  
12'-9"  
4 MILES  
AHEAD

MAX WIDTH  
12'-9"  
5 MILES  
AHEAD

MAX WIDTH  
12'-9"  
5 MILES  
AHEAD

• 86-10RS-3, 69-6RS-2, 69-IRS  
• SCOTT, MORGAN

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

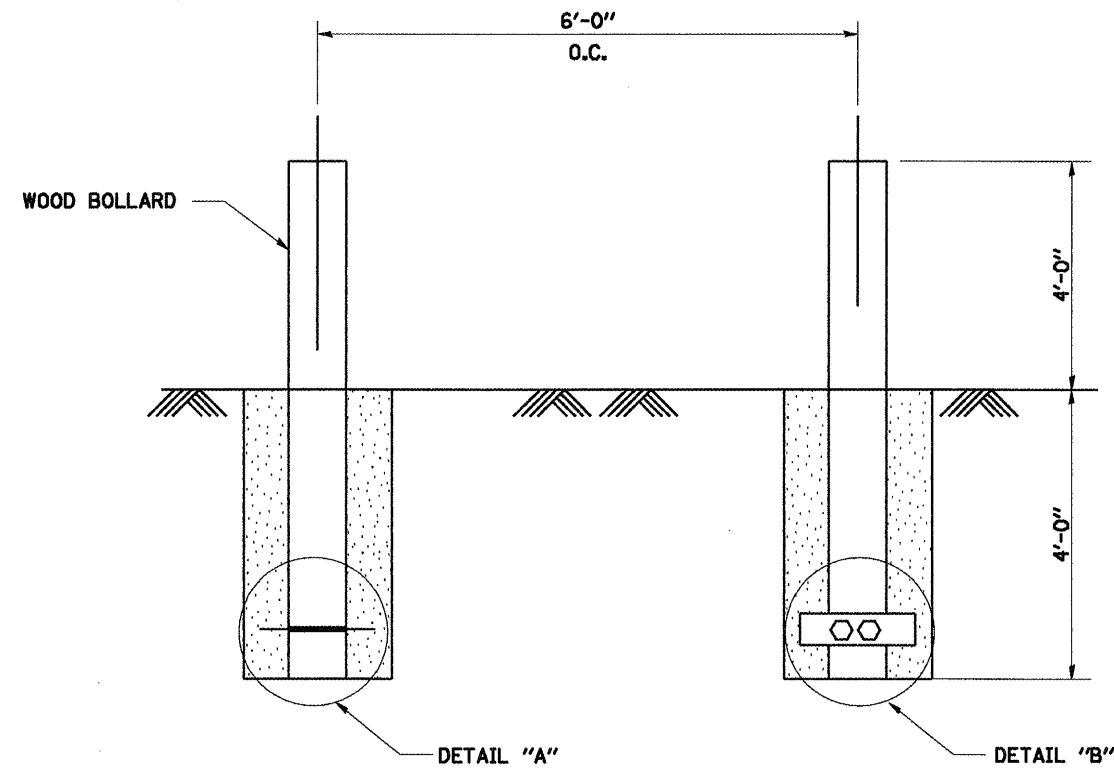
**WIDTH RESTRICTION SIGNING**

|  |                        |            |           |
|--|------------------------|------------|-----------|
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|  |                        | DATE -     | REVISED - |

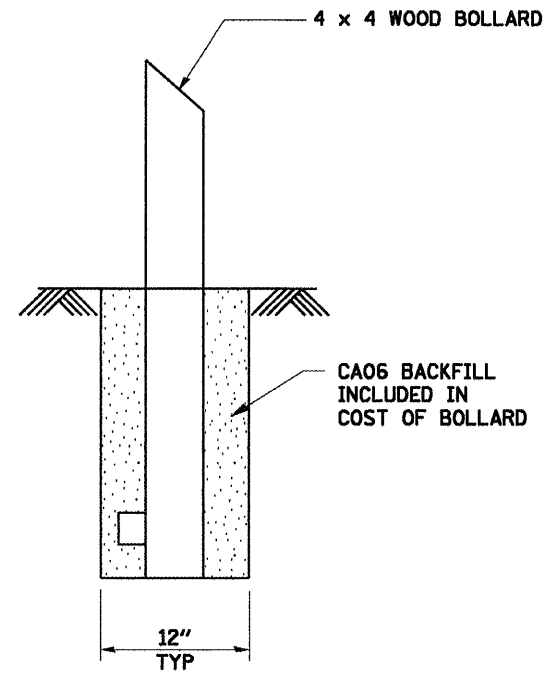


|        |                     |              |
|--------|---------------------|--------------|
| SCALE: | SHEET NO. OF SHEETS | STA. TO STA. |
|--------|---------------------|--------------|

|   |         |        |              |           |
|---|---------|--------|--------------|-----------|
| F.A.I. RTE.                                   | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 72  | .       | **     | 48           | 45        |
| CONTRACT NO. 72A16                            |         |        |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |        |              |           |



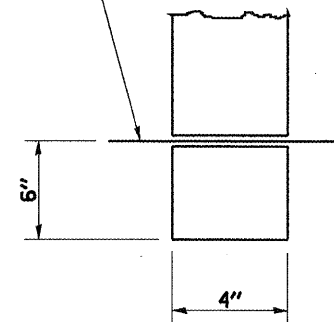
TOPS OF BOLLARDS SHALL BE SLOPED SO WATER DOES NOT PUDDLE



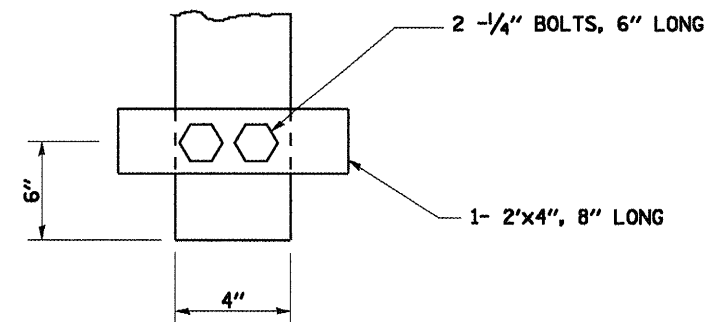
**NOTES:**

- ① WOOD BOLLARD INSTALLATION SHALL INCLUDE EITHER DETAIL "A" OR "B"
- ② FIVE (5) BOLLARDS SHALL BE PLACED AT EACH LOCATION IDENTIFIED IN THE PLANS. THE WORK OF FURNISHING AND INSTALLING BOLLARDS WILL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR BOLLARDS.
- ③ EXISTING BOLLARDS SHALL BE REMOVED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR BOLLARD REMOVAL.

1-5# BAR 10" LONG, DRIVEN THRU 5/8" HOLE DRILLED THRU WOOD BOLLARD



DETAIL A



DETAIL B

• 86-10RS-3, 69-6RS-2, 69-1RS  
•• SCOTT, MORGAN

|   |                        |            |           |
|---|------------------------|------------|-----------|
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|   |                        | DATE -     | REVISED - |

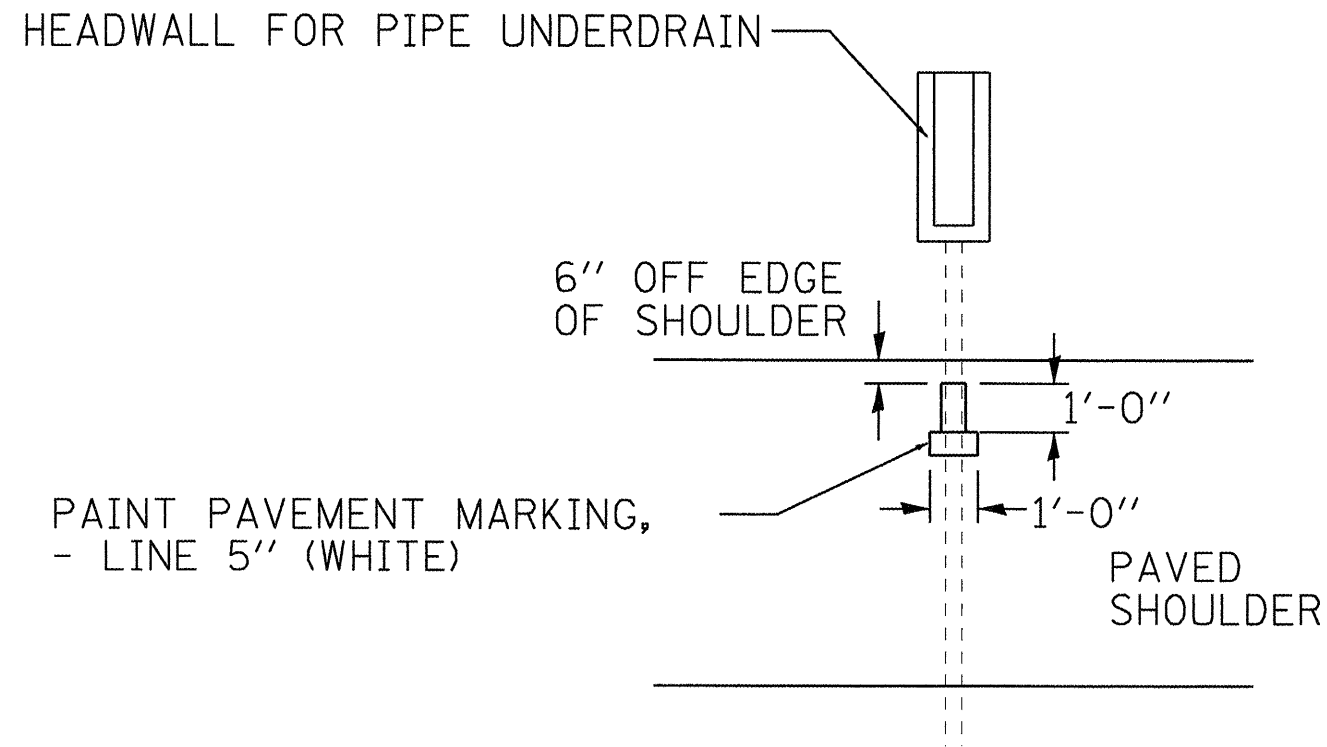
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|                            |           |           |              |
|----------------------------|-----------|-----------|--------------|
| <b>WOOD BOLLARD DETAIL</b> |           |           |              |
| SCALE:                     | SHEET NO. | OF SHEETS | STA. TO STA. |

|   |         |        |              |           |
|---|---------|--------|--------------|-----------|
| F.A.I. RTE.                                   | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 72  | .       | ••     | 48           | 46        |
| CONTRACT NO. 72A16                            |         |        |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |        |              |           |



# TYPICAL PIPE UNDERDRAIN MARKER DETAIL



OUTLET MARKERS SHALL BE PLACED ON FINAL SHOULDER

• 86-1ORS-3, 69-6RS-2, 69-1RS  
•• SCOTT, MORGAN

FILE NAME =  
e:\pwwork\PMIDOT\LAUGHLIN\102196700\672A16-Sht-details.dgn

**JD Johnson, Dapp & Odenberry**  
CONSULTING ENGINEERS  
Springfield, Illinois

USER NAME = laughlinr1  
PLOT SCALE = 100.0000' / IN.  
PLOT DATE = Apr-06-2010 10:31:02AM

|            |           |
|------------|-----------|
| DESIGNED - | REVISED - |
| DRAWN -    | REVISED - |
| CHECKED -  | REVISED - |
| DATE -     | REVISED - |

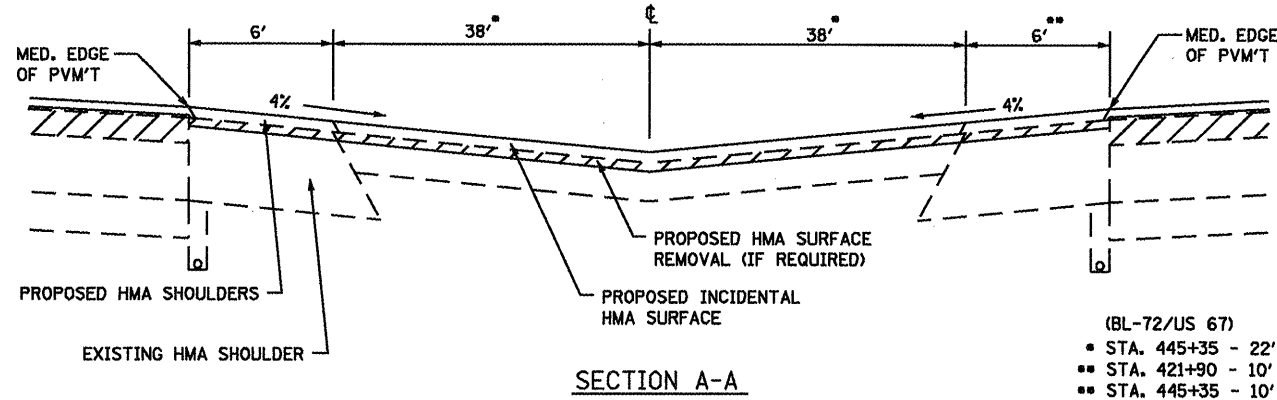
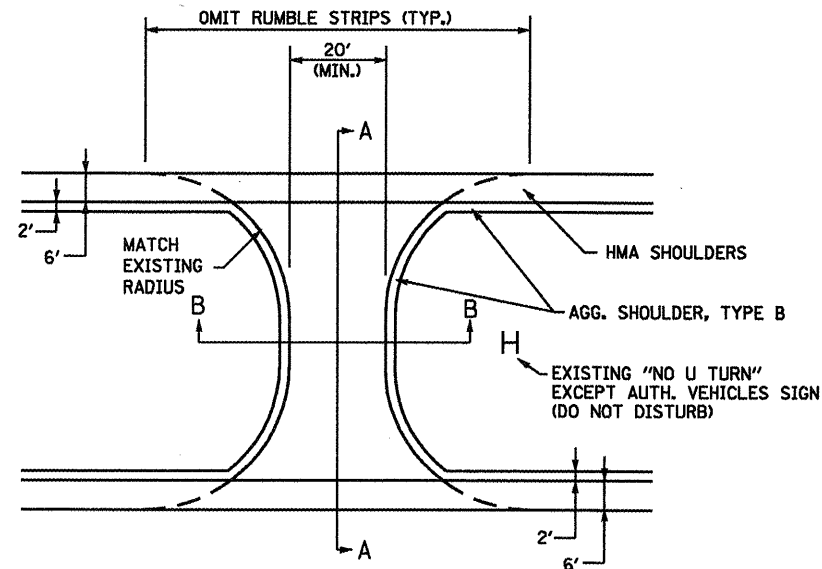
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL PIPE UNDERDRAIN  
MARKER DETAIL**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

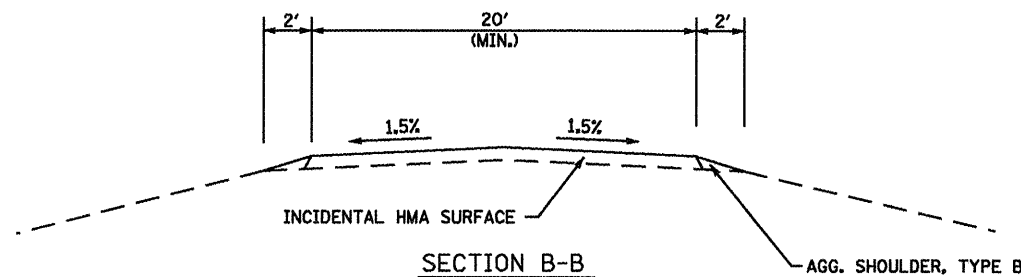
| F.A.I. RTE.                                   | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|--------|--------------|-----------|
| 72  |         | ••     | 48           | 47        |
| CONTRACT NO. 72A16                            |         |        |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |        |              |           |

# MEDIAN CROSS-OVER DETAIL



SECTION A-A

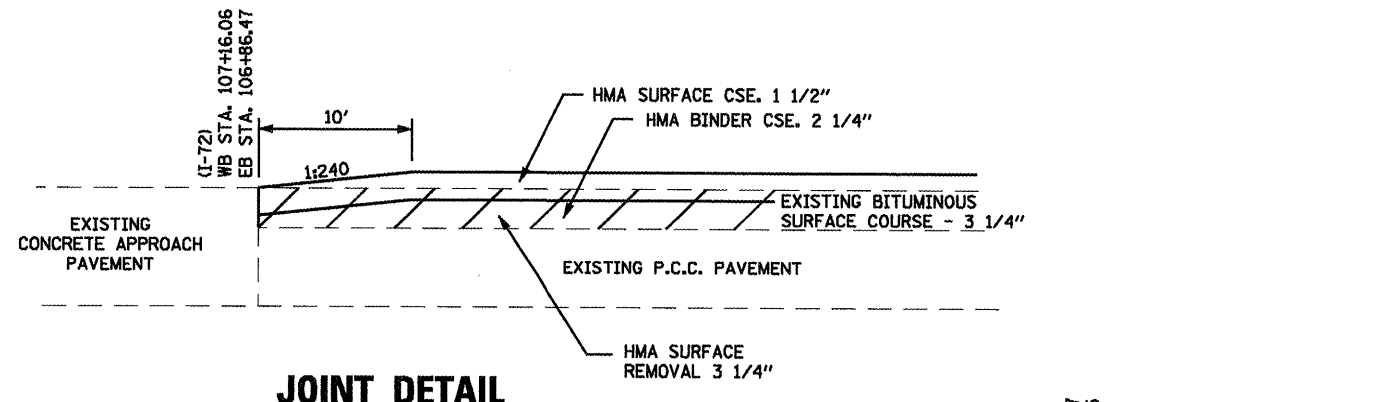
(BL-72/US 67)  
 • STA. 445+35 - 22'  
 •• STA. 421+90 - 10'  
 ••• STA. 445+35 - 10'



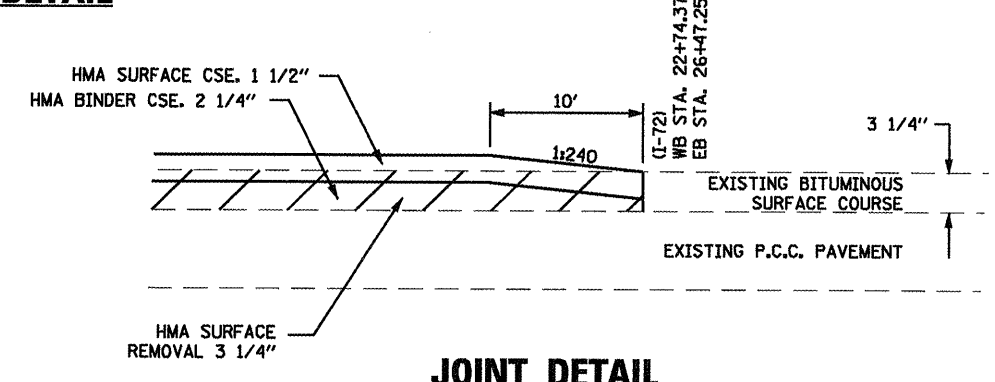
SECTION B-B

**LOCATION**

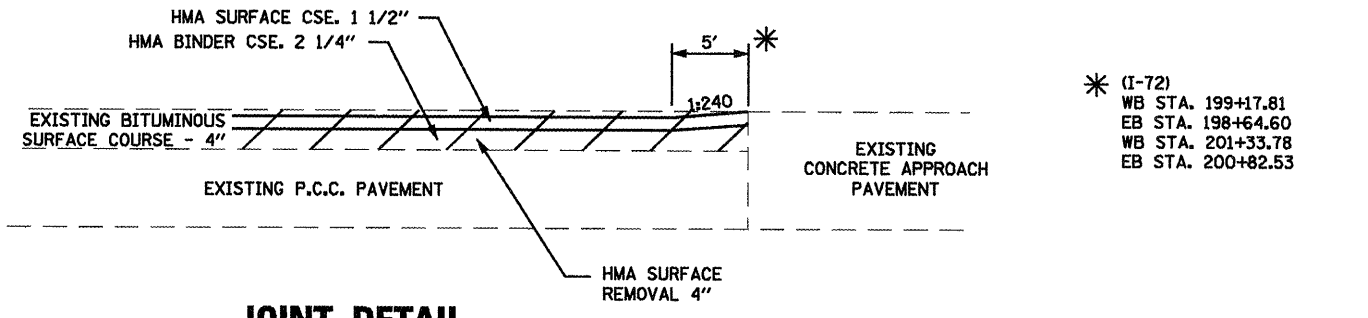
| LOCATION      | PROP. HMA SURF. REM. | PROP. INCIDENTAL HMA THICKNESS |
|---------------|----------------------|--------------------------------|
| (I-72)        |                      |                                |
| STA. 260+77   | 1 1/2"               | 2"                             |
| STA. 435+00   | 1 1/2"               | 2"                             |
| (BL-72/US 67) |                      |                                |
| STA. 360+41   | --                   | 3 3/4"                         |
| STA. 384+16   | --                   | 3 3/4"                         |
| STA. 421+90   | --                   | 3 3/4"                         |
| STA. 445+35   | --                   | 3 3/4"                         |



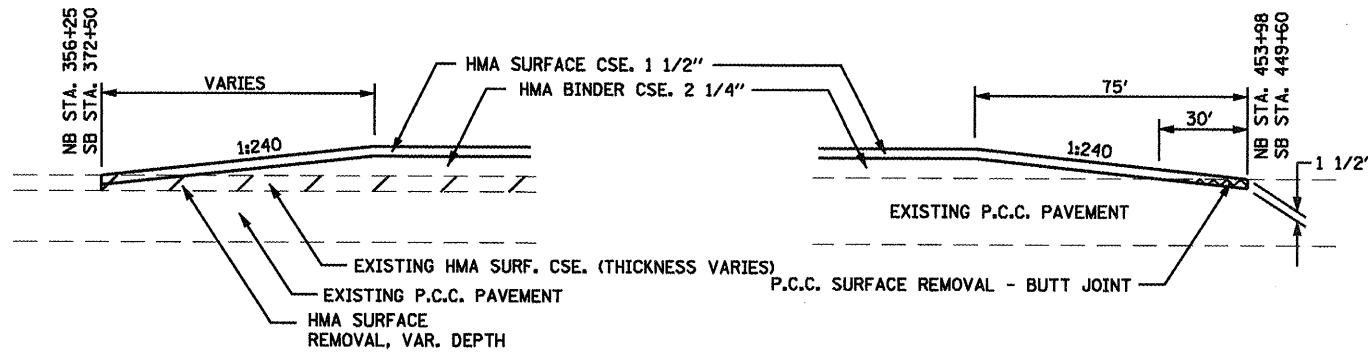
JOINT DETAIL



JOINT DETAIL



JOINT DETAIL



JOINT DETAIL

BUTT JOINT DETAIL - PCC

(BL-72/US 67)

(BL-72/US 67)

• 86-1ORS-3, 69-6RS-2, 69-1RS  
 •• SCOTT, MORGAN

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MEDIAN CROSSOVER, BUTT JOINT  
 & JOINT DETAILS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------|--------|--------------|-----------|
| 72          |         |        | 48           | 48        |

CONTRACT NO. 72A16

FILE NAME =  
 USER NAME = laughlinr  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -  
 REVISIONS -  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

Johnson, Dapp & Olesenberry  
 CONSULTING ENGINEERS  
 Springfield, Illinois

PLOT SCALE = 48.0000 "/ IN.  
 PLOT DATE = Apr-26-2010 10:31:04AM

SCALE: SHEET NO. OF SHEETS STA. TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT