

|           |                          |                    |              |           |
|-----------|--------------------------|--------------------|--------------|-----------|
| F.A. RTE. | SECTION                  | COUNTY             | TOTAL SHEETS | SHEET NO. |
| VAR       | D3-J REPLACEMENT FY 2017 | ILLINOIS           | 33           | 22        |
|           |                          | CONTRACT NO. 66F83 |              |           |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

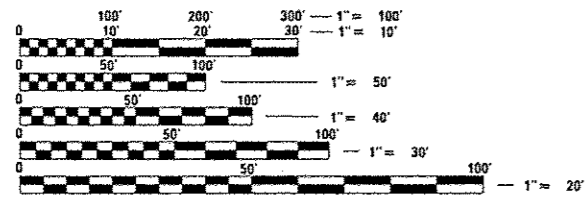
**PROPOSED  
HIGHWAY PLANS**

**VARIOUS ROUTES  
SECTION D3-J REPLACEMENT 2017  
PROJECT HSIP-060V(097)  
GUARDRAIL END SECTION REPLACEMENT  
VARIOUS COUNTIES**

C-93-009-17

| INDEX OF SHEETS |                        | INDEX OF SHEETS |                   |
|-----------------|------------------------|-----------------|-------------------|
| SHEET NO.       | DESCRIPTION            | SHEET NO.       | DESCRIPTION       |
| 1               | COVER SHEET            | 21              | LOC 6, 038-0197   |
| 2               | GENERAL NOTES          | 22              | LOC 7, 038-0025   |
| 3-4             | SUMMARY OF QUANTITIES  | 23              | LOC 9, 038-2515   |
| 5-7             | SCHEDULE OF QUANTITIES | 24              | LOC 11, 038-2004  |
| 8-12            | COUNTY LOCATION MAPS   | 25              | LOC 20, 046-0115  |
| 13              | LOC 19, 047-11047      | 26              | LOC 21, 046-0116  |
| 14              | LOC 1, 032-0112        | 27              | LOC 22, 046-0117  |
| 15              | LOC 2, 032-0094        | 28              | LOC 23, 046-0118  |
| 16              | LOC 3, 032-0079        | 29              | LOC 15, 046-0021  |
| 17              | LOC 14, 027-2523       | 30              | LOC 16, 046-2008  |
| 18              | LOC 12, 038-0140, 0170 | 31              | LOC 17, 046-11001 |
| 19              | LOC 4, 038-0164        | 32              | LOC 18, 046-11001 |
| 20              | LOC 5, 038-0023        | 33              | DISTRICT DETAILS  |

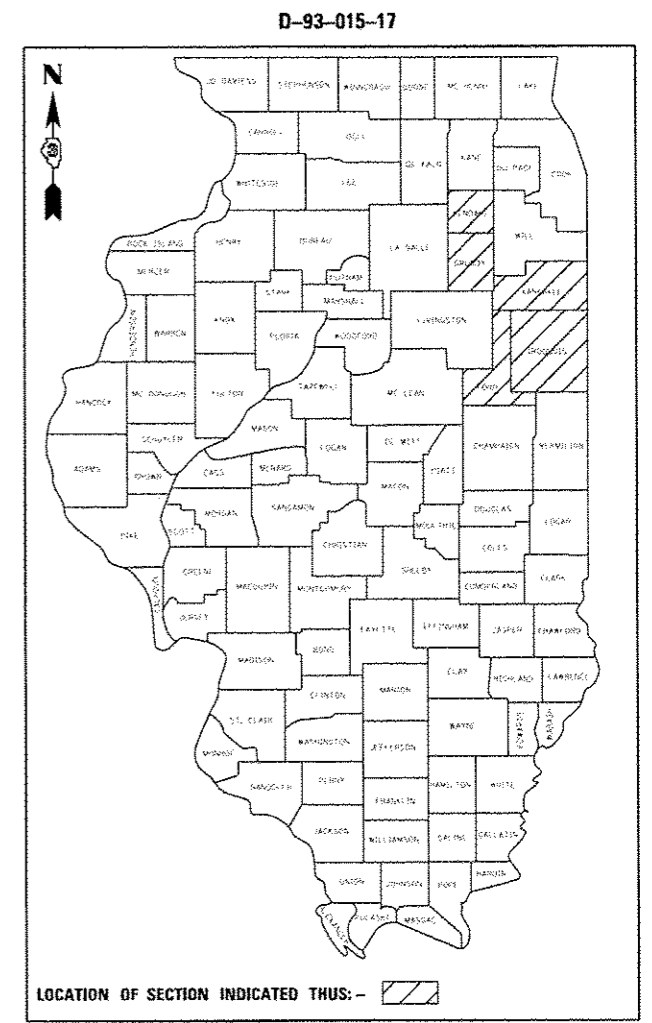
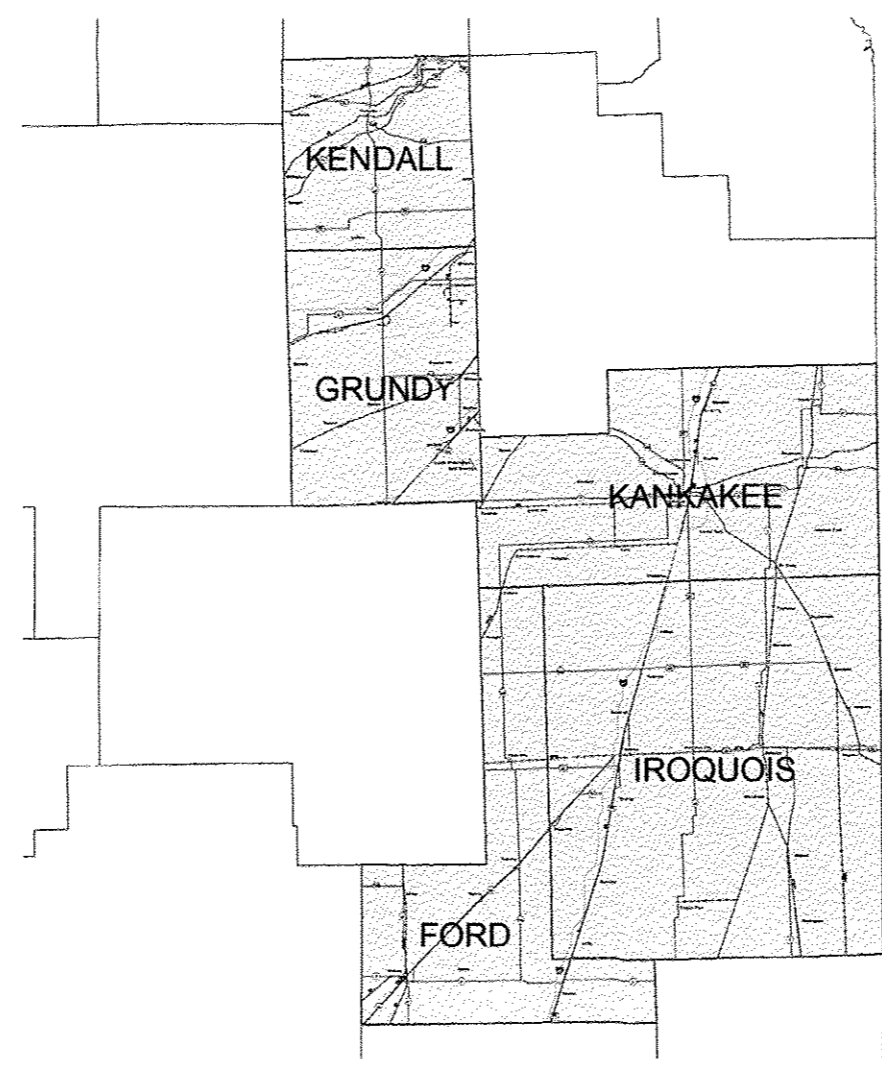
| STD. NO.  | TITLE   |
|-----------|---|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS                              |
| 001001-02 | AREAS OF REINFORCEMENT BARS   |
| 001006-   | DECIMAL OF AN INCH AND OF A FOOT  |
| 606001-06 | CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER                      |
| 630001-11 | STEEL PLATE BEAM GUARDRAIL  |
| 630101-10 | STRONG POST GUARDRAIL ATTACHED TO CULVERT                                 |
| 630106-02 | LONG-SPAN GUARDRAIL OVER CULVERTS   |
| 630201-07 | PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL                       |
| 630301-07 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS                |
| 631011-10 | TRAFFIC BARRIER TERMINAL, TYPE 2  |
| 631031-15 | TRAFFIC BARRIER TERMINAL, TYPE 6  |
| 631032-09 | TRAFFIC BARRIER TERMINAL, TYPE 6A   |
| 631033-07 | TRAFFIC BARRIER TERMINAL, TYPE 6B   |
| 635001-02 | DELINEATORS   |
| 701001-02 | OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY                      |
| 701006-05 | OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600m) FROM PAVEMENT EDGE    |
| 701101-05 | OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600m) FROM PAVEMENT EDGE |
| 701106-02 | OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY                   |
| 701201-04 | LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH                       |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATION                                |
| 701326-04 | LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH              |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED                                     |
| 701601-09 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN        |
| 701901-06 | TRAFFIC CONTROL DEVICES   |
| 725001-01 | OBJECT AND TERMINAL MARKERS   |
| 782006    | GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS                     |



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 DAVE ALEXANDER, P.E.  
SQUAD LEADER PAT BRABOY, P.E.  
DISTRICT 3 NO. (815) 434-6131  
CONTRACT NO. 66F83



PROFESSIONAL ENGINEER'S SIGN & SEAL  
Peter M. Johnston  
1-31-17  
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS  
EXPIRES: 11-30-17

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
SUBMITTED 2-3 20 17  
Kevin Marchese, Regional Engineer  
Mar 24 20 17  
Maureen M. Addis, P.E., Engineer of Design and Environment  
Mar 24 20 17  
Director of Program Development

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OF THE STATE OF ILLINOIS

REV

GENERAL NOTES

1. FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
2. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.
3. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
4. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
5. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.
6. ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.
7. NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:  
ILLINOIS DEPARTMENT OF TRANSPORTATION.
8. THE CONTRACTOR SHALL CONTACT "J.U.L.I.E." (800-892-0123) AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.
9. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES WHO HAVE UTILITIES WITHIN THE PROJECT LIMITS.
10. THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR A MINIMUM 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
11. THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES (100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.
12. ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.
13. THERE ARE SEVERAL AREAS THROUGHOUT THE PROJECT WHERE THERE IS EXISTING HMA SHOULDER WHERE CURB AND GUTTER IS TO BE PLACED. REMOVAL OF THE HMA SHOULDER SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE SPBGR.
14. GUARDRAIL POSTS THAT NEED TO BE DRIVEN THROUGH EXISTING HMA SHOULDER OR CONCRETE SHOULDER SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF SPBGR.
15. DETAILED LOCATION INFORMATION AVAILABLE FROM DISTRICT UPON REQUEST.
16. GUARDRAIL POSTS THAT NEED TO BE DRIVEN THROUGH EXISTING BITUMINOUS SHOULDER OR CONCRETE CURB SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF SPBGR.

ABBREVIATIONS

SPBGR TY A = STEEL PLATE BEAM GUARDRAIL, TYPE A  
 SPBGR ATTACH TO STR = STEEL PLATE BEAM GUARDRAIL ATTACHED TO STRUCTURE  
 LSG OV CUL = LONG-SPAN GUARDRAIL OVER CULVERT  
 TBT T2 = TRAFFIC BARRIER TERMINAL, TYPE 2  
 TBT T6 = TRAFFIC BARRIER TERMINAL, TYPE 6  
 TBT T6A = TRAFFIC BARRIER TERMINAL, TYPE 6A  
 TBT T1 (SPL) TAN = TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT  
 N.I.C. = NOT IN CONTRACT  
 EOTW = EDGE OF TRAVELED WAY

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DISTRICT THREE  
 AS BUILT INFORMATION

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

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

START & END DATES  
 OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DISTRICT THREE  
 PREPARED BY: Tom Benil  
 DISTRICT STUDIES & PLANS ENGINEER

DATE: 2-3-17

EXAMINED BY: [Signature]  
 DISTRICT CONSTRUCTION ENGINEER

W. J. Phillips  
 DISTRICT MATERIALS ENGINEER

[Signature]  
 DISTRICT OPERATIONS ENGINEER

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8501 N. Higgins Road, Suite 280  
 Chicago, Illinois 60631  
 (773) 399-0112

| USER NAME = #USER#               | DESIGNED - | REVISED - |
|----------------------------------|------------|-----------|
| PLOT DRIVER = 28073028-21.pltcfq | DRAWN -    | REVISED - |
| PEN TABLE = 28073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 2.0000 / 1"         | DATE -     | REVISED - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GUARDRAIL END SECTION REPLACEMENT  
 GENERAL NOTES

SCALE: #SCALE SHEET GEN01 OF GEN01 SHEETS STA. TO STA.

| F.A. R.T.E. VAR.          | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO.          |
|---------------------------|---------|---------|--------------|--------------------|
|                           | VARIOUS | VARIOUS | 33           | 2                  |
| ILLINOIS FED. AID PROJECT |         |         |              | CONTRACT NO. 66F83 |

0021 90% FED / 10% STATE

| CODE NO. | ITEM DESCRIPTION                                  | UNIT  | TOTAL QUANTITY | FORD | GRUNDY | IROQUOIS | KANKAKEE | KENDALL |
|----------|---|-------|----------------|------|--------|----------|----------|---------|
| 20200100 | EARTH EXCAVATION                                  | CU YD | 2,285          | 146  | 180    | 961      | 844      | 154     |
| 20400800 | FURNISHED EXCAVATION                              | CU YD | 665            | 32   | 54     | 280      | 257      | 42      |
| 25000210 | SEEDING, CLASS 2A                                 | ACRE  | 2.6            | 0.1  | 0.1    | 1.1      | 1.1      | 0.2     |
| 25100630 | EROSION CONTROL BLANKET                           | SQ YD | 13,711         | 876  | 1,080  | 5,764    | 5,066    | 925     |
| 28000400 | PERIMETER EROSION BARRIER                         | FOOT  | 10,850         | 500  | 1,200  | 4,700    | 3,900    | 550     |
| 42001300 | PROTECTIVE COAT                                   | SQ YD | 3              |      | 3      |          |          |         |
| 44000300 | CURB REMOVAL                                      | FOOT  | 592            | 0    | 80     | 256      | 256      | 0       |
| 50300255 | CONCRETE SUPERSTRUCTURE                           | CU YD | 0.25           |      | 0.25   |          |          |         |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED                  | POUND | 30             |      | 30     |          |          |         |
| 59300100 | CONTROLLED LOW-STRENGTH MATERIAL                  | CU YD | 4.0            |      | 4      |          |          |         |
| 60600605 | CONCRETE CURB, TYPE B                             | FOOT  | 592            | 0    | 80     | 256      | 256      | 0       |
| 63000001 | STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS  | FOOT  | 1,848          | 150  | 50     | 848.5    | 537      | 262.5   |
| 63000003 | STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS  | FOOT  | 1,412.5        | 0    | 150    | 687.5    | 575      | 0       |
| 63000030 | STRONG POST GUARDRAIL ATTACHED TO CULVERT         | FOOT  | 37.5           | 0    | 0      | 0        | 12.5     | 25      |
| 63000350 | LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN | FOOT  | 75             | 0    | 0      | 75       | 0        | 0       |

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**GRAF** 8501 W. Higgins Road, Suite 280  
Chicago, Illinois 60631  
(773) 333-0112

|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME * USER*                | DESIGNED - | REVISED - |
| PLOT DRIVER * 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE * 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE * 100.0000 1/ in.     | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|  |  |
|--|--|
| <b>GUARDRAIL END SECTION REPLACEMENT<br/>SUMMARY OF QUANTITIES</b> |  |
| SCALE:   | SHEET 0001 OF 0002 SHEETS STA. TO STA. |

| F.A. - RTE.               | SECTION | COUNTY  | TOTAL SHEETS       | SHEET NO. |
|---------------------------|---------|---------|--------------------|-----------|
| VAR.                      | VARIOUS | VARIOUS | 33                 | 3         |
|                           |         |         | CONTRACT NO. 66F83 |           |
| ILLINOIS FED. AID PROJECT |         |         |                    |           |

REV

0621 90% FED / 10% STATE

| CODE NO. | ITEM DESCRIPTION                                   | UNIT  | TOTAL QUANTITY | FORD | GRUNDY | IROQUOIS | KANKAKEE | KENDALL |
|----------|--|-------|----------------|------|--------|----------|----------|---------|
| 63000360 | LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN  | FOOT  | 262.5          | 87.5 | 0      | 87.5     | 87.5     | 0       |
| 63100045 | TRAFFIC BARRIER TERMINAL, TYPE 2                   | EACH  | 1              |      |        | 1        |          |         |
| 63100085 | TRAFFIC BARRIER TERMINAL, TYPE 6                   | EACH  | 26             | 0    | 5      | 5        | 16       | 0       |
| 63100087 | TRAFFIC BARRIER TERMINAL, TYPE 6A                  | EACH  | 11             | 0    | 0      | 11       | 0        | 0       |
| 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH  | 65             | 4    | 6      | 25       | 26       | 4       |
| 63200310 | GUARDRAIL REMOVAL                                  | FOOT  | 8748           | 200  | 841    | 3357     | 3790     | 560     |
| 67100100 | MOBILIZATION                                       | LSUM  | 1              | 0.2  | 0.2    | 0.2      | 0.2      | 0.2     |
| 70100450 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201    | LSUM  | 1              | 0.06 | 0.06   | 0.35     | 0.47     | 0.06    |
| 70100500 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701326    | LSUM  | 1              | 0.06 | 0.06   | 0.35     | 0.47     | 0.06    |
| 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501    | LSUM  | 1              |      | 1      |          |          |         |
| 70102631 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701601    | EACH  | 4              |      | 1      | 3        |          |         |
| 72501000 | TERMINAL MARKER - DIRECT APPLIED                   | EACH  | 65             | 4    | 6      | 25       | 26       | 4       |
| 78200005 | GUARDRAIL REPAIRS, TYPE A                          | EACH  | 140            | 8    | 16     | 60       | 48       | 8       |
| X0325667 | WEED CONTROL MOWING STRIP (SPECIAL)                | 50 YD | 2756           | 146  | 230    | 1190     | 1036     | 154     |
| Z0005880 | BRIDGE HANDRAIL REMOVAL                            | FOOT  | 6              |      |        |          |          | 6       |

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**GRAF** 8501 N. Higgins Road, Suite 280  
Chicago, Illinois 60631  
17131 393-0112

|                               |            |           |
|-------------------------------|------------|-----------|
| USER NAME = *USER*            | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.plt | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl   | CHECKED -  | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|  |  |
|--|--|
| <b>GUARDRAIL END SECTION REPLACEMENT<br/>SUMMARY OF QUANTITIES</b> |  |
| SCALE: *SCALE4   | SHEET 5002 OF 5002 SHEETS STA. TO STA. |

|                           |         |         |                    |           |
|---------------------------|---------|---------|--------------------|-----------|
| F.A. -<br>RTE.            | SECTION | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| VAR.                      | VARIOUS | VARIOUS | 33                 | 4         |
|                           |         |         | CONTRACT NO. 66F83 |           |
| ILLINOIS FED. AID PROJECT |         |         |                    |           |

REV

GRUNDY COUNTY GUARDRAIL WORK

| LOC                  | G.R. TERMINAL ID | ROUTE | DIRECTION /APPROACH /DEPARTURE | 63200310 GUARDRAIL REMOVAL (FOOT) | 63000001 SPBGR TA 6FT POSTS (FOOT) | 63000003 SPBGR TA 9FT POSTS (FOOT) | 63000030 SPGR ATT TO CULVERT (FOOT) | 63000350 LSG OV CUL 12'6" SPAN (FOOT) | 63000360 LSG OV CUL 18'9" SPAN (FOOT) | 78200410 GUARDRAIL MKR TYPE A (EACH) | 63100167 TR BAR TERM T1 SPL TAN (EACH) | 72501000 TERMINAL MARKER - DA (EACH) | 63100045 TR BAR TERM T2 (EACH) | 63100085 TR BAR TERM T6 (EACH) | 63100087 TR BAR TERM T6A (EACH) | 20400800 FURNISHED EXCAVATION (CU YD) | 25100630 EROSION BLANKET (SQ YD) | 60600605 CONC CURB TB (FOOT) | 28000400 PERIMETER EROS BARR (FOOT) | X0325667 WD CTRL MWNG STRP SP (SQ YD) |
|----------------------|------------------|-------|--------------------------------|-----------------------------------|------------------------------------|------------------------------------|-------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------------|----------------------------------|------------------------------|-------------------------------------|---------------------------------------|
| 1                    | 032-0112-001     | IL 47 | NB/DEP                         | 200                               |                                    | 150                                |                                     |                                       |                                       | 4                                    | 1                                      | 1                                    |                                |                                |                                 | 5                                     | 100                              |                              | 200                                 | 67                                    |
| 2                    | 032-0094-001     | IL 47 | SB/APPR                        | 171                               | 25                                 |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                | 1                              |                                 | 11                                    | 226                              | 16                           | 200                                 | 38                                    |
| 2                    | 032-0094-002     | IL 47 | NB/DEP                         | 81                                |                                    |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                | 1                              |                                 | 9                                     | 176                              | 16                           | 200                                 | 29                                    |
| 2                    | 032-0094-005     | IL 47 | SB/DEP                         | 91                                |                                    |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                | 1                              |                                 | 9                                     | 176                              | 16                           | 200                                 | 29                                    |
| 2                    | 032-0094-008     | IL 47 | NB/APPR                        | 178                               | 12.5                               |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                | 1                              |                                 | 10                                    | 201                              | 16                           | 200                                 | 34                                    |
| 3                    | 032-0079-001     | IL 47 | SB/APPR                        | 120                               | 12.5                               |                                    |                                     |                                       |                                       | 4                                    | 1                                      | 1                                    |                                | 1                              |                                 | 10                                    | 201                              | 16                           | 200                                 | 34                                    |
| GRUNDY COUNTY TOTALS |                  |       |                                | 841                               | 50                                 | 150                                | 0                                   | 0                                     | 0                                     | 16                                   | 6                                      | 6                                    | 0                              | 5                              | 0                               | 54                                    | 1080                             | 80                           | 1200                                | 230                                   |

IROQUOIS COUNTY GUARDRAIL WORK

| LOC                    | G.R. TERMINAL ID | ROUTE | DIRECTION /APPROACH /DEPARTURE | 63200310 GUARDRAIL REMOVAL (FOOT) | 63000001 SPBGR TA 6FT POSTS (FOOT) | 63000003 SPBGR TA 9FT POSTS (FOOT) | 63000030 SPGR ATT TO CULVERT (FOOT) | 63000350 LSG OV CUL 12'6" SPAN (FOOT) | 63000360 LSG OV CUL 18'9" SPAN (FOOT) | 78200410 GUARDRAIL MKR TYPE A (EACH) | 63100167 TR BAR TERM T1 SPL TAN (EACH) | 72501000 TERMINAL MARKER - DA (EACH) | 63100045 TR BAR TERM T2 (EACH) | 63100085 TR BAR TERM T6 (EACH) | 63100087 TR BAR TERM T6A (EACH) | 20400800 FURNISHED EXCAVATION (CU YD) | 25100630 EROSION BLANKET (SQ YD) | 60600605 CONC CURB TB (FOOT) | 28000400 PERIMETER EROS BARR (FOOT) | X0325667 WD CTRL MWNG STRP SP (SQ YD) |
|------------------------|------------------|-------|--------------------------------|-----------------------------------|------------------------------------|------------------------------------|-------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------------|----------------------------------|------------------------------|-------------------------------------|---------------------------------------|
| 4                      | 038-0164-001     | IL 1  | NB/APPR                        | 163                               | 37.5                               |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                | 1                               | 13                                    | 251                              | 16                           | 150                                 | 42                                    |
| 4                      | 038-0164-004     | IL 1  | NB/DEP                         | 119                               |                                    |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                | 1                               | 9                                     | 176                              | 16                           | 100                                 | 29                                    |
| 4                      | 038-0164-005     | IL 1  | SB/APPR                        | 165                               | 37.5                               |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                | 1                               | 13                                    | 251                              | 16                           | 150                                 | 42                                    |
| 4                      | 038-0164-008     | IL 1  | SB/DEP                         | 111                               |                                    |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                | 1                               | 9                                     | 176                              | 16                           | 100                                 | 29                                    |
| 5                      | 038-0023-001     | IL 1  | NB/APPR                        | 304                               |                                    | 212.5                              |                                     |                                       |                                       | 4                                    | 1                                      | 1                                    |                                |                                | 1                               | 9                                     | 176                              | 16                           | 500                                 | 100                                   |
| 5                      | 038-0023-004     | IL 1  | NB/DEP                         | 153                               |                                    | 62.5                               |                                     |                                       |                                       | 2                                    | 3                                      | 3                                    |                                |                                | 1                               | 19                                    | 376                              | 16                           | 200                                 | 84                                    |
| 5                      | 038-0023-005     | IL 1  | SB/APPR                        | 213                               |                                    | 187.5                              |                                     |                                       |                                       | 4                                    | 1                                      | 1                                    |                                |                                | 1                               | 9                                     | 176                              | 16                           | 300                                 | 92                                    |
| 5                      | 038-0023-008     | IL 1  | SB/DEP                         | 284                               |                                    | 225                                |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                | 1                               | 9                                     | 176                              | 16                           | 400                                 | 104                                   |
| 6                      | 038-0197-001     | IL 1  | NB/APPR                        | 182                               | 150                                |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                | 1                              |                                 | 24                                    | 476                              | 16                           | 300                                 | 79                                    |
| 6                      | 038-0197-004     | IL 1  | NB/DEP                         | 145                               | 12.5                               |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                | 1                               | 10                                    | 201                              | 16                           | 200                                 | 34                                    |
| 6                      | 038-0197-005     | IL 1  | SB/APPR                        | 199                               | 162.5                              |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                | 1                               | 25                                    | 501                              | 16                           | 300                                 | 84                                    |
| 6                      | 038-0197-008     | IL 1  | SB/DEP                         | 138                               | 25                                 |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                | 1                               | 11                                    | 226                              | 16                           | 200                                 | 38                                    |
| 7                      | 038-0025-004     | IL 1  | NB/DEP                         | 53                                | 37.5                               |                                    |                                     |                                       |                                       | 4                                    |  |                                      | 1                              | 1                              |                                 | 0                                     | 176                              | 16                           | 100                                 | 29                                    |
| 9                      | 038-2515-001     | IL 1  | NB/APPR                        | 94                                | 53                                 |                                    |                                     | 37.5                                  |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 14                                    | 281                              |                              | 200                                 | 47                                    |
| 9                      | 038-2515-004     | IL 1  | SB/DEP                         | 96                                | 34                                 |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 8                                     | 168                              |                              | 100                                 | 28                                    |
| 9                      | 038-2515-002     | IL 1  | NB/DEP                         | 106                               | 34                                 |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 8                                     | 168                              |                              | 200                                 | 28                                    |
| 9                      | 038-2515-003     | IL 1  | SB/APPR                        | 84                                | 53                                 |                                    |                                     | 37.5                                  |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 14                                    | 281                              |                              | 100                                 | 47                                    |
| 11                     | 038-2004-001     | IL 1  | NB/APPR                        | 101                               | 53                                 |                                    |                                     |                                       | 43.75                                 | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 15                                    | 294                              |                              | 150                                 | 49                                    |
| 11                     | 038-2004-002     | IL 1  | NB/DEP                         | 101                               | 28                                 |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 8                                     | 156                              |                              | 150                                 | 26                                    |
| 11                     | 038-2004-003     | IL 1  | SB/APPR                        | 101                               | 28                                 |                                    |                                     |                                       | 43.75                                 | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 12                                    | 244                              |                              | 150                                 | 41                                    |
| 11                     | 038-2004-004     | IL 1  | SB/DEP                         | 101                               | 28                                 |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 8                                     | 156                              |                              | 150                                 | 26                                    |
| 12a                    | 038-0140-001     | IL 1  | WB/APPR                        | 100                               | 12.5                               |                                    |                                     |                                       |                                       | 4                                    | 1                                      | 1                                    |                                |                                | 1                               | 10                                    | 201                              | 16                           | 150                                 | 34                                    |
| 12a                    | 038-0140-008     | IL 1  | WB/APPR                        | 143                               | 50                                 |                                    |                                     |                                       |                                       | 4                                    | 1                                      | 1                                    |                                |                                | 1                               | 14                                    | 276                              | 16                           | 200                                 | 46                                    |
| 12b                    | 038-0170-001     | IL 1  | EB/APPR                        | 101                               | 12.5                               |                                    |                                     |                                       |                                       | 4                                    | 1                                      | 1                                    |                                |                                | 1                               | 10                                    | 201                              | 16                           | 150                                 | 34                                    |
| IROQUOIS COUNTY TOTALS |                  |       |                                | 3357                              | 848.5                              | 687.5                              | 0                                   | 75                                    | 87.5                                  | 60                                   | 25                                     | 25                                   | 1                              | 5                              | 11                              | 281                                   | 5764                             | 256                          | 4700                                | 1190                                  |

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|                                 |            |           |
|---------------------------------|------------|-----------|
| USER NAME = suser*              | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcf | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl     | CHECKED -  | REVISED - |
| PLOT SCALE = 100.0000' / 1"     | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|   |            |                |              |
|---|------------|----------------|--------------|
| GUARDRAIL END SECTION REPLACEMENT<br>SCHEDULE OF QUANTITIES |            |                |              |
| SCALE: #SCALE5  | SHEET SD01 | OF SD03 SHEETS | STA. TO STA. |

|                           |         |         |              |           |
|---------------------------|---------|---------|--------------|-----------|
| F.A.-RTE.                 | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |
| VAR.                      | VARIOUS | VARIOUS | 33           | 5         |
| CONTRACT NO. 66F83        |         |         |              |           |
| ILLINOIS FED. AID PROJECT |         |         |              |           |

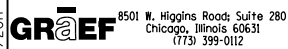
FORD COUNTY GUARDRAIL WORK

| LOC                | G.R. TERMINAL ID | ROUTE | DIRECTION /APPR(OACH) /DEP(ARTURE) | 63200310 GUARDRAIL REMOVAL (FOOT) | 63000001 SPBGR TA 6FT POSTS (FOOT) | 63000003 SPBGR TA 9FT POSTS (FOOT) | 63000030 SPGR ATT TO CULVERT (FOOT) | 63000350 LSG OV CUL 12'6" SPAN (FOOT) | 63000360 LSG OV CUL 18'9" SPAN (FOOT) | 78200410 GUARDRAIL MKR TYPE A (EACH) | 63100167 TR BAR TERM T1 SPL TAN (EACH) | 72501000 TERMINAL MARKER - DA (EACH) | 63100045 TR BAR TERM T2 (EACH) | 63100085 TR BAR TERM T6 (EACH) | 63100087 TR BAR TERM T6A (EACH) | 20400800 FURNISHED EXCAVATION (CU YD) | 25100630 EROSION BLANKET (SQ YD) | 60600605 CONC CURB TB (FOOT) | 28000400 PERIMETER EROS BARR (FOOT) | X0325667 WD CTRL MWNG STRP SP (SQ YD) |
|--------------------|------------------|-------|------------------------------------|-----------------------------------|------------------------------------|------------------------------------|-------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------------|----------------------------------|------------------------------|-------------------------------------|---------------------------------------|
| 14                 | 027-2523-001     | IL 47 | NB/APPR                            | 50                                | 41                                 |                                    |                                     |                                       | 43.75                                 | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 13                                    | 270                              |                              | 150                                 | 45                                    |
| 14                 | 027-2523-002     | IL 47 | NB/DEP                             | 50                                | 28                                 |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 8                                     | 156                              |                              | 100                                 | 26                                    |
| 14                 | 027-2523-003     | IL 47 | SB/APPR                            | 50                                | 53                                 |                                    |                                     |                                       | 43.75                                 | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 15                                    | 294                              |                              | 150                                 | 49                                    |
| 14                 | 027-2523-004     | IL 47 | SB/DEP                             | 50                                | 28                                 |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 8                                     | 156                              |                              | 100                                 | 26                                    |
| FORD COUNTY TOTALS |                  |       |                                    | 200                               | 150                                | 0                                  | 0                                   | 0                                     | 87.5                                  | 8                                    | 4                                      | 4                                    | 0                              | 0                              | 0                               | 44                                    | 876                              | 0                            | 500                                 | 146                                   |

KANKAKEE COUNTY GUARDRAIL WORK

| LOC                    | G.R. TERMINAL ID | ROUTE      | DIRECTION /APPR(OACH) /DEP(ARTURE) | 63200310 GUARDRAIL REMOVAL (FOOT) | 63000001 SPBGR TA 6FT POSTS (FOOT) | 63000003 SPBGR TA 9FT POSTS (FOOT) | 63000030 SPGR ATT TO CULVERT (FOOT) | 63000350 LSG OV CUL 12'6" SPAN (FOOT) | 63000360 LSG OV CUL 18'9" SPAN (FOOT) | 78200410 GUARDRAIL MKR TYPE A (EACH) | 63100167 TR BAR TERM T1 SPL TAN (EACH) | 72501000 TERMINAL MARKER - DA (EACH) | 63100045 TR BAR TERM T2 (EACH) | 63100085 TR BAR TERM T6 (EACH) | 63100087 TR BAR TERM T6A (EACH) | 20400800 FURNISHED EXCAVATION (CU YD) | 25100630 EROSION BLANKET (SQ YD) | 60600605 CONC CURB TB (FOOT) | 28000400 PERIMETER EROS BARR (FOOT) | X0325667 WD CTRL MWNG STRP SP (SQ YD) |
|------------------------|------------------|------------|------------------------------------|-----------------------------------|------------------------------------|------------------------------------|-------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------------|----------------------------------|------------------------------|-------------------------------------|---------------------------------------|
| 15                     | 046-0021-001     | IL 1/IL 17 | WB/APPR                            | 34                                | 62.5                               |                                    |                                     |                                       |                                       | 4                                    | 1                                      | 1                                    |                                |                                |                                 | 15                                    | 301                              | 16                           | 400                                 | 50                                    |
| 15                     | 046-0021-004     | IL 1/IL 17 | WB/DEP                             | 319                               |                                    |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 9                                     | 176                              | 16                           | 100                                 | 29                                    |
| 15                     | 046-0021-005     | IL 1/IL 17 | EB/APPR                            | 105                               | 75                                 |                                    |                                     |                                       |                                       | 4                                    | 1                                      | 1                                    |                                |                                |                                 | 16                                    | 326                              | 16                           | 200                                 | 54                                    |
| 15                     | 046-0021-008     | IL 1/IL 17 | EB/DEP                             | 105                               |                                    |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 9                                     | 176                              | 16                           | 100                                 | 29                                    |
| 16                     | 046-2008-001     | IL 1/IL 17 | WB/APPR                            | 101                               | 28                                 |                                    |                                     |                                       | 43.75                                 | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 12                                    | 244                              |                              | 100                                 | 41                                    |
| 16                     | 046-2008-002     | IL 1/IL 17 | WB/DEP                             | 101                               | 28                                 |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 8                                     | 156                              |                              | 100                                 | 26                                    |
| 16                     | 046-2008-003     | IL 1/IL 17 | EB/APPR                            | 101                               | 28                                 |                                    |                                     |                                       | 43.75                                 | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 12                                    | 244                              |                              | 100                                 | 41                                    |
| 16                     | 046-2008-004     | IL 1/IL 17 | EB/DEP                             | 101                               | 28                                 |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 8                                     | 156                              |                              | 100                                 | 26                                    |
| 17                     | 046-ii001-001    | IL 1/IL 17 | NB/APPR                            | 92                                | 12.5                               |                                    |                                     |                                       |                                       |                                      | 1                                      | 1                                    |                                |                                |                                 | 6                                     | 125                              |                              | 100                                 | 21                                    |
| 17                     | 046-ii001-002    | IL 1/IL 17 | NB/DEP                             | 92                                |                                    |                                    | 12.5                                |                                       |                                       |                                      | 1                                      | 1                                    |                                |                                |                                 | 5                                     | 100                              |                              | 100                                 | 17                                    |
| 18                     | 046-ii001-003    | IL 1/IL 17 | SB/DEP                             | 230                               |                                    | 237.5                              |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 5                                     | 100                              |                              | 350                                 | 96                                    |
| 18                     | 046-ii001-004    | IL 1/IL 17 | SB/APPR                            | 230                               |                                    |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 5                                     | 100                              |                              | 100                                 | 17                                    |
| 18                     | 046-ii001-005    | IL 1/IL 17 | NB/APPR                            | 260                               |                                    | 337.5                              |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 5                                     | 100                              |                              | 450                                 | 129                                   |
| 18                     | 046-ii001-006    | IL 1/IL 17 | NB/DEP                             | 260                               |                                    |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 5                                     | 100                              |                              | 100                                 | 17                                    |
| 20                     | 046-0115-005     | IL 1       | NB/APPR                            | 176                               | 50                                 |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                | 1                              |                                 | 14                                    | 276                              | 16                           | 200                                 | 46                                    |
| 20                     | 046-0115-008     | IL 1       | NB/DEP                             | 115                               |                                    |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                | 1                              |                                 | 9                                     | 176                              | 16                           | 150                                 | 29                                    |
| 21                     | 046-0116-004     | IL 1       | SB/DEP                             | 116                               |                                    |                                    |                                     |                                       |                                       |                                      | 1                                      | 1                                    |                                | 1                              |                                 | 9                                     | 176                              | 16                           |                                     | 29                                    |
| 21                     | 046-0116-005     | IL 1       | NB/APPR                            | 192                               | 37.5                               |                                    |                                     |                                       |                                       |                                      | 1                                      | 1                                    |                                | 1                              |                                 | 13                                    | 251                              | 16                           |                                     | 42                                    |
| 21                     | 046-0116-008     | IL 1       | NB/DEP                             | 119                               |                                    |                                    |                                     |                                       |                                       |                                      | 1                                      | 1                                    |                                | 1                              |                                 | 9                                     | 176                              | 16                           |                                     | 29                                    |
| 22                     | 046-0117-001     | IL 1       | SB/APPR                            | 166                               | 50                                 |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                | 1                              |                                 | 14                                    | 276                              | 16                           | 150                                 | 46                                    |
| 22                     | 046-0117-004     | IL 1       | SB/DEP                             | 71                                |                                    |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                | 1                              |                                 | 9                                     | 176                              | 16                           | 150                                 | 29                                    |
| 22                     | 046-0117-005     | IL 1       | NB/APPR                            | 159                               | 37.5                               |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                | 1                              |                                 | 13                                    | 251                              | 16                           | 150                                 | 42                                    |
| 22                     | 046-0117-008     | IL 1       | NB/DEP                             | 112                               |                                    |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                | 1                              |                                 | 9                                     | 176                              | 16                           | 150                                 | 29                                    |
| 23                     | 046-0118-001     | IL 1       | SB/APPR                            | 205                               | 50                                 |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                | 1                              |                                 | 14                                    | 276                              | 16                           | 200                                 | 46                                    |
| 23                     | 046-0118-004     | IL 1       | SB/DEP                             | 121                               |                                    |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                | 1                              |                                 | 9                                     | 176                              | 16                           | 150                                 | 29                                    |
| 23                     | 046-0118-005     | IL 1       | NB/APPR                            | 107                               | 50                                 |                                    |                                     |                                       |                                       | 4                                    | 1                                      | 1                                    |                                | 1                              |                                 | 14                                    | 276                              | 16                           | 200                                 | 46                                    |
| KANKAKEE COUNTY TOTALS |                  |            |                                    | 3790                              | 537                                | 575                                | 13                                  | 0                                     | 87.5                                  | 48                                   | 26                                     | 26                                   | 0                              | 16                             | 0                               | 256                                   | 5066                             | 256                          | 3900                                | 1036                                  |

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|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 100.0000' / 1"      | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GUARDRAIL END SECTION REPLACEMENT  
SCHEDULE OF QUANTITIES

SCALE: #SCALE6 SHEET SD02 OF SD03 SHEETS STA. TO STA.

|                           |         |         |                    |           |
|---------------------------|---------|---------|--------------------|-----------|
| F.A. - RTE.               | SECTION | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| VAR.                      | VARIOUS | VARIOUS | 33                 | 6         |
|                           |         |         | CONTRACT NO. 66F83 |           |
| ILLINOIS FED. AID PROJECT |         |         |                    |           |

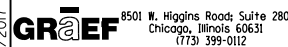
KENDALL COUNTY GUARDRAIL WORK

| LOC                   | G.R. TERMINAL ID | ROUTE | DIRECTION /APPR(OACH) /DEP(ARTURE) | 63200310 GUARDRAIL REMOVAL (FOOT) | 63000001 SPBGR TA 6FT POSTS (FOOT) | 63000003 SPBGR TA 9FT POSTS (FOOT) | 63000030 SPGR ATT TO CULVERT (FOOT) | 63000350 LSG OV CUL 12'6" SPAN (FOOT) | 63000360 LSG OV CUL 18'9" SPAN (FOOT) | 78200410 GUARDRAIL MKR TYPE A (EACH) | 63100167 TR BAR TERM T1 SPL TAN (EACH) | 72501000 TERMINAL MARKER - DA (EACH) | 63100045 TR BAR TERM T2 (EACH) | 63100085 TR BAR TERM T6 (EACH) | 63100087 TR BAR TERM T6A (EACH) | 20400800 FURNISHED EXCAVATION (CU YD) | 25100630 EROSION BLANKET (SQ YD) | 60600605 CONC CURB TB (FOOT) | 28000400 PERIMETER EROS BARR (FOOT) | X0325667 WD CTRL MWNG STRP SP (SQ YD) |
|-----------------------|------------------|-------|------------------------------------|-----------------------------------|------------------------------------|------------------------------------|-------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------------|----------------------------------|------------------------------|-------------------------------------|---------------------------------------|
| 19                    | 047-11047-005    | IL 47 | NB/APPR                            | 155                               | 62.5                               |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 11                                    | 225                              |                              | 150                                 | 38                                    |
| 19                    | 047-11047-006    | IL 47 | NB/DEP                             | 155                               |                                    |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 5                                     | 100                              |                              | 100                                 | 17                                    |
| 19                    | 047-11047-007    | IL 47 | SB/APPR                            | 125                               |                                    |                                    | 25                                  |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 5                                     | 100                              |                              | 100                                 | 17                                    |
| 19                    | 047-11047-008    | IL 47 | SB/DEP                             | 125                               | 200                                |                                    |                                     |                                       |                                       | 2                                    | 1                                      | 1                                    |                                |                                |                                 | 25                                    | 500                              |                              | 200                                 | 83                                    |
| KENDALL COUNTY TOTALS |                  |       |                                    | 560                               | 262.5                              | 0                                  | 25                                  | 0                                     | 0                                     | 8                                    | 4                                      | 4                                    | 0                              | 0                              | 0                               | 46                                    | 925                              | 0                            | 550                                 | 154                                   |

COUNTY TOTALS

|                 | 63200310 GUARDRAIL REMOVAL (FOOT) | 63000001 SPBGR TA 6FT POSTS (FOOT) | 63000003 SPBGR TA 9FT POSTS (FOOT) | 63000030 SPGR ATT TO CULVERT (FOOT) | 63000350 LSG OV CUL 12'6" SPAN (FOOT) | 63000360 LSG OV CUL 18'9" SPAN (FOOT) | 78200410 GUARDRAIL MKR TYPE A (EACH) | 63100167 TR BAR TERM T1 SPL TAN (EACH) | 72501000 TERMINAL MARKER - DA (EACH) | 63100045 TR BAR TERM T2 (EACH) | 63100085 TR BAR TERM T6 (EACH) | 63100087 TR BAR TERM T6A (EACH) | 20400800 FURNISHED EXCAVATION (CU YD) | 25100630 EROSION BLANKET (SQ YD) | 60600605 CONC CURB TB (FOOT) | 28000400 PERIMETER EROS BARR (FOOT) | X0325667 WD CTRL MWNG STRP SP (SQ YD) |
|-----------------|-----------------------------------|------------------------------------|------------------------------------|-------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------------|----------------------------------|------------------------------|-------------------------------------|---------------------------------------|
| GRUNDY COUNTY   | 841                               | 50                                 | 150                                | 0                                   | 0                                     | 0                                     | 16                                   | 6                                      | 6                                    | 0                              | 5                              | 0                               | 54                                    | 1080                             | 80                           | 1200                                | 230                                   |
| IROQUOIS COUNTY | 3357                              | 848.5                              | 687.5                              | 0                                   | 75                                    | 87.5                                  | 60                                   | 25                                     | 25                                   | 1                              | 5                              | 11                              | 281                                   | 5764                             | 256                          | 4700                                | 1190                                  |
| FORD COUNTY     | 200                               | 150                                | 0                                  | 0                                   | 0                                     | 87.5                                  | 8                                    | 4                                      | 4                                    | 0                              | 0                              | 0                               | 44                                    | 876                              | 0                            | 500                                 | 146                                   |
| KANKAKEE COUNTY | 3790                              | 537                                | 575                                | 12.5                                | 0                                     | 87.5                                  | 48                                   | 26                                     | 26                                   | 0                              | 16                             | 0                               | 256                                   | 5066                             | 256                          | 3900                                | 1036                                  |
| KENDALL COUNTY  | 560                               | 262.5                              | 0                                  | 25                                  | 0                                     | 0                                     | 8                                    | 4                                      | 4                                    | 0                              | 0                              | 0                               | 46                                    | 925                              | 0                            | 550                                 | 154                                   |
| TOTAL           | 8748                              | 1848                               | 1412.5                             | 37.5                                | 75                                    | 262.5                                 | 140                                  | 65                                     | 65                                   | 1                              | 26                             | 11                              | 681                                   | 13711                            | 592                          | 10850                               | 2756                                  |

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|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 100.0000' / 1"      | DATE -     | REVISED - |

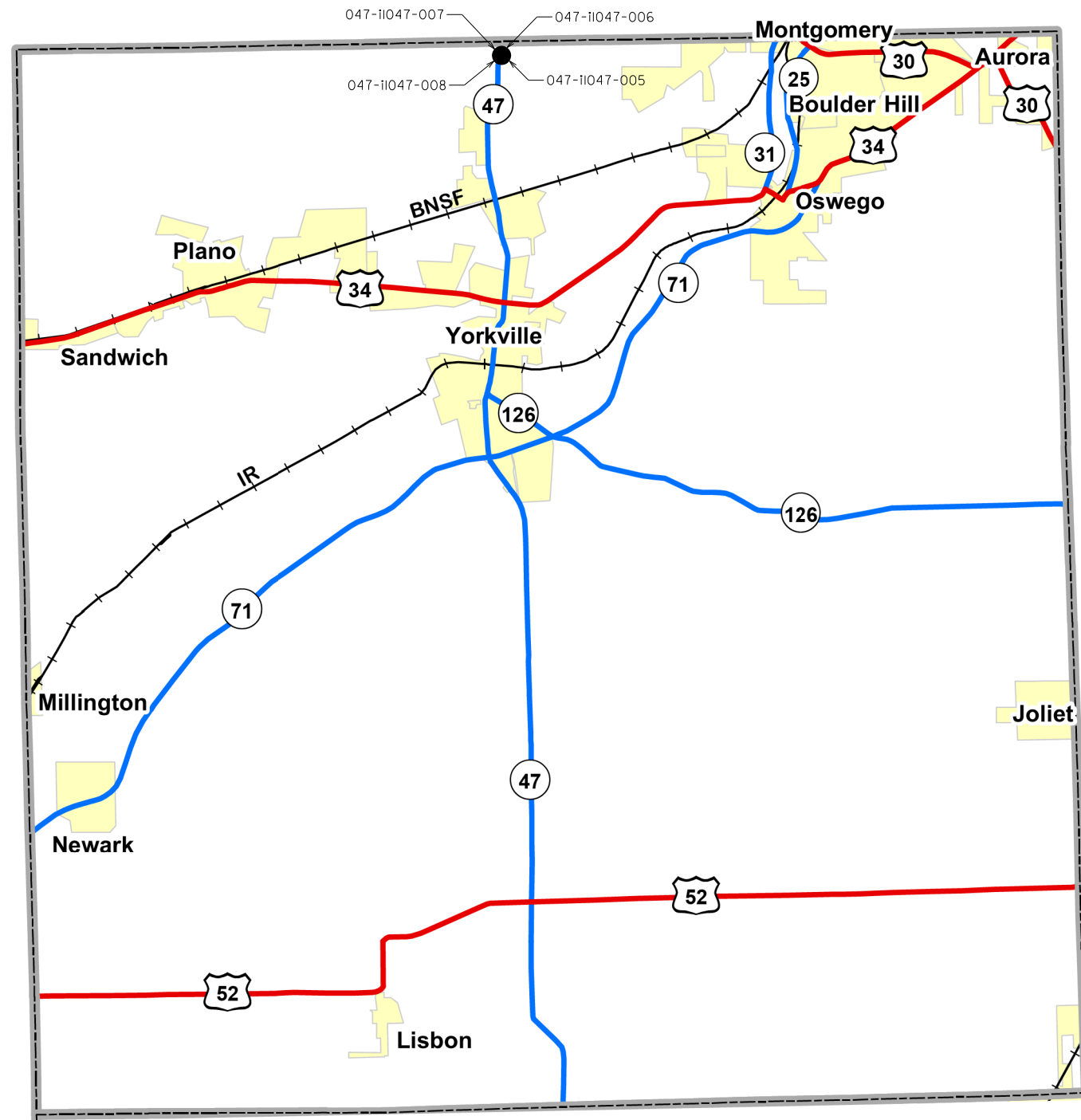
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GUARDRAIL END SECTION REPLACEMENT  
SCHEDULE OF QUANTITIES

SCALE: #SCALE7 SHEET SD03 OF SD03 SHEETS STA. TO STA.

|                           |         |         |                    |           |
|---------------------------|---------|---------|--------------------|-----------|
| F.A. - RTE.               | SECTION | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| VAR.                      | VARIOUS | VARIOUS | 33                 | 7         |
|                           |         |         | CONTRACT NO. 66F83 |           |
| ILLINOIS FED. AID PROJECT |         |         |                    |           |

# LOCATION MAP



| Location | Structure No  |
|----------|---------------|
| 19       | 047-i1047-005 |
|          | 047-i1047-006 |
|          | 047-i1047-007 |
|          | 047-i1047-008 |

County Boundary  
 Interstate  
 US Highway  
 State Road  
 Railroad  
 Municipality

0 5,000 10,000 20,000 Feet

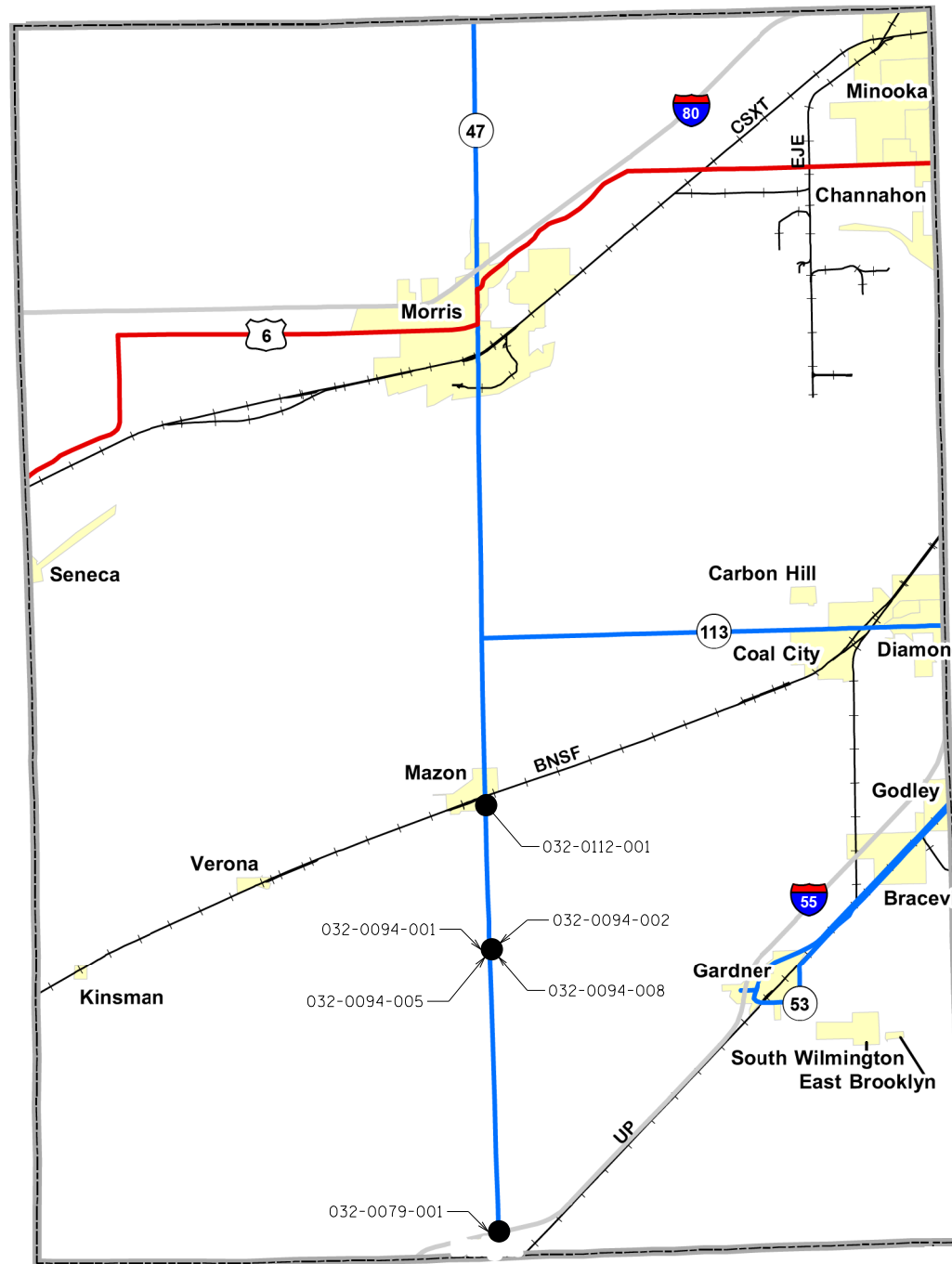
# KENDALL COUNTY

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|                             |                                 |            |           |   |  |         |               |                           |        |                    |              |
|-----------------------------|---------------------------------|------------|-----------|---|--|---------|---------------|---------------------------|--------|--------------------|--------------|
|                             | USER NAME = sUSERs              | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>GUARDRAIL END SECTION REPLACEMENT</b> |         | F.A.-<br>RTE. | SECTION                   | COUNTY | TOTAL<br>SHEETS    | SHEET<br>NO. |
|                             | PLOT DRIVER = 20073028-21.pltcf | DRAWN -    | REVISED - |   | VAR.                                     | VARIOUS | VARIOUS       | 33                        | 8      | CONTRACT NO. 66F83 |              |
| PEN TABLE = 20073028-21.tbl | CHECKED -                       | REVISED -  |           | SCALE:  | SHEET 001 OF 005 SHEETS                  | STA.    | TO STA.       | ILLINOIS FED. AID PROJECT |        |                    |              |
| PLOT SCALE = 2.0000' / in.  | DATE -                          | REVISED -  |           |   |  |         |               |                           |        |                    |              |



# LOCATION MAP



| Location | Structure No |
|----------|--------------|
| 1        | 032-0112-001 |
| 2        | 032-0094-001 |
|          | 032-0094-002 |
|          | 032-0094-005 |
|          | 032-0094-008 |
| 3        | 032-0079-001 |

- County Boundary
- Interstate
- US Highway
- State Road
- Railroad
- Municipality

30,000 Feet



# GRUNDY COUNTY

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**GR@EF** 8501 W. Higgins Road, Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 2.0000' / in.       | DATE -     | REVISED - |

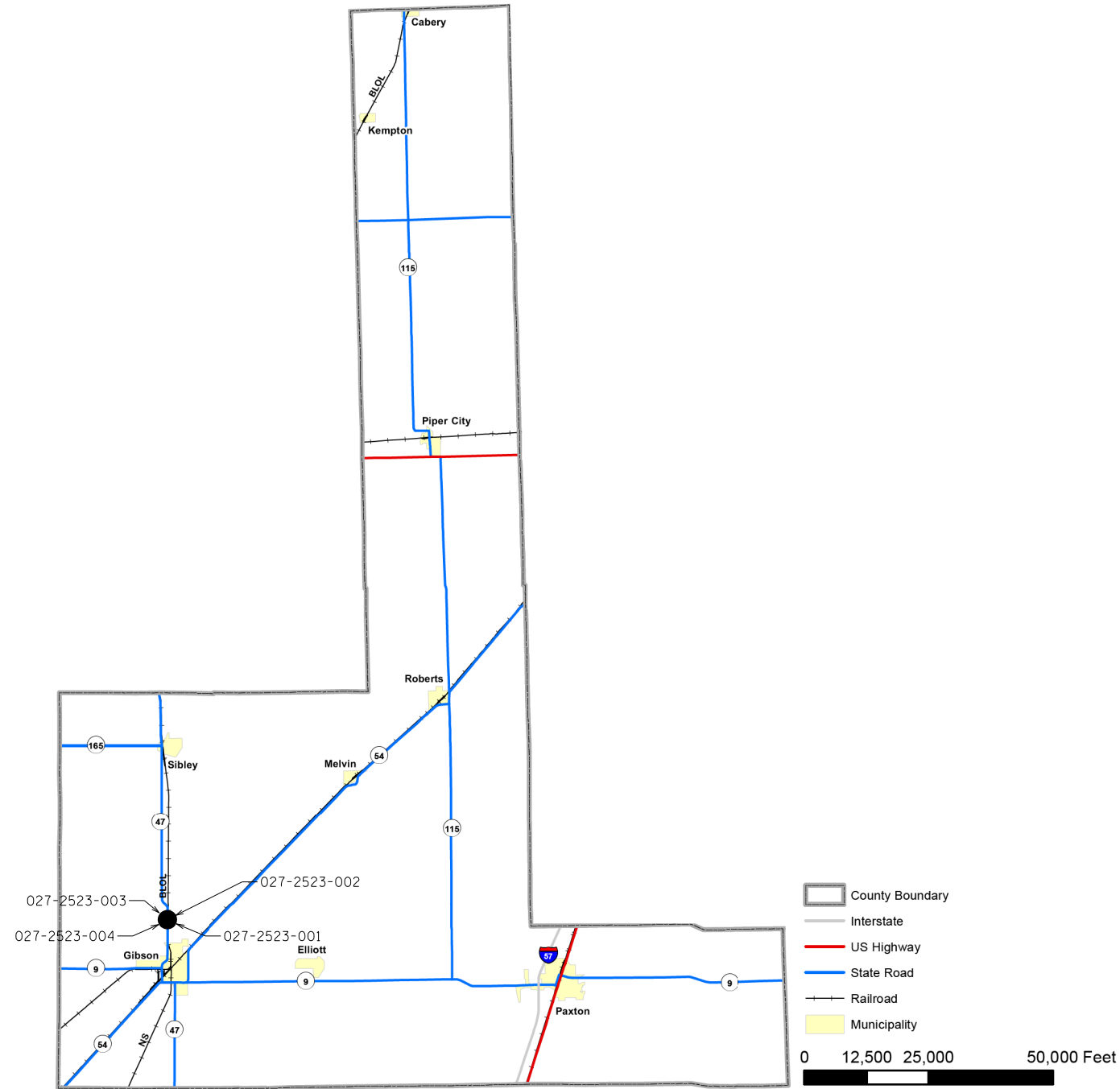
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT**

SCALE: SHEET L002 OF L005 SHEETS STA. TO STA.

|                           |         |         |                    |              |
|---------------------------|---------|---------|--------------------|--------------|
| F.A.-<br>RTE.             | SECTION | COUNTY  | TOTAL<br>SHEETS    | SHEET<br>NO. |
| VAR.                      | VARIOUS | VARIOUS | 33                 | 9            |
|                           |         |         | CONTRACT NO. 66F83 |              |
| ILLINOIS FED. AID PROJECT |         |         |                    |              |

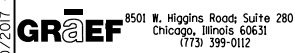
# LOCATION MAP



| Location | Structure No |
|----------|--------------|
| 14       | 027-2523-001 |
|          | 027-2523-002 |
|          | 027-2523-003 |
|          | 027-2523-004 |

# FORD COUNTY

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|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = suser*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 2.0000' / in.       | DATE -     | REVISED - |

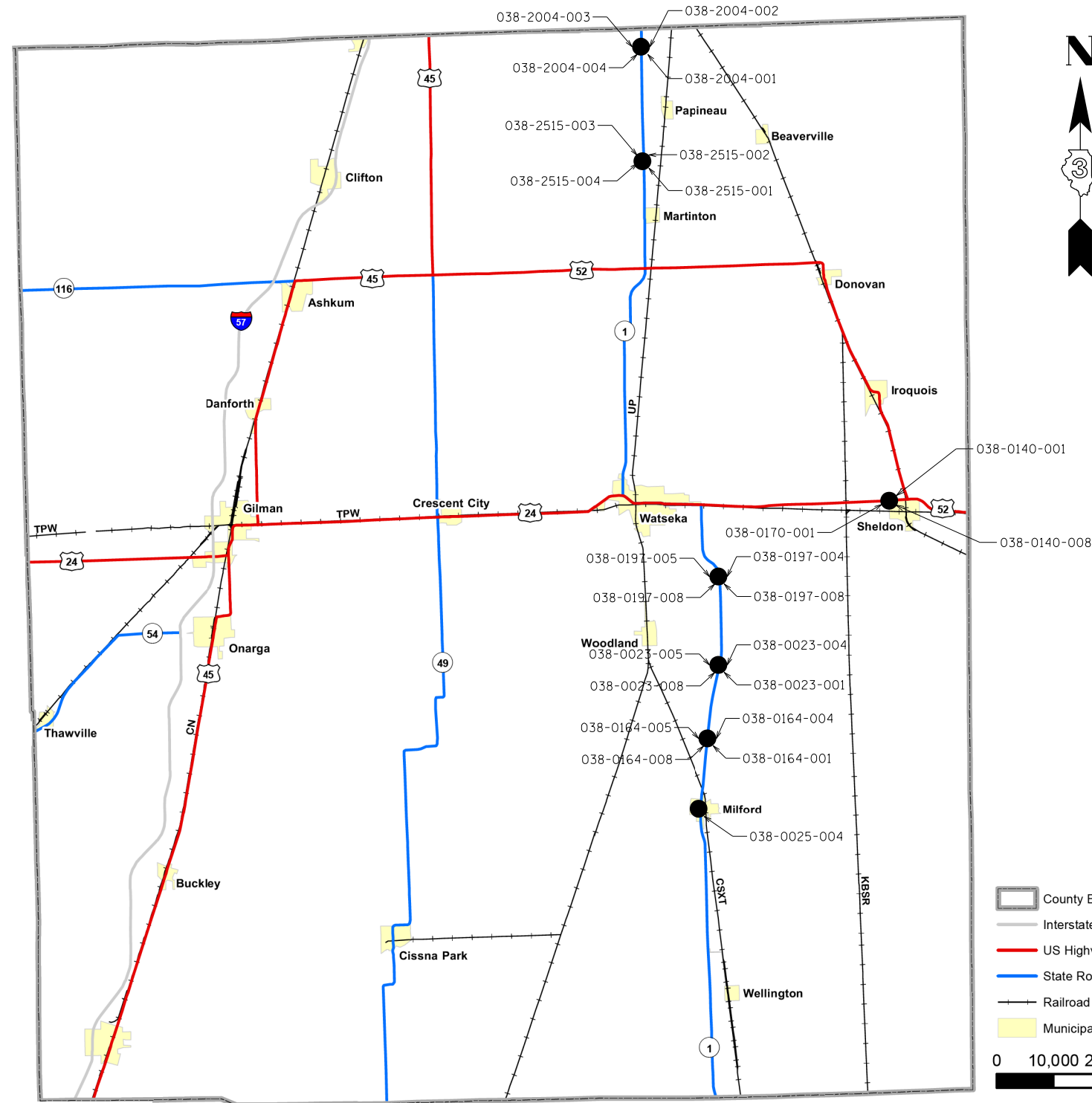
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT**

SCALE: SHEET L003 OF L005 SHEETS STA. TO STA.

| F.A. -<br>RTE.            | SECTION | COUNTY  | TOTAL<br>SHEETS    | SHEET<br>NO. |
|---------------------------|---------|---------|--------------------|--------------|
| VAR.                      | VARIOUS | VARIOUS | 33                 | 10           |
|                           |         |         | CONTRACT NO. 66F83 |              |
| ILLINOIS FED. AID PROJECT |         |         |                    |              |

# LOCATION MAP



| Location | Structure No |
|----------|--------------|
| 4        | 038-0164-001 |
|          | 038-0164-004 |
|          | 038-0164-005 |
|          | 038-0164-008 |
| 5        | 038-0023-001 |
|          | 038-0023-004 |
|          | 038-0023-005 |
|          | 038-0023-008 |
| 6        | 038-0197-001 |
|          | 038-0197-004 |
|          | 038-0197-005 |
|          | 038-0197-008 |
| 7        | 038-0025-004 |
| 9        | 038-2515-001 |
|          | 038-2515-002 |
|          | 038-2515-003 |
|          | 038-2515-004 |
| 11       | 038-2004-001 |
|          | 038-2004-002 |
|          | 038-2004-003 |
|          | 038-2004-004 |
| 12a      | 038-0140-001 |
|          | 038-0140-008 |
| 12b      | 038-0170-001 |

# IROQUOIS COUNTY

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**GR@EF** 8501 W. Higgins Road, Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

|                                 |            |           |
|---------------------------------|------------|-----------|
| USER NAME = sUSER*              | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcf | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl     | CHECKED -  | REVISED - |
| PLOT SCALE = 2.0000' / in.      | DATE -     | REVISED - |

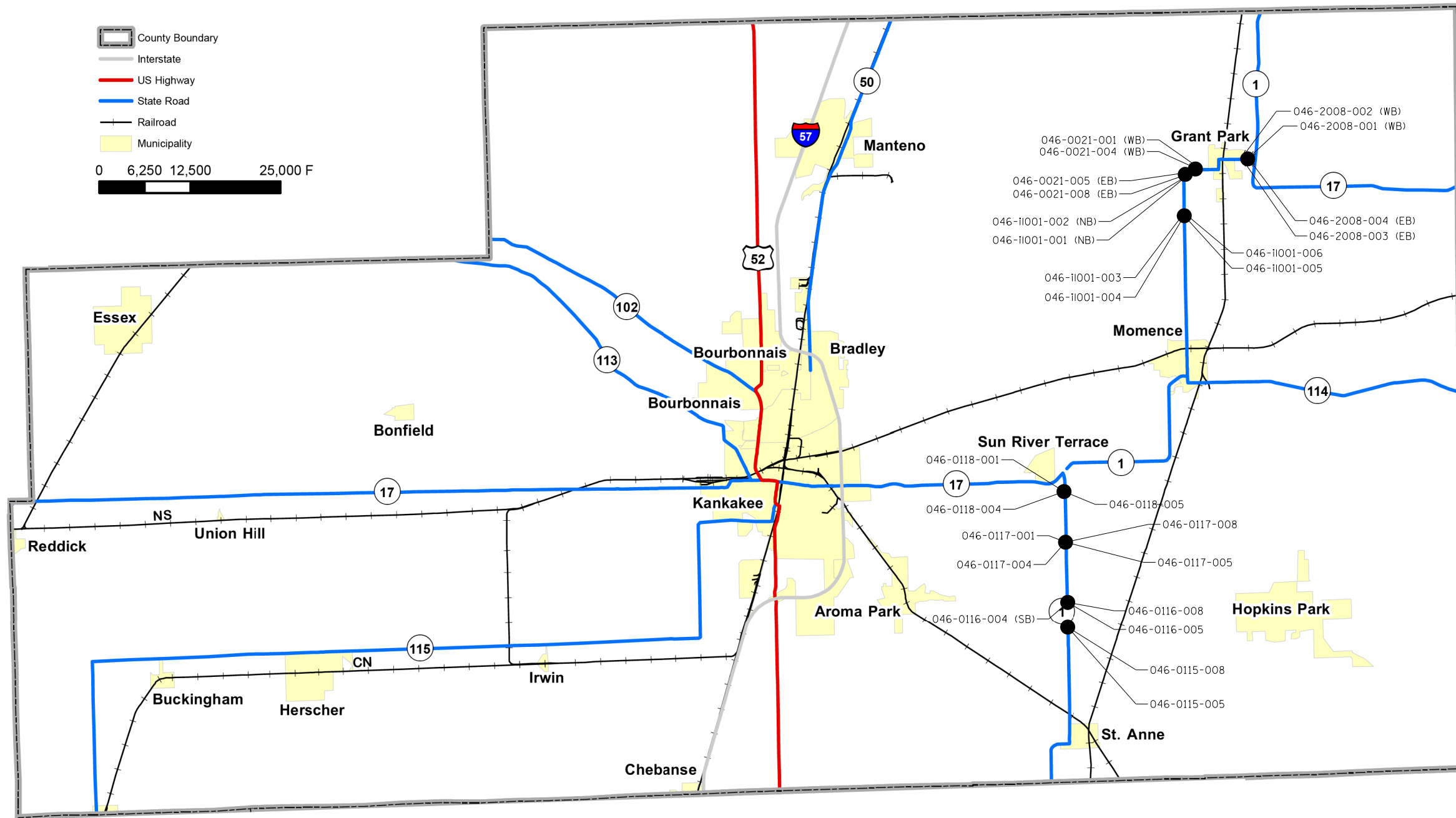
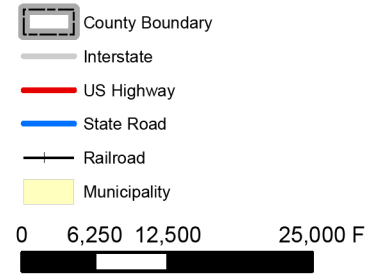
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT**

SCALE: SHEET L004 OF L005 SHEETS STA. TO STA.

|                           |         |         |                 |              |
|---------------------------|---------|---------|-----------------|--------------|
| F.A.-<br>RTE.             | SECTION | COUNTY  | TOTAL<br>SHEETS | SHEET<br>NO. |
| VAR.                      | VARIOUS | VARIOUS | 33              | 11           |
| CONTRACT NO. 66F83        |         |         |                 |              |
| ILLINOIS FED. AID PROJECT |         |         |                 |              |

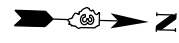
# LOCATION MAP



| Location | Structure No  |
|----------|---------------|
| 15       | 046-0021-001  |
|          | 046-0021-004  |
|          | 046-0021-005  |
|          | 046-0021-008  |
| 16       | 046-2008-001  |
|          | 046-2008-002  |
|          | 046-2008-003  |
|          | 046-2008-004  |
| 17       | 046-i1001-001 |
|          | 046-i1001-002 |
| 18       | 046-i1001-003 |
|          | 046-i1001-004 |
|          | 046-i1001-005 |
|          | 046-i1001-006 |
| 20       | 046-0115-005  |
|          | 046-0115-008  |
| 21       | 046-0116-004  |
|          | 046-0116-005  |
|          | 046-0116-008  |
| 22       | 046-0117-001  |
|          | 046-0117-004  |
|          | 046-0117-005  |
|          | 046-0117-008  |
| 23       | 046-0118-001  |
|          | 046-0118-004  |
|          | 046-0118-005  |

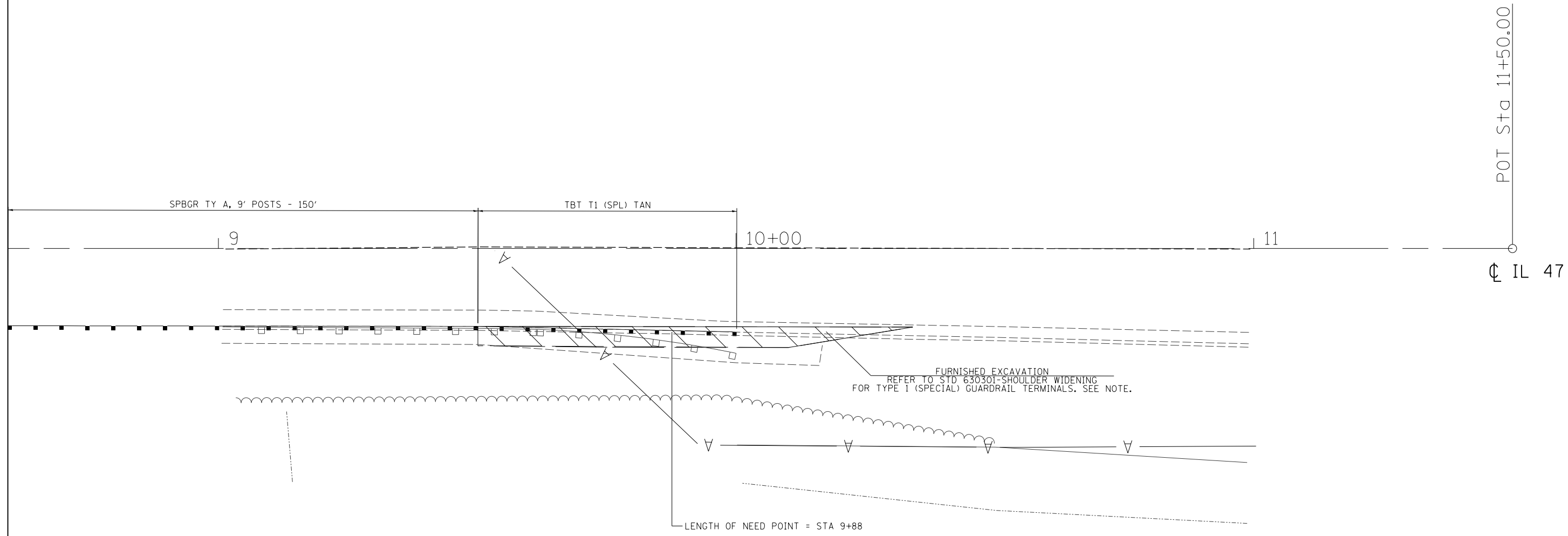
# KANKAKEE COUNTY

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**GUARDRAIL TERMINAL SECTION LEGEND**

|        |              |
|--------|--------------|
| N.I.C. | N.I.C.       |
| N.I.C. | 032-0112-001 |



NOTE:  
 USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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**GR@EF** 8501 W. Higgins Road, Suite 280  
 Chicago, Illinois 60631  
 (773) 399-0112

|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = \$USER\$             | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 20.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT  
 032-0112 (LOCATION 1)**

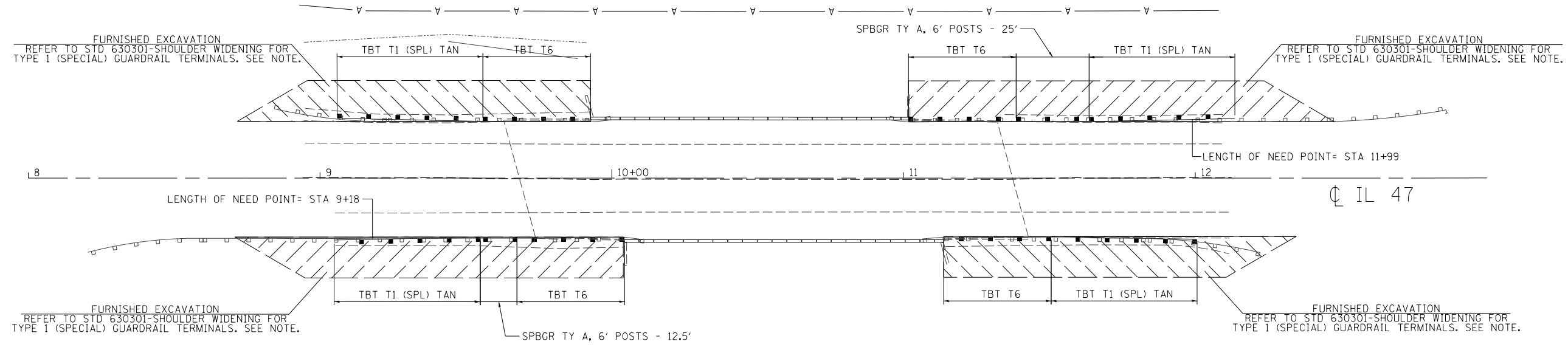
|                           |         |         |                 |              |
|---------------------------|---------|---------|-----------------|--------------|
| F.A. -<br>RTE.            | SECTION | COUNTY  | TOTAL<br>SHEETS | SHEET<br>NO. |
| VAR.                      | VARIOUS | VARIOUS | 33              | 13           |
| CONTRACT NO. 66F83        |         |         |                 |              |
| ILLINOIS FED. AID PROJECT |         |         |                 |              |

SCALE: 1"=10'      SHEET PLN01 OF PLN23 SHEETS      STA.      TO STA.



**GUARDRAIL TERMINAL SECTION LEGEND**

|              |              |
|--------------|--------------|
| 032-0094-005 | 032-0094-001 |
| 032-0094-008 | 032-0094-002 |



NOTE:  
 USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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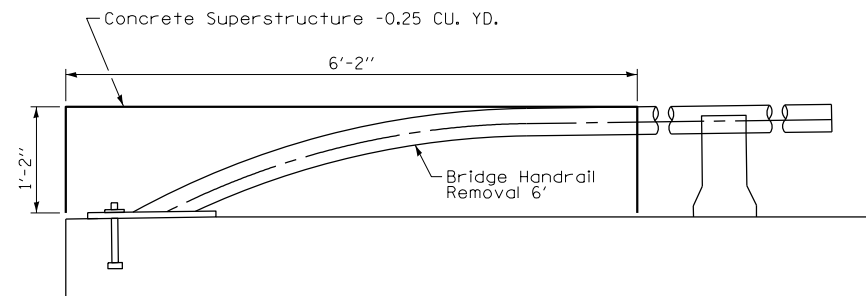
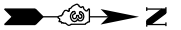
|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 40.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

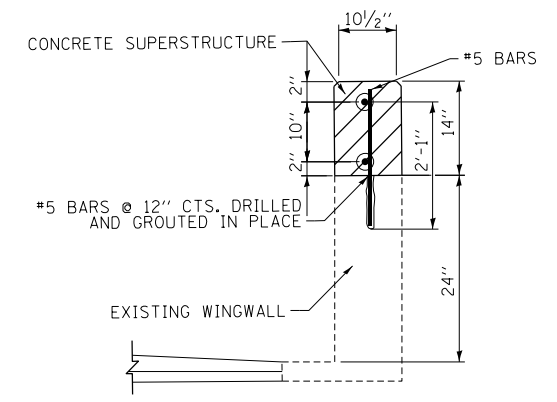
**GUARDRAIL END SECTION REPLACEMENT  
 032-0094 (LOCATION 2)**

SCALE: 1"=20'      SHEET PLN02 OF PLN23 SHEETS      STA.      TO STA.

|                           |         |         |                 |              |
|---------------------------|---------|---------|-----------------|--------------|
| F.A.-<br>RTE.             | SECTION | COUNTY  | TOTAL<br>SHEETS | SHEET<br>NO. |
| VAR.                      | VARIOUS | VARIOUS | 33              | 14           |
| CONTRACT NO. 66F83        |         |         |                 |              |
| ILLINOIS FED. AID PROJECT |         |         |                 |              |



**BRIDGE HANDRAIL REMOVAL**

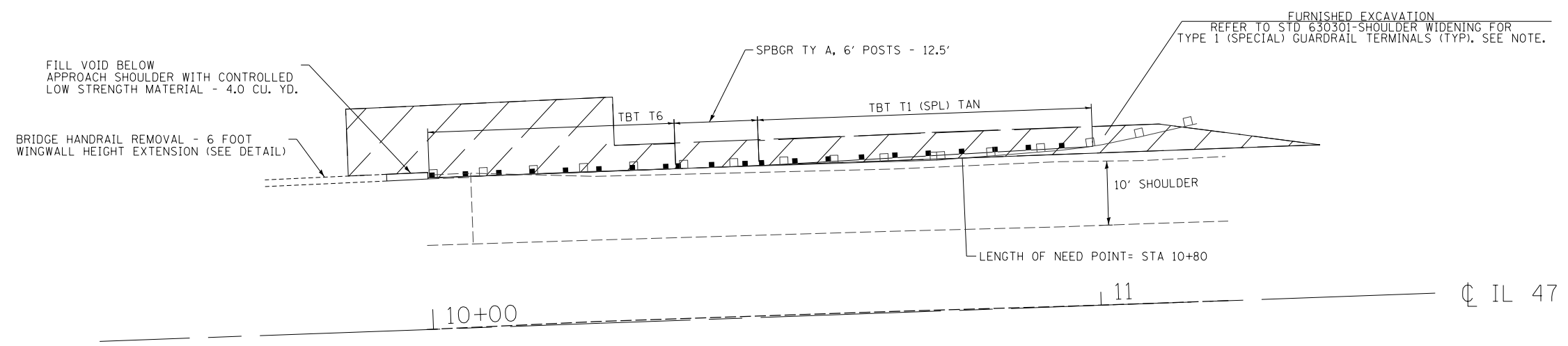


**DETAIL A**

**1 WINGWALL HEIGHT EXTENSION**

**GUARDRAIL TERMINAL SECTION LEGEND**

|        |              |
|--------|--------------|
| N.I.C. | 032-0079-001 |
| N.I.C. | N.I.C.       |



NOTE:  
USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = suser*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 20.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT  
032-0079 (LOCATION 3)**

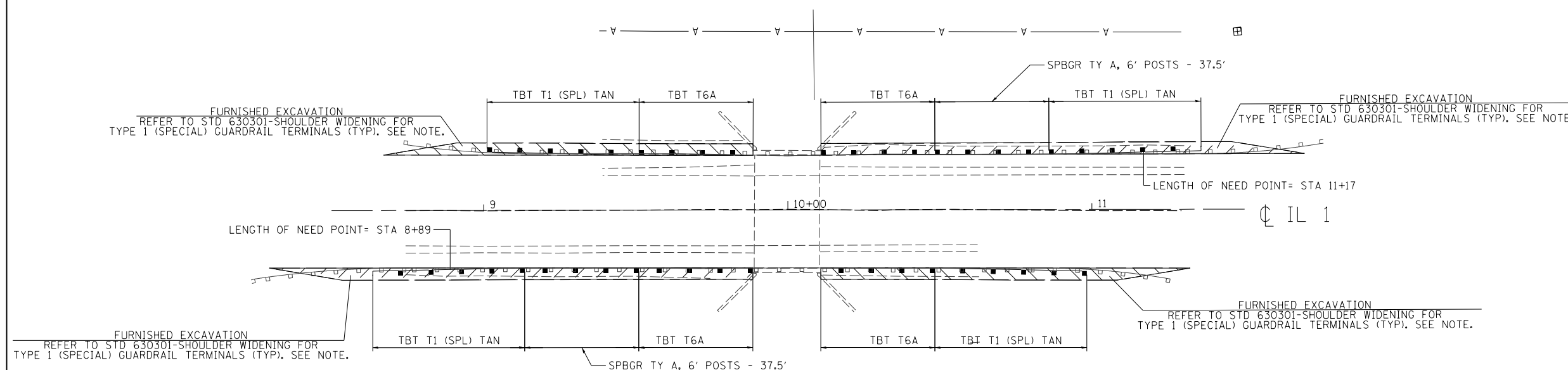
SCALE: 1"=10' SHEET PLN03 OF PLN23SHEETS STA. TO STA.

| F.A.-<br>RTE.             | SECTION | COUNTY  | TOTAL<br>SHEETS | SHEET<br>NO. |
|---------------------------|---------|---------|-----------------|--------------|
| VAR.                      | VARIOUS | VARIOUS | 33              | 15           |
| CONTRACT NO. 66F83        |         |         |                 |              |
| ILLINOIS FED. AID PROJECT |         |         |                 |              |



**GUARDRAIL TERMINAL SECTION LEGEND**

|              |              |
|--------------|--------------|
| 038-0164-008 | 038-0164-005 |
| 038-0164-001 | 038-0164-004 |



NOTE:  
 USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



SCALE IN FEET

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|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 40.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT  
 038-0164 (LOCATION 4)**

SCALE: 1"=20' SHEET PLN04 OF PLN23 SHEETS STA. TO STA.

| F.A.-<br>RTE.             | SECTION | COUNTY  | TOTAL<br>SHEETS | SHEET<br>NO.       |
|---------------------------|---------|---------|-----------------|--------------------|
| VAR.                      | VARIOUS | VARIOUS | 33              | 16                 |
|                           |         |         |                 | CONTRACT NO. 66F83 |
| ILLINOIS FED. AID PROJECT |         |         |                 |                    |

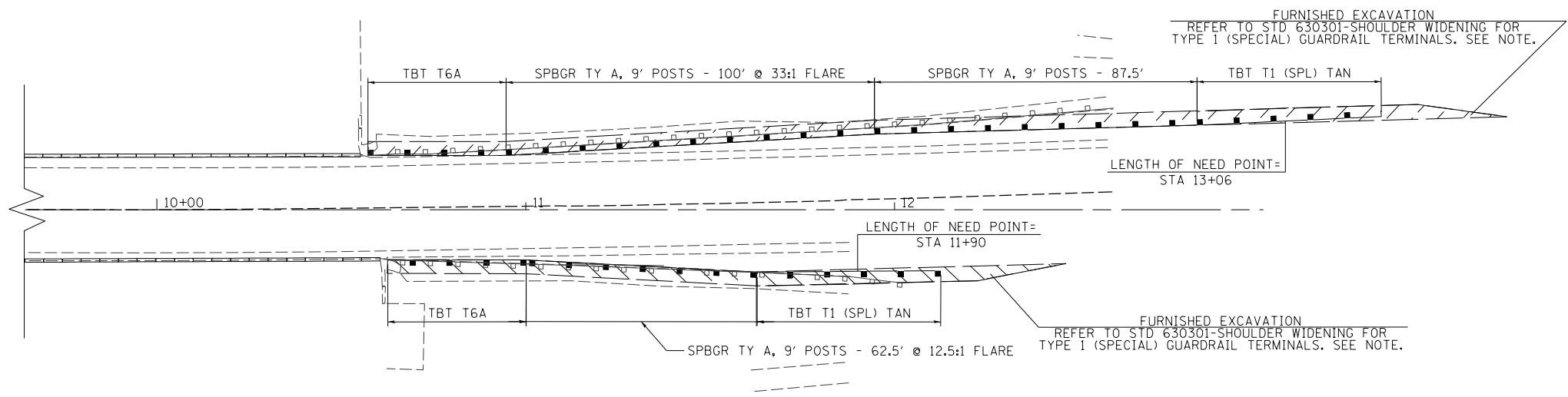




**GUARDRAIL TERMINAL SECTION LEGEND**

038-0023-005

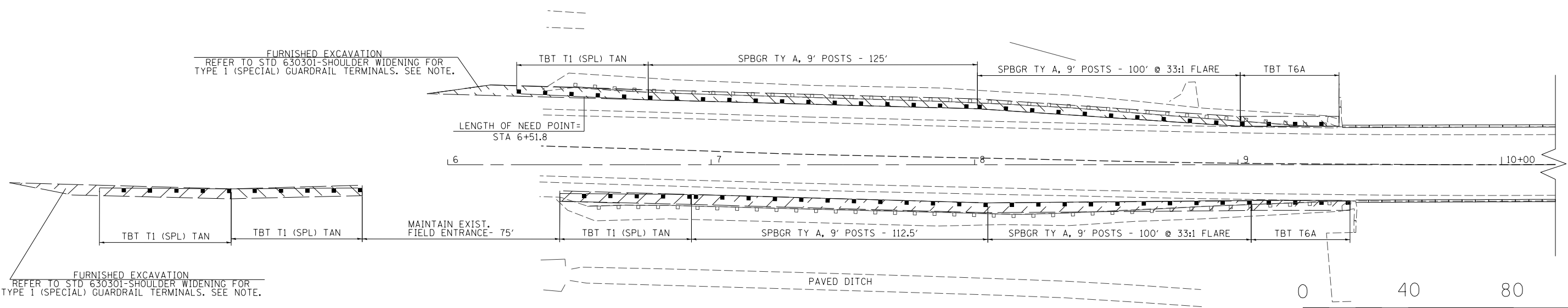
038-0023-004



**GUARDRAIL TERMINAL SECTION LEGEND**

038-0023-008

038-0023-001



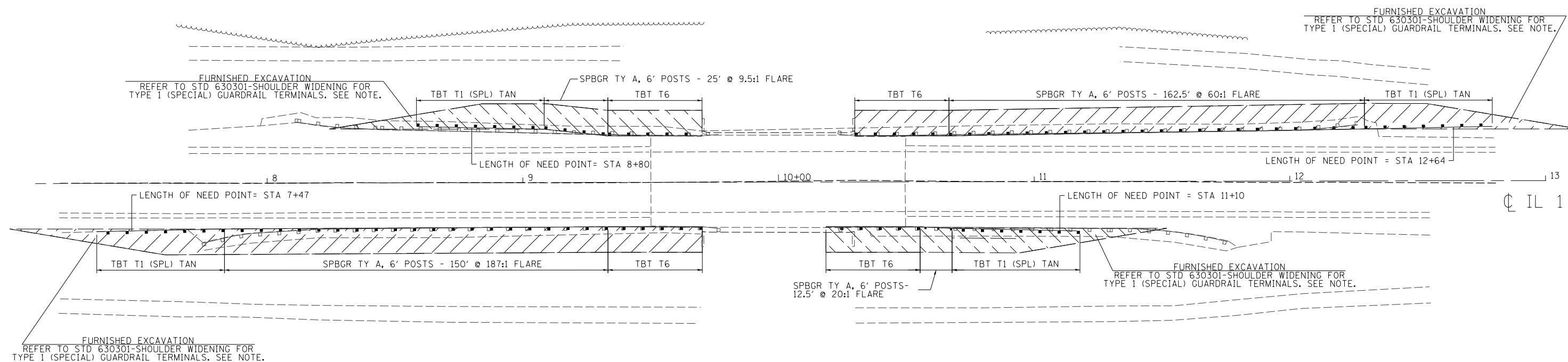
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|  |                                   |            |           |   |  |                             |        |         |                    |        |       |
|--|-----------------------------------|------------|-----------|---|--|-----------------------------|--------|---------|--------------------|--------|-------|
|  | USER NAME = sUSER*                | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>GUARDRAIL END SECTION REPLACEMENT</b><br><b>038-0023 (LOCATION 5)</b> |                             | F.A. - | SECTION | COUNTY             | TOTAL  | SHEET |
|  | PILOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |   |  |                             | VAR.   | VARIOUS | VARIOUS            | SHEETS | NO.   |
|  | PEN TABLE = 20073028-21.tbl       | CHECKED -  | REVISED - |   | SCALE: 1"=20'  | SHEET PLN05 OF PLN23 SHEETS | STA.   | TO STA. | CONTRACT NO. 66F83 |        |       |
|  | PLOT SCALE = 40.0000' / in.       | DATE -     | REVISED - |   | ILLINOIS FED. AID PROJECT  |                             |        |         |                    |        |       |



**GUARDRAIL TERMINAL SECTION LEGEND**

|              |              |
|--------------|--------------|
| 038-0197-008 | 038-0197-005 |
| 038-0197-001 | 038-0197-004 |



IL 1

NOTE:  
 USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 40.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT  
 038-0197 (LOCATION 6)**

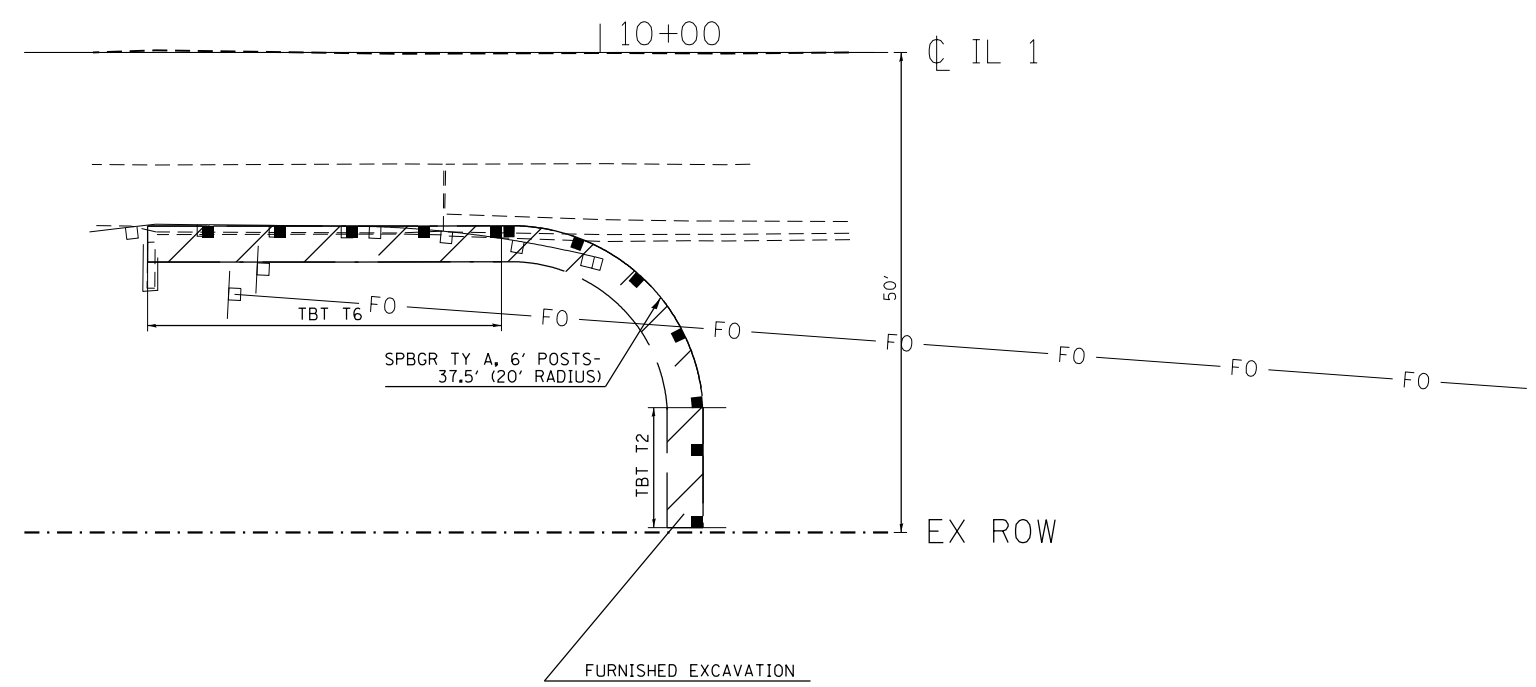
SCALE: 1"=10' SHEET PLN06 OF PLN23 SHEETS STA. TO STA.

| F.A.-RTE.                 | SECTION | COUNTY  | TOTAL SHEETS       | SHEET NO. |
|---------------------------|---------|---------|--------------------|-----------|
| VAR.                      | VARIOUS | VARIOUS | 33                 | 18        |
|                           |         |         | CONTRACT NO. 66F83 |           |
| ILLINOIS FED. AID PROJECT |         |         |                    |           |



**GUARDRAIL TERMINAL SECTION LEGEND**

|        |              |
|--------|--------------|
| N.I.C. | N.I.C.       |
| N.I.C. | 038-0025-004 |



NOTES:  
 INVESTIGATE THE LOCATION OF STORM SEWERS PRIOR TO DRIVING ANY NEW GUARDRAIL POSTS.  
 EXISTING CURB AND EXISTING DEPRESSED CURB AND GUTTER TO REMAIN IN PLACE.  
 POST SPACING MAY NEED TO BE ADJUSTED TO AVOID EXISTING FIBRE OPTIC LINE



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|  |                                    |            |           |  |   |                             |               |                           |        |                 |              |
|--|------------------------------------|------------|-----------|--|---|-----------------------------|---------------|---------------------------|--------|-----------------|--------------|
| 8501 W. Higgins Road, Suite 280<br>Chicago, Illinois 60631<br>(773) 399-0112 | USER NAME = \$USER\$               | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>         DEPARTMENT OF TRANSPORTATION</b> | <b>GUARDRAIL END SECTION REPLACEMENT<br/>         038-0025 (LOCATION 7)</b> |                             | F.A.-<br>RTE. | SECTION                   | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|  | PLOT DRIVER = pdfNQLAYERSbw.pltcfp | DRAWN -    | REVISED - |  | VAR.  | VARIOUS                     | VARIOUS       | 33                        | 19     |                 |              |
| PEN TABLE = 20073028-21.tbl  | CHECKED -                          | REVISED -  |           |  | CONTRACT NO. 66F83  |                             |               | ILLINOIS FED. AID PROJECT |        |                 |              |
| PLOT SCALE = 20.0000' / in.  | DATE -                             | REVISED -  |           |  | SCALE: 1"=10'   | SHEET PLN07 OF PLN23 SHEETS | STA.          | TO STA.                   |        |                 |              |

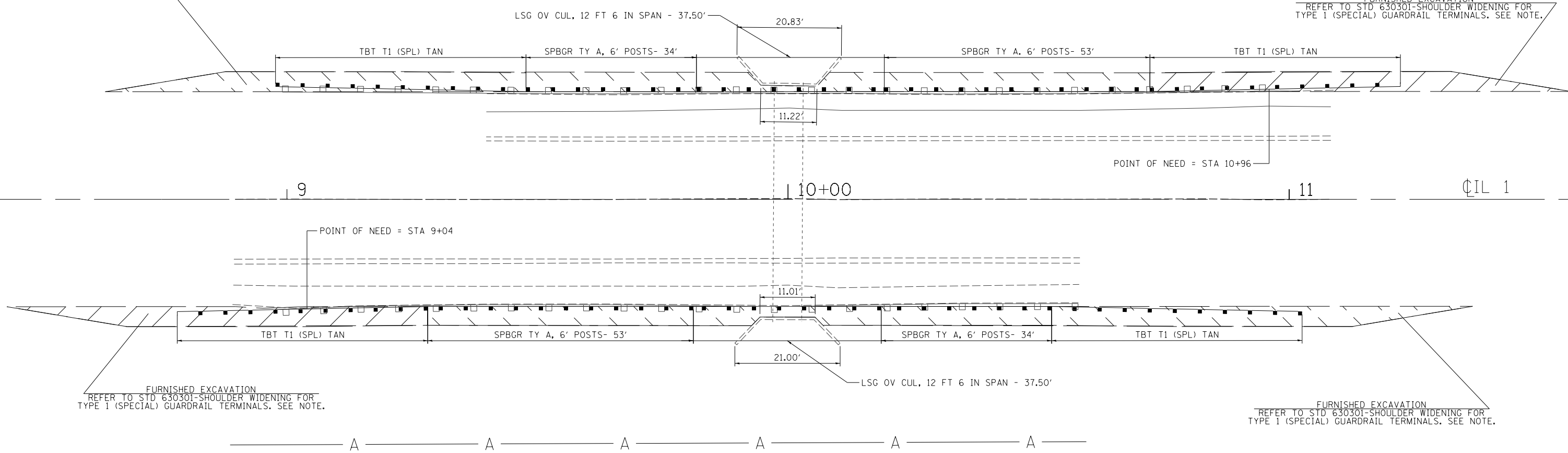


**GUARDRAIL TERMINAL SECTION LEGEND**

|              |              |
|--------------|--------------|
| 035-2515-004 | 035-2515-003 |
| 035-2515-001 | 035-2515-002 |

FURNISHED EXCAVATION  
REFER TO STD 630301-SHOULDER WIDENING FOR  
TYPE 1 (SPECIAL) GUARDRAIL TERMINALS. SEE NOTE.

FURNISHED EXCAVATION  
REFER TO STD 630301-SHOULDER WIDENING FOR  
TYPE 1 (SPECIAL) GUARDRAIL TERMINALS. SEE NOTE.



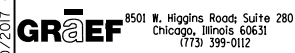
FURNISHED EXCAVATION  
REFER TO STD 630301-SHOULDER WIDENING FOR  
TYPE 1 (SPECIAL) GUARDRAIL TERMINALS. SEE NOTE.

FURNISHED EXCAVATION  
REFER TO STD 630301-SHOULDER WIDENING FOR  
TYPE 1 (SPECIAL) GUARDRAIL TERMINALS. SEE NOTE.

NOTE:  
USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND  
IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR  
SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS  
PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF  
BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 20.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT  
038-2515 (LOCATION 9)**

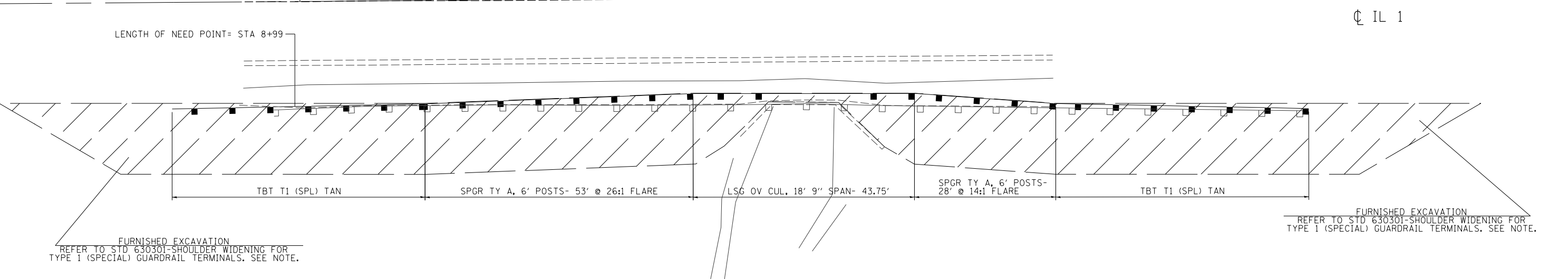
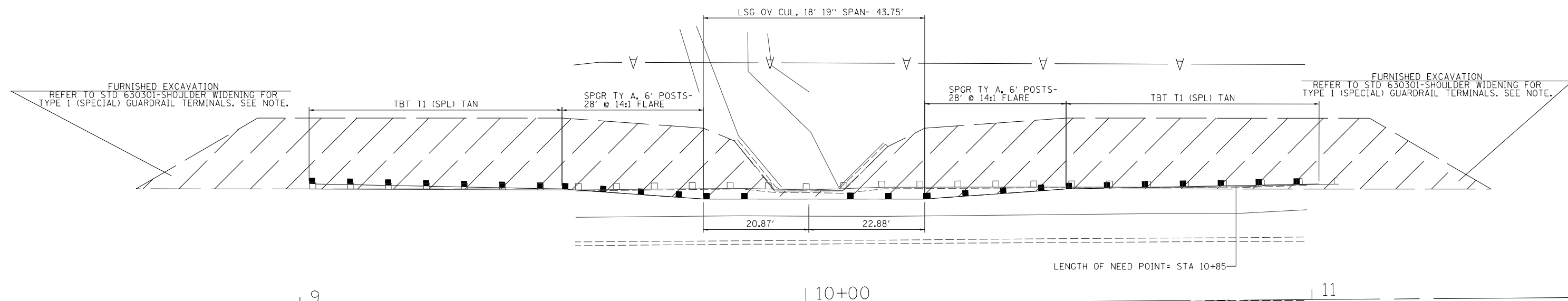
SCALE: 1"=10' SHEET PLN09 OF PLN23 SHEETS STA. TO STA.

| F.A.-<br>RTE.             | SECTION | COUNTY  | TOTAL<br>SHEETS | SHEET<br>NO.       |
|---------------------------|---------|---------|-----------------|--------------------|
| VAR.                      | VARIOUS | VARIOUS | 33              | 20                 |
|                           |         |         |                 | CONTRACT NO. 66F83 |
| ILLINOIS FED. AID PROJECT |         |         |                 |                    |



**GUARDRAIL TERMINAL SECTION LEGEND**

|              |              |
|--------------|--------------|
| 038-2004-004 | 038-2004-003 |
| 038-2004-001 | 038-2004-002 |



NOTE:  
 USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND  
 IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR  
 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS  
 PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF  
 BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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**GR&EF** 8501 N. Higgins Road, Suite 280  
 Chicago, Illinois 60631  
 (773) 399-0112

|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 20.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

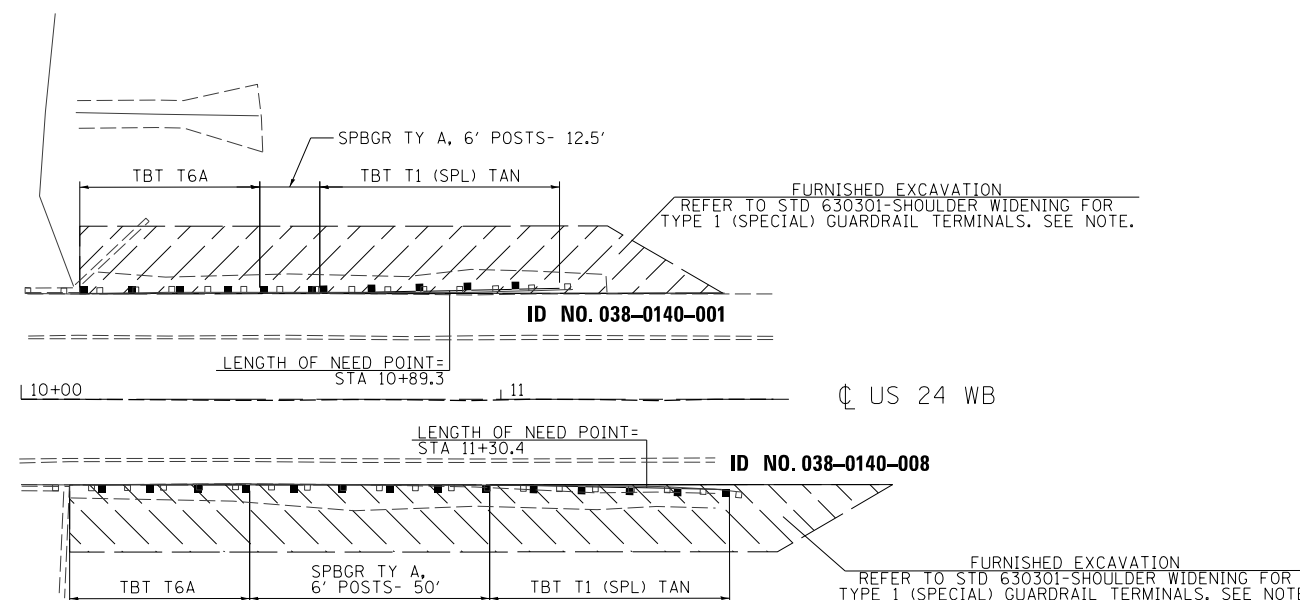
**GUARDRAIL END SECTION REPLACEMENT  
 038-2004 (LOCATION 11)**

SCALE: 1"=10'    SHEET PLN11 OF PLN23 SHEETS    STA.    TO STA.

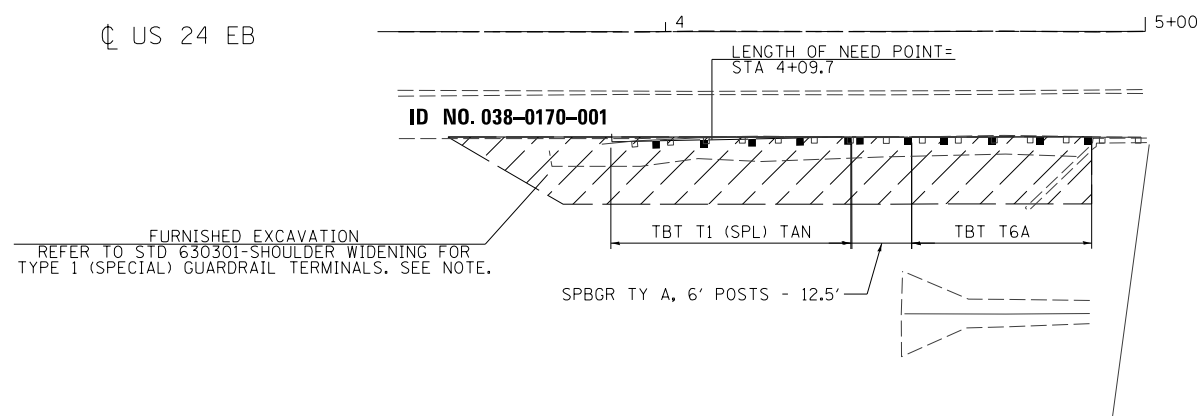
| F.A.-RTE.                 | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO.          |
|---------------------------|---------|---------|--------------|--------------------|
| VAR.                      | VARIOUS | VARIOUS | 33           | 21                 |
|                           |         |         |              | CONTRACT NO. 66F83 |
| ILLINOIS FED. AID PROJECT |         |         |              |                    |



## LOCATION 12B



US 24 EB



## LOCATION 12A

NOTE:  
USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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**GR@EF** 8501 W. Higgins Road, Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 40.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT  
038-0140 & 0170 (LOCATION 12A & 12B)**

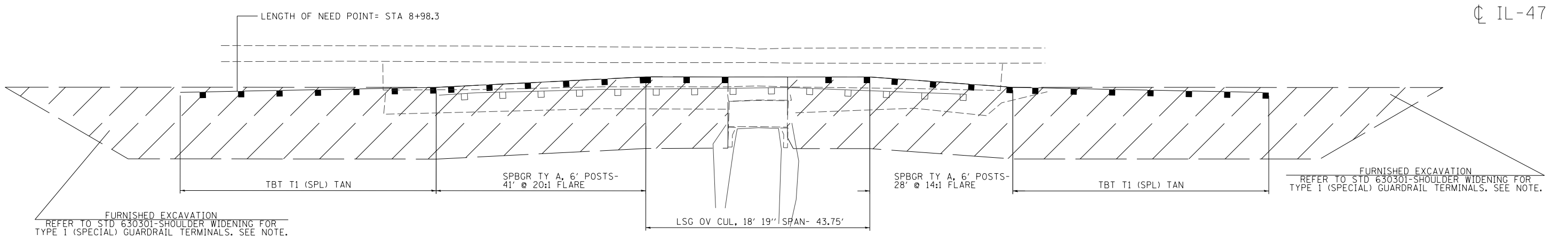
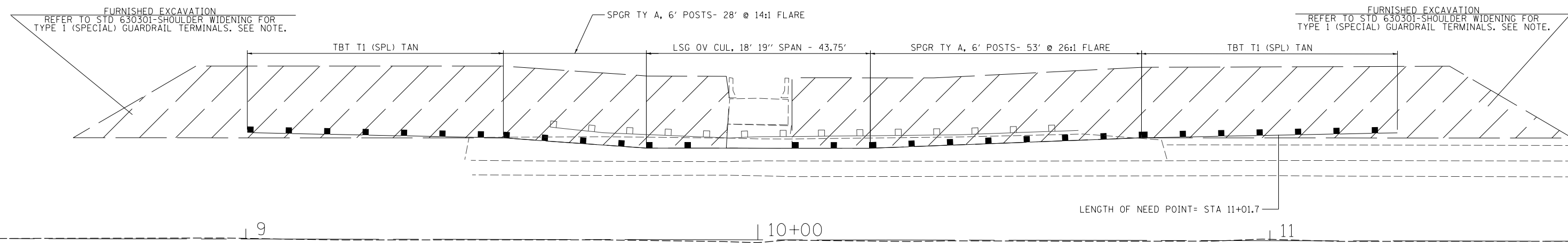
SCALE: 1"=20' SHEET PLN12 OF PLN23 SHEETS STA. TO STA.

| F.A.-<br>RTE.             | SECTION | COUNTY  | TOTAL<br>SHEETS | SHEET<br>NO.       |
|---------------------------|---------|---------|-----------------|--------------------|
| VAR.                      | VARIOUS | VARIOUS | 33              | 22                 |
|                           |         |         |                 | CONTRACT NO. 66F83 |
| ILLINOIS FED. AID PROJECT |         |         |                 |                    |



**GUARDRAIL TERMINAL SECTION LEGEND**

|              |              |
|--------------|--------------|
| 027-2523-004 | 027-2523-003 |
| 027-2523-001 | 027-2523-002 |



IL-47

NOTE:  
 USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 20.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT  
 027-2523 (LOCATION 14)**

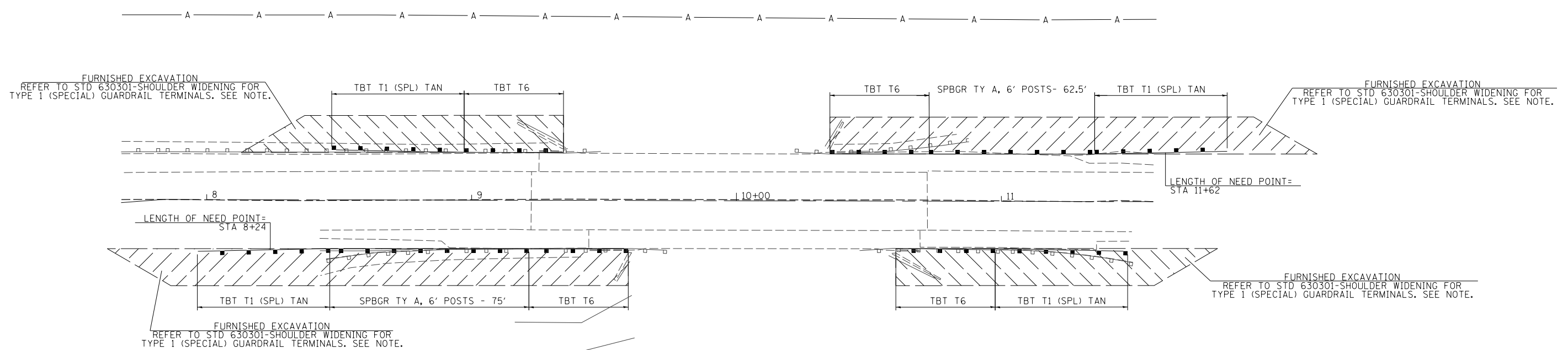
SCALE: 1"=10' SHEET PLN13 OF PLN23 SHEETS STA. TO STA.

| F.A. - RTE.               | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO.          |
|---------------------------|---------|---------|--------------|--------------------|
| VAR.                      | VARIOUS | VARIOUS | 33           | 23                 |
|                           |         |         |              | CONTRACT NO. 66F83 |
| ILLINOIS FED. AID PROJECT |         |         |              |                    |



**GUARDRAIL TERMINAL SECTION LEGEND**

|              |              |
|--------------|--------------|
| 046-0021-004 | 046-0021-001 |
| 046-0021-005 | 046-0021-008 |



NOTE:  
 USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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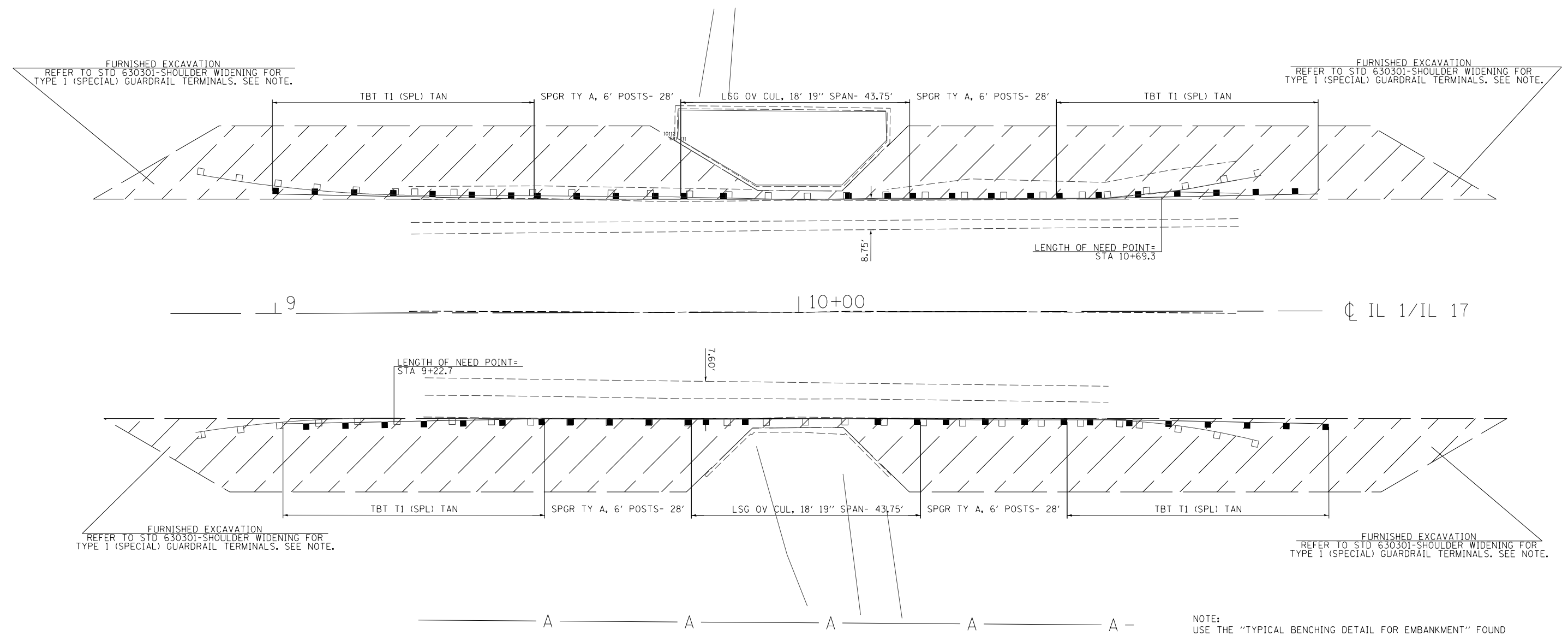
|  |                                  |            |           |   |   |                             |               |         |        |                           |              |
|--|----------------------------------|------------|-----------|---|---|-----------------------------|---------------|---------|--------|---------------------------|--------------|
| 8501 W. Higgins Road, Suite 280<br>Chicago, Illinois 60631<br>(773) 399-0112 | USER NAME = sUSER*               | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>GUARDRAIL END SECTION REPLACEMENT</b><br><b>046-0021 (LOCATION 15)</b> |                             | F.A.-<br>RTE. | SECTION | COUNTY | TOTAL<br>SHEETS           | SHEET<br>NO. |
|  | PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |   | SCALE: 1"=20'   | SHEET PLN14 OF PLN23 SHEETS | STA.          | TO STA. | VAR.   | VARIOUS                   | VARIOUS      |
|  | PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |   |   |                             |               |         |        | CONTRACT NO. 66F83        |              |
|  | PLOT SCALE = 40.0000' / in.      | DATE -     | REVISED - |   |   |                             |               |         |        | ILLINOIS FED. AID PROJECT |              |





**GUARDRAIL TERMINAL SECTION LEGEND**

|              |              |
|--------------|--------------|
| 046-2008-002 | 046-2008-001 |
| 046-2008-003 | 046-2008-004 |



NOTE:  
 USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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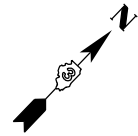
|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 20.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

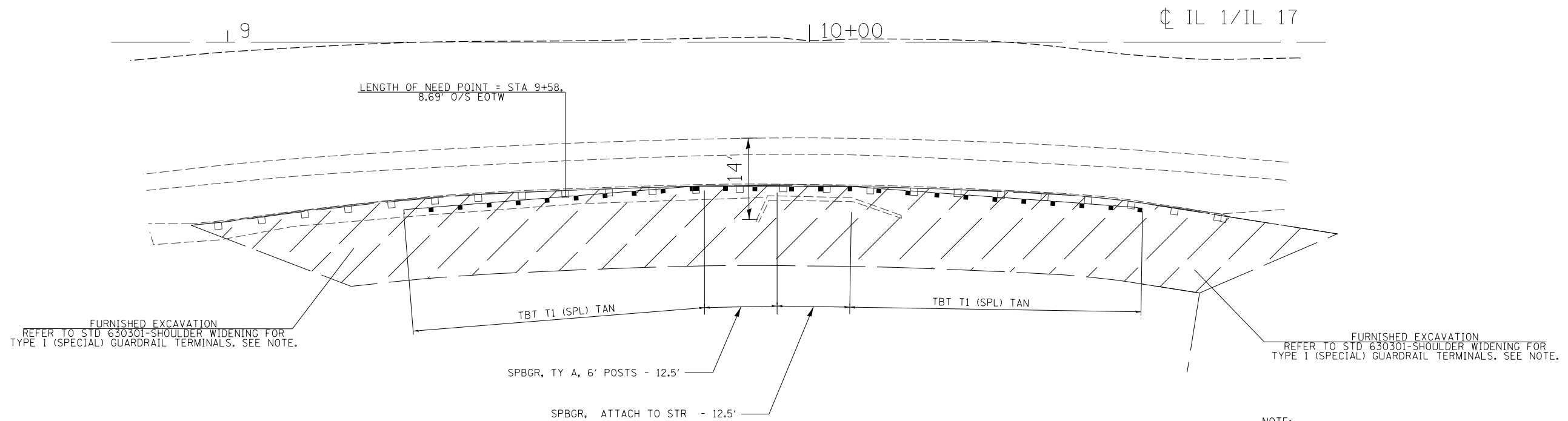
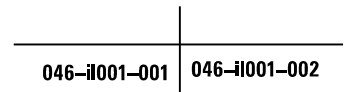
**GUARDRAIL END SECTION REPLACEMENT  
 046-2008 (LOCATION 16)**

SCALE: 1"=10' SHEET PLN15 OF PLN23 SHEETS STA. TO STA.

| F.A.-RTE.                 | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|---------|--------------|-----------|
| VAR.                      | VARIOUS | VARIOUS | 33           | 25        |
| CONTRACT NO. 66F83        |         |         |              |           |
| ILLINOIS FED. AID PROJECT |         |         |              |           |



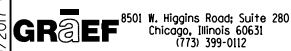
**GUARDRAIL TERMINAL SECTION LEGEND**



NOTE:  
 USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 20.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT  
 046-ii001 (LOCATION 17)**

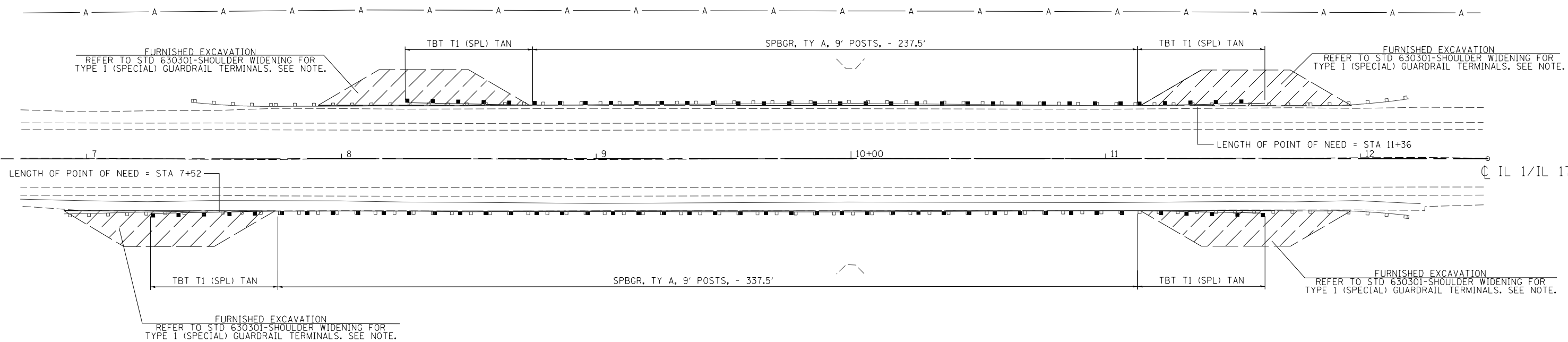
SCALE: 1"=10'    SHEET PLN16 OF PLN23 SHEETS    STA.    TO STA.

| F.A.-RTE.                 | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|---------|--------------|-----------|
| VAR.                      | VARIOUS | VARIOUS | 33           | 26        |
| CONTRACT NO. 66F83        |         |         |              |           |
| ILLINOIS FED. AID PROJECT |         |         |              |           |



**GUARDRAIL TERMINAL SECTION LEGEND**

|               |               |
|---------------|---------------|
| 046-ii001-004 | 046-ii001-003 |
| 046-ii001-005 | 046-ii001-006 |



NOTE:  
 USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELPH BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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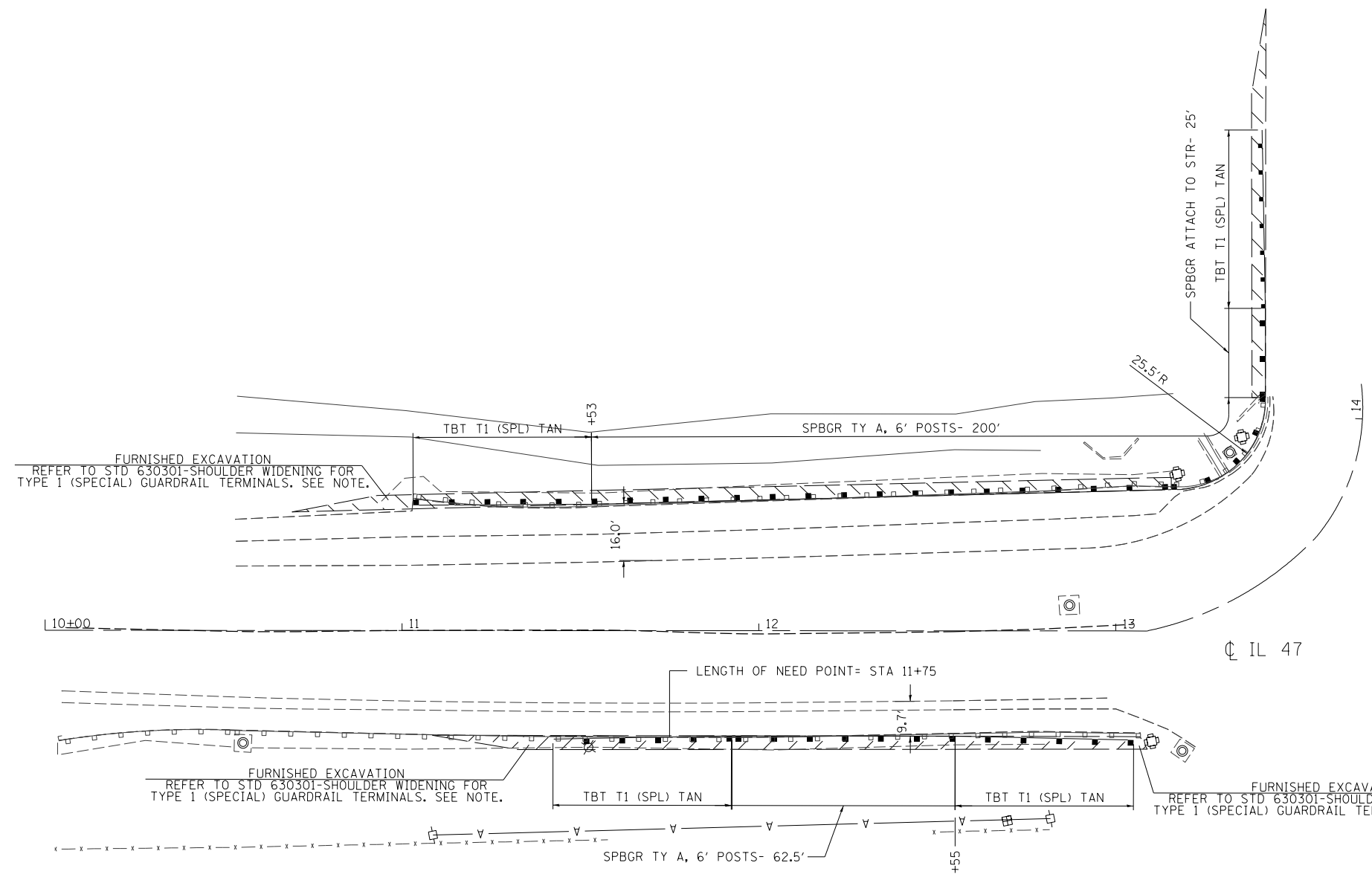
|  |                                  |            |           |   |  |                 |                           |         |         |       |       |
|--|----------------------------------|------------|-----------|---|--|-----------------|---------------------------|---------|---------|-------|-------|
| 8501 W. Higgins Road, Suite 280<br>Chicago, Illinois 60631<br>(773) 399-0112 | USER NAME = sUSER*               | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>GUARDRAIL END SECTION REPLACEMENT</b><br><b>046-ii001 (LOCATION 18)</b> |                 | F.A.-                     | SECTION | COUNTY  | TOTAL | SHEET |
|  | PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |   |  |                 | VAR.                      | VARIOUS | VARIOUS | 33    | 27    |
|  | PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |   |  |                 | CONTRACT NO. 66F83        |         |         |       |       |
|  | PLOT SCALE = 40.0000' / in.      | DATE -     | REVISED - |   |  |                 | ILLINOIS FED. AID PROJECT |         |         |       |       |
|  |                                  |            |           | SCALE: 1"=20'   | SHEET PLN17  | OF PLN23 SHEETS | STA.                      | TO STA. |         |       |       |



**GUARDRAIL TERMINAL SECTION LEGEND**

|               |               |
|---------------|---------------|
| 047-i1047-008 | 047-i1047-007 |
| 047-i1047-005 | 047-i1047-006 |

NOTE:  
BASELINE ROAD BRIDGE OVER ROB ROY CREEK  
IS UNDER THE YORKVILLE MUNICIPAL JURISDICTION



NOTE:  
USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND  
IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR  
SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS  
PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF  
BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 40.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT  
047-i1047 (LOCATION 19)**

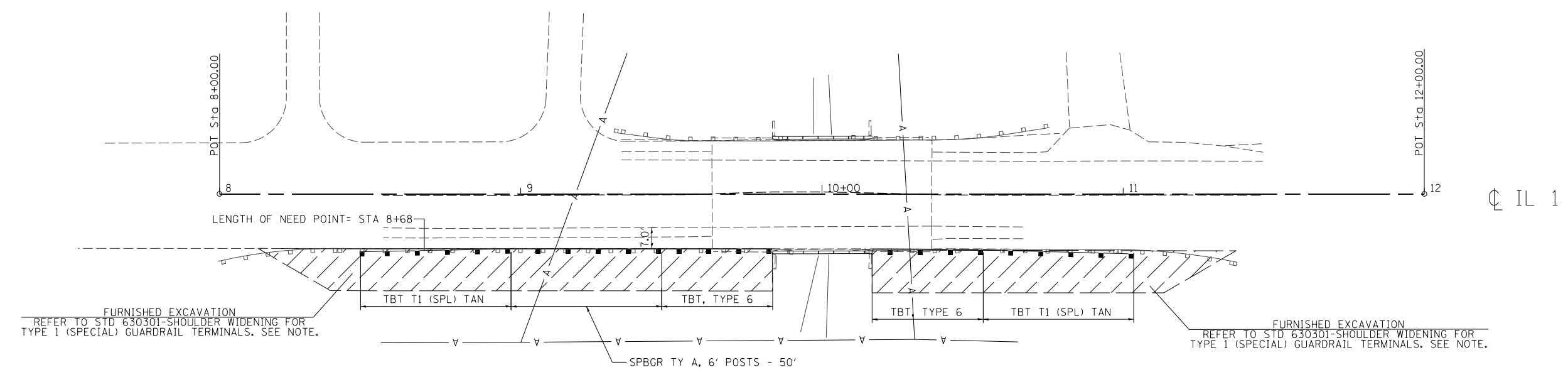
SCALE: 1"=20' SHEET PLN18 OF PLN23 SHEETS STA. TO STA.

| F.A.-<br>RTE.             | SECTION | COUNTY  | TOTAL<br>SHEETS | SHEET<br>NO. |
|---------------------------|---------|---------|-----------------|--------------|
| VAR.                      | VARIOUS | VARIOUS | 33              | 28           |
| CONTRACT NO. 66F83        |         |         |                 |              |
| ILLINOIS FED. AID PROJECT |         |         |                 |              |



**GUARDRAIL TERMINAL SECTION LEGEND**

|              |              |
|--------------|--------------|
| N.I.C.       | N.I.C.       |
| 046-0115-005 | 046-0115-008 |



NOTE:  
 USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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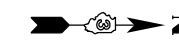
|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 40.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT  
 046-0115 (LOCATION 20)**

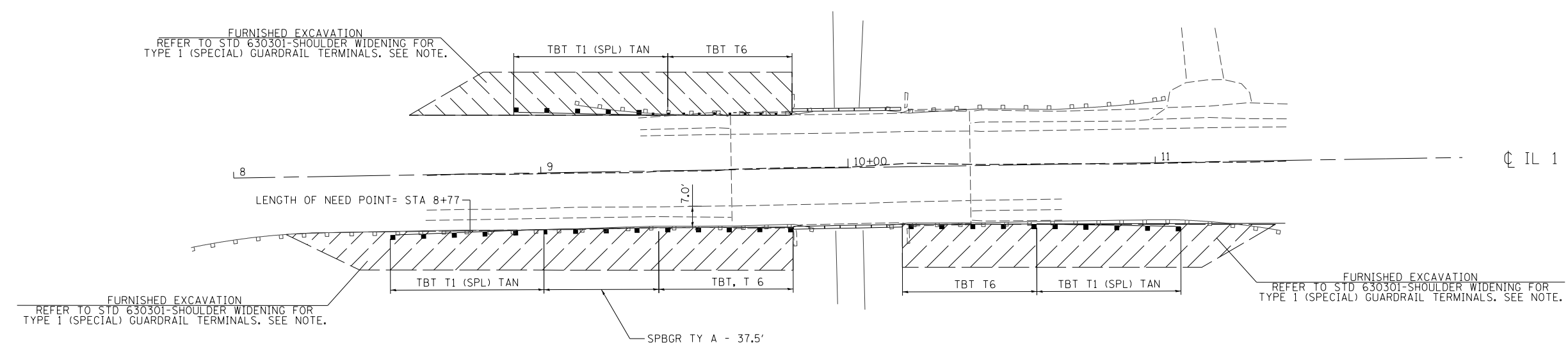
SCALE: 1"=20' SHEET PLN19 OF PLN23 SHEETS STA. TO STA.

|                           |         |         |                    |           |
|---------------------------|---------|---------|--------------------|-----------|
| F.A.-RTE.                 | SECTION | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| VAR.                      | VARIOUS | VARIOUS | 33                 | 29        |
|                           |         |         | CONTRACT NO. 66F83 |           |
| ILLINOIS FED. AID PROJECT |         |         |                    |           |



**GUARDRAIL TERMINAL SECTION LEGEND**

|              |              |
|--------------|--------------|
| 046-0116-004 | N.I.C.       |
| 046-0116-005 | 046-0116-008 |



NOTE:  
 USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 40.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT  
 046-0116 (LOCATION 21)**

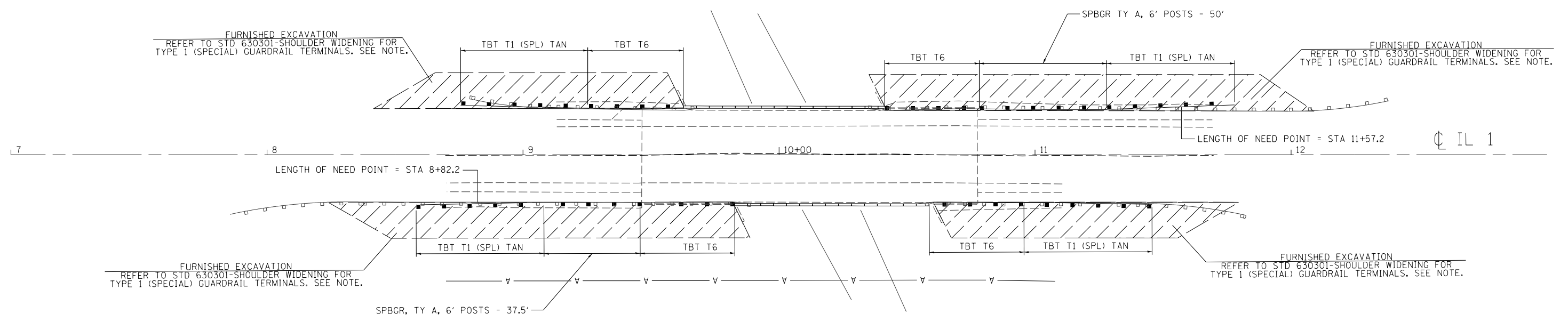
SCALE: 1"=20' SHEET PLN20 OF PLN23 SHEETS STA. TO STA.

| F.A. -<br>RTE.            | SECTION | COUNTY  | TOTAL<br>SHEETS    | SHEET<br>NO. |
|---------------------------|---------|---------|--------------------|--------------|
| VAR.                      | VARIOUS | VARIOUS | 33                 | 30           |
|                           |         |         | CONTRACT NO. 66F83 |              |
| ILLINOIS FED. AID PROJECT |         |         |                    |              |



**GUARDRAIL TERMINAL SECTION LEGEND**

|              |              |
|--------------|--------------|
| 046-0117-004 | 046-0117-001 |
| 046-0117-005 | 046-0117-008 |



NOTE:  
 USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND  
 IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR  
 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS  
 PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF  
 BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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|                                  |            |           |
|----------------------------------|------------|-----------|
| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 40.0000' / in.      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT  
 046-0117 (LOCATION 22)**

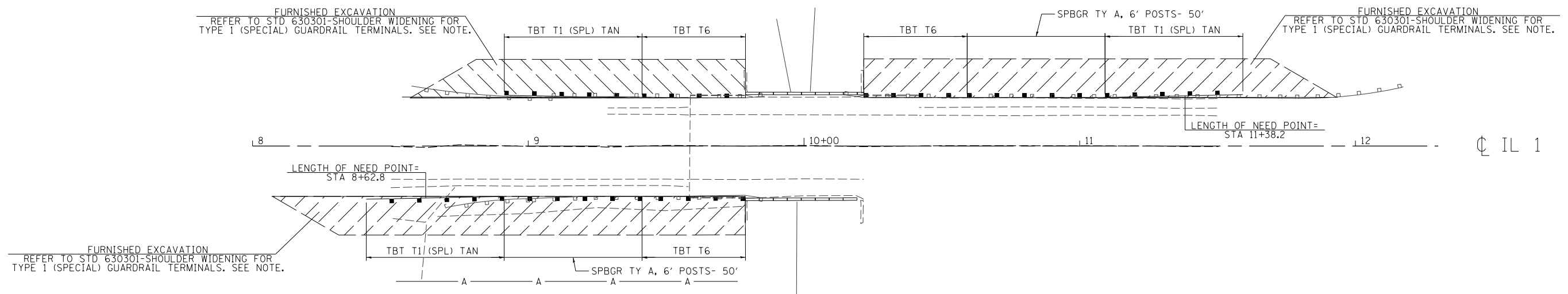
SCALE: 1"=20' SHEET PLN21 OF PLN23 SHEETS STA. TO STA.

| F.A.-RTE.                 | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO.          |
|---------------------------|---------|---------|--------------|--------------------|
| VAR.                      | VARIOUS | VARIOUS | 33           | 31                 |
|                           |         |         |              | CONTRACT NO. 66F83 |
| ILLINOIS FED. AID PROJECT |         |         |              |                    |



**GUARDRAIL TERMINAL SECTION LEGEND**

|              |              |
|--------------|--------------|
| 046-0118-004 | 046-0118-001 |
| 046-0118-005 | N.I.C.       |



CL IL 1

NOTE:  
 USE THE "TYPICAL BENCHING DETAIL FOR EMBANKMENT" FOUND IN THESE PLANS WHEN WIDENING THE EMBANKMENTS TO PROVIDE FOR SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS PER HIGHWAY STANDARD 630301 OR TO PROVIDE FOR THE 24" FLAT SHELF BEHIND THE NEW GUARDRAIL POSTS PER HIGHWAY STANDARD 630001 (TYP)



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|                                  |            |           |
|----------------------------------|------------|-----------|
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| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 40.0000' / in.      | DATE -     | REVISED - |

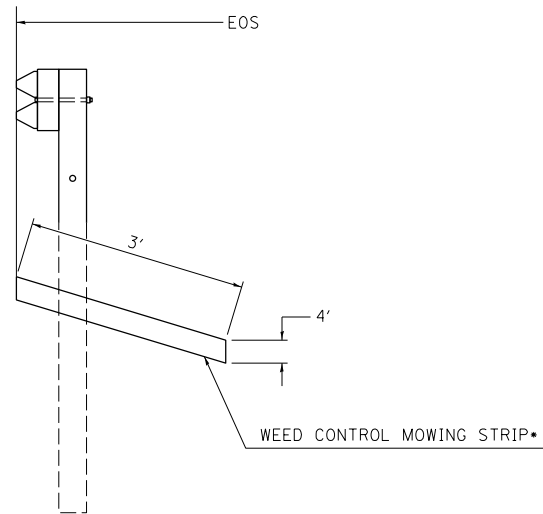
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT  
 046-0118 (LOCATION 23)**

SCALE: 1"=20' SHEET PLN22 OF PLN23 SHEETS STA. TO STA.

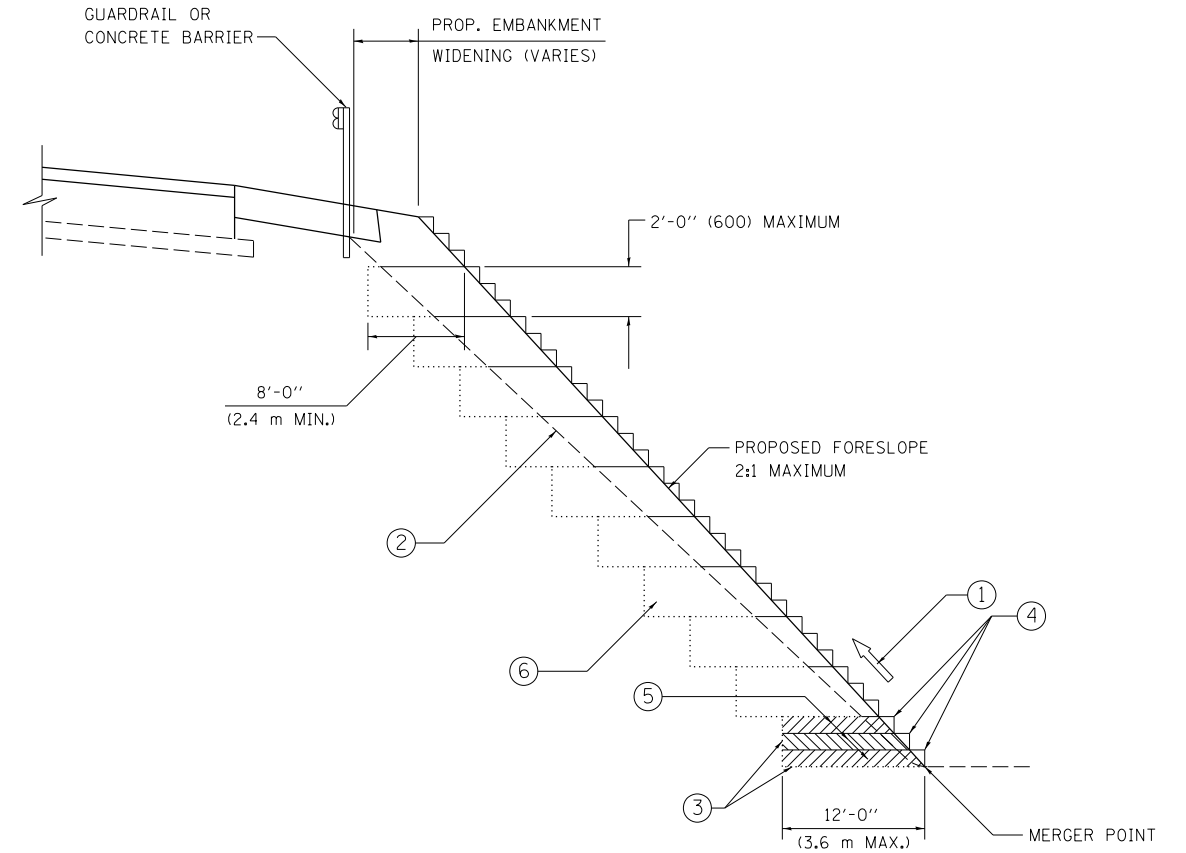
|                           |         |         |                    |              |
|---------------------------|---------|---------|--------------------|--------------|
| F.A. -<br>RTE.            | SECTION | COUNTY  | TOTAL<br>SHEETS    | SHEET<br>NO. |
| VAR.                      | VARIOUS | VARIOUS | 33                 | 32           |
|                           |         |         | CONTRACT NO. 66F83 |              |
| ILLINOIS FED. AID PROJECT |         |         |                    |              |





• PLACE MOWING STRIP UNDER ALL PROPOSED GUARDRAIL AND SECTIONS. TAPER MOWING STRIP AT THE SAME RATE AS THE TBT. TYPE I (SP) SO THAT MOWING STRIP IS BEHIND GUARDRAIL AT ALL TIMES.

**MOW STRIP DETAIL**



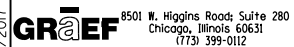
**TYPICAL BENCHING DETAIL FOR EMBANKMENT**

**NOTES:**

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION. THIS WORK WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 1:4 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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| USER NAME = sUSER*               | DESIGNED - | REVISED - |
| PLOT DRIVER = 20073028-21.pltcfp | DRAWN -    | REVISED - |
| PEN TABLE = 20073028-21.tbl      | CHECKED -  | REVISED - |
| PLOT SCALE = 2.0000' / in.       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL END SECTION REPLACEMENT  
BENCHING DETAIL FOR EMBANKMENT WIDENING**

SCALE: #SCALE35 SHEET DTLO1 OF DTLO1 SHEETS STA. TO STA.

|                           |         |         |                    |              |
|---------------------------|---------|---------|--------------------|--------------|
| F.A.-<br>RTE.             | SECTION | COUNTY  | TOTAL<br>SHEETS    | SHEET<br>NO. |
| VAR.                      | VARIOUS | VARIOUS | 33                 | 33           |
| <b>BD-51</b>              |         |         | CONTRACT NO. 66F83 |              |
| ILLINOIS FED. AID PROJECT |         |         |                    |              |