

09-16-2016 LETTING ITEM 021

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

# PROPOSED HIGHWAY PLANS

FAI 39 (I-39)  
SECTION (141-1)M-4  
PROJECT: ACHSIP-0039(401)  
RAMP RECONSTRUCTION  
OGLE COUNTY  
C-92-022-16

|                     |            |                    |              |           |
|---------------------|------------|--------------------|--------------|-----------|
| F.A.I. RTE.         | SECTION    | COUNTY             | TOTAL SHEETS | SHEET NO. |
| 39                  | (141-1)M-4 | OGLE               | 82           | 1         |
| FED. ROAD DIST. NO. | ILLINOIS   | CONTRACT NO. 64L03 |              |           |

D-92-026-14



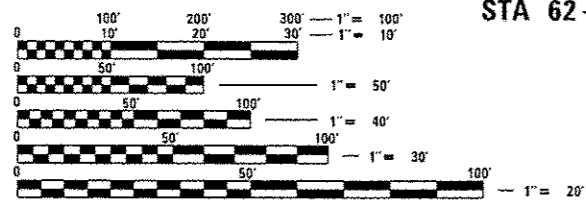
PROJECT ENGINEER: STEVE ROBERY

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR STATE STANDARDS, SEE SHEET NO. 2

DESIGN DESIGNATION  
395(36) - INTERSTATE ENT. RAMP - 11.78(FD-20)

SQUAD ENGINEER: COREY CONDERMAN (815)-284-5936

DEMENT TOWNSHIP 29 & 32

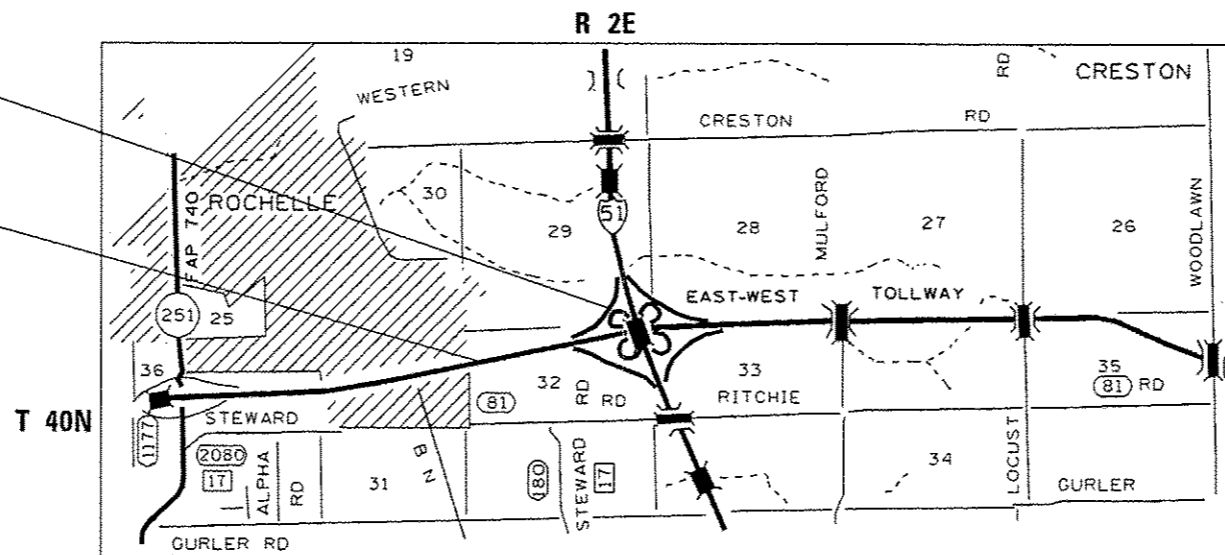


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

SECTION BEGINS  
STA 29+17.10

SECTION ENDS  
STA 62+46.20



GROSS LENGTH = 3,329.1 FT. = 0.63 MILE

NET LENGTH = 3,329.1 FT. = 0.63 MILE

PROJECT ENGINEER: STEVE ROBERY  
SENIOR SQUAD LEADER: FAITH DUNCAN (815) 284-5364  
SQUAD ENGINEER: COREY CONDERMAN (815) 284-5936  
CONTRACT NO. 64L03

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 15 20 16  
Paul A. Swets  
REGIONAL ENGINEER

Aug 12 20 16  
William M. Addis, PE, Esq.  
ENGINEER OF DESIGN AND ENVIRONMENT

Aug 12 20 16  
Shirley A. [Signature]  
DIRECTOR OF PROGRAM DEVELOPMENT

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# INDEX OF SHEETS

## INDEX OF SHEETS

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## STATE STANDARDS

|             |  |
|-------------|--|
| 000001 - 06 | Standard Symbols, Abbreviations and Patterns   |
| 001006      | Demical of an Inch and of a Foot   |
| 280001 - 07 | Temporary Erosion Control Systems  |
| 406001 - 06 | Entrance Ramp Terminal (Flexible Ramp Pavement Adjacent to Flexible Mainline Pavement) |
| 482001 - 02 | HMA Shoulder Adjacent to Flexible Pavement   |
| 542001 - 06 | Concrete End Sections for Pipe Culverts 15" Thru 84" Diameter                          |
| 542011 - 02 | Concrete End Sections for Elliptical Pipe Culverts 15" Thru 72" Equivalent Diameter    |
| 542311 - 06 | Traversable Pipe Grate   |
| 601001 - 05 | Pipe Underdrains   |
| 601101 - 02 | Concrete Headwall for Pipe Underdrain  |
| 635001 - 02 | Delineators  |
| 642001 - 02 | Shoulder Rumble Strips, 16 in.   |
| 701006 - 05 | Off-Road Operations, 2L, 2W, 15' to 24" From Pavement Edge                             |
| 701101 - 05 | Off-Road Operations, Multilane, 15' to 24" From Pavement Edge                          |
| 701106 - 02 | Off-Road Operations, Multilane, More Than 15' Away                                     |
| 701400 - 08 | Approach to Lane Closure, Freeway/Expressway   |
| 701401 - 09 | Lane Closure, Freeway/Expressway   |
| 701411 - 09 | Lane Closure, Multilane, at Entrance or Exit Ramp, for Speeds ≥ 45 MPH                 |
| 701426 - 08 | Lane Closure, Multilane, Intermittent or Moving Oper., for Speeds ≥ 45 MPH             |
| 701451 - 03 | Ramp Closure Freeway/Expressway  |
| 701456 - 03 | Partial Exit Ramp Closure Freeway/Expressway   |
| 701901 - 05 | Traffic Control Devices  |
| 720011 - 01 | Metal Posts for Signs, Markers and Delineators   |
| 728001 - 01 | Telescoping Steel Sign Support   |
| 729001 - 01 | Applications of Types A and B Metal Posts (For Signs & Markers)                        |
| 780001 - 05 | Typical Pavement Markings  |
| 781001 - 04 | Typical Applications Raised Reflective Pavement Markers                                |

|  |                      |                                    |           |                                     |                        |        |          |        |         |                           |
|--|----------------------|------------------------------------|-----------|-------------------------------------|------------------------|--------|----------|--------|---------|---------------------------|
| FILE NAME *  | USER NAME = anknoyde | DESIGNED -                         | REVISED - | <b>STATE OF ILLINOIS</b>            | <b>INDEX OF SHEETS</b> | F.A. I | SECTION  | COUNTY | TOTAL   | SHEET                     |
| pu\11084EBIDINTEG.illinois.gov\PI00T\Documents\1007\Office\District 2\Projects\F2016\BROADBAND\GAD\sheet\0202614-shr-ganno |                      | CHECKED -                          | REVISED - | <b>DEPARTMENT OF TRANSPORTATION</b> |                        | 39     | 041-1M-4 | OGLE   | 82      | 2                         |
| Default  |                      | PLT SCALE * 100.000 / in.          | REVISED - |                                     | SCALE:                 |        |          |        |         |                           |
|  |                      | PLT DATE * Jun-15-2016 10:28:31 AM | REVISED - |                                     | SHEET                  | OF     | SHEETS   | STA.   | TO STA. | CONTRACT NO. 64L03        |
|  |                      |                                    |           |                                     |                        |        |          |        |         | ILLINOIS FED. AID PROJECT |

# GENERAL NOTES

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1A. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches

Previously pugmilled stockpiles of "Type A" older than 1 month will not be approved for use until a moisture check is run to verify moisture content. Material shipped to projects without being tested will not be accepted.

Placement and compaction of the backfill for proposed across road culverts and existing across road culverts that are removed shall conform to Article 502.10 of the Standard Specifications, except that the material shall conform to Article 208.02 of the Standard Specifications, and shall be compacted to a minimum of 95% of the standard laboratory density. Any material conforming to the requirements of Article 1003.04 or 1004.05 for trench backfill which has been excavated from the trenches shall be used for backfilling the trenches. The entire excavation, within 2 feet outside of each shoulder, shall be backfilled with trench backfill material to the bottom of the proposed subgrade. Impervious material shall be used on the outer 3 feet of each end of the culvert. This trench backfill material will not be measured for payment, but shall be included in unit price item of the work for which it is required.

The subgrade on this project, exclusive of rock cut areas is scheduled to be improved to a 12" depth according to Mechanistic Pavement Design. The areas scheduled to be improved to a depth greater than 12" are estimated based on the original geotechnical investigation. The subgrade shall be processed in accordance with Article 301.04 of the Standard Specifications before the engineer shall determine the limits and the additional thickness of improvement required, if any. Any additional undercutting required after this evaluation shall be paid for as EARTH EXCAVATION.

All "Aggregate Subgrade Improvement" (Section 303), shall be completed in accordance with Articles 311.04, 311.05, 311.05(a), 311.06 and 311.07. All aggregate subgrade thicknesses equal to or less than 12 inches shall be constructed of aggregate of CA02 gradation. All aggregate subgrade thicknesses greater than 12 inches shall be constructed of CS02.

All embankment constructed of cohesive soil shall be constructed with not more than 110% of optimum moisture content, determined by the standard proctor test. Cohesive soil shall be defined as any soil which contains greater than 10% particles by weight passing the 75 µm (#200 sieve). The 110% of optimum moisture limit may be waived in free-draining granular material when approved by the Engineer.

The following Mixture Requirements are applicable for this project:

| Mixture Uses(s):                        | Full Depth Pavement |                 |                 | Shoulders        |                 |
|---|---------------------|-----------------|-----------------|------------------|-----------------|
|   | Surface             | Top Lift Binder | All Other Lifts | Top Lift         | All Lower Lifts |
| PG:                                     | SBS PG 70-28        | SBS PG 70-28    | PG 64-22        | PG 64-22         | PG 64-22        |
| Design Air Voids                        | 4.0 @ N70           | 4.0 @ N70       | 4.0 @ N70       | 4.0 @ N50        | 4.0 @ N50       |
| Mixture Composition (Gradation Mixture) | IL 9.5              | IL 19.0         | IL 19.0         | IL 9.5 OR 9.5 FG | IL 19.0         |
| Friction Aggregate                      | D                   | N/A             | N/A             | C                | N/A             |
| 20 Year ESAL                            | 3.5                 | 3.5             | 3.5             | N/A              | N/A             |
| Quality Management Program to be Used   | QC/QA               | QC/QA           | QC/QA           | QC/QA            | QC/QA           |
| Sublot Tonnage                          |                     |                 |                 |                  |                 |

The Contractor will be required to furnish 5 1/2" high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 6" inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

The area to be tacked or primed shall be limited to that which can be covered with HMA on the next day's production, but no more than five days in advance of the placement of the HMA, unless approved by the Engineer.

Install rumble strips in all shoulders in accordance with State Standard 642001 Rumble Strips shall be placed on shoulders on both sides of the pavement.

The soils report and profiles are available at the District Office for Contractor's review.

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted. Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

The Contractor shall be responsible for collecting and maintaining an electronic log of all stakeout survey that is performed on the job, either by him/her or any sub-contractor performing the stakeout. Upon request, all logs shall be submitted to the Department. No additional compensation will be allowed for this work, but shall be considered included in the cost for CONSTRUCTION LAYOUT.

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 8 feet high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 8 inches, not 7 inches, as shown in the detail of Typical Lane and Edge Lines.
4. Centerline Skip Dash Pavement Marking on multi-lane divided, multi-lane undivided, and one-way roadway shall be according to District Standard 41.1.

PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1 mile or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: One Each.

Permanent Survey Markers, Type II shall be cast-in-place as shown on District Standard 66.2, or another option would be to install a vaulted style, monumented as described by NGS as a 3D monument (Top Security Sleeve Rod Monument), with installation instructions provided by the District Chief of Surveys. If poured in place, the bottom of the marker shall be 5'-0" below the ground surface.

The Permanent Survey Markers, if possible, shall be installed at the beginning of the job and protected throughout.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The horizontal coordinates must be derived by GPS and the elevation derived using an electronic level. The meta data, such as the Geoid used, (NGS adjustment ie: 97 HARN, 03, 07), and the base point(s) name or number shall be submitted along with a complete collection log. If collected using RTK method, it will require either 3 collections (averaged) from 2 different bases, or a minimum of 3 collections (averaged), at least 2 hours apart, from the same base. If using a CORS type network, the collection procedure shall include localizing with check shots on at least 2 different HARN monuments both before and after collection. The level circuit shall be run from furnished mark to furnished mark and then adjusted. The error of closure shall be submitted with the electronic level notes in a recognized format approved by the Engineer and/or the Chief of Surveys. The Engineer shall submit this information to the District Chief of Surveys.

|                          |                               |                                |           |   |               |                    |            |        |              |           |                 |
|--------------------------|-------------------------------|--------------------------------|-----------|---|---------------|--------------------|------------|--------|--------------|-----------|-----------------|
| FILE NAME = 64.03.GNDCCX | USER NAME =                   | DESIGNED - Engineering Systems | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | GENERAL NOTES | TA                 | SECTION    | COUNTY | LOCAL SHEETS | SHEET NO. |                 |
|                          | PLOT SCALE =                  | DRAWN -                        | REVISED - |   |               | INVEST             | (144-1)M-4 | Ogle   | 3            | 82        |                 |
|                          | PLOT DATE = 5/26/2016 1:29 PM | CHECKED -                      | REVISED - |   |               | CONTRACT NO. 64L03 |            |        |              |           |                 |
|                          | DATE = 12/02/2015 9:54 AM     | REVISED -                      |           | SCALE   | SHEET NO      | OF                 | SHEETS     | STA    | TO STA       | SUBDES    | FED AID PROJECT |

# GENERAL NOTES

The Contractor shall be responsible for locating and protecting utility property during construction operations as outlined in Article 107.39 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

|  |  |
|--|--|
| <b>BP Pipelines North America, Inc. (630) 536-2519</b><br><b>AT&amp;T (630) 573-5465</b><br><b>Rochelle Municipal Utilities (815) 561-2059</b> | <b>Frontier (815) 544-6171</b><br><b>NICOR Gas (630) 388-3046</b><br><b>G4S Technology, LLC (630) 343-2155</b> |
|--|--|

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

When work is being done on Tollway right-of-way or when a locate is required for Tollway facilities, the Contractor shall be responsible for contacting the Illinois State Toll Highway Authority and make the appropriate request.

All existing pipe underdrain shall be completely removed and new pipe underdrain shall be installed. This work shall be included in the cost for PIPE UNDERDRAINS.

The final top 4 inches of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils. The cost of this work shall be included in the unit prices bid and no additional compensation will be allowed.

|                          |                               |                                |           |   |                      |                    |            |                         |              |           |
|--------------------------|-------------------------------|--------------------------------|-----------|---|----------------------|--------------------|------------|-------------------------|--------------|-----------|
| FILE NAME = S4L03 QN000X | USER NAME =                   | DESIGNED - Engineering Systems | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>GENERAL NOTES</b> | T.A. #             | SECTION    | COUNTY                  | TOTAL SHEETS | SHEET NO. |
|                          | PLOT SCALE =                  | CHECKED -                      | REVISED - |   |                      | 10000              | (141-1)M.4 | Ogle                    | 4            | 82        |
|                          | PLOT DATE = 5/26/2016 1:29 PM | DATE 12/02/2015 9:54 AM        | REVISED - |   |                      | CONTRACT NO. 84L03 |            |                         |              |           |
|                          |                               |                                |           | SCALE   | SHEET NO. OF SHEETS  | STA                | TO STA     | BLANDS REG. NO. PROJECT |              |           |

# SUMMARY OF QUANTITIES

| CODE NUMBER | ITEM                              | UNIT  | URBAN          | ROADWAY                              |
|-------------|-----------------------------------|-------|----------------|--------------------------------------|
|             |                                   |       | TOTAL QUANTITY | 90% FED<br>10% STATE<br>HSIP<br>0021 |
| 20200100    | EARTH EXCAVATION                  | CU YD | 4,866          | 4,866                                |
| 20400800    | FURNISHED EXCAVATION              | CU YD | 1,183          | 1,183                                |
| 21101505    | TOPSOIL EXCAVATION AND PLACEMENT  | CU YD | 2,446          | 2,446                                |
| 25000210    | SEEDING, CLASS 2A                 | ACRE  | 4.00           | 4.00                                 |
| 25000310    | SEEDING, CLASS 4                  | ACRE  | 1.00           | 1.00                                 |
| 25000400    | NITROGEN FERTILIZER NUTRIENT      | POUND | 450            | 450                                  |
| 25000500    | PHOSPHORUS FERTILIZER NUTRIENT    | POUND | 450            | 450                                  |
| 25000600    | POTASSIUM FERTILIZER NUTRIENT     | POUND | 450            | 450                                  |
| ** 25000750 | MOWING                            | ACRE  | 4.00           | 4.00                                 |
| 25100125    | MULCH, METHOD 3                   | ACRE  | 4.25           | 4.25                                 |
| 25100630    | EROSION CONTROL BLANKET           | SQ YD | 4,197          | 4,197                                |
| 25100900    | TURF REINFORCEMENT MAT            | SQ YD | 14             | 14                                   |
| 28000250    | TEMPORARY EROSION CONTROL SEEDING | POUND | 2,000          | 2,000                                |

\* SPECIALTY ITEM

\*\* NON PARTICIPATING 100% STATE

|  |   |            |           |   |                              |                    |            |                           |        |       |         |
|--|---|------------|-----------|---|------------------------------|--------------------|------------|---------------------------|--------|-------|---------|
| FILE NAME :                              | USER NAME : ankneyde  | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>SUMMARY OF QUANTITIES</b> | F.A. I             | SECTION    | COUNTY                    | TOTAL  | SHEET |         |
| pm\1\1084EB10INTEG.sllinois.gov\PI007\Do | uments\DOT Offices\District 2\Projects\2015\DRAWING\0202614.sht-500.dgn | CHECKED -  | REVISED - |   |                              | 39                 | (141-13M-4 | OGLE                      | 82     | 5     |         |
| Default                                  | PLOT SCALE : 100.0000 ' / in.   | DATE -     | REVISED - |   |                              | CONTRACT NO. 64L03 |            | ILLINOIS FED. AID PROJECT |        |       |         |
|  | PLOT DATE : Jun-15-2016 02:13:43 PM                                     |            |           |   |                              | SCALE:             | SHEET      | OF                        | SHEETS | STA.  | TO STA. |

# SUMMARY OF QUANTITIES

| CODE NUMBER | ITEM   | UNIT  | URBAN          | ROADWAY                              |
|-------------|--|-------|----------------|--------------------------------------|
|             |  |       | TOTAL QUANTITY | 90% FED<br>10% STATE<br>HSIP<br>0021 |
| 28000305    | TEMPORARY DITCH CHECKS                                   | FOOT  | 1,136          | 1,136                                |
| 28000400    | PERIMETER EROSION BARRIER                                | FOOT  | 1,350          | 1,350                                |
| 28000500    | INLET AND PIPE PROTECTION                                | EACH  | 1              | 1                                    |
| 28100107    | STONE RIPRAP, CLASS A4                                   | SQ YD | 101            | 101                                  |
| 28200200    | FILTER FABRIC  | SQ YD | 101            | 101                                  |
| 30300112    | AGGREGATE SUBGRADE IMPROVEMENT 12"                       | SQ YD | 8,886          | 8,886                                |
| 40600275    | BITUMINOUS MATERIALS (PRIME COAT)                        | POUND | 18,361         | 18,361                               |
| 40600290    | BITUMINOUS MATERIALS (TACK COAT)                         | POUND | 1,837          | 1,837                                |
| 40600295    | POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)             | POUND | 2,339          | 2,339                                |
| 40603085    | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70              | TON   | 2,329          | 2,329                                |
| 40603235    | POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70  | TON   | 728            | 728                                  |
| 40603310    | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50             | TON   | 332            | 332                                  |
| 40603540    | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 | TON   | 583            | 583                                  |

\* SPECIALTY ITEM

\*\* NON PARTICIPATING 100% STATE

|  |                                     |            |           |   |                              |                |           |        |                 |                           |
|--|-------------------------------------|------------|-----------|---|------------------------------|----------------|-----------|--------|-----------------|---------------------------|
| FILE NAME :  | USER NAME : anknayda                | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SUMMARY OF QUANTITIES</b> | F.A. I<br>RTE. | SECTION   | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO.              |
| g:\11\0848\BID\HTEG\Illinois.gov\PI00T\Documents\100T\Office\District 2\Projects\220\DRAWING\DATA\GAD\shasta\0202014\sh1-500.dgn |                                     |            |           |   |                              | 39             | 141-11M-4 | OGLE   | 82              | 6                         |
| Default  | PLOT SCALE : 100.0000' / in.        | CHECKED -  | REVISED - |   | SCALE:                       | SHEET          | OF        | SHEETS | STA.            | TO STA.                   |
|  | PLOT DATE : Jun-15-2016 02:13:45 PM | DATE -     | REVISED - |   |                              |                |           |        |                 |                           |
| CONTRACT NO. 64L03   |                                     |            |           |   |                              |                |           |        |                 | ILLINOIS FED. AID PROJECT |

# SUMMARY OF QUANTITIES

| CODE NUMBER | ITEM   | UNIT  | URBAN          | ROADWAY                              |
|-------------|--|-------|----------------|--------------------------------------|
|             |  |       | TOTAL QUANTITY | 90% FED<br>10% STATE<br>HSIP<br>0021 |
| 44000100    | PAVEMENT REMOVAL                                 | SQ YD | 3,173          | 3,173                                |
| 44004250    | PAVED SHOULDER REMOVAL                           | SQ YD | 3,751          | 3,751                                |
| 48101200    | AGGREGATE SHOULDERS, TYPE B                      | TON   | 440            | 440                                  |
| 48203021    | HOT-MIX ASPHALT SHOULDERS, 6"                    | SQ YD | 2,963          | 2,963                                |
| 50800105    | REINFORCEMENT BARS                               | POUND | 271            | 271                                  |
| 54002020    | EXPANSION BOLTS 3/4 INCH                         | EACH  | 26             | 26                                   |
| 54248510    | CONCRETE COLLAR                                  | CU YD | 6.1            | 6.1                                  |
| 54260311    | TRAVERSABLE PIPE GRATE                           | FOOT  | 181            | 181                                  |
| 54261618    | CONCRETE END SECTIONS, STANDARD 542001, 18", 1:6 | EACH  | 1              | 1                                    |
| 54261630    | CONCRETE END SECTIONS, STANDARD 542001, 30", 1:6 | EACH  | 2              | 2                                    |
| 54261636    | CONCRETE END SECTIONS, STANDARD 542001, 36", 1:6 | EACH  | 2              | 2                                    |
| 54263648    | CONCRETE END SECTIONS, STANDARD 542011, 48", 1:6 | EACH  | 1              | 1                                    |
| 542A0235    | PIPE CULVERTS, CLASS A, TYPE 1 30"               | FOOT  | 48             | 48                                   |

\* SPECIALTY ITEM

\*\* NON PARTICIPATING 100% STATE

|  |   |            |           |   |                              |                    |           |                           |                 |              |
|--|---|------------|-----------|---|------------------------------|--------------------|-----------|---------------------------|-----------------|--------------|
| FILE NAME *                            | USER NAME * acknaye   | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SUMMARY OF QUANTITIES</b> | F.A. I<br>RTE.     | SECTION   | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |
| pm\IL084E010\TEG\illinois.gov\PI001\Do | uments\DOT Offices\District 2\Projects\2015\DR\CD\2015\640\sheet\0282614-shi-500.dg | CHECKED -  | REVISED - |   |                              | 39                 | 141-11M-4 | OGLE                      | 82              | 7            |
| Default                                | PLOT SCALE * 100.0000' / in   | DATE -     | REVISED - |   |                              | CONTRACT NO. 64L03 |           | ILLINOIS FED. AID PROJECT |                 |              |

SCALE: SHEET OF SHEETS STA. TO STA.

# SUMMARY OF QUANTITIES

| CODE NUMBER | ITEM   | UNIT   | URBAN          | ROADWAY                              |
|-------------|--|--------|----------------|--------------------------------------|
|             |  |        | TOTAL QUANTITY | 90% FED<br>10% STATE<br>HSIP<br>0021 |
| 542A0241    | PIPE CULVERTS, CLASS A, TYPE 1 36"                       | FOOT   | 16             | 16                                   |
| 542A1063    | PIPE CULVERTS, CLASS A, TYPE 2 18"                       | FOOT   | 13             | 13                                   |
| 542A5503    | PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 48" | FOOT   | 8              | 8                                    |
| 60100060    | CONCRETE HEADWALLS FOR PIPE DRAINS                       | EACH   | 12             | 12                                   |
| 60108100    | PIPE UNDERDRAINS 4" (SPECIAL)                            | FOOT   | 288            | 288                                  |
| 60108204    | PIPE UNDERDRAINS, TYPE 2, 4"                             | FOOT   | 4,480          | 4,480                                |
| 63500105    | DELINEATORS  | EACH   | 67             | 67                                   |
| 64200116    | SHOULDER RUMBLE STRIPS, 16 INCH                          | FOOT   | 4,445          | 4,445                                |
| 66700305    | PERMANENT SURVEY MARKERS, TYPE II                        | EACH   | 1              | 1                                    |
| 67000400    | ENGINEER'S FIELD OFFICE, TYPE A                          | CAL MO | 5              | 5                                    |
| 67100100    | MOBILIZATION   | L SUM  | 1              | 1                                    |
| 70100420    | TRAFFIC CONTROL AND PROTECTION, STANDARD 701411          | EACH   | 2              | 2                                    |
| 70100800    | TRAFFIC CONTROL AND PROTECTION, STANDARD 701401          | L SUM  | 1              | 1                                    |

\* SPECIALTY ITEM

\*\* NON PARTICIPATING 100% STATE

|  |   |            |           |   |                              |                           |          |                    |       |       |
|--|---|------------|-----------|---|------------------------------|---------------------------|----------|--------------------|-------|-------|
| FILE NAME :                              | USER NAME : anknyde                         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SUMMARY OF QUANTITIES</b> | F.A. I                    | SECTION  | COUNTY             | TOTAL | SHEET |
| pm\1\084EB\0\INTEG\Illinois.gov\F1007\Do | uments\IDOT Offices\District 2\Projects\220 | PREPARED   | REVISED   |   |                              | 39                        | 141-1M-4 | COLE               | 82    | 8     |
| Defaults                                 | PLOT SCALE * 100.0000 / in                  | CHECKED -  | REVISED - |   |                              | SCALE:                    |          | SHEET OF SHEETS    |       | STA.  |
|  | PLOT DATE * Jun-15-2016 02:13:44 PM         | DATE -     | REVISED - |   |                              | ILLINOIS FED. AID PROJECT |          | CONTRACT NO. 64L03 |       |       |



# SUMMARY OF QUANTITIES

| CODE NUMBER | ITEM  | UNIT   | URBAN          | ROADWAY                              |
|-------------|---|--------|----------------|--------------------------------------|
|             |   |        | TOTAL QUANTITY | 90% FED<br>10% STATE<br>HSIP<br>0021 |
| 70100820    | TRAFFIC CONTROL AND PROTECTION, STANDARD 701451         | L SUM  | 1              | 1                                    |
| 70100825    | TRAFFIC CONTROL AND PROTECTION, STANDARD 701456         | L SUM  | 1              | 1                                    |
| 70103815    | TRAFFIC CONTROL SURVEILLANCE                            | CAL DA | 10             | 10                                   |
| 70106800    | CHANGEABLE MESSAGE SIGN                                 | CAL MO | 2              | 2                                    |
| 70300100    | SHORT TERM PAVEMENT MARKING                             | FOOT   | 264            | 264                                  |
| 70300150    | SHORT TERM PAVEMENT MARKING REMOVAL                     | SQ FT  | 88             | 88                                   |
| 70300520    | PAVEMENT MARKING TAPE, TYPE III 4"                      | FOOT   | 6,400          | 6,400                                |
| * 78008300  | POLYUREA PAVEMENT MARKING TYPE II - LETTERS AND SYMBOLS | SQ FT  | 83             | 83                                   |
| * 78008310  | POLYUREA PAVEMENT MARKING TYPE II - LINE 4"             | FOOT   | 2,116          | 2,116                                |
| * 78008330  | POLYUREA PAVEMENT MARKING TYPE II - LINE 6"             | FOOT   | 180            | 180                                  |
| * 78008345  | POLYUREA PAVEMENT MARKING TYPE II - LINE 10"            | FOOT   | 3,952          | 3,952                                |
| * 78008350  | POLYUREA PAVEMENT MARKING TYPE II - LINE 12"            | FOOT   | 255            | 255                                  |
| * 78100100  | RAISED REFLECTIVE PAVEMENT MARKER                       | EACH   | 130            | 130                                  |

\* SPECIALTY ITEM

\*\* NON PARTICIPATING 100% STATE

|  |  |            |           |   |                              |                 |          |        |                 |              |
|--|--|------------|-----------|---|------------------------------|-----------------|----------|--------|-----------------|--------------|
| FILE NAME :                                  | USER NAME : anknyde  | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SUMMARY OF QUANTITIES</b> | F.A. I<br>RTE.  | SECTION  | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| pm\1\084E010\TEG\Illinois.gov\PI007-0        | uments\DOT Office\District 2\Projects\2015\084E010\0202614-shl-500.dgn | CHECKED -  | REVISED - |   |                              | 39              | 041-1M-4 | OGLE   | 82              | 9            |
| Default                                      | PLOT DATE : Jun-15-2016 02:13:45 PM                                    | DATE -     | REVISED - |   | SCALE:                       | SHEET OF SHEETS |          | STA.   | TO STA.         |              |
| ILLINOIS FED. AID PROJECT CONTRACT NO. 64L03 |  |            |           |   |                              |                 |          |        |                 |              |



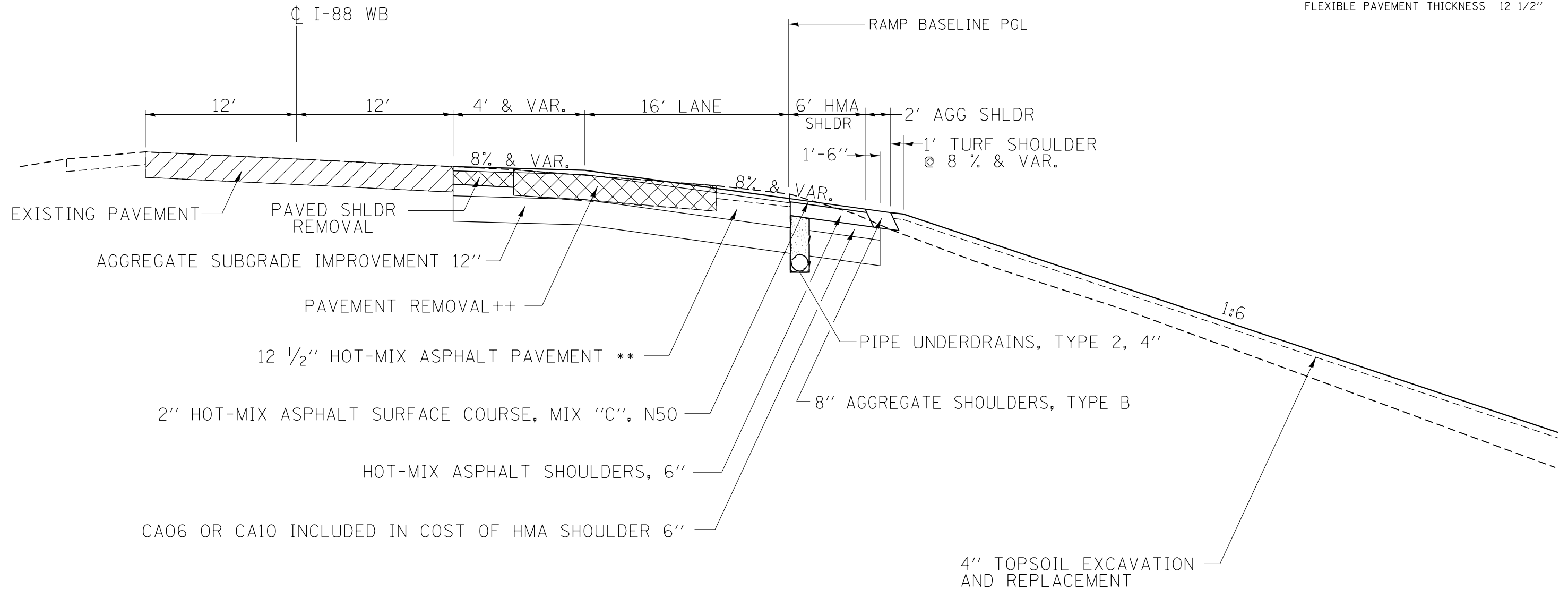




# TYPICAL SECTIONS

STA. 39+17.92 - STA. 43+96.23

STRUCTURAL DESIGN INFORMATION  
(FLEXIBLE PAVEMENT)  
STRUCTURAL DESIGN TRAFFIC: YEAR 2026  
PV= 2,200 SU= 180 MU= 1,170  
ROAD/STREET CLASSIFICATION: CLASS I  
PERCENT OF STRUCTURAL DESIGN TRAFFIC  
IN DESIGN LANE:  
P = 100% S = 100% M = 100%  
TRAFFIC FACTOR: TF = 11.78  
TRAFFIC FACTOR: MIN = 7.11  
SUB-GRADE SUPPORT RATING: POOR  
  
AC 20 AC MIXTURE TEMP 74.5F  
AC GRADE: SBS PG 70-28 (BINDER TOP LIFT)  
PG 64-22 (BINDER BOTTOM LIFT)  
SURFACE: SBS PG 70-28  
FLEXIBLE PAVEMENT THICKNESS 12 1/2"



++ PAVEMENT CORE

17.5" TOTAL THICKNESS (3.2" HMA, 10.3" PCC, 4.0" CAM)

HMA SHOULDERS 14" TOTAL THICKNESS

\*\* 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70

2 1/2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70

8" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2 LIFTS @ 4" EACH)

WEIGHT OF HMA MATERIAL  
112 LBS/IN/SQ YD

PAVEMENT REMOVAL

EXISTING PAVEMENT

|  |                                     |            |           |   |   |            |      |                           |         |        |              |           |
|--|-------------------------------------|------------|-----------|---|---|------------|------|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =  | USER NAME = ankneyde                | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>TYPICALS<br/>I-394-88 NORTHWEST RAMP</b> |            |      | F.A.I. RTÉ.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\2026\Drawings\Roadsheets\202614-sh-typical |                                     | CHECKED -  | REVISED - |   | 39  | (141-1)M-4 | OGLE | 82                        | 13      |        |              |           |
| Default  | PLOT SCALE = 100.0000' / 1"         | DATE -     | REVISED - |   | CONTRACT NO. 64L03                          |            |      | ILLINOIS FED. AID PROJECT |         |        |              |           |
|  | PLOT DATE = May-26-2016 01:56:30 PM |            |           |   | SCALE:                                      | SHEET      | OF   | SHEETS                    | STA.    | TO     | STA.         |           |

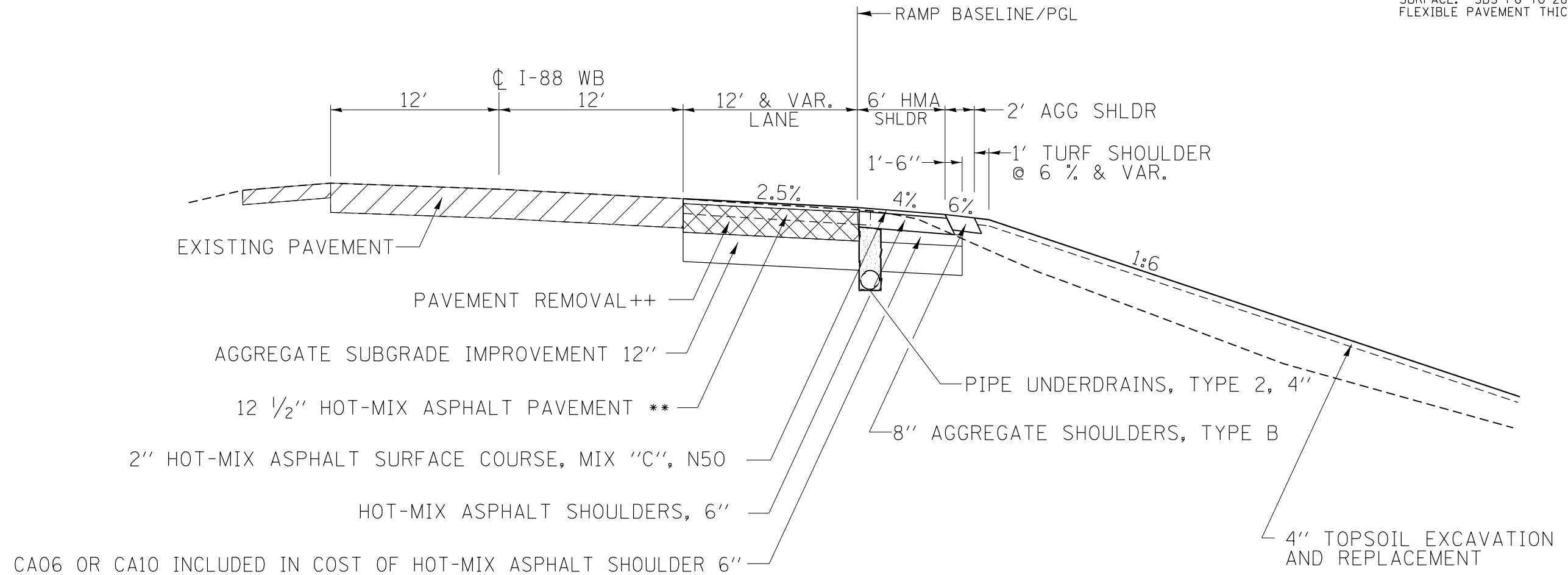
# TYPICAL SECTIONS

STRUCTURAL DESIGN INFORMATION  
(FLEXIBLE PAVEMENT)

STRUCTURAL DESIGN TRAFFIC: YEAR 2026  
 PV= 2,200 SU= 180 MU= 1,170  
 ROAD/STREET CLASSIFICATION: CLASS I  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC  
 IN DESIGN LANE:  
 P = 100% S = 100% M = 100%  
 TRAFFIC FACTOR: TF = 11.78  
 TRAFFIC FACTOR: MIN = 7.11  
 SUB-GRADE SUPPORT RATING: POOR

AC 20 AC MIXTURE TEMP 74.5F  
 AC GRADE: SBS PG 70-28 (BINDER TOP LIFT)  
 PG 64-22 (BINDER BOTTOM LIFT)  
 SURFACE: SBS PG 70-28  
 FLEXIBLE PAVEMENT THICKNESS 12 1/2"

STA. 43+96.23 - STA. 62+46.20



++ PAVEMENT CORE

17.5" TOTAL THICKNESS (3.2" HMA, 10.3" PCC, 4.0" CAM)

HMA SHOULDERS 14" TOTAL THICKNESS

\*\* 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70

2 1/2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70

8" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2 LIFTS @ 4" EACH)

WEIGHT OF HMA MATERIAL  
112 LBS/IN/SQ YD

PAVEMENT REMOVAL

EXISTING PAVEMENT

|   |                      |            |           |   |                                |       |    |             |            |        |              |                           |  |
|---|----------------------|------------|-----------|---|--------------------------------|-------|----|-------------|------------|--------|--------------|---------------------------|--|
| FILE NAME =   | USER NAME = ankneyde | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>TYPICALS</b>                |       |    | F.A.I. RTÉ. | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO.                 |  |
| pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\2026\Drawings\CADsheets\0202614-sh-typical |                      | CHECKED -  | REVISED - |   | <b>I-394-88 NORTHWEST RAMP</b> |       |    | 39          | (141-1)M-4 | OGLE   | 82           | 14                        |  |
| Default   |                      | DATE -     | REVISED - |   | SCALE:                         | SHEET | OF | SHEETS      | STA.       | TO     | STA.         | <b>CONTRACT NO. 64L03</b> |  |
|   |                      |            |           |   |                                |       |    |             |            |        |              | ILLINOIS FED. AID PROJECT |  |

# SCHEDULE OF QUANTITIES

## 25000210 SEEDING, CLASS 2A

| ACRE                              | LOCATION                     |
|-----------------------------------|------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                              |
| 0.75                              | Sta 29 + 17.1 - 39 + 17.9 LT |
| 3.25                              | Sta 29 + 17.1 - 62 + 46.2 RT |
| <b>4.00</b>                       | <b>TOTAL</b>                 |

## 25000310 SEEDING, CLASS 4

| ACRE                              | LOCATION                     |
|-----------------------------------|------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                              |
| 0.50                              | Sta 29 + 17.1 - 39 + 17.9 LT |
| 0.50                              | Sta 29 + 17.1 - 62 + 46.2 RT |
| <b>1.00</b>                       | <b>TOTAL</b>                 |

## 25000400 NITROGEN FERTILIZER NUTRIENT

| POUND                             | LOCATION                     |
|-----------------------------------|------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                              |
| 112.5                             | Sta 29 + 17.1 - 39 + 17.9 LT |
| 337.5                             | Sta 29 + 17.1 - 62 + 46.2 RT |
| <b>450.0</b>                      | <b>TOTAL</b>                 |

## 25000500 PHOSPHORUS FERTILIZER NUTRIENT

| POUND                             | LOCATION                     |
|-----------------------------------|------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                              |
| 112.5                             | Sta 29 + 17.1 - 39 + 17.9 LT |
| 337.5                             | Sta 29 + 17.1 - 62 + 46.2 RT |
| <b>450.0</b>                      | <b>TOTAL</b>                 |

## 25000600 POTASSIUM FERTILIZER NUTRIENT

| POUND                             | LOCATION                     |
|-----------------------------------|------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                              |
| 112.5                             | Sta 29 + 17.1 - 39 + 17.9 LT |
| 337.5                             | Sta 29 + 17.1 - 62 + 46.2 RT |
| <b>450.0</b>                      | <b>TOTAL</b>                 |

## 25000750 MOWING

| ACRE                              | LOCATION                  | (Mow only Class 2A Seeding) |
|-----------------------------------|---------------------------|-----------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                           |                             |
| 0.75                              | Sta 29 + 17.1 - 39 + 17.9 | LT                          |
| 3.25                              | Sta 29 + 17.1 - 62 + 46.2 | RT                          |
| <b>4.00</b>                       | <b>TOTAL</b>              |                             |

## 25100125 MULCH, METHOD 3

| ACRE                              | LOCATION                     |
|-----------------------------------|------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                              |
| 1.00                              | Sta 29 + 17.1 - 39 + 17.9 LT |
| 3.25                              | Sta 29 + 17.1 - 62 + 46.2 RT |
| <b>4.25</b>                       | <b>TOTAL</b>                 |

## 25100630 EROSION CONTROL BLANKET

| SQ YD                             | LOCATION                      | (See Erosion Control Sheets)           |
|-----------------------------------|-------------------------------|--|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                               |  |
| 2,959.2                           | Sta 29 + 17.1 - 62 + 46.2     | RT - Shoulder (8' x 3,329.1')          |
| 889.8                             | Sta 29 + 17.1 - 39 + 17.9     | LT - Shoulder (8' x 1,001')            |
| 118.1                             | Sta 29 + 17.1 - 30 + 50       | LT - Ditch (8' x 132.9')               |
| 3.6                               | Sta 29 + 17.1                 | LT & RT - 4'x4' @ Underdrain Headwalls |
| 3.6                               | Sta 32 + 25                   | LT & RT - 4'x4' @ Underdrain Headwalls |
| 3.6                               | Sta 37 + 25                   | LT & RT - 4'x4' @ Underdrain Headwalls |
| 1.8                               | Sta 45 + 00                   | RT - 4'x4' @ Underdrain Headwall       |
| 1.8                               | Sta 50 + 00                   | RT - 4'x4' @ Underdrain Headwall       |
| 1.8                               | Sta 53 + 00                   | RT - 4'x4' @ Underdrain Headwall       |
| 1.8                               | Sta 57 + 00                   | RT - 4'x4' @ Underdrain Headwall       |
| 1.8                               | Sta 62 + 00                   | RT - 4'x4' @ Underdrain Headwall       |
| <b>I-88</b>                       |                               |  |
| 207.5                             | Sta 4146 + 39.8 - 4148 + 73.2 | LT - Shoulder (8' x 233.4')            |
| 1.8                               | Sta 4147 + 51.1               | LT - 4'x4' @ Underdrain Headwall       |
| <b>4,196.2</b>                    | <b>TOTAL</b>                  |  |

## 25100900 TURF REINFORCEMENT MAT

| SQ YD                             | LOCATION              | (See Erosion Control Sheets) |
|-----------------------------------|-----------------------|------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                       |                              |
| 13.3                              | Sta 31 + 02.1 - 61.1' | LT - (12' x 10')             |
| <b>13.3</b>                       | <b>TOTAL</b>          |                              |

## 28000250 TEMPORARY EROSION CONTROL SEEDING

| POUND                             | LOCATION                  | (4 Applications @ 100 Lbs/Acre) |
|-----------------------------------|---------------------------|---------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                           |                                 |
| 500                               | Sta 29 + 17.1 - 39 + 16.1 | LT                              |
| 1,500                             | Sta 29 + 17.1 - 62 + 46.2 | RT                              |
| <b>2,000</b>                      | <b>TOTAL</b>              |                                 |





# SCHEDULE OF QUANTITIES

## 28200200 FILTER FABRIC

| <u>SQ YD</u>                      | <u>LOCATION</u> | (See Dist. Std. 19.4 and Erosion Control Sheets) |  |
|-----------------------------------|-----------------|--|--|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                 |  |  |
| 19.4                              | Sta 31 + 02.1   | 42.0' RT - ((25'+10')/2 x 10')                   |  |
| 27.5                              | Sta 37 + 34.7   | 47.0' RT - ((24'+9')/2 x 15')                    |  |
| 26.4                              | Sta 50 + 48.4   | 45.3' RT - ((22'+12')/2 x 14')                   |  |
| 11.6                              | Sta 53 + 54     | 44.1' RT - ((18'+8')/2 x 8')                     |  |
| 15.6                              | Sta 58 + 03.1   | 47.9' RT - ((19'+9')/2 x 10')                    |  |
| <b>100.5</b>                      | <b>TOTAL</b>    |  |  |

## 30300112 AGGREGATE SUBGRADE IMPROVEMENT 12"

| <u>SQ YD</u>                      | <u>LOCATION</u>               |                                   |  |
|-----------------------------------|-------------------------------|-----------------------------------|--|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                               |                                   |  |
| 2,463.4                           | Sta 29 + 17.1 - 42 + 96.2     | Ramp (W=16')                      |  |
| 619.5                             | Sta 29 + 17.1 - 39 + 17.9     | LT Shoulder (W=5.5')              |  |
| 419.8                             | Sta 39 + 17.9 - 42 + 96.2     | Gore Area (W= 25' to 4')          |  |
| 1,114.3                           | Sta 29 + 17.1 - 42 + 96.2     | RT Shoulder (W=7.5')              |  |
| 2,441.6                           | Sta 42 + 96.2 - 62 + 46.2     | Merge Lane & Taper (W= 20' to 1') |  |
| 1,669.3                           | Sta 42 + 96.2 - 62 + 46.2     | RT Shoulder (W= 7.5' to 11.5')    |  |
| <b>I-88</b>                       |                               |                                   |  |
| 157.3                             | Sta 4146 + 37.8 - 4147 + 51.1 | LT - Shoulder (W=12.5')           |  |
| <b>8,885.2</b>                    | <b>TOTAL</b>                  |                                   |  |

## 44000100 PAVEMENT REMOVAL

| <u>SQ YD</u>                      | <u>LOCATION</u>           | (See Removal Sheets) |  |
|-----------------------------------|---------------------------|----------------------|--|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                           |                      |  |
| 2,238.0                           | Sta 29 + 17.1 - 41 + 23.9 |                      |  |
| 934.4                             | Sta 41 + 23.9 - 50 + 31   |                      |  |
| <b>3,172.4</b>                    | <b>TOTAL</b>              |                      |  |

## 44004250 PAVED SHOULDER REMOVAL

| <u>SQ YD</u>                      | <u>LOCATION</u>               | (See Removal Sheets)    |  |
|-----------------------------------|-------------------------------|-------------------------|--|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                               |                         |  |
| 1,401.4                           | Sta 29 + 17.1 - 48 + 30.5     | RT - 6' Shoulder        |  |
| 1,769.8                           | Sta 48 + 30.5 - 62 + 46.2     | RT - 10' & Var Shoulder |  |
| 371.6                             | Sta 29 + 17.1 - 38 + 13.1     | LT - 4' Shoulder        |  |
| 207.4                             | Sta 38 + 13.1 - 41 + 23.9     | LT - Gore Area          |  |
| <b>I-88</b>                       |                               |                         |  |
|                                   | Sta 4146 + 37.8 - 4147 + 51.1 | LT - 2' Shoulder        |  |
| <b>3,750.2</b>                    | <b>TOTAL</b>                  |                         |  |

## 48101200 AGGREGATE SHOULDERS, TYPE B

| <u>TON</u>                        | <u>LOCATION</u>               | (Thickness = 8") |  |
|-----------------------------------|-------------------------------|------------------|--|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                               |                  |  |
| 172.3                             | Sta 29 + 17.1 - 46 + 96       | RT - 2' Shoulder |  |
| 135.3                             | Sta 46 + 96 - 60 + 46.1       | RT - 2' Shoulder |  |
| 20.1                              | Sta 60 + 46.1 - 62 + 46.2     | RT - 2' Shoulder |  |
| 100.3                             | Sta 29 + 17.1 - 39 + 17.9     | LT - 2' Shoulder |  |
| <b>I-88</b>                       |                               |                  |  |
| 11.4                              | Sta 4146 + 37.8 - 4147 + 51.1 | LT - 2' Shoulder |  |
| <b>439.4</b>                      | <b>TOTAL</b>                  |                  |  |

## 50800105 REINFORCEMENT BARS

| <u>POUND</u>                      | <u>LOCATION</u> | (See Dist Std 33.1 - Concrete Collar) |  |
|-----------------------------------|-----------------|---------------------------------------|--|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                 |                                       |  |
| 48.54                             | Sta 31 + 02.1   | LT                                    |  |
| 48.54                             | Sta 31 + 02.1   | RT                                    |  |
| 41.64                             | Sta 37 + 34.7   | RT                                    |  |
| 59.23                             | Sta 50 + 48.4   | RT                                    |  |
| 31.39                             | Sta 53 + 54     | RT                                    |  |
| 41.64                             | Sta 58 + 03.1   | RT                                    |  |
| <b>270.98</b>                     | <b>TOTAL</b>    |                                       |  |

## 54002020 EXPANSION BOLTS 3/4 INCH

| <u>EACH</u>                       | <u>LOCATION</u> | (See Dist Std 33.1 - Concrete Collar) |  |
|-----------------------------------|-----------------|---------------------------------------|--|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                 |                                       |  |
| 4                                 | Sta 31 + 02.1   | LT                                    |  |
| 4                                 | Sta 31 + 02.1   | RT                                    |  |
| 4                                 | Sta 37 + 34.7   | RT                                    |  |
| 8                                 | Sta 50 + 48.4   | RT                                    |  |
| 2                                 | Sta 53 + 54     | RT                                    |  |
| 4                                 | Sta 58 + 03.1   | RT                                    |  |
| <b>26</b>                         | <b>TOTAL</b>    |                                       |  |

## 54248510 CONCRETE COLLAR

| <u>CU YD</u>                      | <u>LOCATION</u> | (See Dist Std 33.1 - Concrete Collar) |  |
|-----------------------------------|-----------------|---------------------------------------|--|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                 |                                       |  |
| 1.1                               | Sta 31 + 02.1   | LT                                    |  |
| 1.1                               | Sta 31 + 02.1   | RT                                    |  |
| 0.9                               | Sta 37 + 34.7   | RT                                    |  |
| 1.5                               | Sta 50 + 48.4   | RT                                    |  |
| 0.6                               | Sta 53 + 54     | RT                                    |  |
| 0.9                               | Sta 58 + 03.1   | RT                                    |  |
| <b>6.1</b>                        | <b>TOTAL</b>    |                                       |  |



# SCHEDULE OF QUANTITIES

## 60108204 PIPE UNDERDRAINS, TYPE 2, 4"

| FOOT                              | LOCATION     | (See Highway Standard 601001) |             |    |
|-----------------------------------|--------------|-------------------------------|-------------|----|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |              |                               |             |    |
| 1,036                             | Sta          | 29 + 17.1 -                   | 39 + 52.8   | LT |
| 3,330                             | Sta          | 29 + 17.1 -                   | 62 + 46.2   | RT |
| <b>I-88</b>                       |              |                               |             |    |
| 114                               | Sta          | 4146 + 37.8 -                 | 4147 + 51.1 | LT |
| <b>4,480</b>                      | <b>TOTAL</b> |                               |             |    |

## 63500105 DELINEATORS

| EACH                              | LOCATION   | (See Highway Standard 635001) |           |                                 |
|-----------------------------------|--|-------------------------------|-----------|---------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |  |                               |           |                                 |
| 6                                 | Sta  | 29 + 17.1 -                   | 31 + 07.1 | LT & RT - 100' Spacing (Single) |
| 9                                 | Sta  | 31 + 07.1 -                   | 38 + 50   | LT - 90' Spacing (Single)       |
| 11                                | Sta  | 31 + 07.1 -                   | 40 + 96.3 | RT - 90' Spacing (Single)       |
| 16                                | Sta  | 40 + 96.3 -                   | 56 + 96.1 | RT - 100' Spacing (Double)      |
| 6                                 | Sta  | 56 + 96.1 -                   | 62 + 46.2 | RT - 100' Spacing (Double)      |
| 2                                 | Sta  | 30 + 01                       |           | LT & RT - Culvert               |
| 1                                 | Sta  | 37 + 34                       |           | RT - Culvert                    |
| 1                                 | Sta  | 50 + 49                       |           | RT - Culvert                    |
| 1                                 | Sta  | 53 + 54                       |           | RT - Culvert                    |
| 1                                 | Sta  | 58 + 02                       |           | RT - Culvert                    |
| 12                                | As Directed by the Resident (for Concrete Headwalls for Pipe Drains) |                               |           |                                 |
| <b>I-88</b>                       |  |                               |           |                                 |
| 1                                 | Sta  | 4147 + 51.1                   |           | LT                              |
| <b>67</b>                         | <b>TOTAL</b>   |                               |           |                                 |

## 64200116 SHOULDER RUMBLE STRIPS, 16 INCH

| FOOT                              | LOCATION     | (See Highway Standard 642001) |             |    |
|-----------------------------------|--------------|-------------------------------|-------------|----|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |              |                               |             |    |
| 3,330                             | Sta          | 29 + 17.1 -                   | 62 + 46.2   | RT |
| 1,001                             | Sta          | 29 + 17.1 -                   | 39 + 17.9   | LT |
| <b>I-88</b>                       |              |                               |             |    |
| 114                               | Sta          | 4146 + 37.8 -                 | 4147 + 51.1 | LT |
| <b>4,445</b>                      | <b>TOTAL</b> |                               |             |    |

## 66700305 PERMANENT SURVEY MARKER, TYPE II

| EACH                              | LOCATION   | (See Tollway Standard E2-05 & Detail in Plans) |  |  |
|-----------------------------------|--|--|--|--|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |  |  |  |  |
| 1                                 | As Directed by the Resident and Chief of Surveys (Gore Area roughly Sta. 38+00 LT) |  |  |  |
| <b>1</b>                          | <b>TOTAL</b>   |  |  |  |

## 70106800 CHANGEABLE MESSAGE SIGN

| CAL MO                            | LOCATION   | (See Maintenance of Traffic Provision) |  |  |
|-----------------------------------|--|--|--|--|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |  |  |  |  |
| 2                                 | As Directed by the Resident (To Be Place on I-39 SB) |  |  |  |
| <b>2</b>                          | <b>TOTAL</b>   |  |  |  |

## 70300100 SHORT TERM PAVEMENT MARKING

| FOOT                              | LOCATION            |               |             |                                  |
|-----------------------------------|---------------------|---------------|-------------|----------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                     |               |             |                                  |
| 136                               | Sta                 | 29 + 17.1 -   | 62 + 46.2   | White<br>Shoulder Diagonal - RT  |
| 36                                | Sta                 | 39 + 17.9 -   | 42 + 96.2   | EOP - LT                         |
| <b>I-88</b>                       |                     |               |             |                                  |
| 40                                | Sta                 | 4142 + 57.4 - | 4146 + 37.8 | EOP - LT                         |
| 8                                 | Sta                 | 4146 + 37.8 - | 4147 + 51.1 | Shoulder Diagonal - LT           |
| <b>220</b>                        | <b>White Total</b>  |               |             |                                  |
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                     |               |             |                                  |
| 44                                | Sta                 | 29 + 17.1 -   | 39 + 17.9   | Yellow<br>Shoulder Diagonal - LT |
| <b>44</b>                         | <b>Yellow Total</b> |               |             |                                  |
| <b>264</b>                        | <b>TOTAL</b>        |               |             |                                  |

## 70300150 SHORT TERM PAVEMENT MARKING REMOVAL

| SQ FT                             | LOCATION   |               |             |                                  |
|-----------------------------------|--|---------------|-------------|----------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |  |               |             |                                  |
| 45.3                              | Sta  | 29 + 17.1 -   | 62 + 46.2   | White<br>Shoulder Diagonal - RT  |
| 12.0                              | Sta  | 39 + 17.9 -   | 42 + 96.2   | EOP - LT                         |
| <b>I-88</b>                       |  |               |             |                                  |
| 13.3                              | Sta  | 4142 + 57.4 - | 4146 + 37.8 | EOP - LT                         |
| 2.7                               | Sta  | 4146 + 37.8 - | 4147 + 51.1 | Shoulder Diagonal - LT           |
| <b>73.3</b>                       | <b>White Total</b>   |               |             |                                  |
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |  |               |             |                                  |
| 14.7                              | Sta  | 29 + 17.1 -   | 39 + 17.9   | Yellow<br>Shoulder Diagonal - LT |
| <b>14.7</b>                       | <b>Yellow Total</b>  |               |             |                                  |
| 2,133.3                           | As Directed by the Resident (Removal of Pavement Marking Tape, Type III) |               |             |                                  |
| <b>2,133.3</b>                    | <b>TOTAL</b>   |               |             |                                  |

## 70300520 PAVEMENT MARKING TAPE, TYPE III 4"

| FOOT                              | LOCATION  | (See Tollway Standard E2-05 & Detail in Plans) |  |  |
|-----------------------------------|---|--|--|--|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |   |  |  |  |
| 6,400                             | As Needed & Directed by the Resident (I-88 WB Lane Closure) |  |  |  |
| <b>6,400</b>                      | <b>TOTAL</b>  |  |  |  |

## 78008300 POLYUREA PAVEMENT MARKING TYPE II - LETTERS AND SYMBOLS

| SQ FT                             | LOCATION     | (See Pavement Marking Sheets & Tollway Standards D6-05 & D8-01) |  |                          |
|-----------------------------------|--------------|---|--|--------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |              |   |  |                          |
| 41.5                              | Sta          | 50 + 40   |  | White<br>Lane Drop Arrow |
| 41.5                              | Sta          | 53 + 73   |  | Lane Drop Arrow          |
| <b>83.0</b>                       | <b>TOTAL</b> |   |  |                          |



# SCHEDULE OF QUANTITIES

## X5010523 REMOVE CONCRETE END SECTION

| EACH                              | LOCATION      |   |  |
|-----------------------------------|---------------|---|--|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |               |   |  |
| 1                                 | Sta 37 + 34.7 | 6' LT - (20' Pipe Grated Concrete End Section for 30" RCP)      |  |
| 1                                 | Sta 50 + 48.4 | 18' RT - (20' Pipe Grated Concrete End Section for 48" Eq. RCP) |  |
| 1                                 | Sta 58 + 03.1 | 22' RT - (10' Grated Concrete End Section for 30" RCP)          |  |
| <b>3</b>                          | <b>TOTAL</b>  |   |  |

## X7830078 GROOVING FOR RECESSED PAVEMENT MARKING 13"

| FOOT                              | LOCATION                  | (See Pavement Marking Sheets)  |
|-----------------------------------|---------------------------|--------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                           |                                |
| 255                               | Sta 39 + 22.0 - 44 + 62.9 | <b>White</b><br>Gore Diagonals |
| <b>255</b>                        | <b>TOTAL</b>              |                                |

## X7830060 GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS

| SQ FT                             | LOCATION     | (See Pavement Marking Sheets)   |
|-----------------------------------|--------------|---------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |              |                                 |
| 41.5                              | Sta 50 + 40  | <b>White</b><br>Lane Drop Arrow |
| 41.5                              | Sta 53 + 73  | Lane Drop Arrow                 |
| <b>83.0</b>                       | <b>TOTAL</b> |                                 |

## X7830070 GROOVING FOR RECESSED PAVEMENT MARKING 5"

| FOOT                              | LOCATION                      | (See Pavement Marking Sheets) |
|-----------------------------------|-------------------------------|-------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                               |                               |
| 1,001                             | Sta 29 + 17.1 - 39 + 17.9     | <b>White</b><br>RT - EOP      |
| <b>I-88</b>                       |                               |                               |
| 114                               | Sta 4146 + 37.8 - 4147 + 51.1 | LT - EOP                      |
| 1,115                             | <i>White Total</i>            |                               |
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                               |                               |
| 1,001                             | Sta 29 + 17.1 - 39 + 17.9     | <b>Yellow</b><br>LT - EOP     |
| 1,001                             | <i>Yellow Total</i>           |                               |
| <b>2,116</b>                      | <b>TOTAL</b>                  |                               |

## X7830074 GROOVING FOR RECESSED PAVEMENT MARKING 7"

| FOOT                              | LOCATION                  | (See Pavement Marking Sheets)             |
|-----------------------------------|---------------------------|---|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                           |   |
| 180                               | Sta 49 + 96.1 - 56 + 96.1 | <b>White</b><br>LT - Skip Dash Merge Lane |
| <b>180</b>                        | <b>TOTAL</b>              |   |

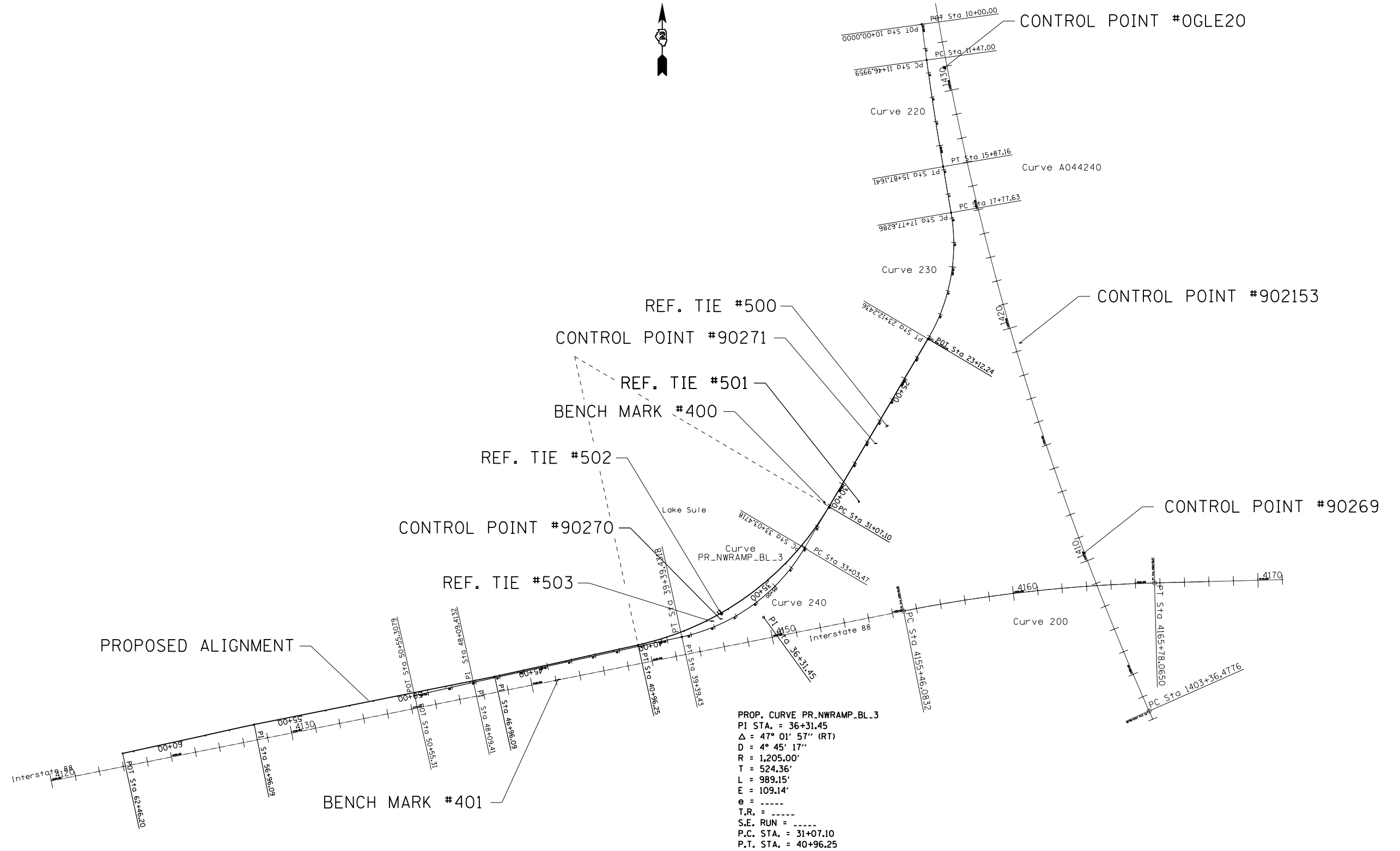
## X7830077 GROOVING FOR RECESSED PAVEMENT MARKING 11"

| FOOT                              | LOCATION                  | (See Pavement Marking Sheets)        |
|-----------------------------------|---------------------------|--------------------------------------|
| <b>I-39 (SB) / I-88 (WB) RAMP</b> |                           |                                      |
| 1,090                             | Sta 39 + 22.0 - 44 + 62.9 | <b>White</b><br>LT & RT - Gore Lines |
| 534                               | Sta 44 + 62.9 - 49 + 96.1 | LT - Lane Line                       |
| 2,328                             | Sta 39 + 17.9 - 62 + 46.2 | LT - EOP                             |
| <b>3,952</b>                      | <b>TOTAL</b>              |                                      |



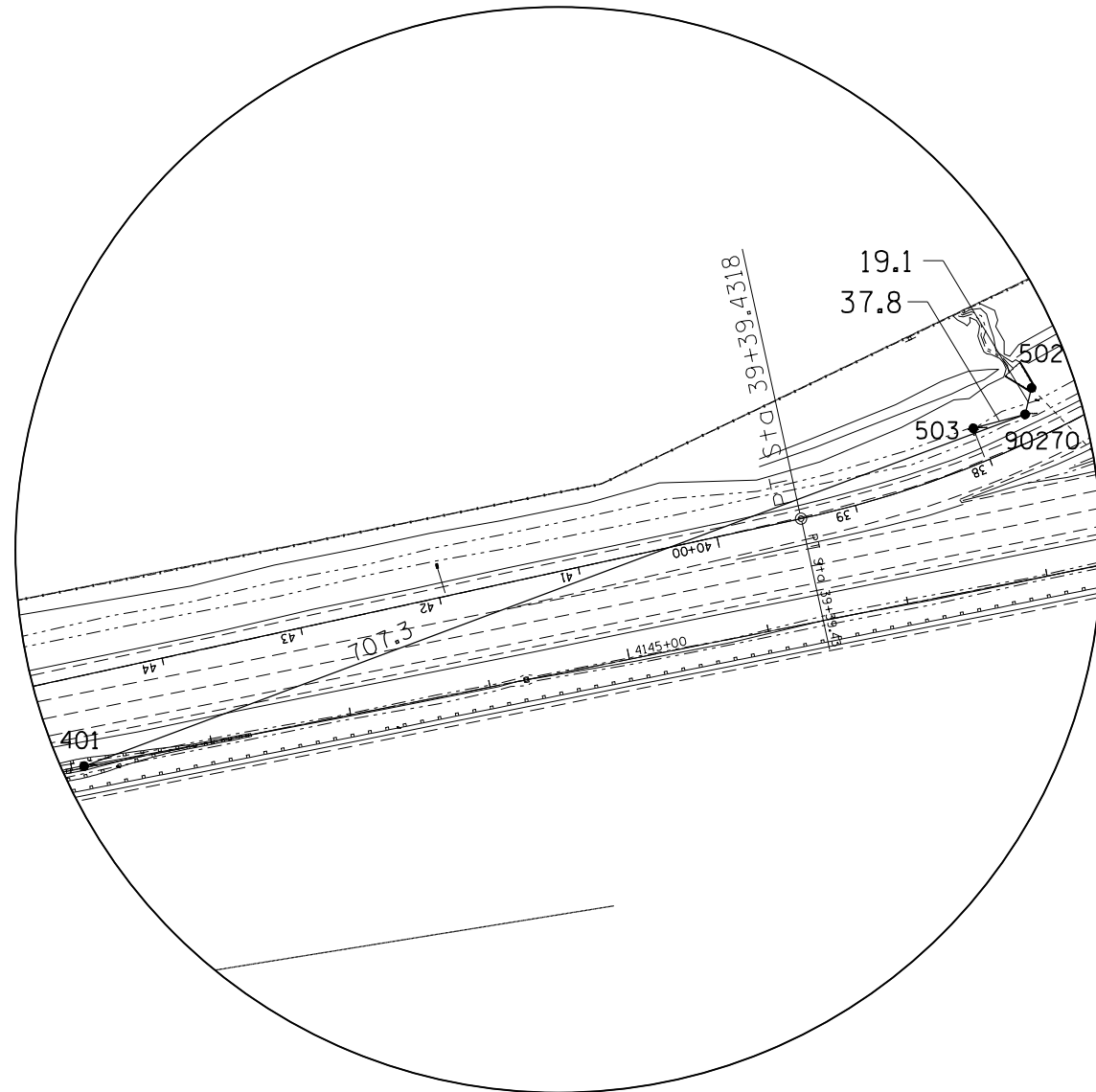


# HORIZONTAL & VERTICAL CONTROL

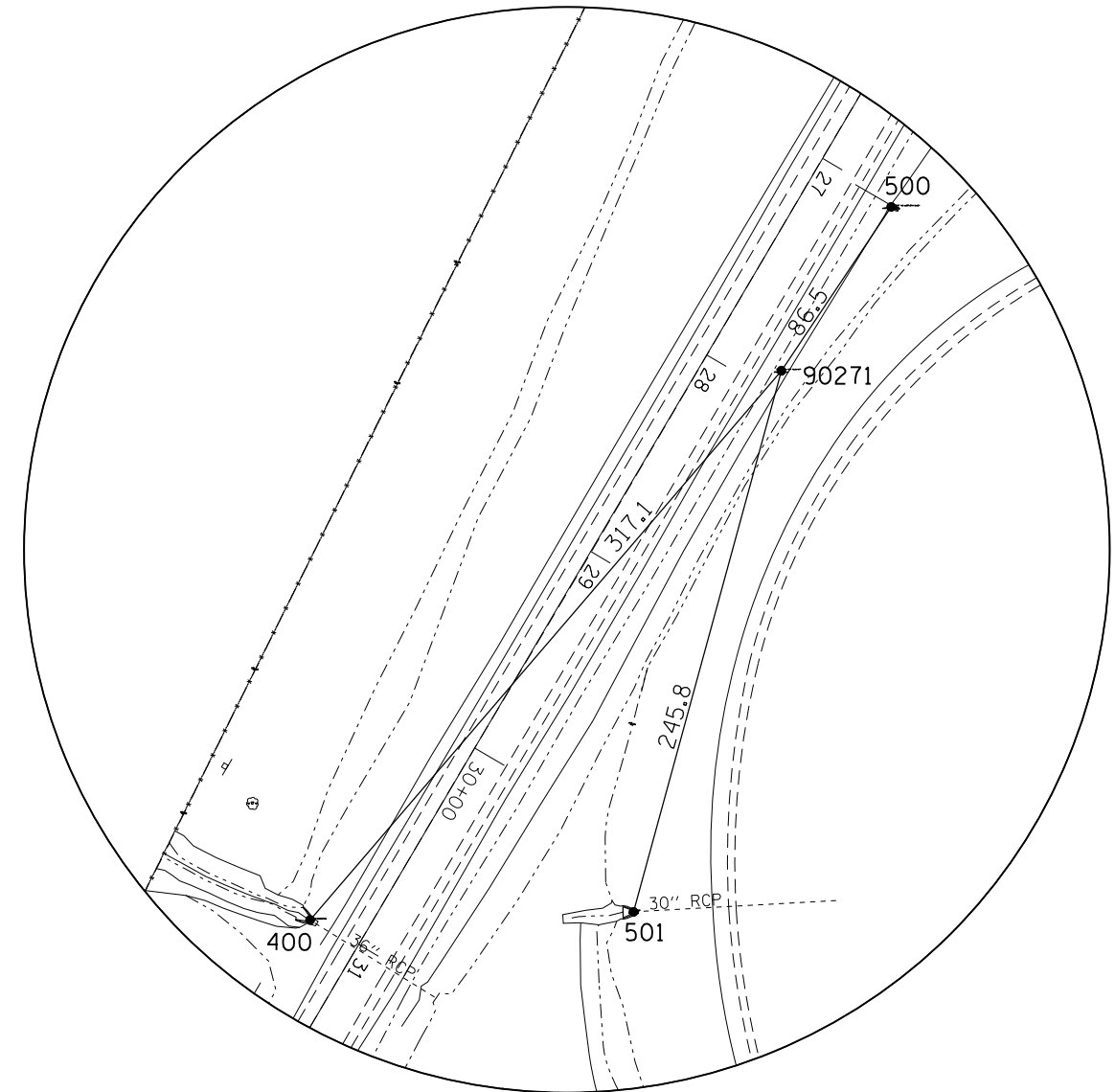




# HORIZONTAL & VERTICAL CONTROL



HORIZONTAL CONTROL  
POINT NO. 90270



HORIZONTAL CONTROL  
POINT NO. 90271

|  |                                     |            |           |
|--|-------------------------------------|------------|-----------|
| FILE NAME =  | USER NAME = ankneyde                | DESIGNED - | REVISED - |
| pw:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\2016\Drawings\AD\Drawings\0202614-sh-hvc.dgn |                                     | REVISOR -  | REVISED - |
| Default  | PLOT SCALE = 100.0000' / in.        | CHECKED -  | REVISED - |
|  | PLOT DATE = May-26-2016 03:17:50 PM | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HORIZONTAL & VERTICAL CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. I<br>RTE.            | SECTION    | COUNTY | TOTAL<br>SHEETS    | SHEET<br>NO. |
|---------------------------|------------|--------|--------------------|--------------|
| 39                        | (141-1)M-4 | OGLE   | 82                 | 25           |
| ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 64L03 |              |

# HORIZONTAL & VERTICAL CONTROL

Warning : Avoid the following name: I-88  
 Warning : Avoid characters like \* - [ or ] (chain will be stored).  
 Chain I-88 contains:  
 1116 CUR 200 1119

Beginning chain I-88 description  
 =====

Point 1116 N 1,908,441.5679 E 2,600,241.4114 Sta 4080+08.91  
 Course from 1116 to PC 200 78° 43' 47.9268" Dist 7,537.1766'

Curve Data  
 -----

Curve 200  
 P.I. Station 4160+63.33 N 1,910,015.6681 E 2,608,140.5215  
 Delta = 9° 46' 36.0572" (RT)  
 Degree = 0° 56' 50.5308"  
 Tangent = 517.2465'  
 Length = 1,031.9818'  
 Radius = 6,047.8798'  
 External = 22.0785'  
 Long Chord = 1,030.7303'  
 Mid. Ord. = 21.9982'  
 P.C. Station 4155+46.08 N 1,909,914.5811 E 2,607,633.2490  
 P.T. Station 4165+78.07 N 1,910,029.1479 E 2,608,657.5923  
 C.C. N 1,903,983.3222 E 2,608,815.2044

Course from PT 200 to 1119 88° 30' 23.9839" Dist 12,433.9350'

Point 1119 N 1,910,353.1851 E 2,621,087.3043 Sta 4290+12.00

=====  
 Ending chain I-88 description

Chain PR\_NWRAMP\_BL contains:  
 1979 CUR PR\_NWRAMP\_BL\_3 1980 1981 1982

Beginning chain PR\_NWRAMP\_BL description  
 Feature: Geom\_Pr\_Baseline  
 =====

Point 1979 N 1,911,025.0874 E 2,607,733.0215 Sta 23+12.24

Course from 1979 to PC PR\_NWRAMP\_BL\_3 210° 33' 05.0238" Dist 794.8529'

Curve Data  
 -----

Curve PR\_NWRAMP\_BL\_3  
 P.I. Station 36+31.45 N 1,909,889.0188 E 2,607,062.4526  
 Delta = 47° 01' 57.4845" (RT)  
 Degree = 4° 45' 17.4113"  
 Tangent = 524.3570'  
 Length = 989.1536'  
 Radius = 1,205.0000'  
 External = 109.1443'  
 Long Chord = 961.6146'  
 Mid. Ord. = 100.0795'  
 P.C. Station 31+07.10 N 1,910,340.5811 E 2,607,328.9890  
 P.T. Station 40+96.25 N 1,909,776.2780 E 2,606,550.3590  
 C.C. N 1,910,953.0960 E 2,606,291.2749

Course from PT PR\_NWRAMP\_BL\_3 to 1980 257° 35' 02.5084" Dist 599.8387'

Point 1980 N 1,909,647.3082 E 2,605,964.5491 Sta 46+96.09

Course from 1980 to 1981 258° 43' 47.9268" Dist 1,000.0000'

Point 1981 N 1,909,451.8752 E 2,604,983.8320 Sta 56+96.09

Course from 1981 to 1982 257° 35' 03.1806" Dist 550.1100'

Point 1982 N 1,909,333.5991 E 2,604,446.5874 Sta 62+46.20

=====  
 Ending chain PR\_NWRAMP\_BL description

Warning : Avoid the following name: I-39  
 Warning : Avoid characters like \* - [ or ] (chain will be stored).  
 Chain I-39 contains:  
 CUR A0441280 CUR A044230 CUR A044240 CUR A044250

Beginning chain I-39 description  
 =====

Curve Data  
 -----

Curve A0441280  
 P.I. Station 1146+59.93 N 1,884,378.7170 E 2,611,787.3140  
 Delta = 0° 17' 24.8599" (RT)  
 Degree = 0° 01' 44.4862"  
 Tangent = 500.0000'  
 Length = 999.9979'  
 Radius = 197,408.6362'  
 External = 0.6332'  
 Long Chord = 999.9968'  
 Mid. Ord. = 0.6332'  
 P.C. Station 1141+59.93 N 1,883,878.9158 E 2,611,801.4135  
 P.T. Station 1151+59.93 N 1,884,878.5832 E 2,611,775.7465  
 C.C. N 1,889,445.6268 E 2,809,131.5464

Course from PT A0441280 to PC A044230 358° 40' 27.6434" Dist 17,358.0759'

Curve Data  
 -----

Curve A044230  
 P.I. Station 1336+59.25 N 1,903,372.9524 E 2,611,347.7652  
 Delta = 22° 31' 48.0609" (LT)  
 Degree = 0° 59' 59.9987"  
 Tangent = 1,141.2446'  
 Length = 2,253.0025'  
 Radius = 5,729.5800'  
 External = 112.5537'  
 Long Chord = 2,238.5152'  
 Mid. Ord. = 110.3853'  
 P.C. Station 1325+18.01 N 1,902,232.0132 E 2,611,374.1679  
 P.T. Station 1347+71.01 N 1,904,416.6972 E 2,610,886.2069  
 C.C. N 1,902,099.4595 E 2,605,646.1214

Course from PT A044230 to PC A044240 336° 08' 39.5825" Dist 5,565.4684'

Curve Data  
 -----

Curve A044240  
 P.I. Station 1427+93.26 N 1,911,753.5868 E 2,607,641.7338  
 Delta = 22° 37' 51.7449" (RT)  
 Degree = 0° 27' 59.9955"  
 Tangent = 2,456.7853'  
 Length = 4,849.5216'  
 Radius = 12,277.7000'  
 External = 243.3907'  
 Long Chord = 4,818.0583'  
 Mid. Ord. = 238.6595'  
 P.C. Station 1403+36.48 N 1,909,506.6917 E 2,608,635.3416  
 P.T. Station 1451+86.00 N 1,914,209.8109 E 2,607,589.2268  
 C.C. N 1,914,472.2126 E 2,619,864.1224

Course from PT A044240 to PC A044250 358° 46' 31.3275" Dist 14,548.9351'

Curve Data  
 -----

Curve A044250  
 P.I. Station 1612+73.78 N 1,930,293.9205 E 2,607,245.3951  
 Delta = 12° 15' 49.6595" (RT)  
 Degree = 0° 24' 00.0045"  
 Tangent = 1,538.8491'  
 Length = 3,065.9390'  
 Radius = 14,323.9000'  
 External = 82.4239'  
 Long Chord = 3,060.0896'  
 Mid. Ord. = 81.9523'  
 P.C. Station 1597+34.93 N 1,928,755.4229 E 2,607,278.2838  
 P.T. Station 1628+00.87 N 1,931,804.2956 E 2,607,540.0538  
 C.C. N 1,929,061.5564 E 2,621,598.9120

=====  
 Ending chain I-39 description

Chain NWRAMP contains:  
 1120 CUR 220 CUR 230 CUR 240 1127 1128

Beginning chain NWRAMP description  
 =====

Point 1120 N 1,912,308.4734 E 2,607,707.7831 Sta 10+00.00

Course from 1120 to PC 220 172° 14' 13.0331" Dist 146.9959'

Curve Data  
 -----

Curve 220  
 P.I. Station 13+67.10 N 1,911,944.7345 E 2,607,757.3702  
 Delta = 2° 02' 36.4423" (LT)  
 Degree = 0° 27' 51.2799"  
 Tangent = 220.1074'  
 Length = 440.1682'  
 Radius = 12,341.7269'  
 External = 1.9626'  
 Long Chord = 440.1448'  
 Mid. Ord. = 1.9623'  
 P.C. Station 11+47.00 N 1,912,162.8247 E 2,607,727.6388  
 P.T. Station 15+87.16 N 1,911,727.8432 E 2,607,794.8591  
 C.C. N 1,913,829.9025 E 2,619,956.2558

Course from PT 220 to PC 230 170° 11' 36.5908" Dist 190.4646'

Curve Data  
 -----

Curve 230  
 P.I. Station 20+56.57 N 1,911,265.3004 E 2,607,874.8082  
 Delta = 40° 21' 28.4330" (RT)  
 Degree = 7° 32' 56.2757"  
 Tangent = 278.9368'  
 Length = 534.6150'  
 Radius = 758.9885'  
 External = 49.6334'  
 Long Chord = 523.6313'  
 Mid. Ord. = 46.5868'  
 P.C. Station 17+77.63 N 1,911,540.1616 E 2,607,827.2993  
 P.T. Station 23+12.24 N 1,911,025.0874 E 2,607,733.0215  
 C.C. N 1,911,410.8896 E 2,607,079.4007

Course from PT 230 to PC 240 210° 33' 05.0238" Dist 991.2282'

Curve Data  
 -----

Curve 240  
 P.I. Station 36+40.69 N 1,909,881.0672 E 2,607,057.7591  
 Delta = 47° 08' 01.3297" (RT)  
 Degree = 7° 24' 41.1334"  
 Tangent = 337.2151'  
 Length = 635.9600'  
 Radius = 773.0736'  
 External = 70.3461'  
 Long Chord = 618.1787'  
 Mid. Ord. = 64.4788'  
 P.C. Station 33+03.47 N 1,910,171.4679 E 2,607,229.1693  
 P.T. Station 39+39.43 N 1,909,809.1444 E 2,606,728.3033  
 C.C. N 1,910,564.4297 E 2,606,563.4187

Course from PT 240 to 1127 257° 41' 06.3535" Dist 869.9814'

Point 1127 N 1,909,623.5909 E 2,605,878.3401 Sta 48+09.41

Course from 1127 to 1128 257° 21' 43.9951" Dist 245.8948'

Point 1128 N 1,909,569.7924 E 2,605,638.4027 Sta 50+55.31

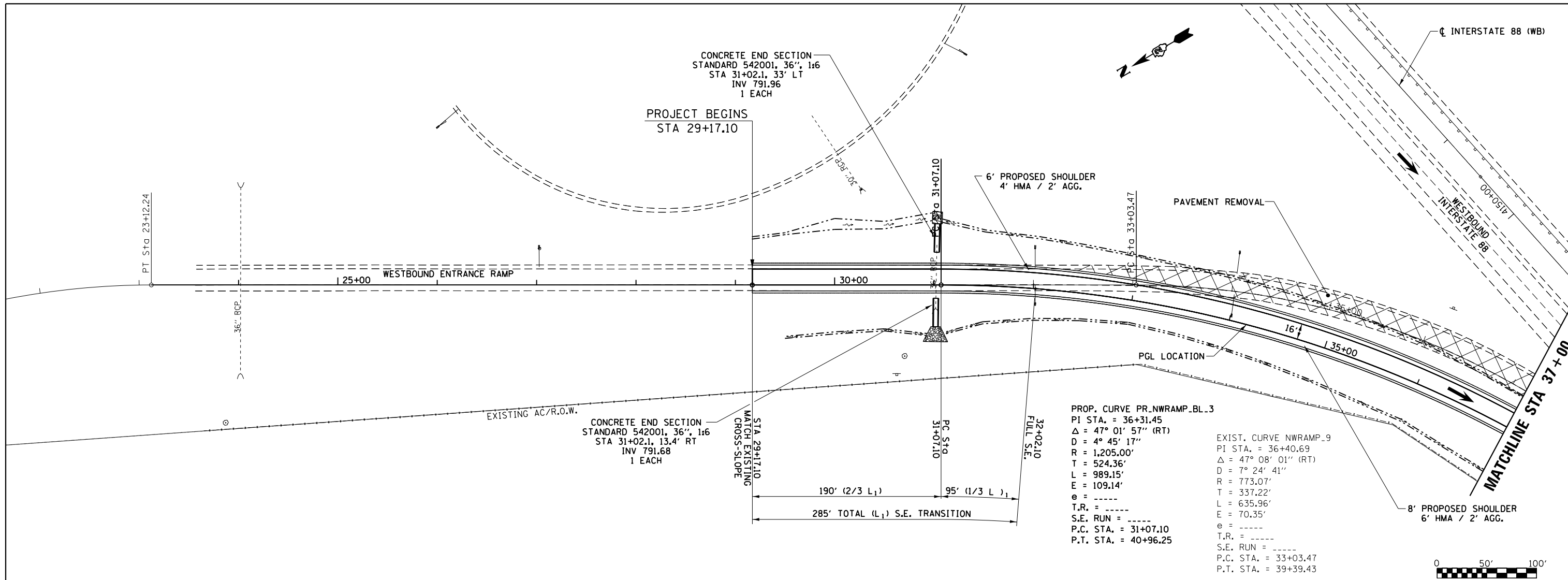
=====  
 Ending chain NWRAMP description

|  |                                     |            |           |   |                               |                    |            |                           |                 |              |    |
|--|-------------------------------------|------------|-----------|---|-------------------------------|--------------------|------------|---------------------------|-----------------|--------------|----|
| FILE NAME =  | USER NAME = ankneyde                | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | HORIZONTAL & VERTICAL CONTROL | F.A. I<br>RTE.     | SECTION    | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |    |
| p:\11\084EBIDINTEG\11\inois.gov\PIDOT\Documents\DOT Offices\District 2\Projects\P2020\DRAWINGData\EA0\sheets\0202614-sht-hvc.dgn | PLOT SCALE = 100.0000' / in.        | CHECKED -  | REVISED - |   |                               | 39                 | (141-1)M-4 | OGLE                      | 82              | 26           |    |
| Default  | PLOT DATE = May-26-2016 03:17:50 PM | DATE -     | REVISED - |   |                               | CONTRACT NO. 64L03 |            | ILLINOIS FED. AID PROJECT |                 |              |    |
|  |                                     |            |           |   |                               | SCALE:             | SHEET      | OF                        | SHEETS          | STA.         | TO |



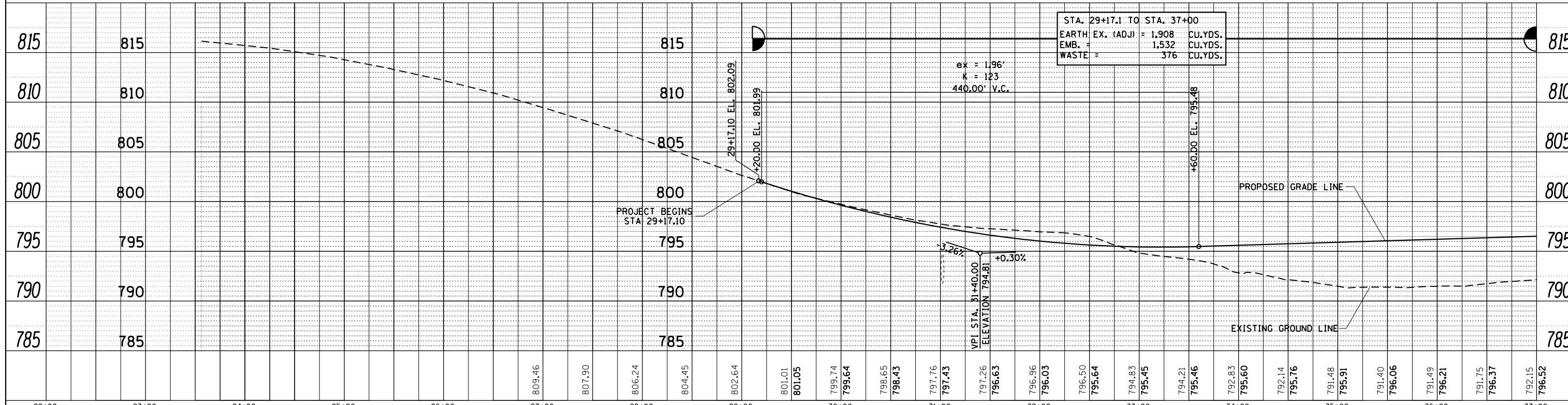
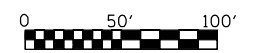
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|------|----------|---------|
| PLAN | SURVEYED | DATE    |
|      | PLOTTED  | BY      |
|      | ALIGNED  | CHECKED |
|      | FILED    | NO.     |
|      | NO.      |         |

|         |           |         |
|---------|-----------|---------|
| PROFILE | SURVEYED  | DATE    |
|         | PLOTTED   | BY      |
|         | GRADES    | CHECKED |
|         | STRUCTURE | NOTED   |
|         | NO.       |         |



**PROP. CURVE PR.NWRAMP.BL.3**  
 PI STA. = 36+31.45  
 $\Delta = 47^\circ 01' 57''$  (RT)  
 $D = 4^\circ 45' 17''$   
 $R = 1,205.00'$   
 $T = 524.36'$   
 $L = 989.15'$   
 $E = 109.14'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. \text{ RUN} = \text{---}$   
 $P.C. \text{ STA.} = 31+07.10$   
 $P.T. \text{ STA.} = 40+96.25$

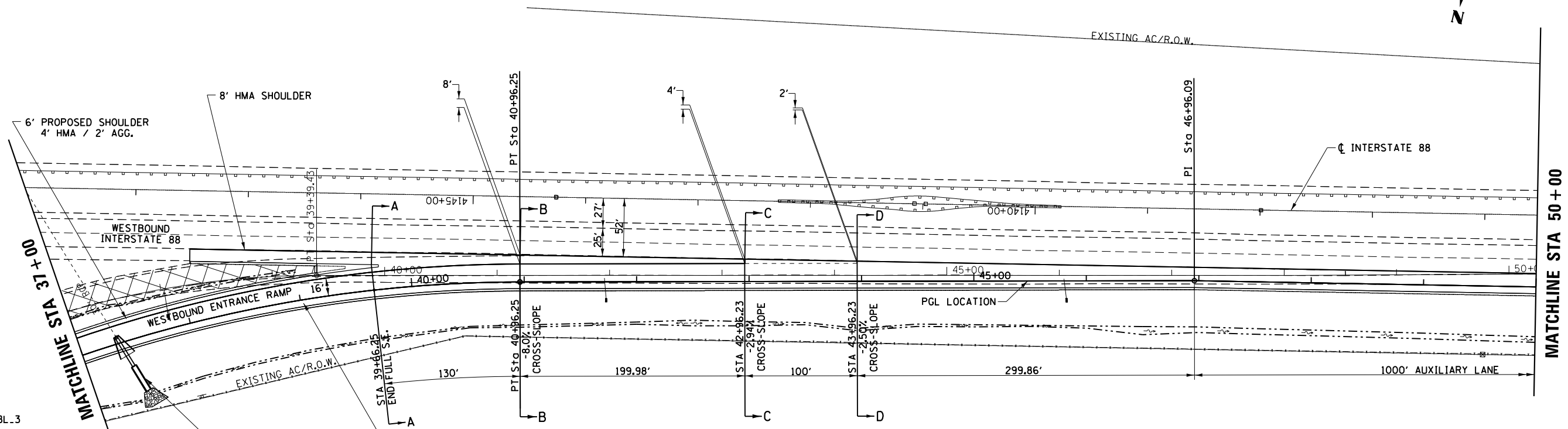
**EXIST. CURVE NWRAMP.9**  
 PI STA. = 36+40.69  
 $\Delta = 47^\circ 08' 01''$  (RT)  
 $D = 7^\circ 24' 41''$   
 $R = 773.07'$   
 $L = 337.22'$   
 $E = 635.96'$   
 $e = 70.35'$   
 $T.R. = \text{---}$   
 $S.E. \text{ RUN} = \text{---}$   
 $P.C. \text{ STA.} = 33+03.47$   
 $P.T. \text{ STA.} = 39+39.43$



|             |                                     |            |           |   |  |                           |           |        |              |           |  |
|-------------|-------------------------------------|------------|-----------|---|--|---------------------------|-----------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = ankneyde                | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>I-39(SB)/I-88(WB)</b><br><b>PROPOSED RAMP</b> | F.A.I. R.T.E.             | SECTION   | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| Default     | PLOT SCALE = 100.0000' / in.        | CHECKED -  | REVISED - |   |  | 39                        | (141-1)M4 | OGLE   | 82           | 28        |  |
|             | PLOT DATE = May-31-2016 07:57:24 AM | DATE -     | REVISED - |   |  | CONTRACT NO. 64L03        |           |        |              |           |  |
|             |                                     |            |           |   |  | ILLINOIS FED. AID PROJECT |           |        |              |           |  |

|      |          |    |      |
|------|----------|----|------|
| PLAN | SURVEYED | BY | DATE |
|      | PLOTTED  |    |      |
|      | ALIGNED  |    |      |
|      | CHECKED  |    |      |
|      | FILED    |    |      |
|      | NO.      |    |      |

|         |           |    |      |
|---------|-----------|----|------|
| PROFILE | SURVEYED  | BY | DATE |
|         | PLOTTED   |    |      |
|         | GRADES    |    |      |
|         | CHECKED   |    |      |
|         | STRUCTURE |    |      |
|         | NOTATIONS |    |      |
|         | CHKD      |    |      |
|         | NO.       |    |      |

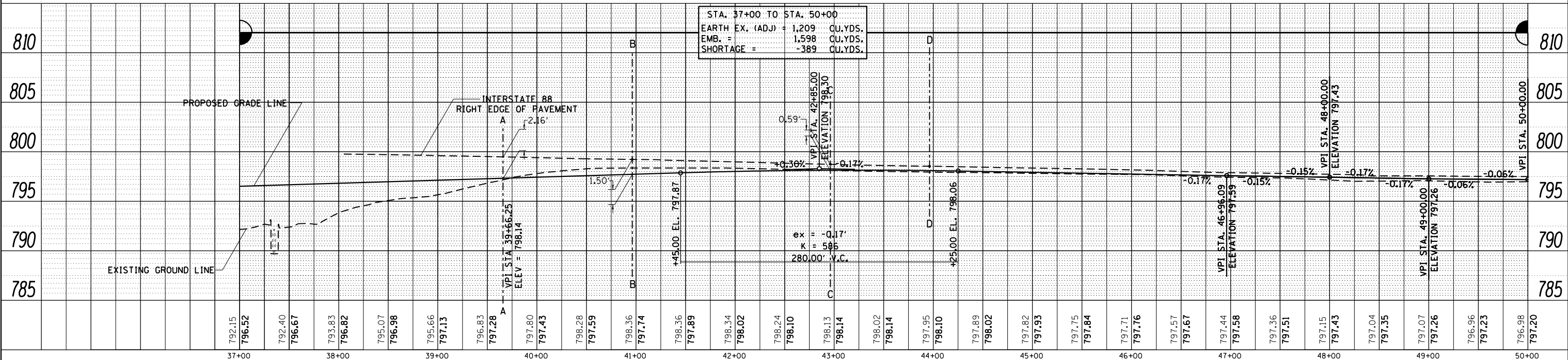


PROP. CURVE PR\_NWRAMP.BL\_3  
 PI STA. = 36+31.45  
 $\Delta = 47^\circ 01' 57''$  (RT)  
 $D = 4^\circ 45' 17''$   
 $R = 1,205.00'$   
 $T = 524.36'$   
 $L = 989.15'$   
 $E = 109.14'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. RUN = \text{---}$   
 $P.C. STA. = 31+07.10$   
 $P.T. STA. = 40+96.25$

EXIST. CURVE NWRAMP.9  
 PI STA. = 36+40.69  
 $\Delta = 47^\circ 08' 01''$  (RT)  
 $D = 7^\circ 24' 41''$   
 $R = 773.07'$   
 $T = 337.22'$   
 $L = 635.96'$   
 $E = 70.35'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. RUN = \text{---}$   
 $P.C. STA. = 33+03.47$   
 $P.T. STA. = 39+39.43$

CONCRETE END SECTION  
 STANDARD 542001, 30", 1:6  
 STA 37+34.7, 30.3' RT  
 INV 789.21  
 1 EACH

STA. 37+00 TO STA. 50+00  
 EARTH EX. (ADJ) = 1,209 CU.YDS.  
 EMB. = 1,598 CU.YDS.  
 SHORTAGE = -389 CU.YDS.

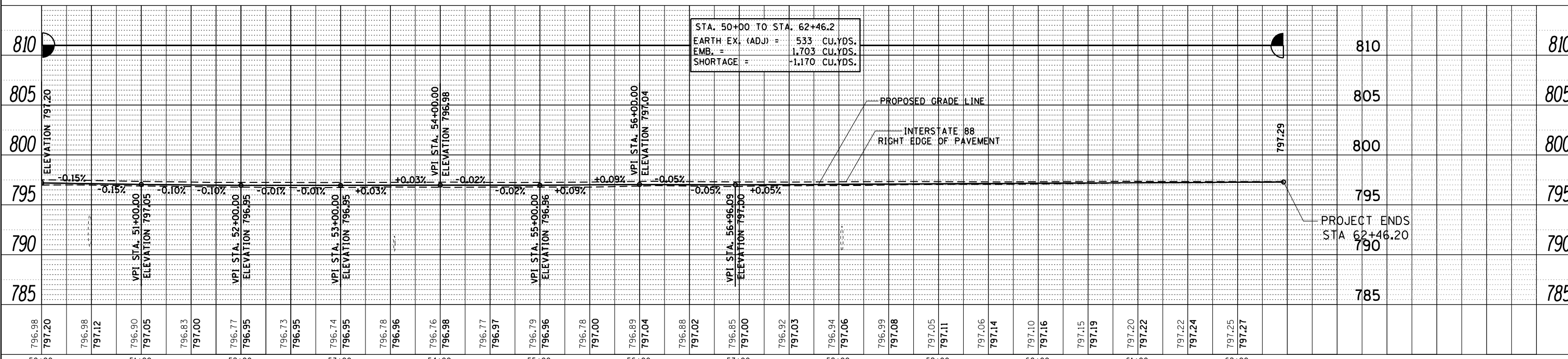
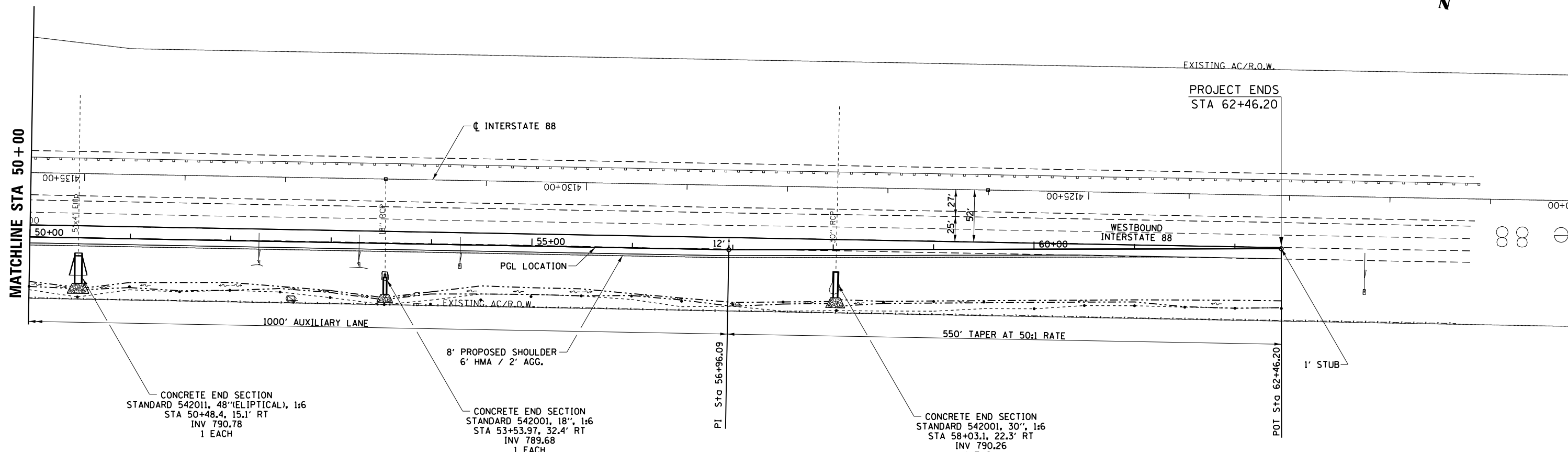


|             |                     |            |           |   |  |                           |            |        |              |           |  |
|-------------|---------------------|------------|-----------|---|--|---------------------------|------------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = ankeyde | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>I-39(SB)/I-88(WB)</b><br><b>PROPOSED RAMP</b> | F.A.I. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|             |                     | CHECKED -  | REVISED - |   |  | 39                        | (141-1)M-4 | OGLE   | 82           | 29        |  |
|             |                     | DATE -     | REVISED - |   |  | CONTRACT NO. 64L03        |            |        |              |           |  |
|             |                     |            |           |   |  | ILLINOIS FED. AID PROJECT |            |        |              |           |  |



|      |          |      |
|------|----------|------|
| PLAN | SURVEYED | DATE |
|      | PLOTTED  | BY   |
|      | ALIGNED  |      |
|      | CHECKED  |      |
|      | FILED    |      |
|      | NO.      |      |
|      | NO.      |      |
|      | NO.      |      |

|         |           |      |
|---------|-----------|------|
| PROFILE | SURVEYED  | DATE |
|         | PLOTTED   | BY   |
|         | GRADES    |      |
|         | CHECKED   |      |
|         | STRUCTURE |      |
|         | NOTATIONS |      |
|         | CHKD      |      |
|         | NO.       |      |
|         | NO.       |      |
|         | NO.       |      |



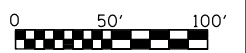
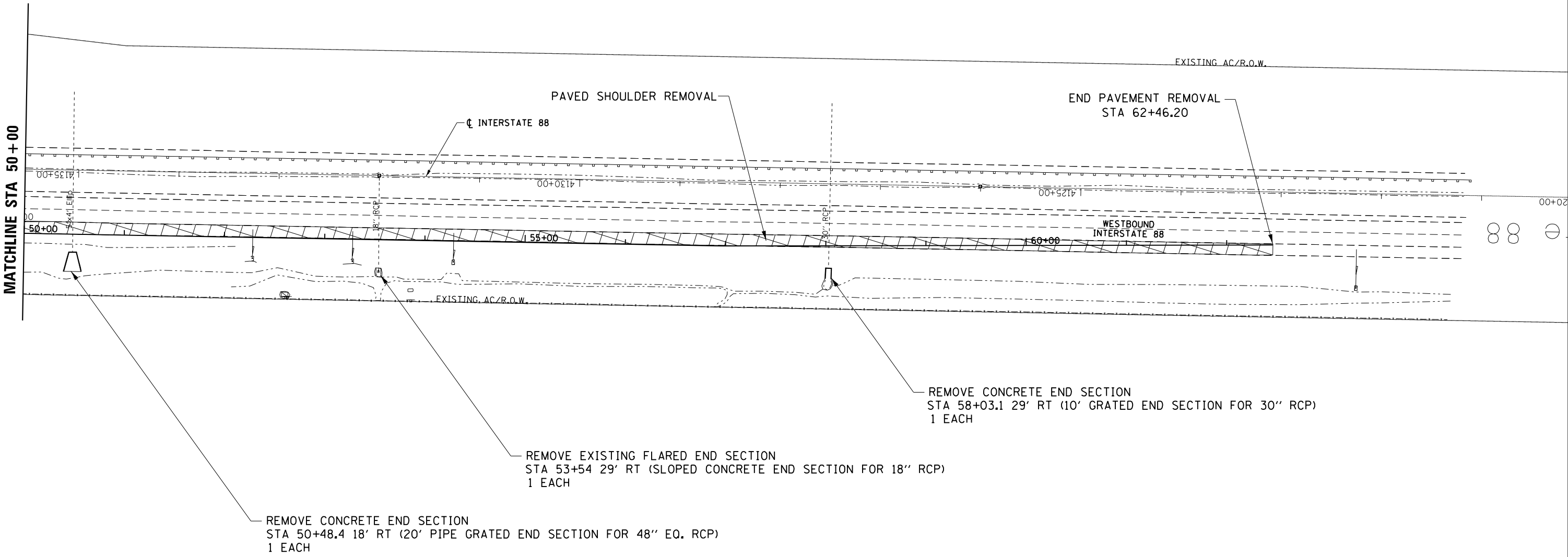
|             |                      |            |           |   |  |                           |            |        |              |           |  |
|-------------|----------------------|------------|-----------|---|--|---------------------------|------------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = ankneyde | DESIGNED - | REVISOR - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>I-39(SB)/I-88(WB)</b><br><b>PROPOSED RAMP</b> | F.A.I. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| Default     |                      | CHECKED -  | REVISOR - |   |  | 39                        | (141-1)M-4 | OGLE   | 82           | 30        |  |
|             |                      | DATE -     | REVISOR - |   |  | CONTRACT NO. 64L03        |            |        |              |           |  |
|             |                      |            |           |   |  | ILLINOIS FED. AID PROJECT |            |        |              |           |  |







# REMOVAL SHEET



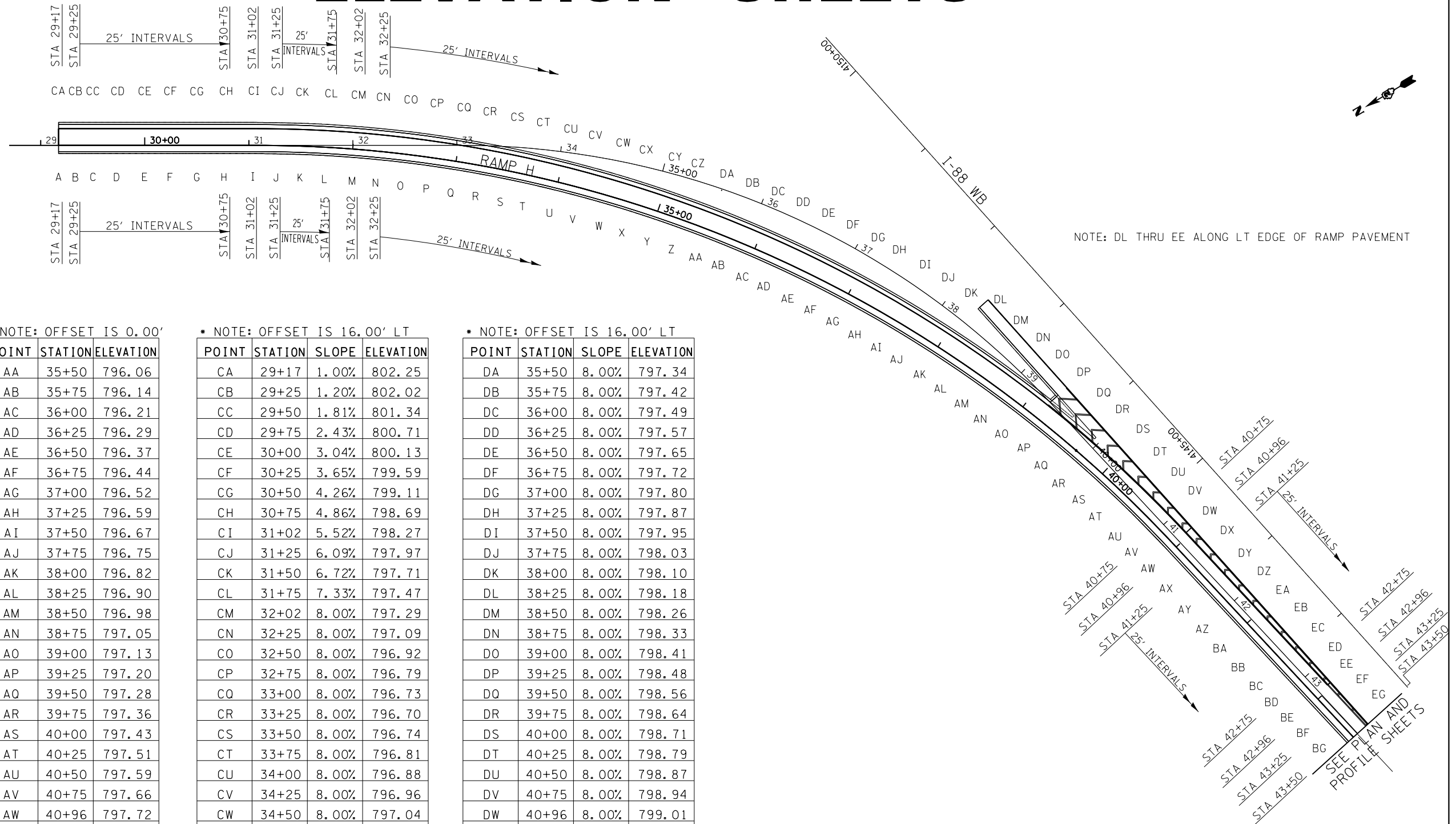
|   |                                     |            |           |
|---|-------------------------------------|------------|-----------|
| FILE NAME =   | USER NAME = ankneyde                | DESIGNED - | REVISED - |
| p:\1\1084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\2026\DRAWING\DATA\LEADSheets\0202614-shr-remov |                                     | DRAWN -    | REVISED - |
| Default   | PLOT SCALE = 100.0000' / in.        | CHECKED -  | REVISED - |
|   | PLOT DATE = May-31-2016 08:13:28 AM | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|                      |       |           |              |
|----------------------|-------|-----------|--------------|
| <b>REMOVAL SHEET</b> |       |           |              |
| SCALE:               | SHEET | OF SHEETS | STA. TO STA. |

|                    |            |        |                           |           |
|--------------------|------------|--------|---------------------------|-----------|
| F.A.I. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 34                 | (141-1)M-4 | OGLE   | 82                        | 33        |
| CONTRACT NO. 64L03 |            |        | ILLINOIS FED. AID PROJECT |           |

# ELEVATION SHEETS



\* NOTE: OFFSET IS 0.00'

| POINT | STATION | ELEVATION |
|-------|---------|-----------|
| A     | 29+17   | 802.09    |
| B     | 29+25   | 801.83    |
| C     | 29+50   | 801.05    |
| D     | 29+75   | 800.32    |
| E     | 30+00   | 799.64    |
| F     | 30+25   | 799.01    |
| G     | 30+50   | 798.43    |
| H     | 30+75   | 797.91    |
| I     | 31+02   | 797.39    |
| J     | 31+25   | 797.00    |
| K     | 31+50   | 796.63    |
| L     | 31+75   | 796.30    |
| M     | 32+02   | 796.01    |
| N     | 32+25   | 795.81    |
| O     | 32+50   | 795.64    |
| P     | 32+75   | 795.51    |
| Q     | 33+00   | 795.45    |
| R     | 33+25   | 795.42    |
| S     | 33+50   | 795.46    |
| T     | 33+75   | 795.53    |
| U     | 34+00   | 795.60    |
| V     | 34+25   | 795.68    |
| W     | 34+50   | 795.76    |
| X     | 34+75   | 795.83    |
| Y     | 35+00   | 795.91    |
| Z     | 35+25   | 795.98    |

\* NOTE: OFFSET IS 0.00'

| POINT | STATION | ELEVATION |
|-------|---------|-----------|
| AA    | 35+50   | 796.06    |
| AB    | 35+75   | 796.14    |
| AC    | 36+00   | 796.21    |
| AD    | 36+25   | 796.29    |
| AE    | 36+50   | 796.37    |
| AF    | 36+75   | 796.44    |
| AG    | 37+00   | 796.52    |
| AH    | 37+25   | 796.59    |
| AI    | 37+50   | 796.67    |
| AJ    | 37+75   | 796.75    |
| AK    | 38+00   | 796.82    |
| AL    | 38+25   | 796.90    |
| AM    | 38+50   | 796.98    |
| AN    | 38+75   | 797.05    |
| AO    | 39+00   | 797.13    |
| AP    | 39+25   | 797.20    |
| AQ    | 39+50   | 797.28    |
| AR    | 39+75   | 797.36    |
| AS    | 40+00   | 797.43    |
| AT    | 40+25   | 797.51    |
| AU    | 40+50   | 797.59    |
| AV    | 40+75   | 797.66    |
| AW    | 40+96   | 797.72    |
| AX    | 41+25   | 797.81    |
| AY    | 41+50   | 797.89    |
| AZ    | 41+75   | 797.95    |
| BA    | 42+00   | 798.02    |
| BB    | 42+25   | 798.06    |
| BC    | 42+50   | 798.10    |
| BD    | 42+75   | 798.12    |
| BE    | 42+96   | 798.14    |
| BF    | 43+25   | 798.15    |
| BG    | 43+50   | 798.14    |

\* NOTE: OFFSET IS 16.00' LT

| POINT | STATION | SLOPE | ELEVATION |
|-------|---------|-------|-----------|
| CA    | 29+17   | 1.00% | 802.25    |
| CB    | 29+25   | 1.20% | 802.02    |
| CC    | 29+50   | 1.81% | 801.34    |
| CD    | 29+75   | 2.43% | 800.71    |
| CE    | 30+00   | 3.04% | 800.13    |
| CF    | 30+25   | 3.65% | 799.59    |
| CG    | 30+50   | 4.26% | 799.11    |
| CH    | 30+75   | 4.86% | 798.69    |
| CI    | 31+02   | 5.52% | 798.27    |
| CJ    | 31+25   | 6.09% | 797.97    |
| CK    | 31+50   | 6.72% | 797.71    |
| CL    | 31+75   | 7.33% | 797.47    |
| CM    | 32+02   | 8.00% | 797.29    |
| CN    | 32+25   | 8.00% | 797.09    |
| CO    | 32+50   | 8.00% | 796.92    |
| CP    | 32+75   | 8.00% | 796.79    |
| CQ    | 33+00   | 8.00% | 796.73    |
| CR    | 33+25   | 8.00% | 796.70    |
| CS    | 33+50   | 8.00% | 796.74    |
| CT    | 33+75   | 8.00% | 796.81    |
| CU    | 34+00   | 8.00% | 796.88    |
| CV    | 34+25   | 8.00% | 796.96    |
| CW    | 34+50   | 8.00% | 797.04    |
| CX    | 34+75   | 8.00% | 797.11    |
| CY    | 35+00   | 8.00% | 797.19    |
| CZ    | 35+25   | 8.00% | 797.26    |

\* NOTE: OFFSET IS 16.00' LT

| POINT | STATION | SLOPE | ELEVATION |
|-------|---------|-------|-----------|
| DA    | 35+50   | 8.00% | 797.34    |
| DB    | 35+75   | 8.00% | 797.42    |
| DC    | 36+00   | 8.00% | 797.49    |
| DD    | 36+25   | 8.00% | 797.57    |
| DE    | 36+50   | 8.00% | 797.65    |
| DF    | 36+75   | 8.00% | 797.72    |
| DG    | 37+00   | 8.00% | 797.80    |
| DH    | 37+25   | 8.00% | 797.87    |
| DI    | 37+50   | 8.00% | 797.95    |
| DJ    | 37+75   | 8.00% | 798.03    |
| DK    | 38+00   | 8.00% | 798.10    |
| DL    | 38+25   | 8.00% | 798.18    |
| DM    | 38+50   | 8.00% | 798.26    |
| DN    | 38+75   | 8.00% | 798.33    |
| DO    | 39+00   | 8.00% | 798.41    |
| DP    | 39+25   | 8.00% | 798.48    |
| DQ    | 39+50   | 8.00% | 798.56    |
| DR    | 39+75   | 8.00% | 798.64    |
| DS    | 40+00   | 8.00% | 798.71    |
| DT    | 40+25   | 8.00% | 798.79    |
| DU    | 40+50   | 8.00% | 798.87    |
| DV    | 40+75   | 8.00% | 798.94    |
| DW    | 40+96   | 8.00% | 799.01    |
| DX    | 41+25   | 7.13% | 798.95    |
| DY    | 41+50   | 6.37% | 798.91    |
| DZ    | 41+75   | 5.73% | 798.87    |
| EA    | 42+00   | 5.09% | 798.83    |
| EB    | 42+25   | 4.32% | 798.75    |
| EC    | 42+50   | 3.55% | 798.67    |
| ED    | 42+75   | 3.25% | 798.64    |
| EE    | 42+96   | 2.94% | 798.61    |
| EF    | 43+25   | 2.70% | 798.58    |
| EG    | 43+50   | 2.50% | 798.54    |

|   |                                     |            |           |
|---|-------------------------------------|------------|-----------|
| FILE NAME =   | USER NAME = ankneyde                | DESIGNED - | REVISED - |
| p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\2026\DRAWING\DATA\0202614-sh-elev.dwg |                                     | CHECKED -  | REVISED - |
| Default   | PLOT DATE = May-31-2016 08:22:44 AM | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

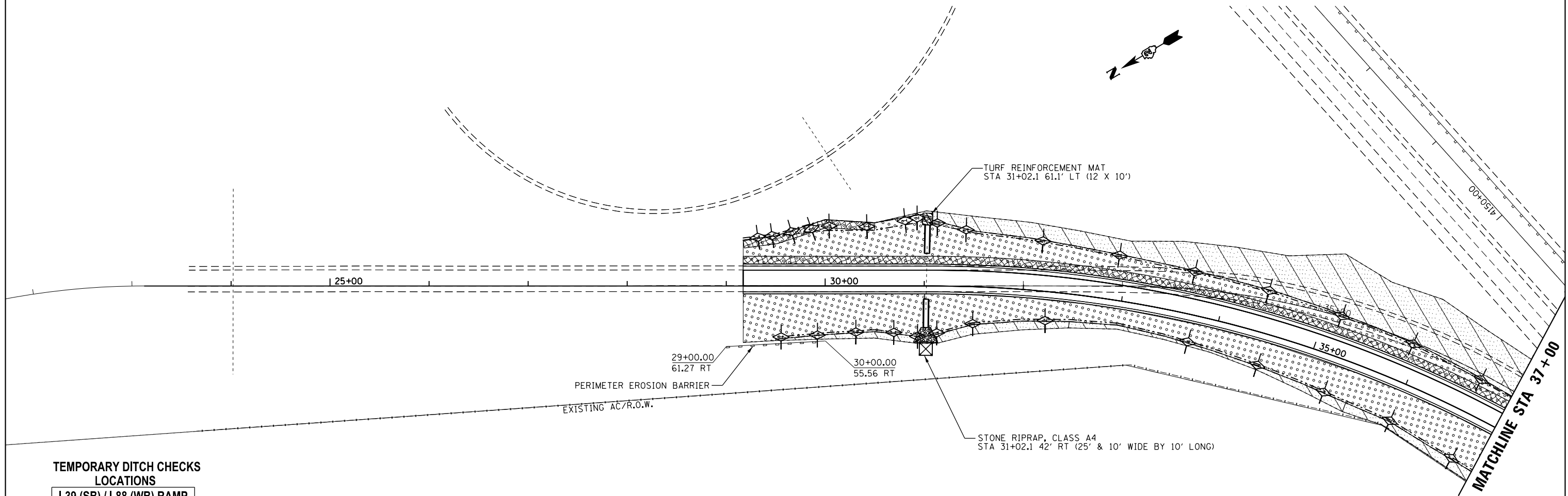
ELEVATION SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. I RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|------------|--------|---------------------------|-----------|
| 39                 | (141-1)M-4 | OGLE   | 82                        | 34        |
| CONTRACT NO. 64L03 |            |        | ILLINOIS FED. AID PROJECT |           |

# EROSION CONTROL & SEEDING

|           |           |      |
|-----------|-----------|------|
| PLAN      | SURVEYED  | DATE |
| NOTE BOOK | PLOTTED   | BY   |
| NO.       | CHECKED   |      |
|           | ALIGNMENT |      |
|           | FILE NAME |      |



**TEMPORARY DITCH CHECKS LOCATIONS**

| I-39 (SB) / I-88 (WB) RAMP |          |  |
|----------------------------|----------|--|
| STA                        | * OFFSET |  |
| 29 + 32                    | LT       |  |
| 29 + 47                    | LT       |  |
| 29 + 66                    | LT       |  |
| 29 + 85                    | LT       |  |
| 30 + 04                    | LT       |  |
| 30 + 42                    | LT       |  |
| 30 + 80                    | LT       |  |
| 30 + 97                    | LT       |  |
| 31 + 07                    | LT       |  |
| 31 + 41                    | LT       |  |
| 32 + 16                    | LT       |  |
| 32 + 91                    | LT       |  |
| 33 + 66                    | LT       |  |
| 34 + 41                    | LT       |  |
| 35 + 16                    | LT       |  |
| 35 + 91                    | LT       |  |
| 36 + 66                    | LT       |  |
| 29 + 92                    | RT       |  |
| 30 + 67                    | RT       |  |
| 30 + 97                    | RT       |  |
| 31 + 07                    | RT       |  |
| 31 + 82                    | RT       |  |
| 32 + 57                    | RT       |  |
| 36 + 25                    | RT       |  |
| 37 + 00                    | RT       |  |

\*OFFSET LOCATIONS FOR TEMPARY DITCH CHECKS ARE TO THE CENTER OF DITCH. (SEE CROSS SECTIONS)

\*NOTE: ALL SEEDED AREAS SHALL HAVE MULCH METHOD 3 UNLESS EROSION CONTROL BLANKET IS SHOWN.

|  |                           |
|--|---------------------------|
|  | CLASS 4 SEEDING           |
|  | CLASS 2A SEEDING          |
|  | TEMPORARY DITCH CHECKS    |
|  | EROSION CONTROL BLANKET   |
|  | PERIMETER EROSION BARRIER |
|  | INLET PIPE PROTECTION     |
|  | RIP RAP                   |
|  | TURF REINFORCEMENT MAT    |

|   |                                     |            |           |
|---|-------------------------------------|------------|-----------|
| FILE NAME =   | USER NAME = ankneyde                | DESIGNED - | REVISED - |
| p:\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\2016\2016-Road\Drawings\0202614-shr-eros.dwg |                                     | DRAWN -    | REVISED - |
| Default   | PLOT SCALE = 100.0000' / in.        | CHECKED -  | REVISED - |
|   | PLOT DATE = May-31-2016 08:43:13 AM | DATE -     | REVISED - |

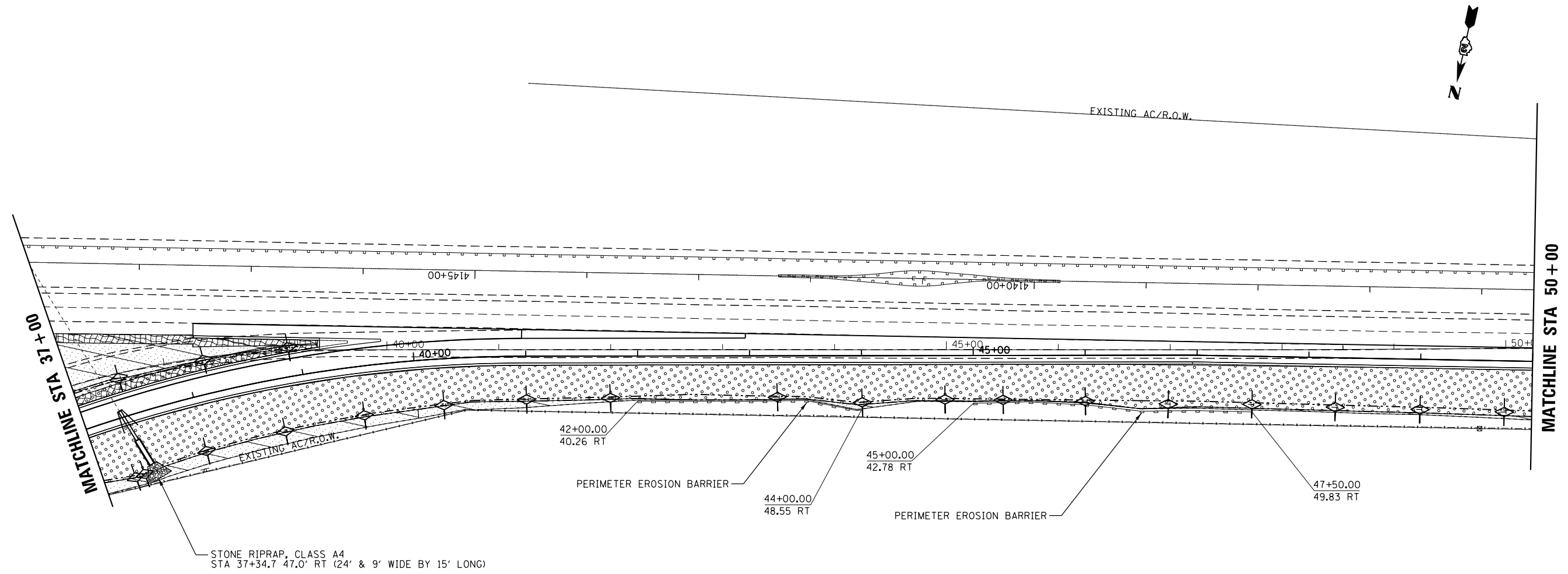
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL AND SEEDING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

|                    |            |        |                           |           |
|--------------------|------------|--------|---------------------------|-----------|
| F.A.I. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 39                 | (141-1)M-4 | OGLE   | 82                        | 35        |
| CONTRACT NO. 64L03 |            |        | ILLINOIS FED. AID PROJECT |           |

# EROSION CONTROL & SEEDING



### TEMPORARY DITCH CHECKS LOCATIONS

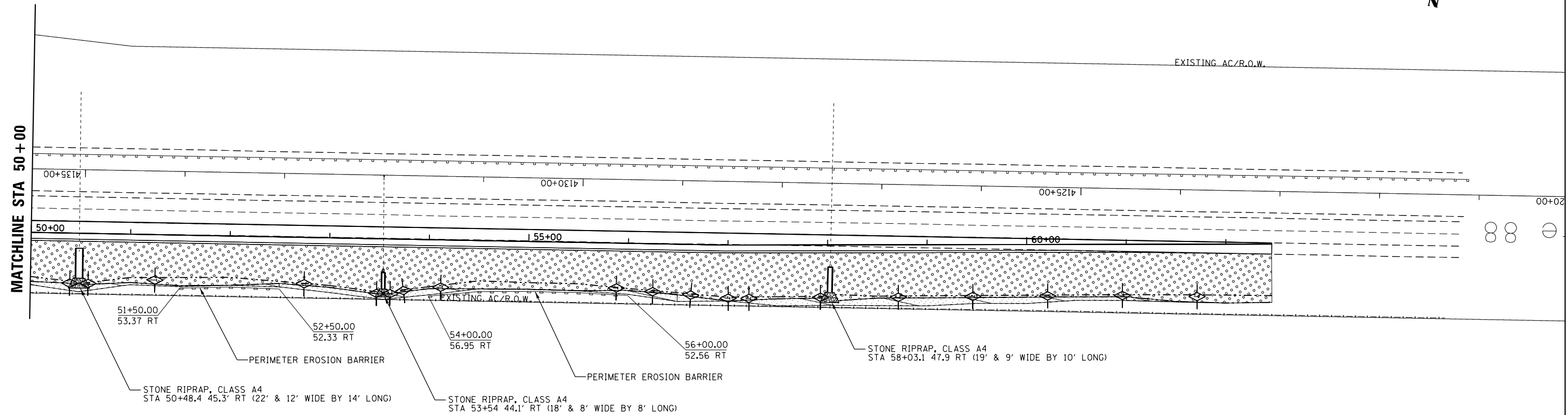
| I-39 (SB) / I-88 (WB) RAMP |          |
|----------------------------|----------|
| STA                        | * OFFSET |
| 37 + 40                    | RT       |
| 37 + 96                    | RT       |
| 38 + 71                    | RT       |
| 39 + 46                    | RT       |
| 40 + 21                    | RT       |
| 47 + 25                    | RT       |
| 48 + 00                    | RT       |
| 48 + 75                    | RT       |
| 49 + 50                    | RT       |
| 37 + 41                    | LT       |
| 38 + 16                    | LT       |
| 38 + 91                    | LT       |

\* OFFSET LOCATIONS FOR TEMPARY DITCH CHECKS ARE TO THE CENTER OF DITCH. (SEE CROSS SECTIONS)

\*NOTE: ALL SEEDED AREAS SHALL HAVE MULCH METHOD 3 UNLESS EROSION CONTROL BLANKET IS SHOWN.

|  |                             |
|--|-----------------------------|
|  | CLASS 4 SEEDING             |
|  | CLASS 2A SEEDING            |
|  | = TEMPORARY DITCH CHECKS    |
|  | = EROSION CONTROL BLANKET   |
|  | = PERIMETER EROSION BARRIER |
|  | = INLET PIPE PROTECTION     |
|  | = RIP RAP                   |
|  | = TURF REINFORCEMENT MAT    |

# EROSION CONTROL & SEEDING



### TEMPORARY DITCH CHECKS LOCATIONS

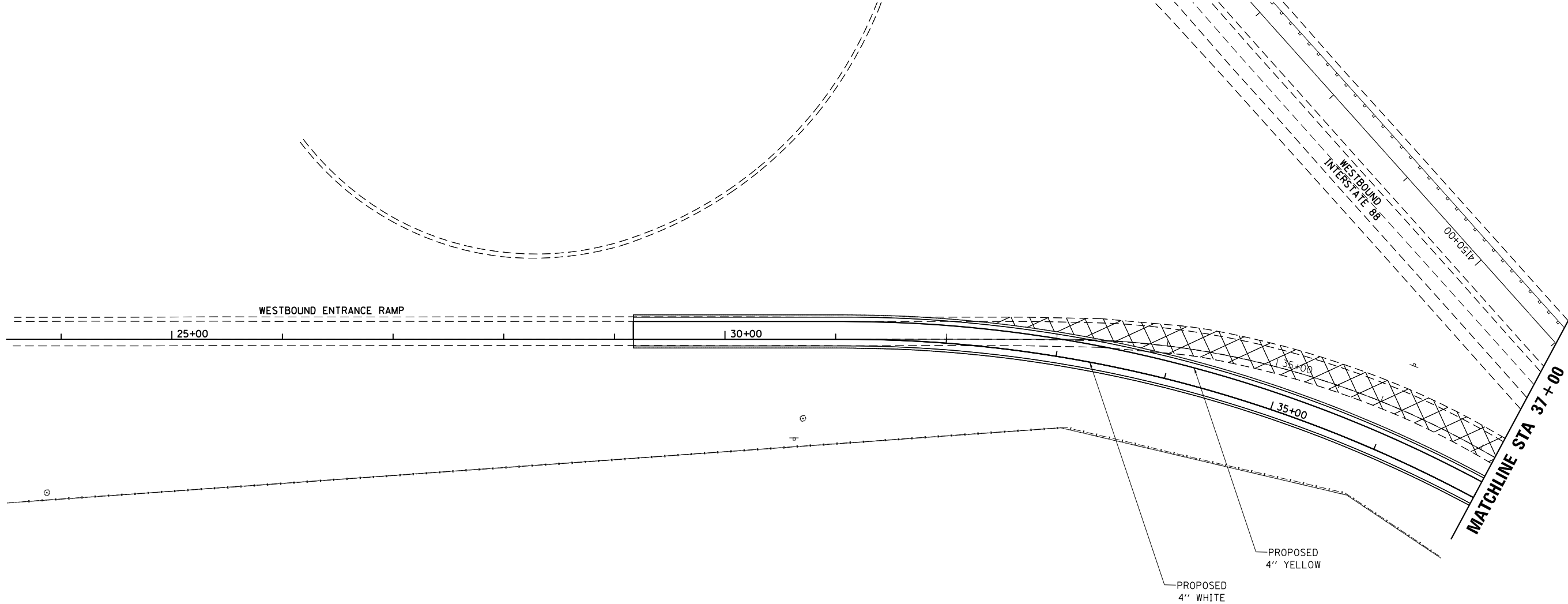
| I-39 (SB) / I-88 (WB) RAMP |          |
|----------------------------|----------|
| STA                        | * OFFSET |
| 50 + 25                    | RT       |
| 50 + 43                    | RT       |
| 50 + 53                    | RT       |
| 51 + 25                    | RT       |
| 52 + 75                    | RT       |
| 53 + 49                    | RT       |
| 53 + 59                    | RT       |
| 54 + 00                    | RT       |
| 54 + 75                    | RT       |
| 56 + 25                    | RT       |
| 57 + 00                    | RT       |
| 57 + 21                    | RT       |
| 57 + 96                    | RT       |
| 58 + 71                    | RT       |
| 59 + 46                    | RT       |
| 60 + 21                    | RT       |
| 60 + 96                    | RT       |
| 61 + 71                    | RT       |

OFFSET LOCATIONS FOR TEMPARY DITCH CHECKS ARE TO THE CENTER OF DITCH. (SEE CROSS SECTIONS)

**\*NOTE:** ALL SEEDED AREAS SHALL HAVE MULCH METHOD 3 UNLESS EROSION CONTROL BLANKET IS SHOWN.

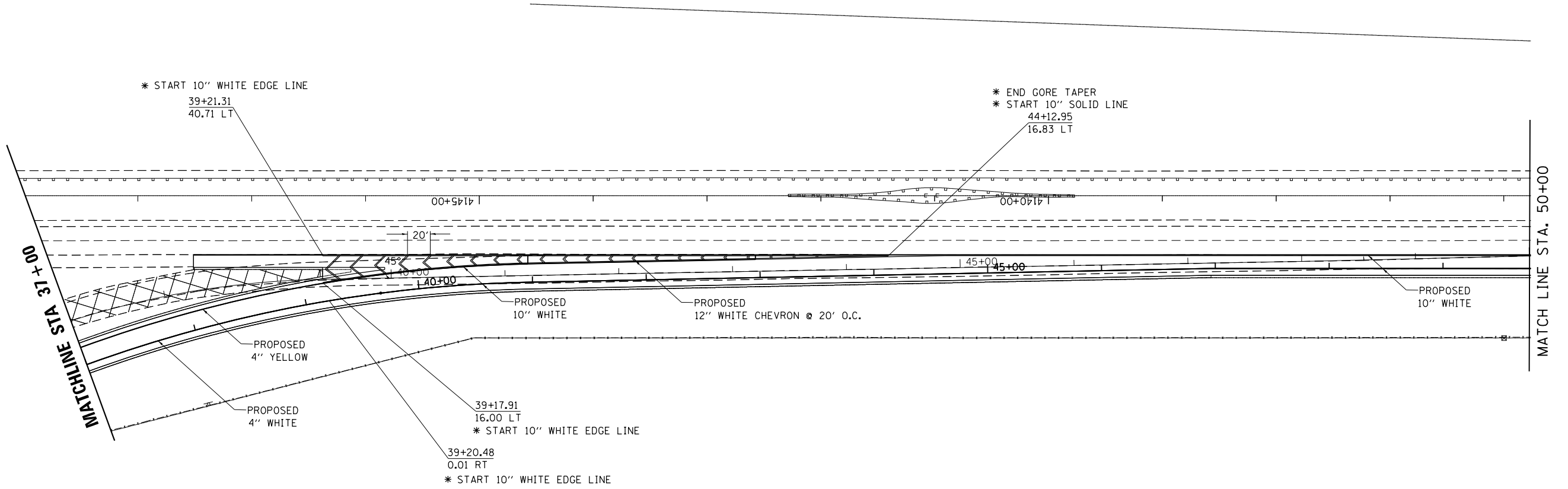
|  |                           |
|--|---------------------------|
|  | CLASS 4 SEEDING           |
|  | CLASS 2A SEEDING          |
|  | TEMPORARY DITCH CHECKS    |
|  | EROSION CONTROL BLANKET   |
|  | PERIMETER EROSION BARRIER |
|  | INLET PIPE PROTECTION     |
|  | RIP RAP                   |
|  | TURF REINFORCEMENT MAT    |

# PAVEMENT MARKING



|  |                                     |            |           |   |  |  |  |                    |          |        |                 |              |
|--|-------------------------------------|------------|-----------|---|--|--|--|--------------------|----------|--------|-----------------|--------------|
| FILE NAME =  | USER NAME = ankneyde                | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PAVEMENT MARKING</b>  |  |  | F.A. I<br>RTE.     | SECTION  | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\2026\DRAWING\DATA\EA0sheets\202614-shr-pmk.dgn | PLOT SCALE = 100.0000' / 1in.       | CHECKED -  | REVISED - |   |  |  |  |                    | (141)M-4 | OGLE   | 82              | 38           |
| Default  | PLOT DATE = May-31-2016 08:51:35 AM | DATE -     | REVISED - |   | SCALE:      SHEET    OF    SHEETS    STA.                  TO STA. |  |  | CONTRACT NO. 64L03 |          |        |                 |              |
|  |                                     |            |           |   | ILLINOIS FED. AID PROJECT  |  |  |                    |          |        |                 |              |

# PAVEMENT MARKING



|             |                                     |            |           |   |  |  |  |                    |          |        |                 |              |
|-------------|-------------------------------------|------------|-----------|---|--|--|--|--------------------|----------|--------|-----------------|--------------|
| FILE NAME = | USER NAME = ankneyde                | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PAVEMENT MARKING</b>  |  |  | F.A. I<br>RTE.     | SECTION  | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| Default     | PLOT DATE = May-31-2016 08:51:33 AM | CHECKED -  | REVISED - |   |  |  |  | 39                 | (141)M-4 | OGLE   | 82              | 39           |
|             |                                     | DATE -     | REVISED - |   | SCALE:      SHEET    OF    SHEETS    STA.                    TO STA. |  |  | CONTRACT NO. 64L03 |          |        |                 |              |
|             |                                     |            |           |   | ILLINOIS FED. AID PROJECT  |  |  |                    |          |        |                 |              |



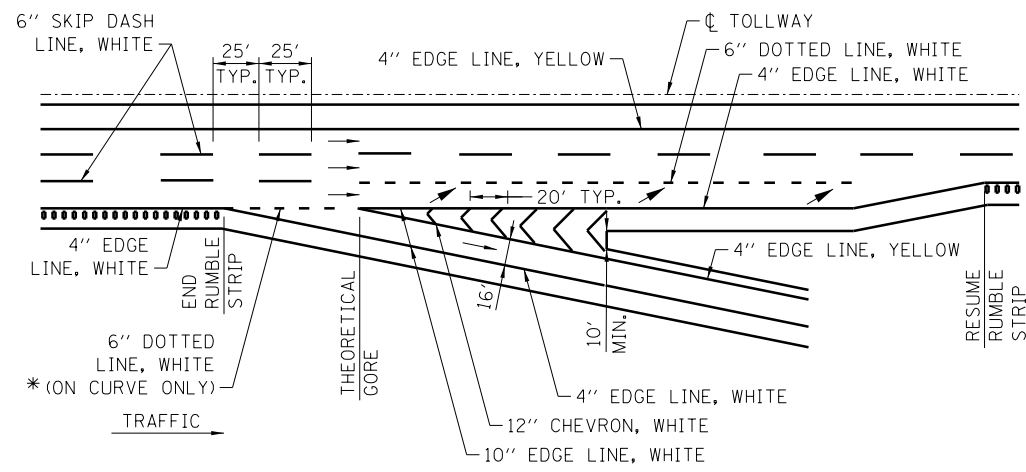




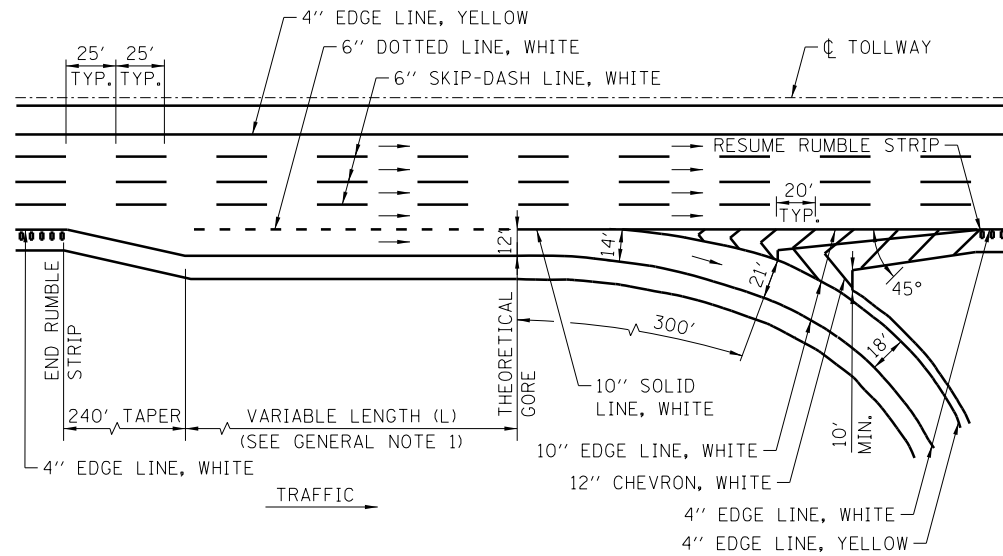




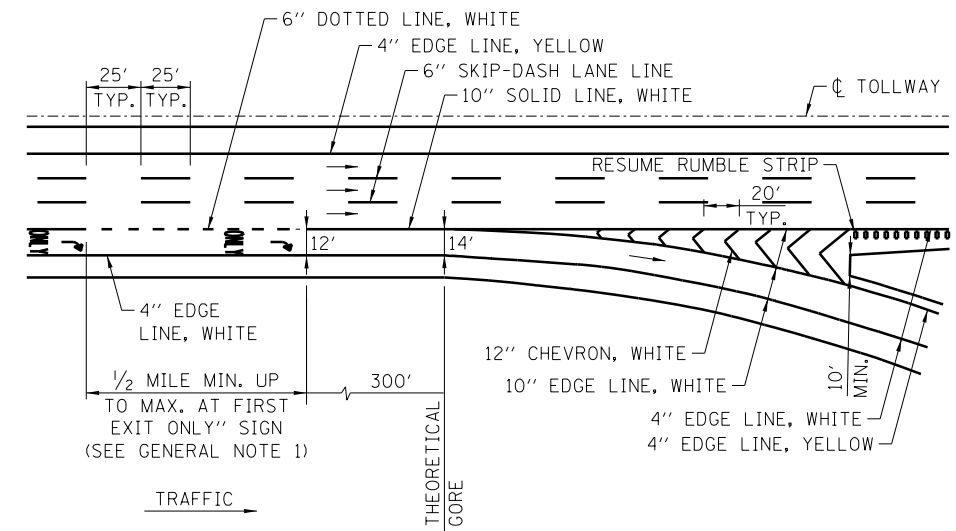




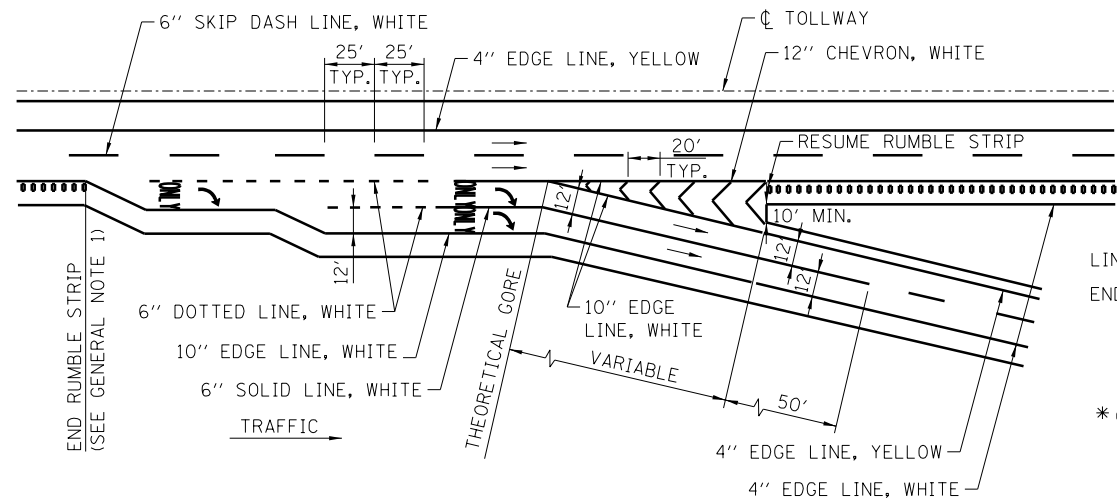
EXIT - SINGLE LANE RAMP  
LANE THREE TERMINATION  
\* OMIT R.P.M.



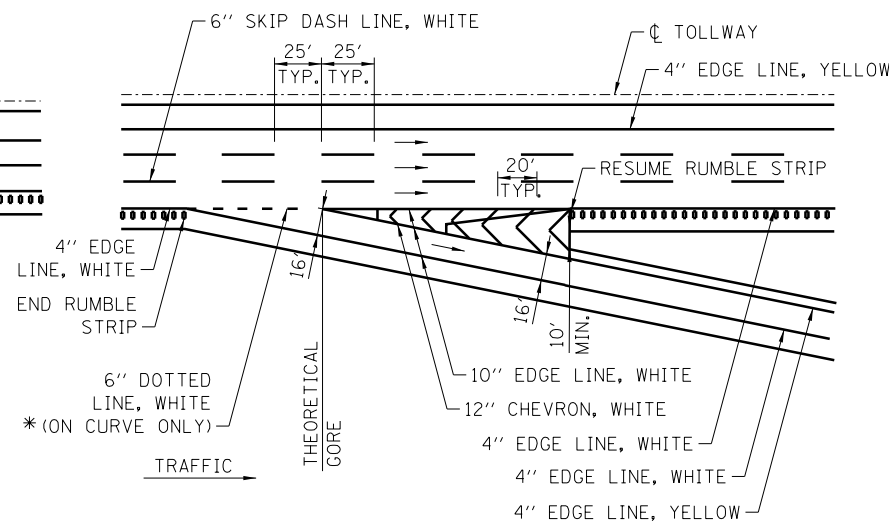
EXIT - SINGLE LANE LOOP RAMP - PARALLEL TYPE



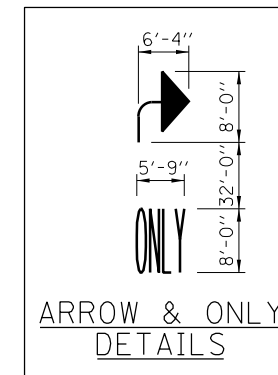
EXIT - SINGLE LANE RAMP - LANE DROP



EXIT - TWO LANE PARALLEL RAMP



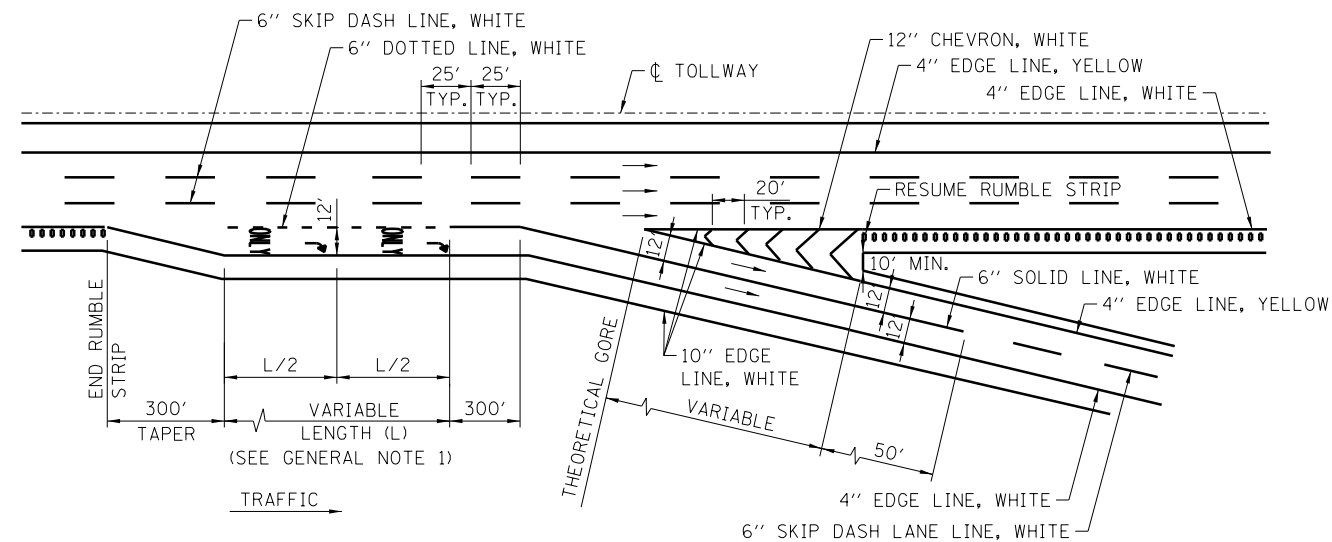
EXIT - SINGLE LANE RAMP - TAPER TYPE  
\* OMIT R.P.M.



NOTE:  
PAVEMENT MARKING LETTERS AND SYMBOLS-ONLY AND ARROW ARE TO BE TYPICALLY PLACED AT 1/2 MILE EXIT GUIDE SIGN, AT GORE EXIT GUIDE SIGN AND APPROXIMATELY HALFWAY BETWEEN THE TWO.

GENERAL NOTES:

- RUMBLE STRIPS SHALL BE INSTALLED BETWEEN THE THEORETICAL GORE AND TAPER WHEN AUXILIARY LANES, ACCELERATION LANES AND DECELERATION LANES, LENGTHS ARE GREATER THAN 1000'.
- ROADWAY MARKING MATERIALS TO BE USED ON FINISHED CONCRETE SURFACE AND ASPHALT SURFACE SHALL BE AS SHOWN ON THE PLANS.
- ALL LANE LINES AND EDGE LINES SHALL BE GROOVED.
- GORE STRIPING (CHEVRON) SHALL BE SURFACED APPLIED.
- LETTERS AND SYMBOL MARKING SHALL BE SURFACED APPLIED.
- DOTTED LINES SHALL CONSIST OF 3' LINE AND 9' GAPS.



EXIT - TWO LANE RAMP

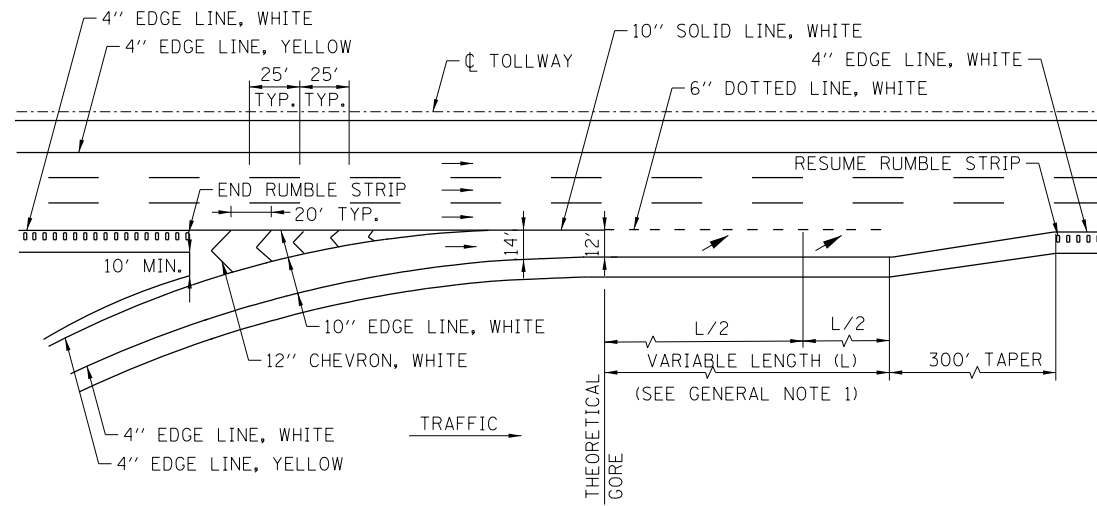
APPROVED: *Paul Kovacs* CHIEF ENGINEER DATE 7-1-2009

| DATE      | REVISIONS  |
|-----------|--|
| 07-01-09  | ADDED LINE GROOVING NOTES                                |
| 11-01-12  | REVISED NOTES AND ADDED DOTTED LINE                      |
| 03-01-13  | REVISED SINGLE LANE LOOP RAMP DETAILS                    |
| 03-31-14  | ADDED LANE REDUCTION MARKINGS                            |
| 3-11-2015 | REVISED DETAILS, ADDED LANE-REDUCTION ARROWS AND SHEET 3 |

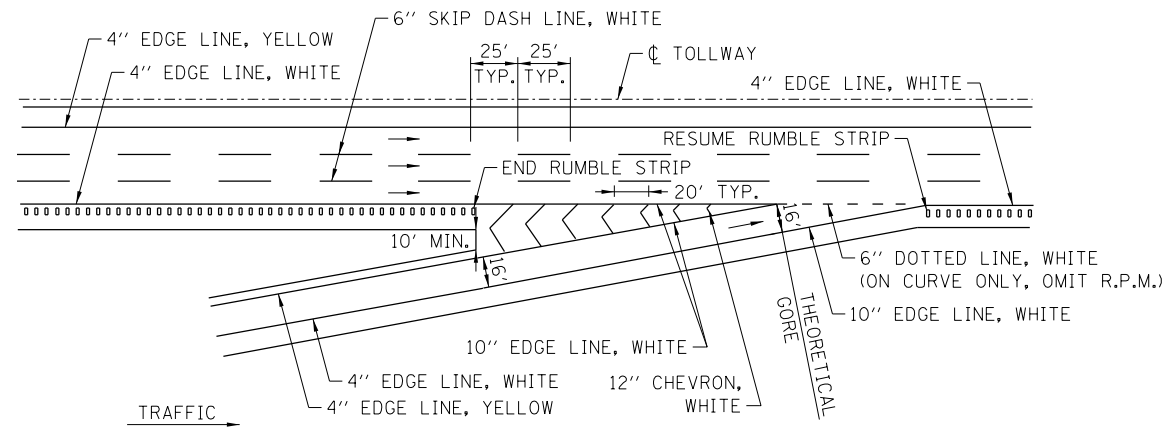
PAVEMENT MARKING AND SHOULDER RUMBLE STRIP DETAILS

STANDARD D6-05

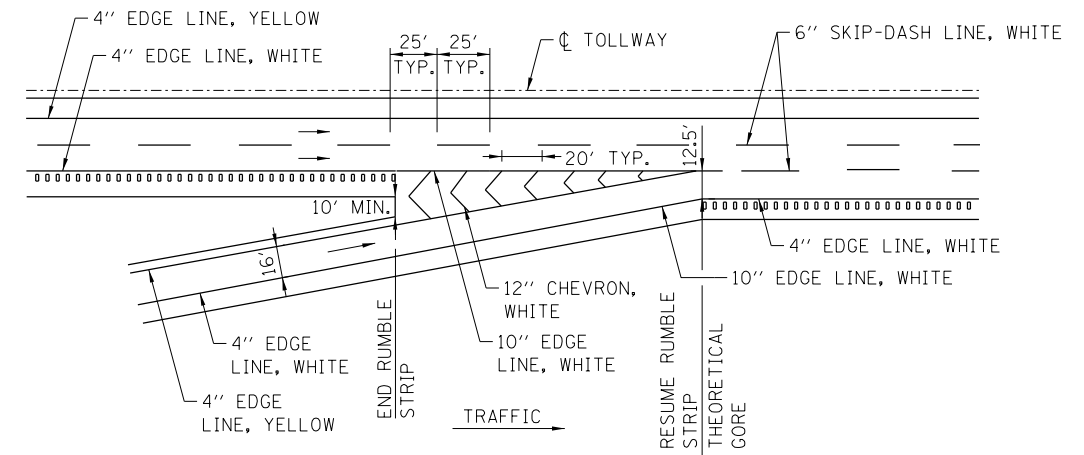




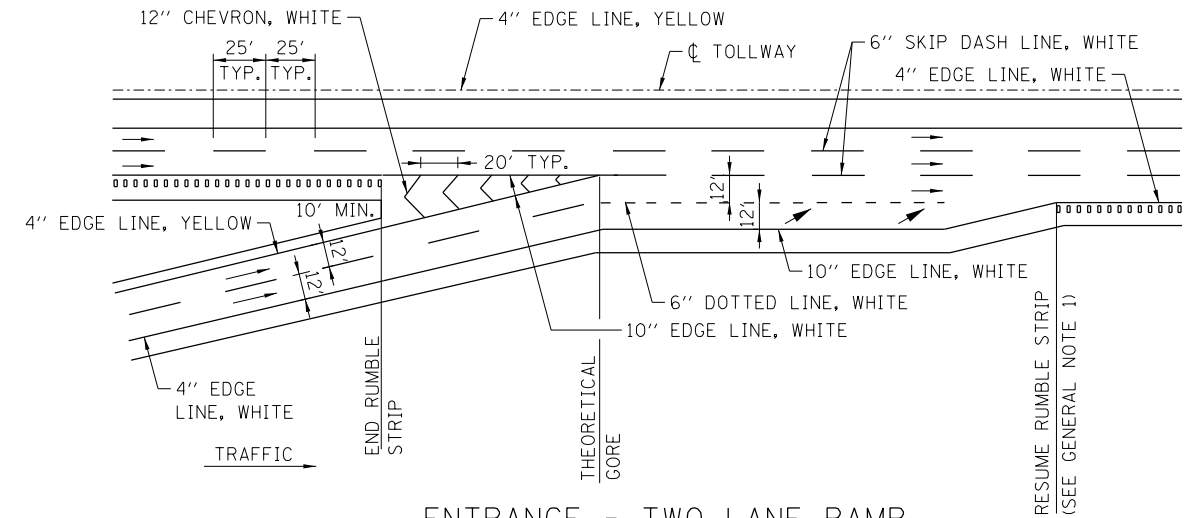
ENTRANCE - SINGLE LANE LOOP RAMP - PARALLEL TYPE



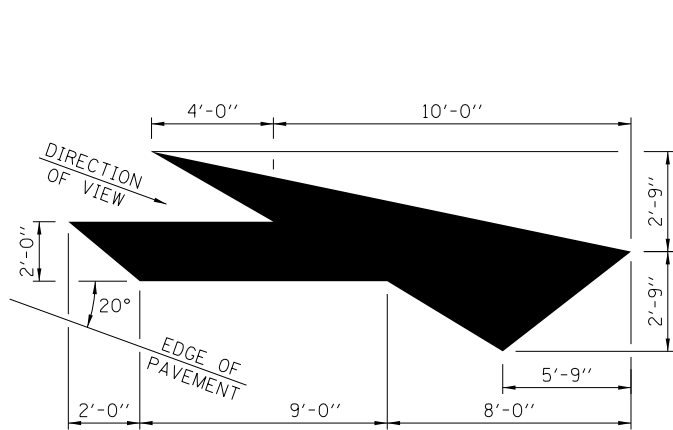
ENTRANCE - SINGLE LANE RAMP - TAPER TYPE



ENTRANCE - SINGLE LANE RAMP WITH ADDED MAINLINE LANE

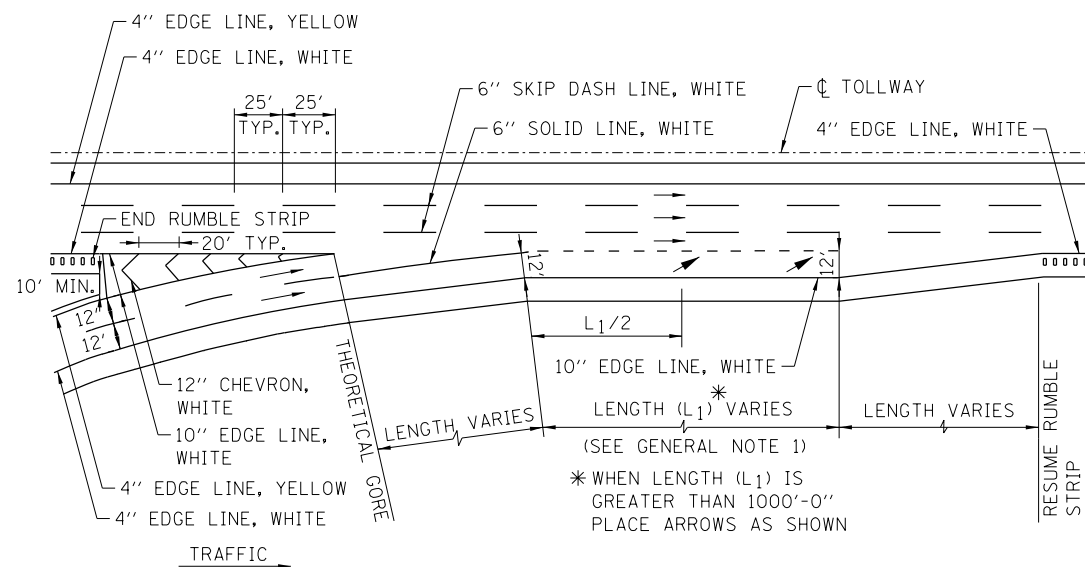


ENTRANCE - TWO LANE RAMP WITH ADDED MAINLINE LANE

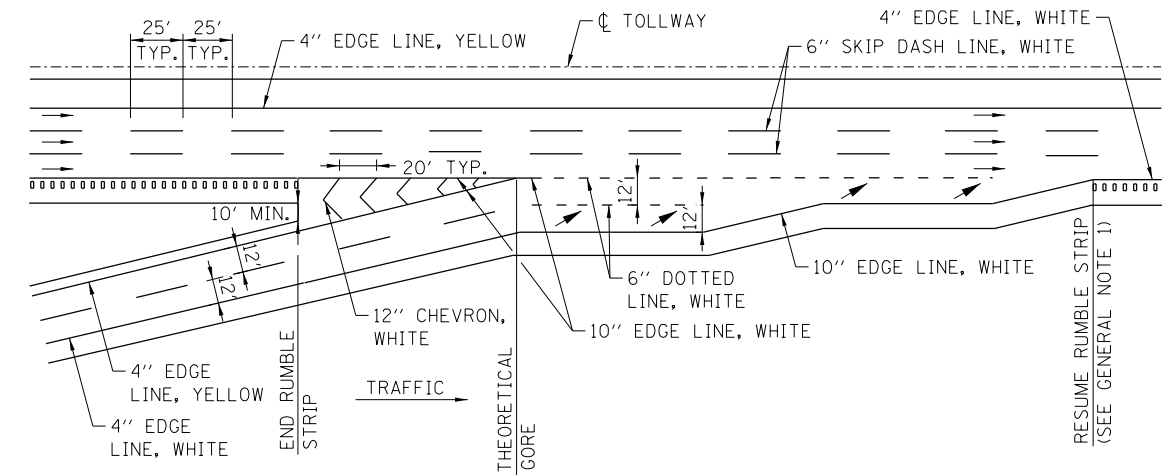


LANE-REDUCTION ARROW

RIGHT LANE-REDUCTION ARROW SHOWN.  
USE MIRROR IMAGE FOR LEFT LANE.

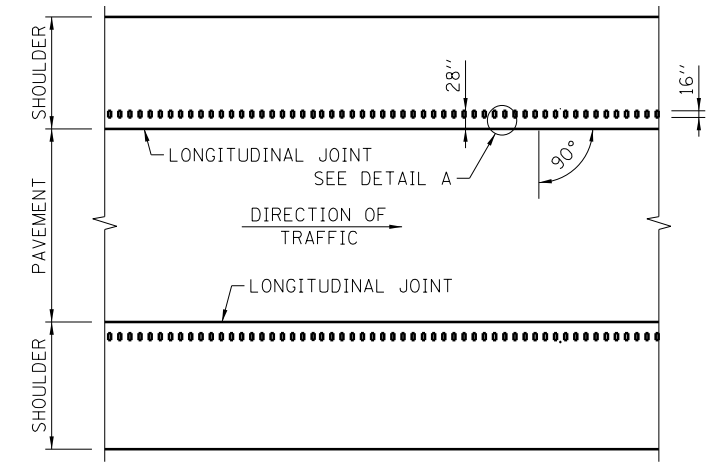
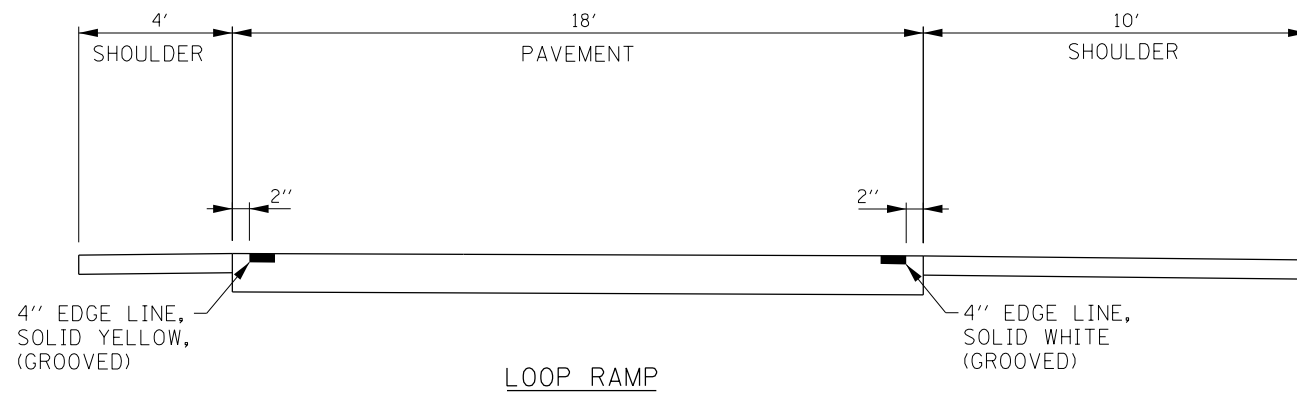
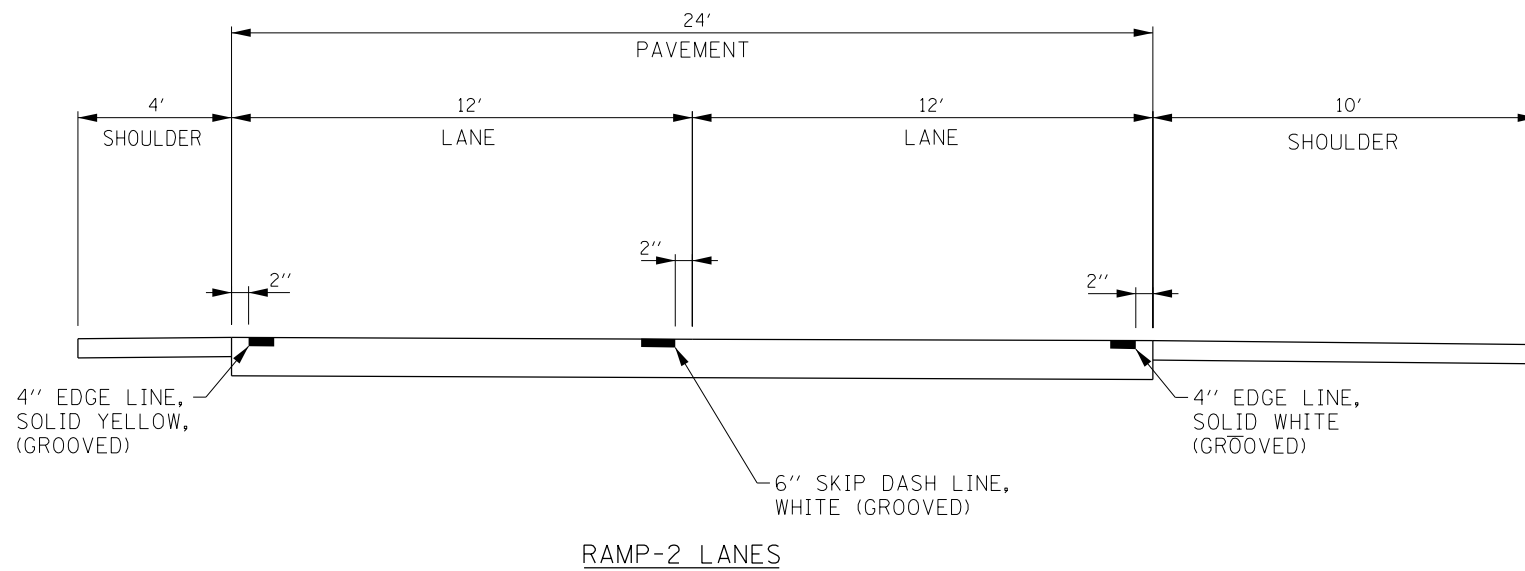
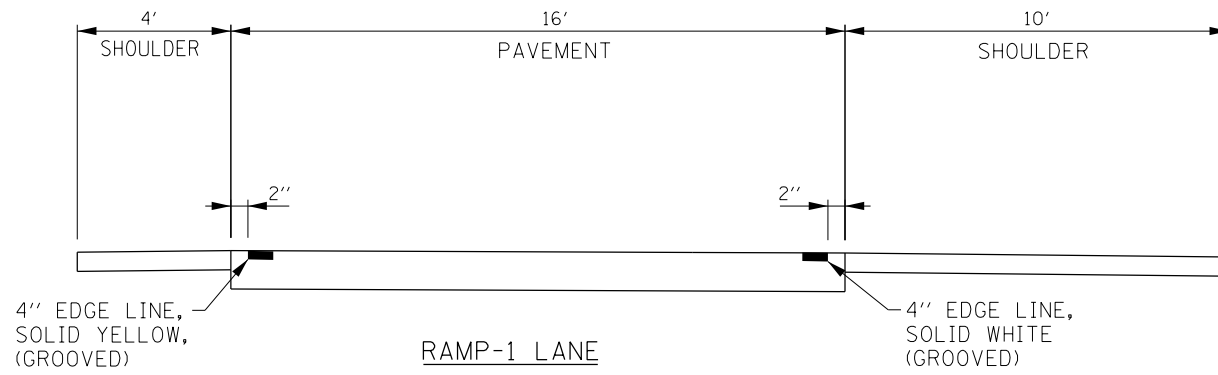


ENTRANCE - TWO LANE RAMP

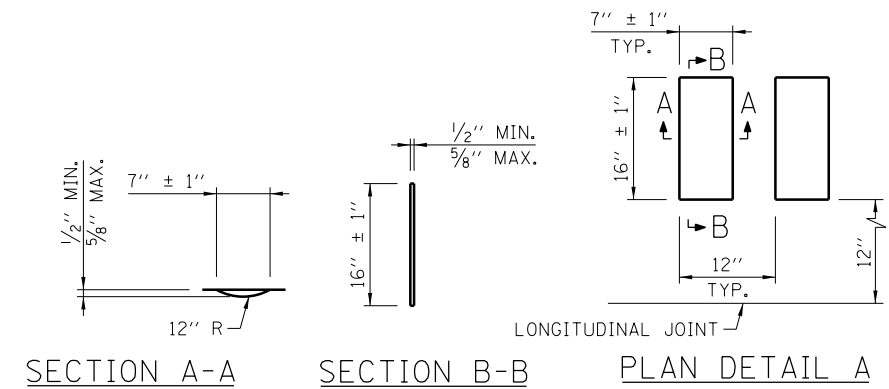


ENTRANCE - TWO LANE PARALLEL RAMP

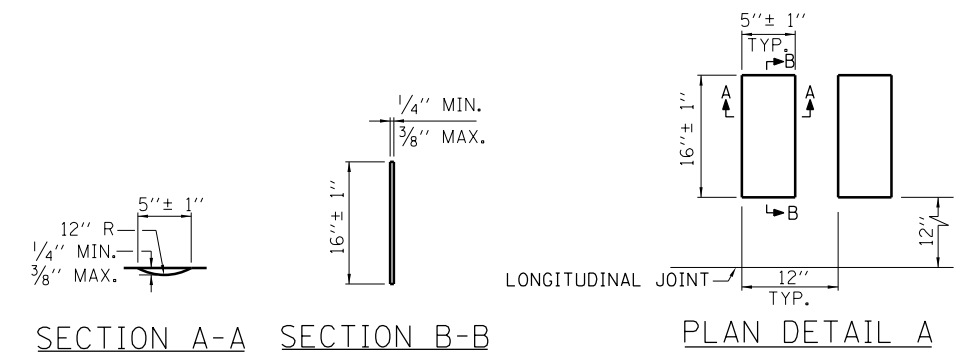




TYPICAL PLAN VIEW  
MAINLINE

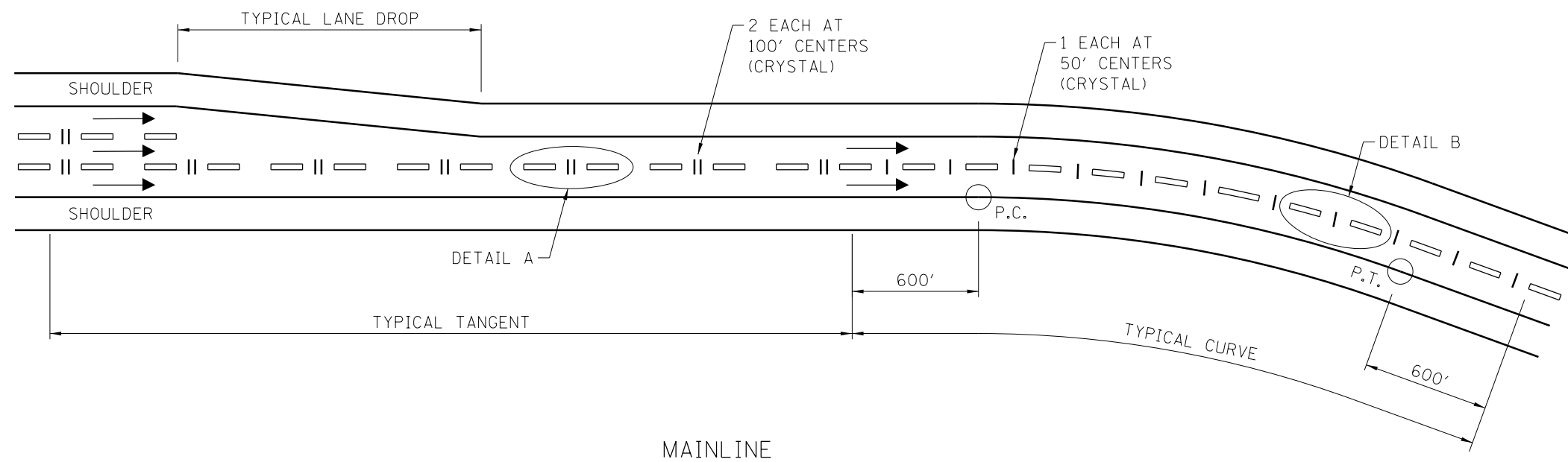
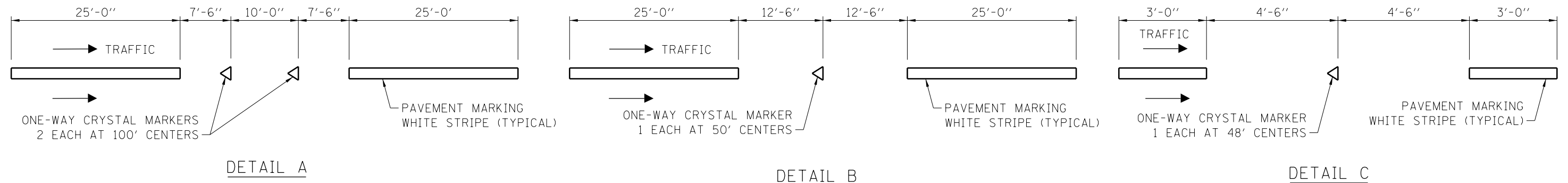


ASPHALT SHOULDER  
RUMBLE STRIP DETAILS



CONCRETE SHOULDER  
RUMBLE STRIP DETAILS





RAISED PAVEMENT LANE MARKER DETAILS

NOTES:

1. FOR COLLECTOR DISTRUBUTOR, PLACE ONE-WAY CRYSTAL MARKER, 2 EACH AT 100' CENTERS. USE DETAIL A.
2. FOR MULTI LANE DIRECTIONAL RAMPS, PLACE ONE-WAY CRYSTAL MARKER, 1 EACH AT 50' CENTERS. USE DETAIL B.
3. FOR AUXILIARY LANES, PLACE ONE-WAY CRYSTAL MARKER, 1 EACH AT 48' CENTERS. USE DETAIL C.

| DATE     | REVISIONS        |
|----------|------------------|
| 11-01-12 | REVISED DETAIL C |
|          |                  |
|          |                  |
|          |                  |

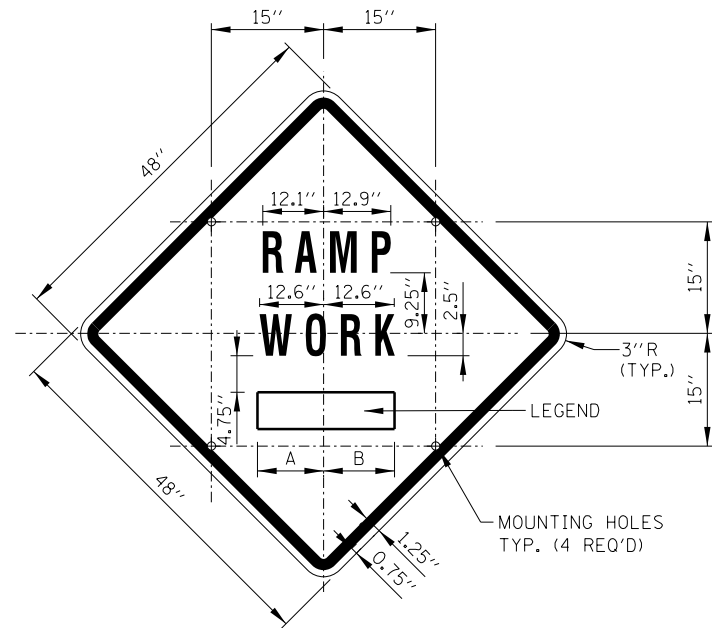


RAISED PAVEMENT  
LANE MARKER

STANDARD D8-01

APPROVED *Paul Kovacs* CHIEF ENGINEER DATE 7-1-2009

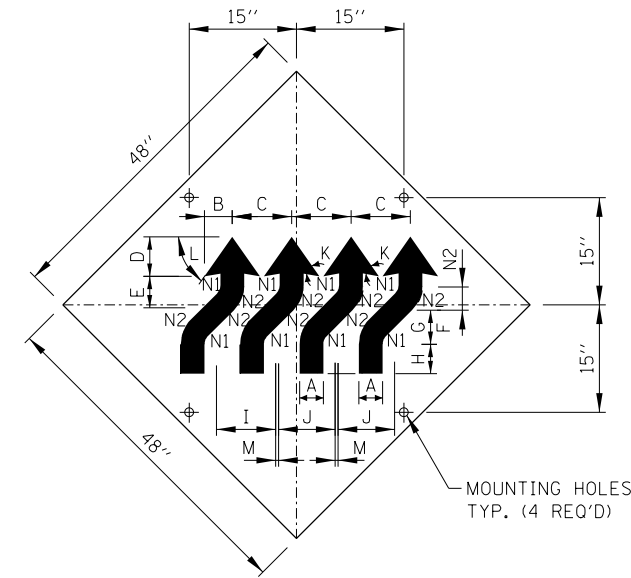




SIGN TS-2 (O)

COLOR: BACKGROUND - FLUORESCENT ORANGE (O)  
 BORDER AND SYMBOL - BLACK  
 SIZE: 48"x48"  
 LETTERING: 7" FEDERAL SERIES D  
 MOUNTING HOLES: 7/16" DIA., 4 HOLES SPACED AS SHOWN

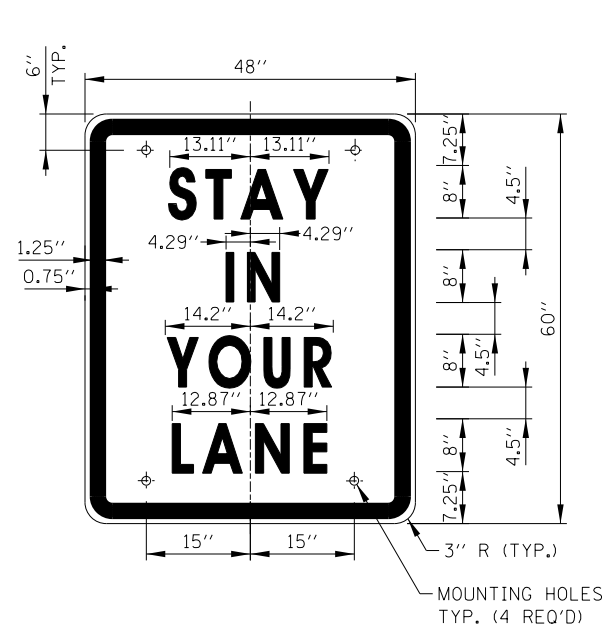
| SIGN NO. | LEGEND   | A         | B         |
|----------|----------|-----------|-----------|
| TS-2A    | AHEAD    | 15.50"    | 15.50"    |
| TS-2B    | 500 FT   | 14.25"    | 15.13"    |
| TS-2C    | 1000 FT  | 14.88" L2 | 15.75" L2 |
| TS-2D    | 1500 FT  | 14.88" L2 | 15.75" L2 |
| TS-2E    | 1/2 MILE | 15.75" L3 | 15.75" L3 |
| TS-2F    | 1 MILE   | 13.06"    | 13.06"    |



SIGN W1-4dR (O)

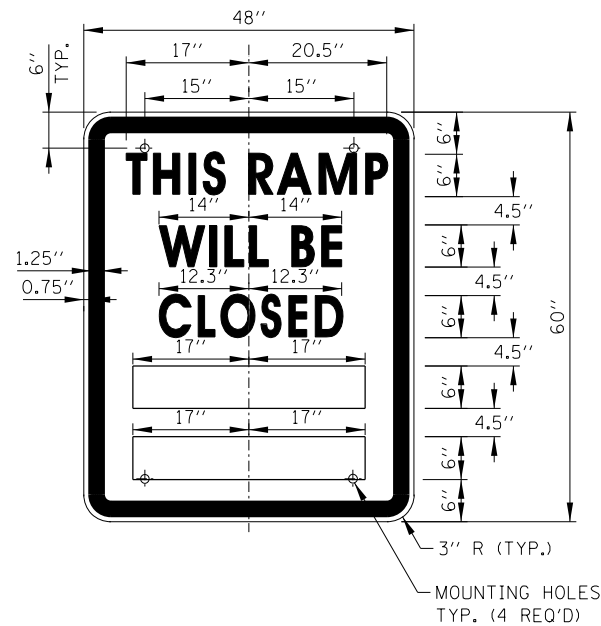
COLOR: BACKGROUND-FLUORESCENT ORANGE (O)  
 TYPE A REFLECTIVE SHEETING PER STANDARD SPECIFICATIONS (\*A)  
 BORDER AND LETTERS-BLACK  
 SIZE: 48"x48"  
 MOUNTING HOLES: 7/16" DIA., 4 HOLES SPACED AS SHOWN.

|    |         |
|----|---------|
| A  | 4 1/2"  |
| B  | 5 3/4"  |
| C  | 12 1/2" |
| D  | 7 3/4"  |
| E  | 6 1/2"  |
| F  | 4 1/2"  |
| G  | 6 1/2"  |
| H  | 6"      |
| I  | 12 3/4" |
| J  | 12"     |
| K  | 45°     |
| L  | 55°     |
| M  | 0 3/4"  |
| N1 | 2"      |
| N2 | 6 1/2"  |



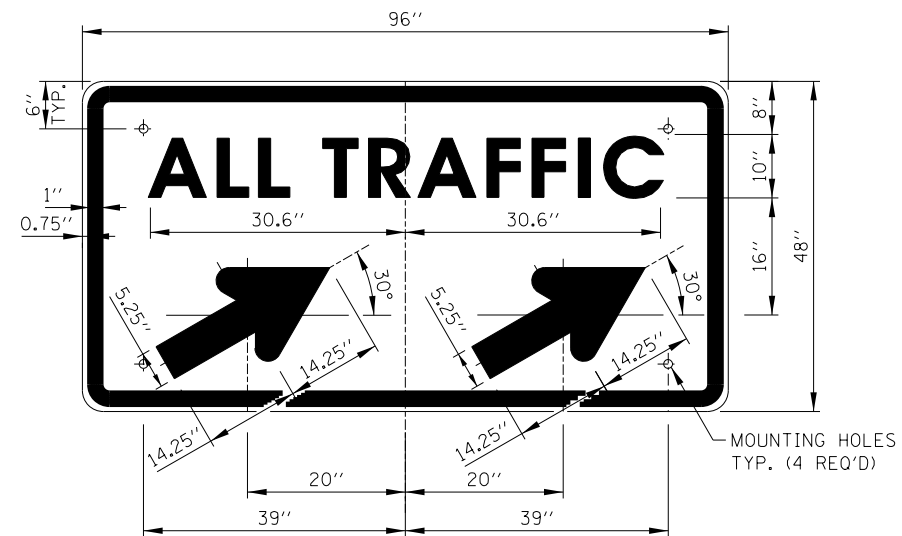
SIGN TS-3

COLOR: BACKGROUND - WHITE (REFLECTORIZED) (\*A)  
 BORDER AND LETTERS - BLACK  
 SIZE: 48"x60"  
 LETTERING: LEGEND - 8" FEDERAL SERIES D  
 MOUNTING HOLES: 7/16" DIA., 4 HOLES, SPACED AS SHOWN



SIGN TS-4

COLOR: BACKGROUND - WHITE (REFLECTORIZED)(\*A)  
 BORDER AND LETTERS - BLACK  
 SIZE: 48"x60"  
 LETTERING: LEGEND - 6" FEDERAL SERIES C  
 MOUNTING HOLES: 7/16" DIA., 4 HOLES, SPACED AS SHOWN



SIGN TS-5a & TS-5b

COLOR: BACKGROUND - WHITE (REFLECTORIZED)(\*A)  
 BORDER AND LETTERS - BLACK  
 ARROW - BLACK  
 SIZE: 96"x48"  
 LETTERING: 10" FEDERAL SERIES D  
 MOUNTING HOLES: 7/16" DIA., 4 HOLES, SPACED AS SHOWN  
 NOTE: SIGN TS-5a IS SHOWN, SUBSTITUTE LEGEND "▲" FOR "▲" FOR SIGN TS-5b

NOTES:

- ALL LETTERING IS DESIGNATED BY SIZE AND SERIES IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" AS PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION. LETTERING SPACING SHALL BE IN ACCORDANCE WITH THIS GUIDE EXCEPT WHERE NOTED.
- SYMBOLS AND ARROWS SHALL CONFORM TO THE DETAILS SHOWN IN THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" AS PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.
- SEE THE CONTRACT REQUIREMENTS FOR ADDITIONAL NOTES AND SPECIFICATIONS.  
 (O) FLUORESCENT ORANGE REFLECTIVE SHEETING PER THE STANDARD SPECIFICATIONS.  
 (\*A) - REFLECTIVE SHEETING PER THE STANDARD SPECIFICATIONS.
- DIMENSIONS INDICATED THUS L ARE BASED ON A REDUCTION IN STANDARD LETTERING SPACING AS SHOWN BELOW:  
 L1 SPACING REDUCED BY 25%  
 L2 SPACING REDUCED BY 40%  
 L3 SPACING REDUCED BY 50%

RAMP CLOSURE ADVANCE INFORMATION SIGN

THE VARIABLE MESSAGE WITH DATES FOR THE BOTTOM TWO LINES SHALL BE DETERMINED BY THE ENGINEER AND GIVEN TO THE CONTRACTOR BEFORE THE REQUIRED FIELD ERECTION DATE.

APPROVED: *Paul Kovacs* CHIEF ENGINEER DATE 5-1-2009

| DATE      | REVISIONS  |
|-----------|--|
| 05-01-09  | DELETED FLASHING ARROW BOARDS                              |
| 01-01-11  | ADDED SIGN COLOR DESIGNATION                               |
| 11-01-12  | DELETED SIGN TS-1  |
| 03-31-14  | REVISED FINE SIGN NUMBER AND ADDED LED SPEED LIMIT DISPLAY |
| 3-11-2015 | REVISED NOTES  |

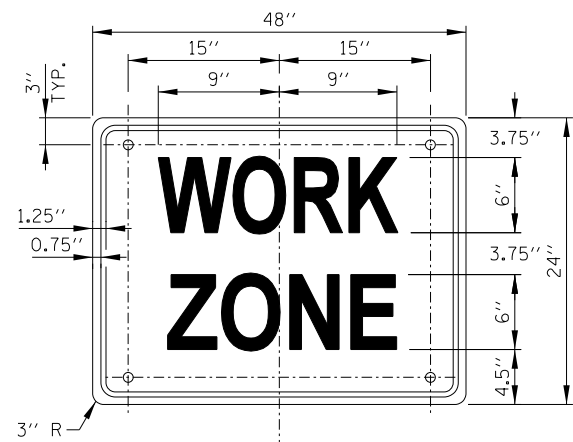
SHEET 1 OF 2



CONSTRUCTION SIGNS

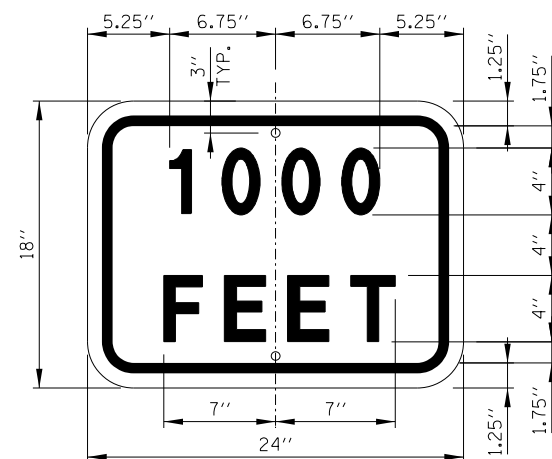
STANDARD E1-05

Sheet 49 of 82



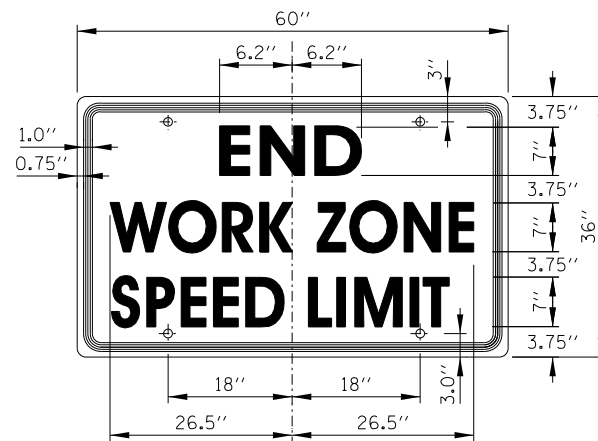
SIGN G20-I102 (O)

COLOR: BACKGROUND - FLUORESCENT ORANGE (O)  
 BORDER AND LETTERS - BLACK  
 SIZE: 48"x24"  
 LETTERING: 6" FEDERAL SERIES C  
 MOUNTING HOLES: 1/16" DIA., 4 HOLES SPACED AS SHOWN



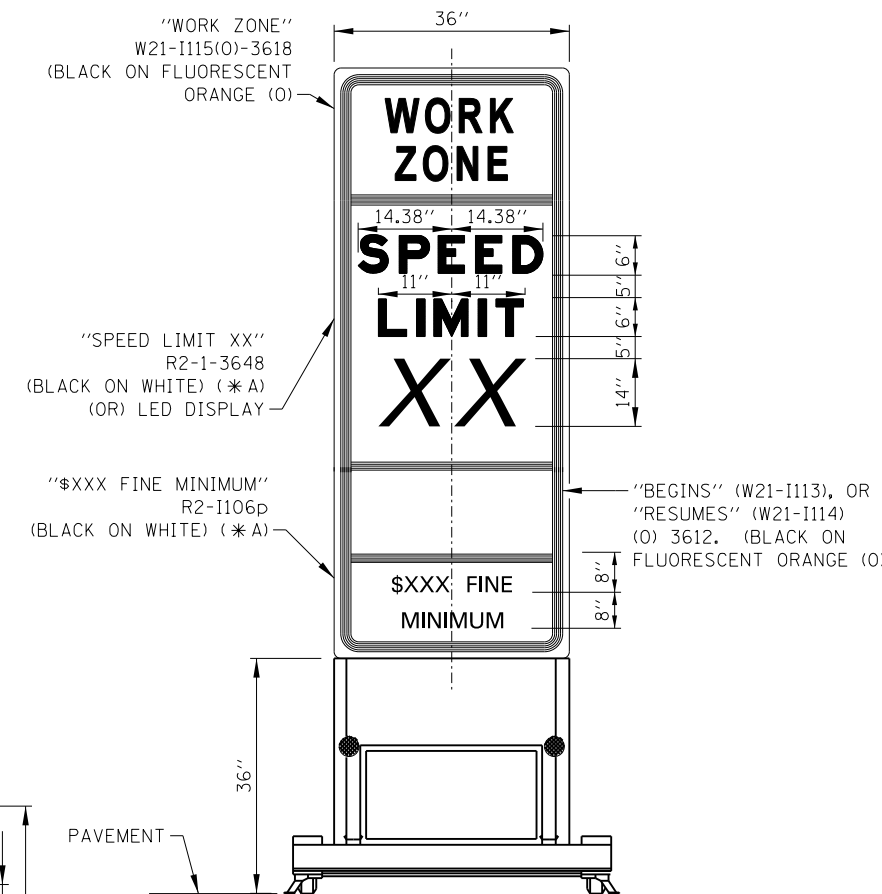
SUPPLEMENTAL PLATE (O)

COLOR: BACKGROUND - FLUORESCENT ORANGE (O)  
 BORDER AND LETTERS - BLACK  
 SIZE: 24"x18"  
 LETTERING: 4" FEDERAL SERIES D  
 MOUNTING HOLES: 1/16" DIA., 2 HOLES SPACED AS SHOWN



SIGN G20-I103 (O)

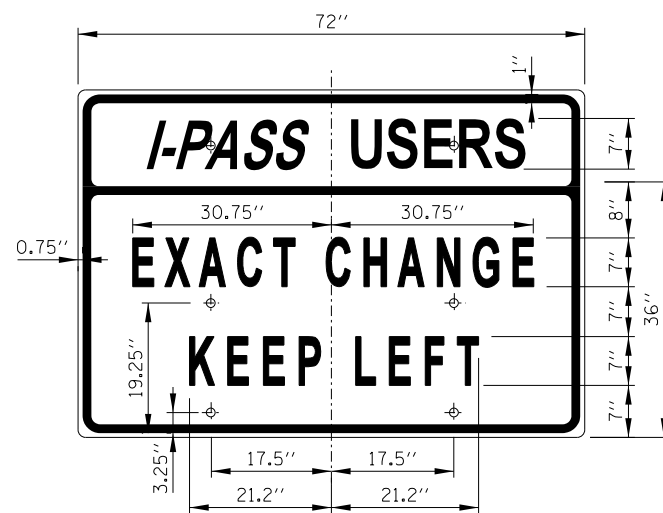
COLOR: BACKGROUND - FLUORESCENT ORANGE (O)  
 BORDER AND LETTERS - BLACK  
 SIZE: 60"x36"  
 LETTERING: 6" FEDERAL SERIES C  
 MOUNTING HOLES: 1/16" DIA., 4 HOLES SPACED AS SHOWN



WORK ZONE SPEED LIMIT SIGN ASSEMBLY

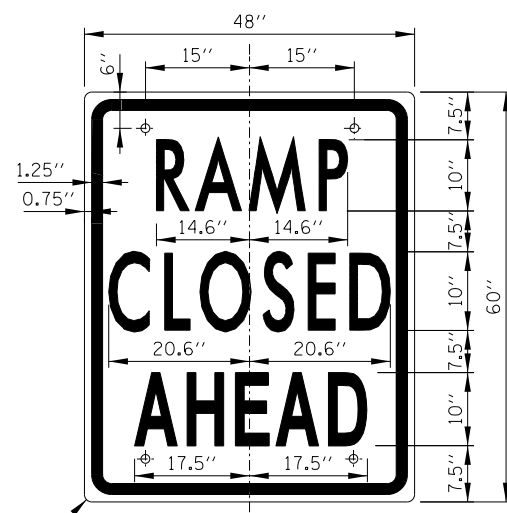
GENERAL NOTES:

- ALL LETTERING IS DESIGNATED BY SIZE AND SERIES IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" AS PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION. LETTERING SPACING SHALL BE IN ACCORDANCE WITH THIS GUIDE EXCEPT WHERE NOTED.
- SYMBOLS AND ARROWS SHALL CONFORM TO THE DETAILS SHOWN IN THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" AS PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.
- SEE THE CONTRACT REQUIREMENTS FOR ADDITIONAL NOTES AND SPECIFICATIONS.  
 (O) FLUORESCENT ORANGE REFLECTIVE SHEETING PER THE STANDARD SPECIFICATIONS.  
 (\* A) - REFLECTIVE SHEETING PER THE STANDARD SPECIFICATIONS.



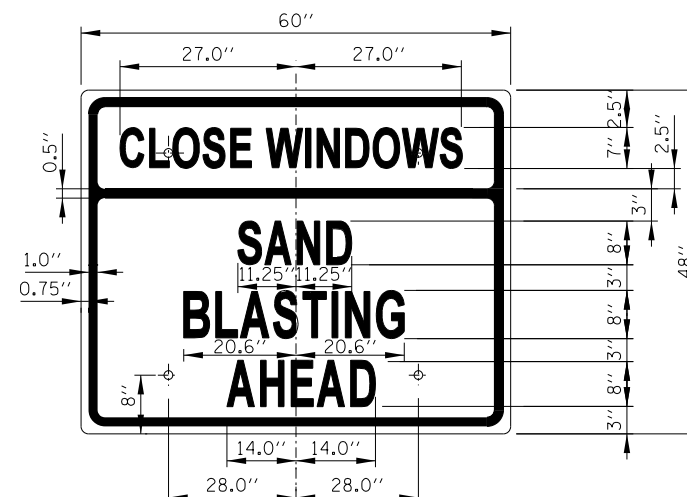
SIGN TS-7

COLOR: BACKGROUND - WHITE (REFLECTORIZED) (\* A)  
 BORDER AND LETTERS - BLACK  
 SIZE: 72"x36"  
 LETTERING: 7" FEDERAL SERIES C  
 MOUNTING HOLES: 1/16" DIA., 4 HOLES SPACED AS SHOWN



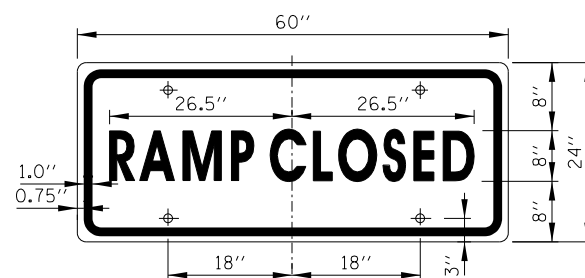
SIGN TS-9

COLOR: BACKGROUND - WHITE (REFLECTORIZED) (\* A)  
 BORDER AND LETTERS - BLACK  
 SIZE: 48"x60"  
 LETTERING: 10" FEDERAL SERIES C  
 MOUNTING HOLES: 1/16" DIA., 4 HOLES SPACED AS SHOWN



SIGN TS-10 (O)

COLOR: BACKGROUND - FLUORESCENT ORANGE (O)  
 BORDER AND LETTERS - BLACK  
 SIZE: 60"x48"  
 LETTERING: 8" FEDERAL SERIES C, 7" FEDERAL SERIES B  
 MOUNTING HOLES: 1/16" DIA., 4 HOLES SPACED AS SHOWN

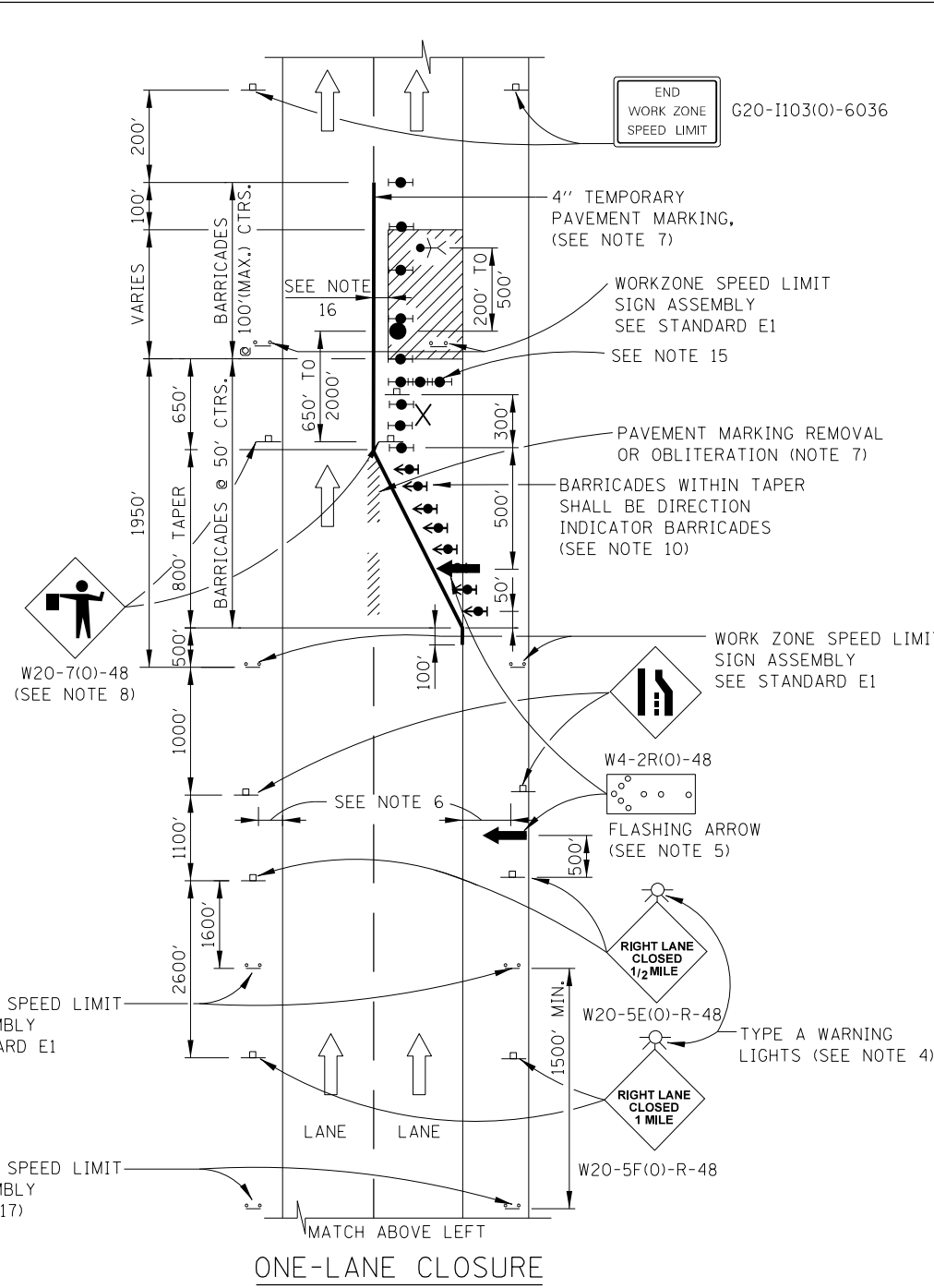
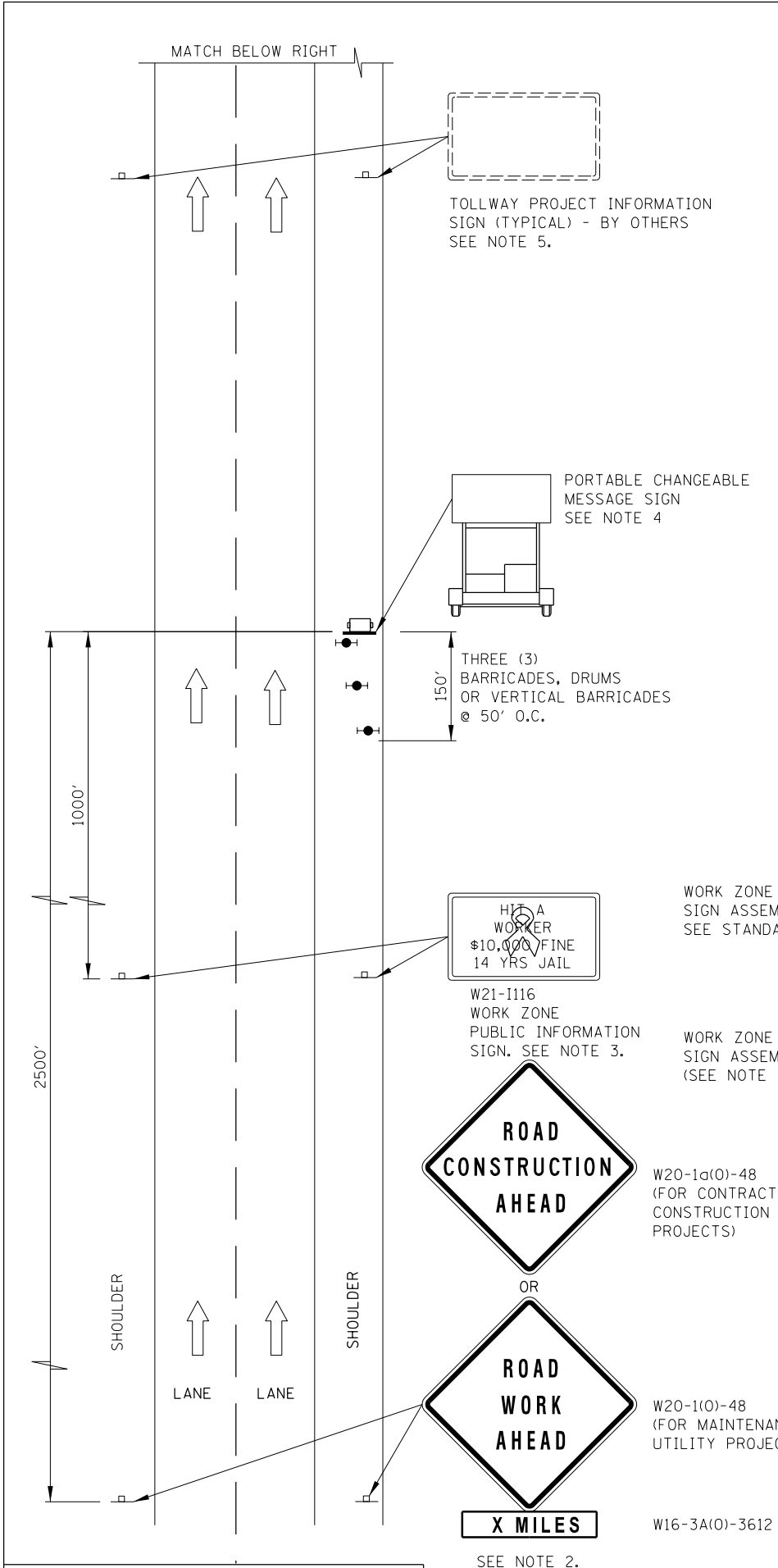


SIGN TS-6

COLOR: BACKGROUND - WHITE (REFLECTORIZED) (\* A)  
 BORDER AND LETTERS - BLACK  
 SIZE: 60"x24"  
 LETTERING: 8" FEDERAL SERIES C  
 MOUNTING HOLES: 1/16" DIA., 4 HOLES SPACED AS SHOWN

APPROVED *Paul Kovacs* CHIEF ENGINEER DATE 5-1-2009





**ADVANCE SIGNING NOTES:**

1. THE ADVANCE SIGNING SHOWN ON THIS STANDARD SHALL APPLY ANY TIME THE CONTRACTOR CLOSES ONE OR MORE LANES, OR IS REQUIRED TO SHIFT THE LANE ALIGNMENT. THE "ROAD WORK AHEAD" OR "ROAD CONSTRUCTION AHEAD" SIGNS, WORK ZONE PUBLIC INFORMATION SIGNS AND PORTABLE CHANGEABLE MESSAGE ARE STATIONARY.
2. THE ROAD CONSTRUCTION AHEAD SIGN (W20-1A, WITH W16-3a SUPPLEMENTAL PLATE) OR ROAD WORK AHEAD SIGN (W20-1, WITH W16-3A SUPPLEMENTAL PLATE) SHALL BE LOCATED UP TO 5 MILES IN ADVANCE OF THE PROJECT LIMITS, WITH THE LOCATION BEING DETERMINED BY THE ENGINEER.
3. THE WORK ZONE PUBLIC INFORMATION SIGN IS 60" WIDE BY 48" HIGH. THE CONTRACTOR SHALL OBTAIN THE CAMERA-READY ARTWORK REQUIRED FOR THE SIGN MESSAGE BY CONTACTING IDOT'S CENTRAL BUREAU OF OPERATIONS.
4. THE PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE USED TO DISPLAY THE STATUS OF LANE WITHIN THE CONTRACT LIMITS. THE PRIMARY MESSAGES SHALL BE: "RIGHT LANE(S) CLOSED" / "X MILES AHEAD", "LEFT LANE(S) CLOSED" / "X MILES AHEAD", "LANE(S) SHIFT" / "X MILES AHEAD", "ALL LANES OPEN". THE PORTABLE CHANGEABLE MESSAGE SIGN MAY BE MOVED TO THE MEDIAN SHOULDER WHEN THE LANE CLOSURES ARE ON THE LEFT, PROVIDED THE EXISTING SHOULDER WIDTH IS ADEQUATE.
5. THE TOLLWAY WILL FURNISH AND INSTALL STATIC PROJECT INFORMATION SIGNS IN ADVANCE, THROUGH AND AT THE END OF THE WORK ZONE. THESE SIGNS WILL BE INSTALLED ALONG THE OUTSIDE SHOULDER WITH THE ADVANCE SIGNS LOCATED BEYOND THE PORTABLE CHANGEABLE MESSAGE SIGN. THE ENGINEER AND CONTRACTOR SHALL COORDINATE WITH THE TOLLWAY REGARDING THE LOCATION OF THESE SIGNS AND NOTIFY THE TOLLWAY OF ANY DAMAGE TO THE SIGNS OR SUPPORTS.

**LANE CLOSURE NOTES:**

1. IF CLOSURES ARE EXPECTED TO PRODUCE TRAFFIC BACKUPS EXTENDING BEYOND THE FIRST WARNING SIGN SHOWN ON THE DETAILS, ADDITIONAL UPSTREAM SIGNS SHALL BE PLACED SO THAT THE TRAFFIC CONTROL ZONE ENCOMPASSES THE ANTICIPATED BACKUP ZONE.
2. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
3. THESE DETAILS ALSO APPLY TO OPPOSITE HAND LANE CLOSURES BY CHANGING SIGN LEGENDS AND ARROW DIRECTIONS TO INDICATE THE APPROPRIATE CLOSURE.
4. FOR NIGHT TIME CLOSURES, ONE TYPE A WARNING LIGHT SHALL BE INSTALLED ABOVE EACH OF THE 1 MILE AND 1/2 MILE ADVANCE WARNING SIGNS. FOR DAYLIGHT-ONLY CLOSURES, THE LIGHTS MAY BE OMITTED.
5. FOR ANY LANE CLOSURE, FLASHING ARROW BOARDS SHALL BE REQUIRED AND IN OPERATION AT ALL TIMES. THE FLASHING ARROW BOARD IN ADVANCE OF THE TAPER SHALL BE PROTECTED WITH THREE TYPE II BARRICADES AT 50' O.C.
6. CONSTRUCTION SIGNS SHALL GENERALLY BE POST-MOUNTED OR ATTACHED TO PORTABLE SUPPORTS AND SHALL BE INSTALLED 8' TO 12' FROM ADJACENT TRAVEL LANE WHEREVER POSSIBLE. IN NO CASE SHALL SIGNS BE LOCATED TO PROVIDE LESS THAN 2' CLEARANCE BETWEEN EDGE OF SIGN AND ADJACENT TRAVEL LANE.
7. PAVEMENT MARKING TAPE AND REMOVAL OR OBLITERATION OF EXISTING MARKINGS SHALL BE REQUIRED WHEN THE CLOSURE TIME EXCEEDS FOUR DAYS. THIS WORK SHALL BE MEASURED AND PAID FOR SEPARATELY.
8. WHEN A FLAGGER IS NOT ON STATION, THE FLAGGER SIGN SHALL BE PROMPTLY REMOVED, COVERED OR TURNED TO FACE AWAY FROM TRAFFIC. FLAGGER SIGNS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED SPACING BETWEEN THE SIGNS AND THE WORKERS IN EACH SEPARATE WORK ACTIVITY, PER THE TOLLWAY SUPPLEMENTAL SPECIFICATIONS.
9. WORK ZONE SPEED LIMIT SIGN ASSEMBLIES, SHALL BE PLACED ADJACENT TO THE OPEN TRAFFIC LANE(S). WORK ZONE SPEED SIGNS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED SPACING BETWEEN SIGNS AND THE WORKERS IN EACH SEPARATE WORK ACTIVITY PER THE TOLLWAY SUPPLEMENTAL SPECIFICATIONS.
10. DIRECTION INDICATOR BARRICADES SHALL BE USED IN LANE TAPERS.
11. FOR CLOSURES OTHER THAN SHORT TERM (SUNRISE TO ONE HOUR BEFORE SUNSET), THE MINIMUM HEIGHT OF THE SIGN FROM SHOULDER ELEVATION SHALL BE 7'-0".
12. CONES MAY BE USED IN LIEU OF BARRICADES IN THE BUFFER AND WORK AREAS, WHEN THE CLOSURE IS FOR MAINTENANCE OPERATIONS.
13. BARRICADES ARE TO BE LOCATED AT JOINT LINE WHEN WORK AREA EXTENDS UP TO JOINT UNLESS OTHERWISE SHOWN ON THE PLANS.
14. SEE MAINTENANCE OF TRAFFIC DRAWINGS FOR ADDITIONAL SIGNING IN THIS AREA.
15. CHECK BARRICADES SHALL BE PLACED IN THE MIDDLE OF THE CLOSED LANE AND AT THE SHOULDER AT 1000 FOOT CENTERS.
16. A 1'-0" MINIMUM/2'-0" DESIRABLE SHY DISTANCE SHALL BE PROVIDED, MEASURED BETWEEN EDGE OF PAVEMENT LANE MARKING TO THE EDGE OF THE TRAFFIC CONTROL DEVICE.
17. ADDITIONAL WORK ZONE SPEED LIMIT SIGNS SHALL BE PLACED WHEN DIFFERENCE BETWEEN POSTED TO WORK ZONE SPEED LIMIT IS > 20 M.P.H.

**SYMBOLS**

- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- FLAGGER WITH TRAFFIC CONTROL SIGN
- ⋈ WORKER
- X LANE CLOSED

APPROVED: *Paul Kovacs* CHIEF ENGINEER DATE 5-1-2009

| DATE      | REVISIONS   |
|-----------|---|
| 01-01-11  | CHANGED SYMBOL DESIGNATION, REVISED NOTES                 |
| 11-01-12  | ADDED THREE LANE CLOSURE                                  |
| 03-31-14  | REVISED BUFFER SPACE, TAPER DIMENSIONS AND REVISED NOTES. |
| 3-11-2015 | REVISED NOTES.  |

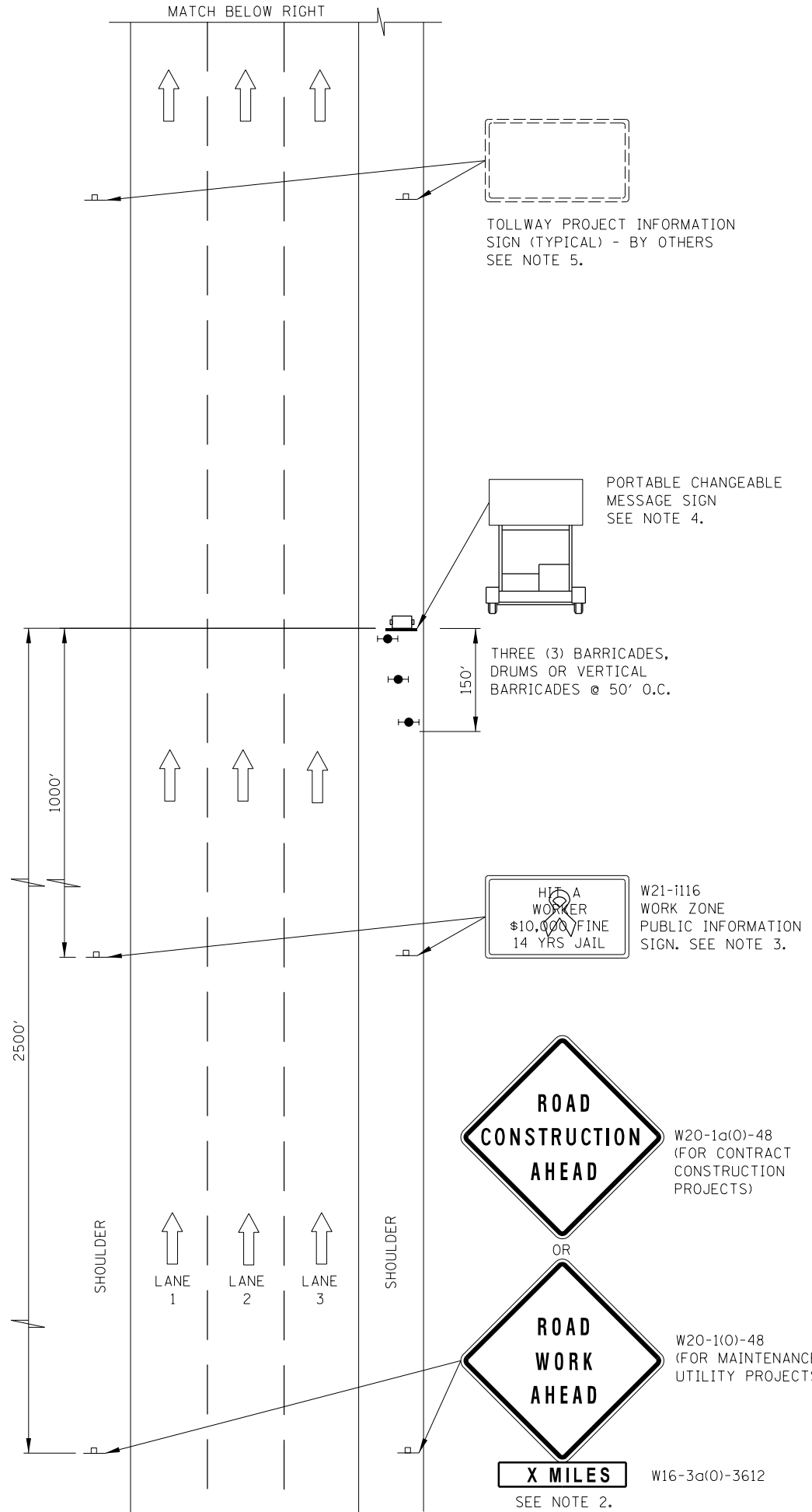
SHEET 1 OF 3

LANE CLOSURE DETAILS

STANDARD E2-05

Sheet 51 of 82

MATCH BELOW RIGHT



TOLLWAY PROJECT INFORMATION SIGN (TYPICAL) - BY OTHERS SEE NOTE 5.

PORTABLE CHANGEABLE MESSAGE SIGN SEE NOTE 4.

THREE (3) BARRICADES, DRUMS OR VERTICAL BARRICADES @ 50' O.C.

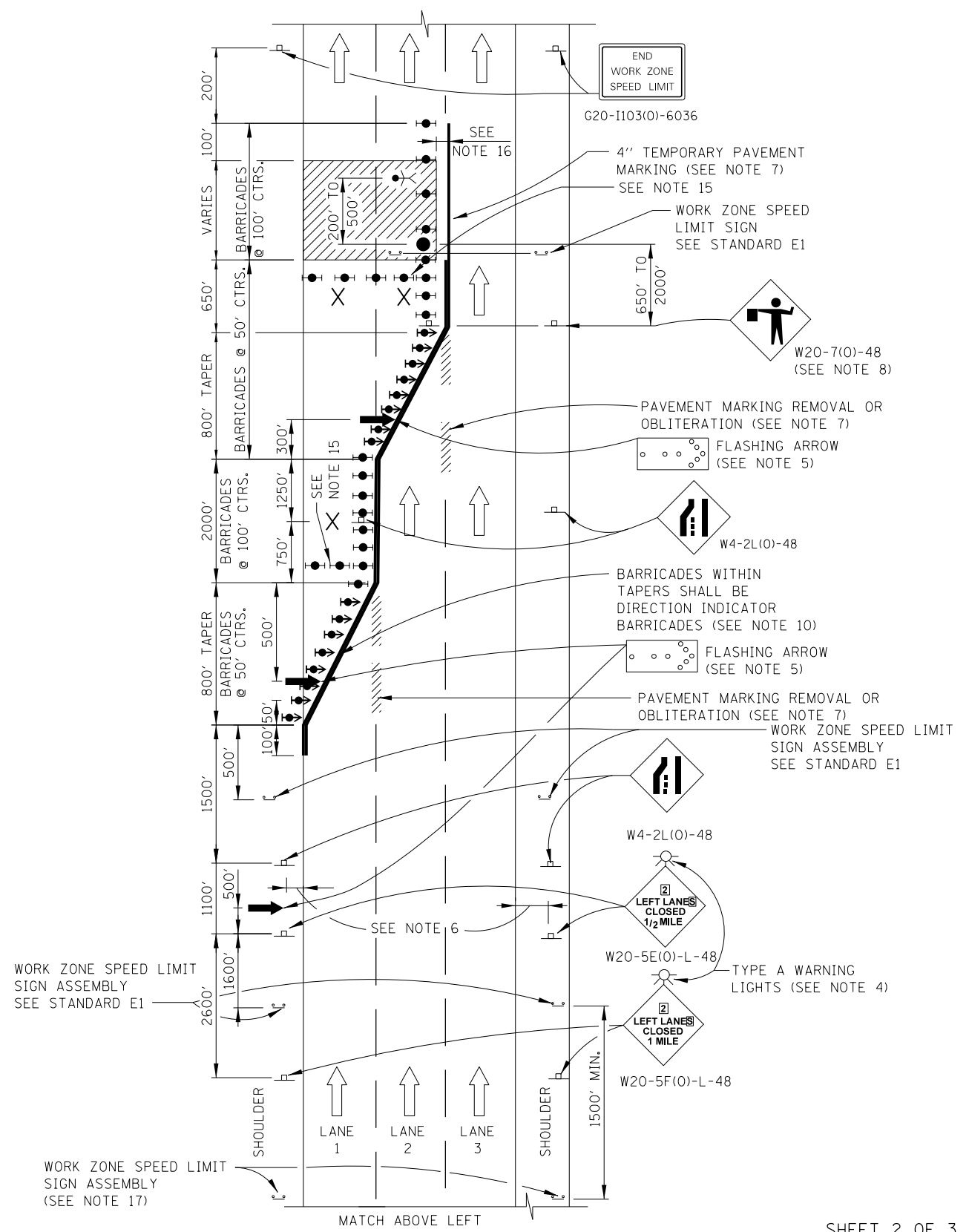
W21-1116 WORK ZONE PUBLIC INFORMATION SIGN. SEE NOTE 3.

ROAD CONSTRUCTION AHEAD OR ROAD WORK AHEAD

X MILES SEE NOTE 2.

SYMBOLS

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- FLAGGER WITH TRAFFIC CONTROL SIGN
- WORKER
- LANE CLOSED



WORK ZONE SPEED LIMIT SIGN ASSEMBLY SEE STANDARD E1

WORK ZONE SPEED LIMIT SIGN ASSEMBLY (SEE NOTE 17)

W20-1a(0)-48 (FOR CONTRACT CONSTRUCTION PROJECTS)

W20-1(0)-48 (FOR MAINTENANCE AND UTILITY PROJECTS)

W16-3a(0)-3612

END WORK ZONE SPEED LIMIT G20-1103(0)-6036

4" TEMPORARY PAVEMENT MARKING (SEE NOTE 7) SEE NOTE 15

WORK ZONE SPEED LIMIT SIGN SEE STANDARD E1

W20-7(0)-48 (SEE NOTE 8)

PAVEMENT MARKING REMOVAL OR OBLITERATION (SEE NOTE 7) FLASHING ARROW (SEE NOTE 5)

W4-2L(0)-48

BARRICADES WITHIN TAPERS SHALL BE DIRECTION INDICATOR BARRICADES (SEE NOTE 10)

FLASHING ARROW (SEE NOTE 5)

PAVEMENT MARKING REMOVAL OR OBLITERATION (SEE NOTE 7) WORK ZONE SPEED LIMIT SIGN ASSEMBLY SEE STANDARD E1

W4-2L(0)-48

LEFT LANES CLOSED 1/2 MILE

W20-5E(0)-L-48 TYPE A WARNING LIGHTS (SEE NOTE 4)

LEFT LANES CLOSED 1 MILE W20-5F(0)-L-48

SHEET 2 OF 3



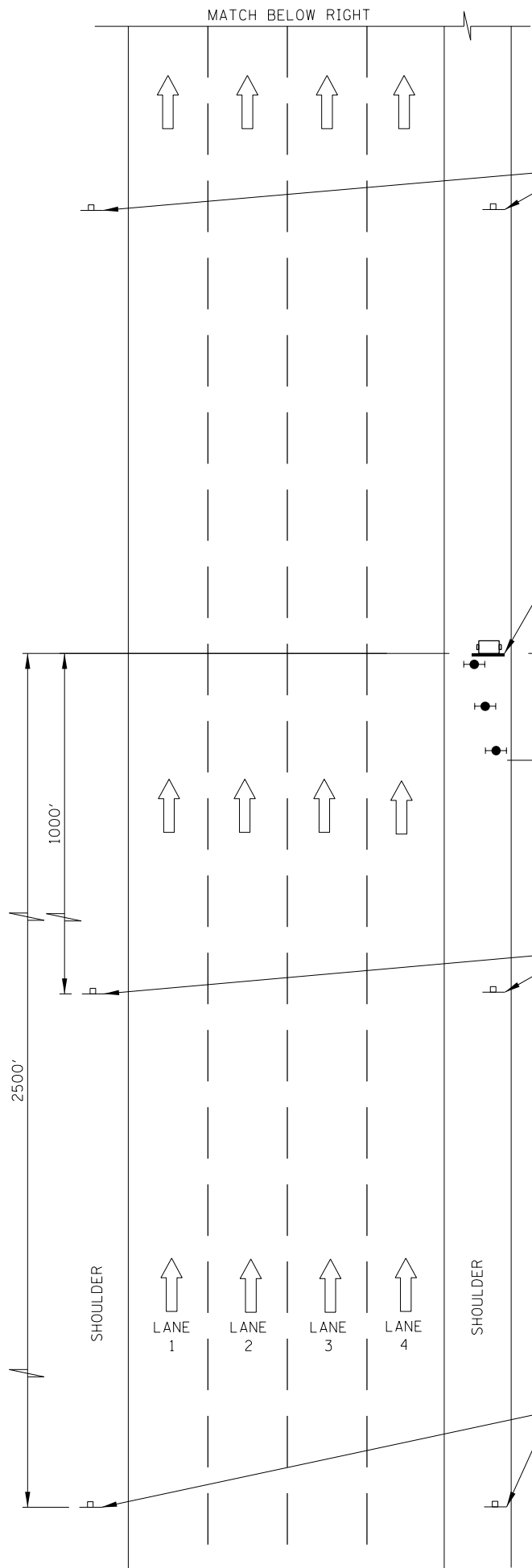
LANE CLOSURE DETAILS

STANDARD E2-05

Sheet 52 of 82

APPROVED *Paul Kovacs* CHIEF ENGINEER DATE 5-1-2009

SEE SHEET 1 IN THIS SERIES FOR GENERAL NOTES



TOLLWAY PROJECT INFORMATION SIGN (TYPICAL) - BY OTHERS SEE NOTE 5.

PORTABLE CHANGEABLE MESSAGE SIGN SEE NOTE 4.

THREE (3) BARRICADES, DRUMS OR VERTICAL BARRICADES @ 50' O.C.

W21-1116 WORK ZONE PUBLIC INFORMATION SIGN, SEE NOTE 3.

ROAD CONSTRUCTION AHEAD

W20-1a(0)-48 (FOR CONTRACT CONSTRUCTION PROJECTS)

ROAD WORK AHEAD

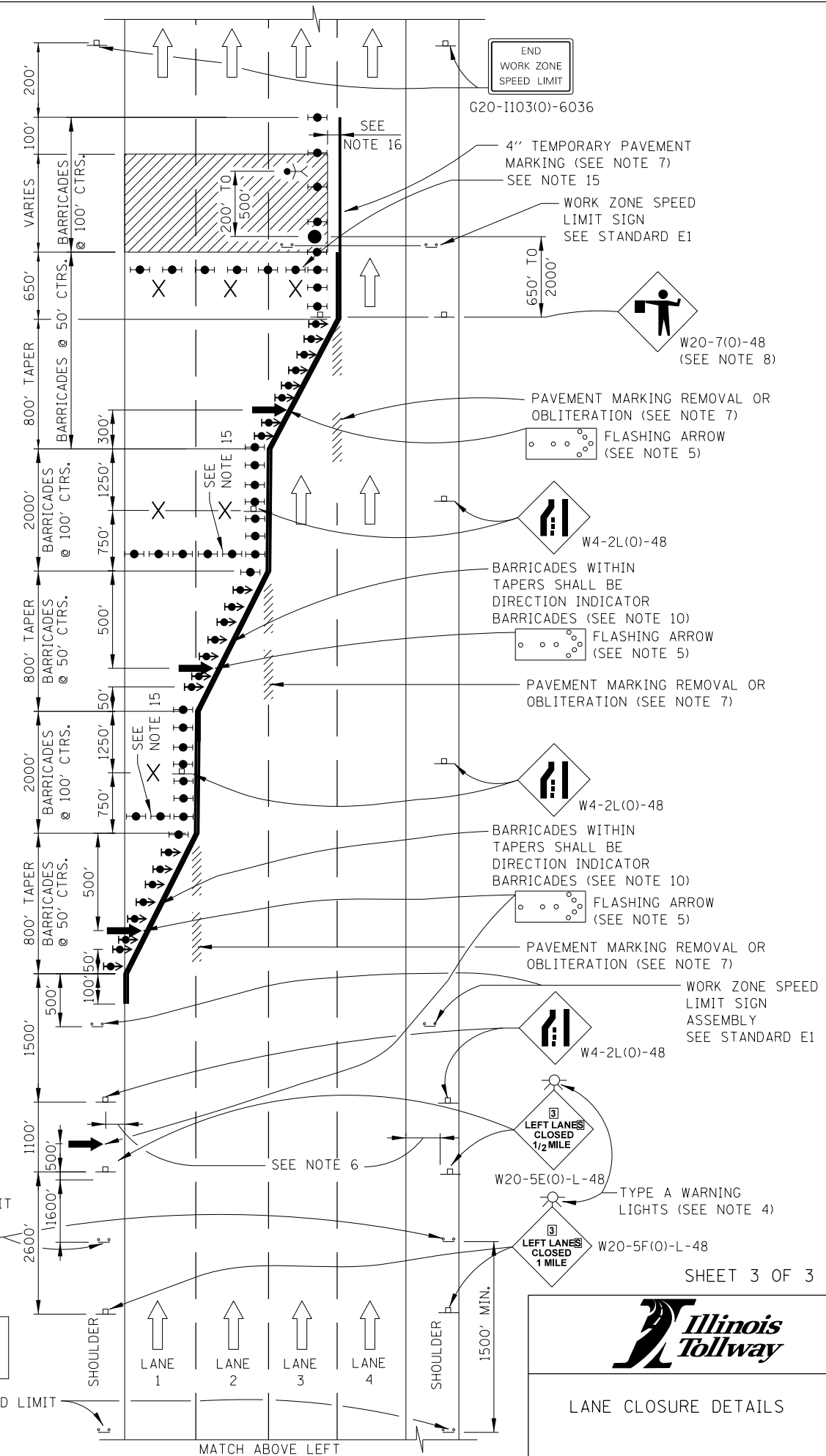
W20-1(0)-48 (FOR MAINTENANCE AND UTILITY PROJECTS)

X MILES SEE NOTE 2.

SEE SHEET 1 IN THIS SERIES FOR GENERAL NOTES

WORK ZONE SPEED LIMIT SIGN ASSEMBLY (SEE NOTE 17)

- SYMBOLS**
- ARROW BOARD
  - WORK AREA
  - SIGN
  - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
  - TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
  - FLAGGER WITH TRAFFIC CONTROL SIGN
  - WORKER
  - LANE CLOSED



END WORK ZONE SPEED LIMIT  
G20-1103(0)-6036

4" TEMPORARY PAVEMENT MARKING (SEE NOTE 7) SEE NOTE 15

WORK ZONE SPEED LIMIT SIGN SEE STANDARD E1

W20-7(0)-48 (SEE NOTE 8)

PAVEMENT MARKING REMOVAL OR OBLITERATION (SEE NOTE 7)  
FLASHING ARROW (SEE NOTE 5)

W4-2L(0)-48

BARRICADES WITHIN TAPERS SHALL BE DIRECTION INDICATOR BARRICADES (SEE NOTE 10)

FLASHING ARROW (SEE NOTE 5)

PAVEMENT MARKING REMOVAL OR OBLITERATION (SEE NOTE 7)

W4-2L(0)-48

BARRICADES WITHIN TAPERS SHALL BE DIRECTION INDICATOR BARRICADES (SEE NOTE 10)

FLASHING ARROW (SEE NOTE 5)

PAVEMENT MARKING REMOVAL OR OBLITERATION (SEE NOTE 7)

W4-2L(0)-48

WORK ZONE SPEED LIMIT SIGN ASSEMBLY SEE STANDARD E1

W20-5E(0)-L-48

TYPE A WARNING LIGHTS (SEE NOTE 4)

W20-5F(0)-L-48

SHEET 3 OF 3

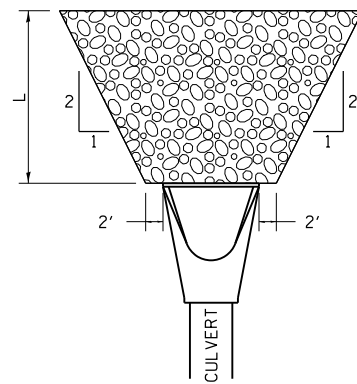
LANE CLOSURE DETAILS

STANDARD E2-05

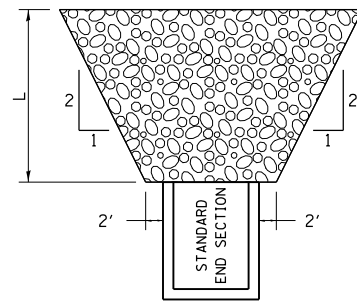
Sheet 53 of 82

APPROVED: *Paul Kovacs* CHIEF ENGINEER DATE 5-1-2009

# RIPRAP AT END SECTIONS



FLARED END SECTION



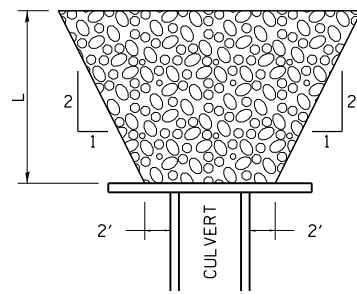
STANDARD END SECTION

REVISED - 11-12-14  
2-10-14

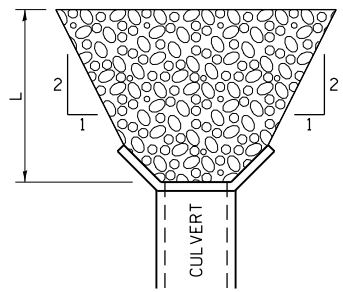
THE LENGTH OF RIPRAP (L) IS TO BE THREE (3) TIMES THE 10 YEAR CULVERT OUTLET VELOCITY, FROM THE WATERWAY INFORMATION TABLE (WIT).

IF THE CULVERT OUTLETS INTO A DEFINED CHANNEL, RIPRAP BANK TO BANK FOR LENGTH (L).

STANDARD END SECTION:  
542001 (PIPE), 542011 (ELLIPTICAL)  
DISTRICT STANDARD 10.1 (BOX).



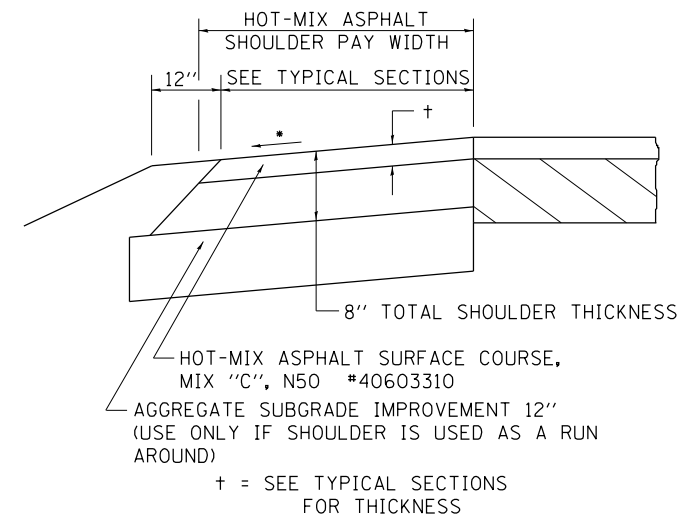
CULVERT WITH HEADWALL



CULVERT WITH WING WALLS

RIPRAP AT END SECTIONS 19.4

# HOT-MIX ASPHALT SHOULDER



REVISED - 3-13-13

## GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

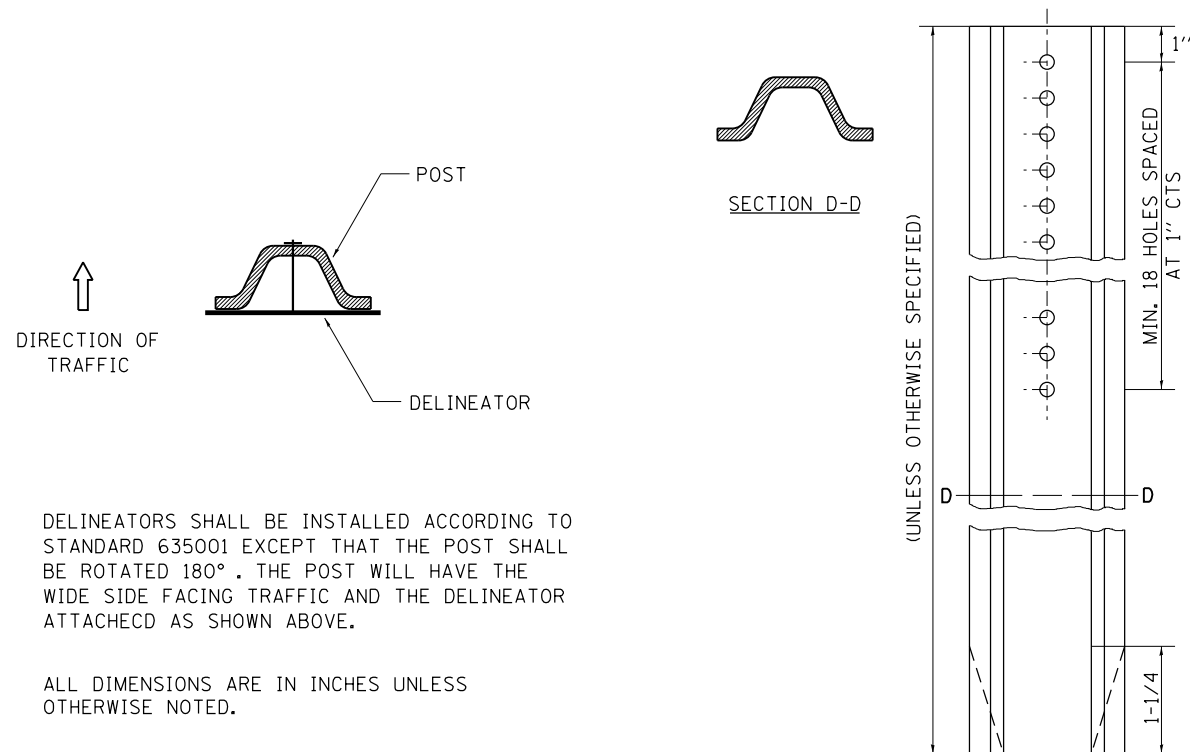
USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS, THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310.

REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

\* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

HOT-MIX ASPHALT SHOULDER 23.4a

# DELINEATOR AND POST ORIENTATION



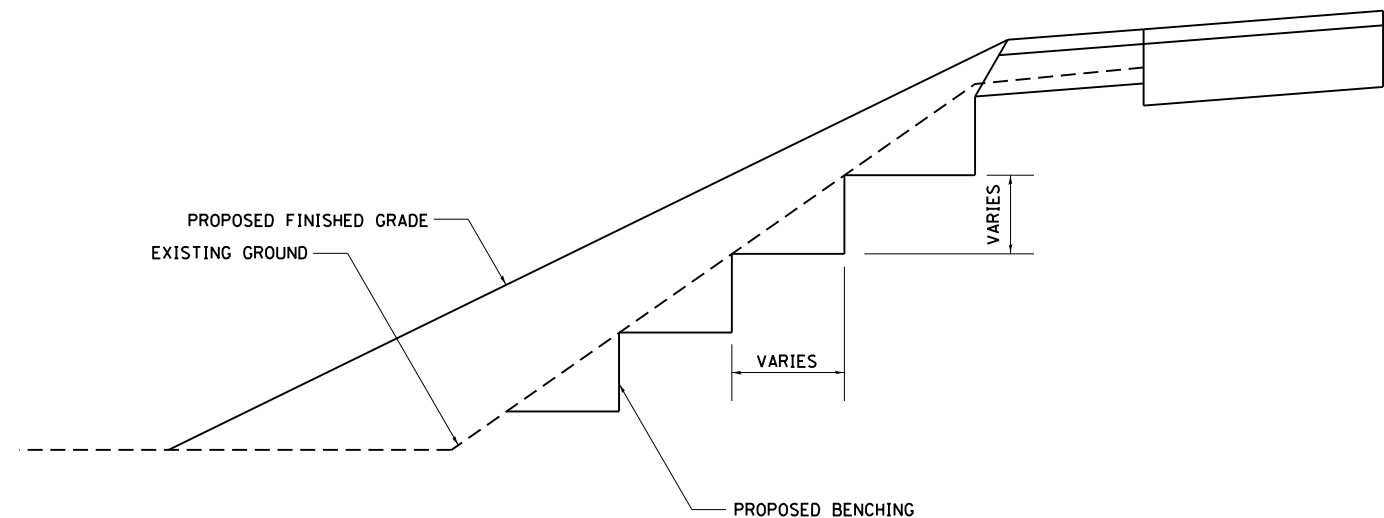
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

DELINEATOR AND POST ORIENTATION 37.4

# TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06  
REVISED -  
REVISED -  
REVISED -

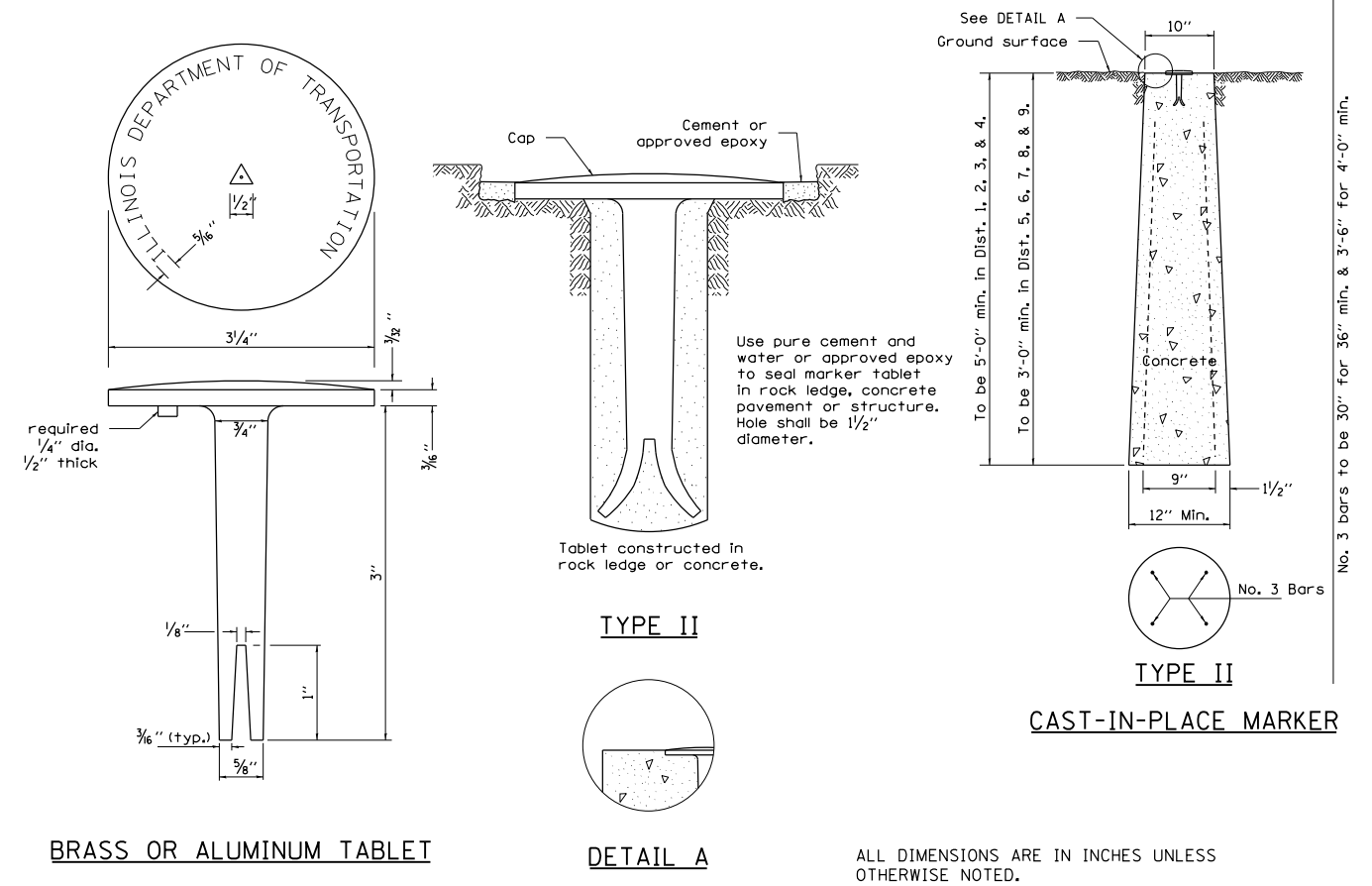
REGION 2 / DISTRICT 2 STANDARD

SCALE: 100.0000' / 1" SHEET NO. OF SHEETS STA. TO STA.

| F.A.I. RTE.                                   | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|------------|--------|--------------|-----------|
| 39  | (141-1)M-4 | OGLE   | 82           | 54        |
| CONTRACT NO. 64L03                            |            |        |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |            |        |              |           |

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

# PERMANENT SURVEY MARKERS, TYPE II

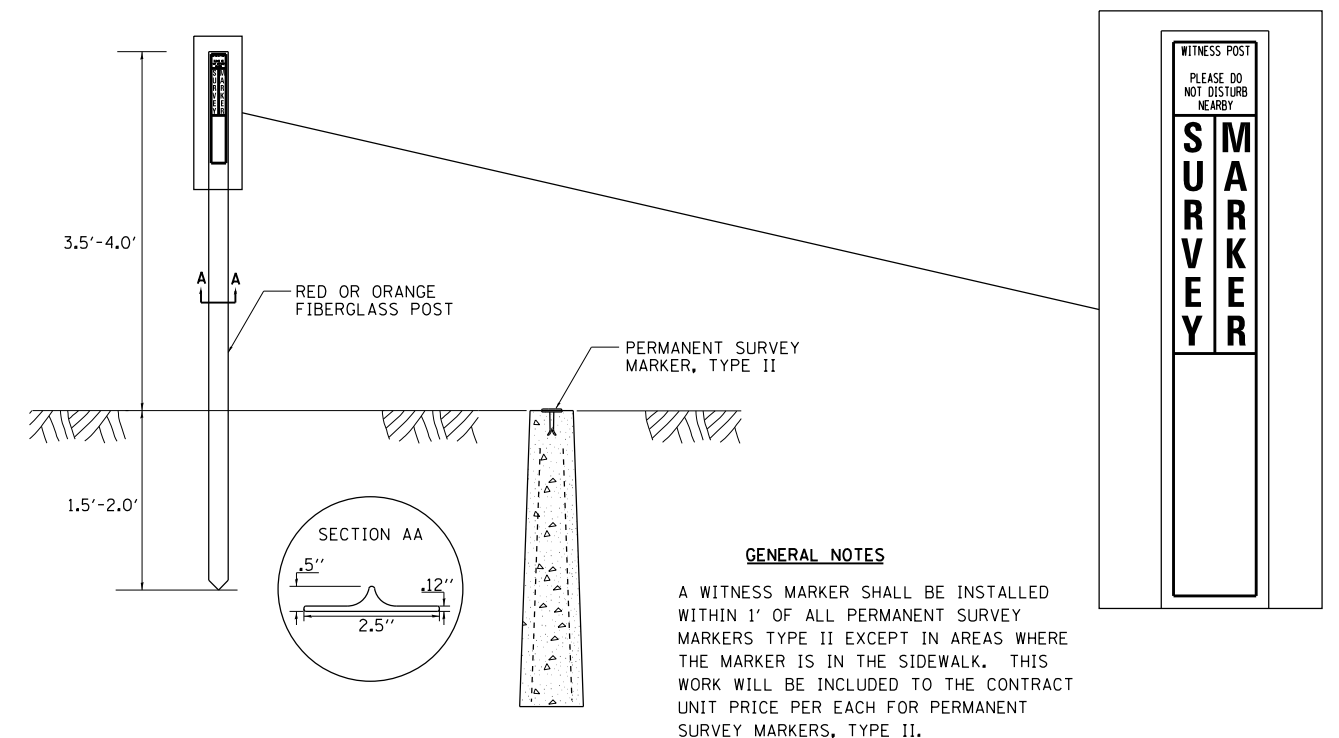


BRASS OR ALUMINUM TABLET

DETAIL A

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

# WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



**GENERAL NOTES**

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

|                  |                                |                              |            |           |                    |           |
|------------------|--------------------------------|------------------------------|------------|-----------|--------------------|-----------|
| REVISED 6-27-14  | REGION 2 / DISTRICT 2 STANDARD | F.A.I. RTE.                  | SECTION    | COUNTY    | TOTAL SHEETS       | SHEET NO. |
| REVISED 10-14-11 |                                | 39                           | (141-1)M-4 | OGLE      | 82                 | 55        |
| REVISED -        |                                |                              |            |           | CONTRACT NO. 64L03 |           |
| REVISED -        |                                | SCALE: 100.0000' / 1" = 100' | SHEET NO.  | OF SHEETS | STA.               | TO STA.   |

# CONCRETE COLLARS FOR PIPE OR BOX CULVERT EXTENSIONS

## Bill of Materials

| h BAR              | U BAR DIMENSIONS |       |        | U <sub>1</sub> BAR DIMENSIONS |          |   | REINF. BARS | EXPANSION BOLTS | CONCRETE COLLAR |        |        |          |
|--------------------|------------------|-------|--------|-------------------------------|----------|---|-------------|-----------------|-----------------|--------|--------|----------|
|                    | Quantity         | X     | Y      | Length                        | Quantity | X |             |                 |                 | Z      | Length | Quantity |
| 20                 | 4'-8"            | 3'-0" | 10'-8" | 4                             |          |   |             |                 | 48.54           | 4      | 1.1    |          |
| 20                 | 4'-8"            | 3'-0" | 10'-8" | 4                             |          |   |             |                 | 48.54           | 4      | 1.1    |          |
| 16                 | 4'-1"            | 2'-9" | 9'-7"  | 4                             |          |   |             |                 | 41.64           | 4      | 0.9    |          |
| 16                 | 4'-1"            | 2'-9" | 9'-7"  | 4                             |          |   |             |                 | 41.64           | 4      | 0.9    |          |
| 12                 | 2'-11"           | 2'-2" | 7'-3"  | 4                             |          |   |             |                 | 31.39           | 2      | 0.6    |          |
| 24                 | 6'-10"           | 3'-2" | 13'-2" | 4                             |          |   |             |                 | 59.23           | 8      | 1.5    |          |
| All h Bars 18 Long |                  |       |        |                               |          |   |             |                 | Total           | 270.98 | 26     | 6.1      |

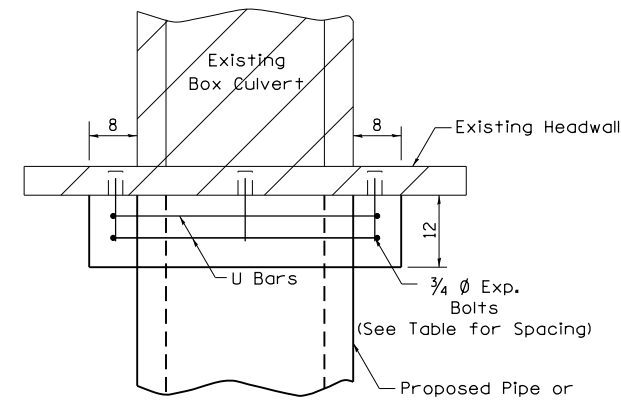
## General Notes

Concrete Collars shall be constructed of Class SI Concrete in accordance with Section 503 of the Standard Specifications

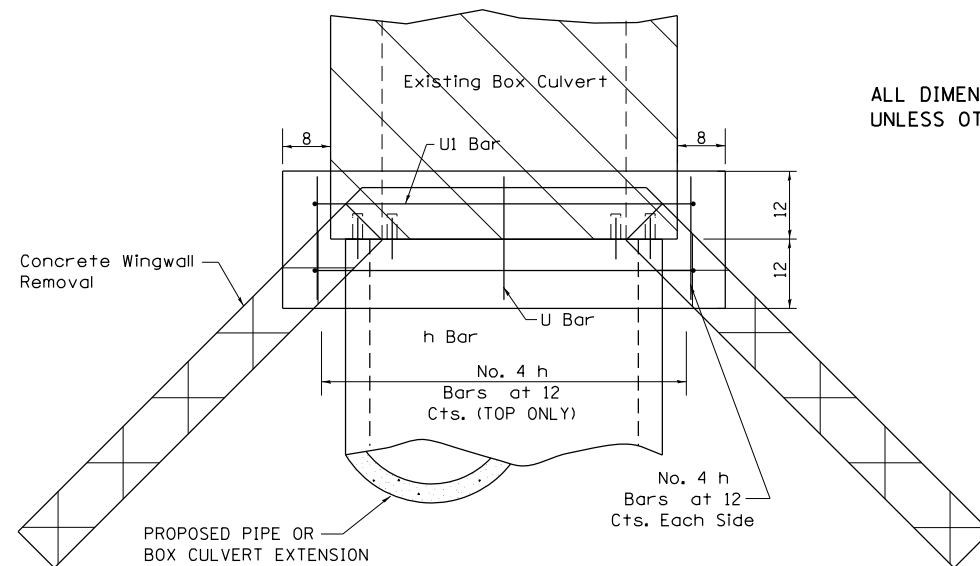
Reinforcement bars shall conform to Section 508 of the Standard Specifications.

Expansion bolts shall conform to Section 540 of the Standard Specifications.

The concrete will be paid for at the contract unit price per cubic yard for CONCRETE COLLAR. Reinforcement will be paid for at the contract unit price per pound for REINFORCEMENT BARS. Expansion Bolts, when required, will be paid for at the contract unit price each for EXPANSION BOLTS of the size indicated, which price shall include furnishing, drilling holes, and installing the expansion bolts complete in place. These bolts shall extend at least 8 inches into the new concrete.

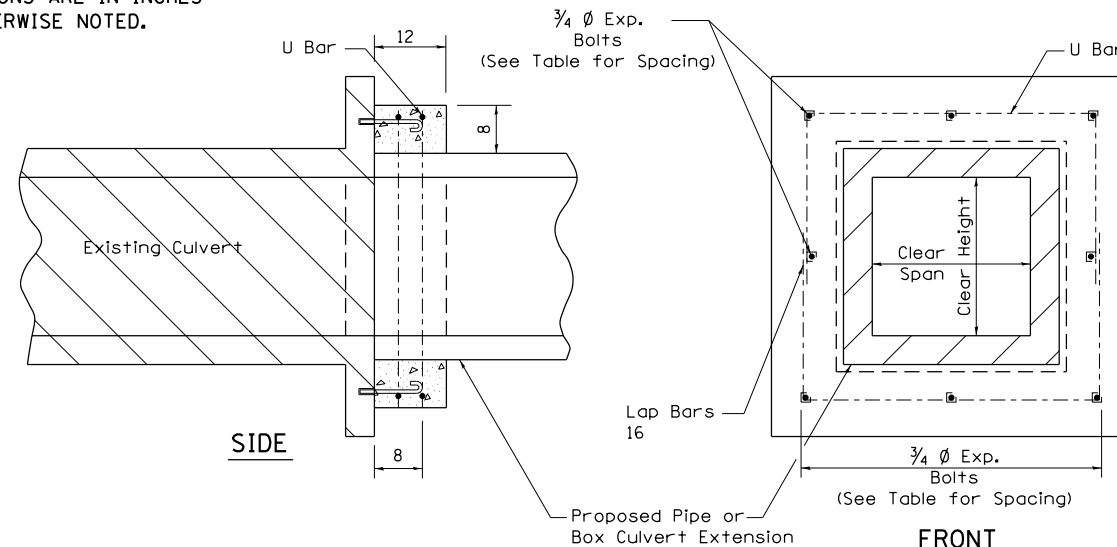


PLAN OF CULVERT WITH STRAIGHT HEADWALL



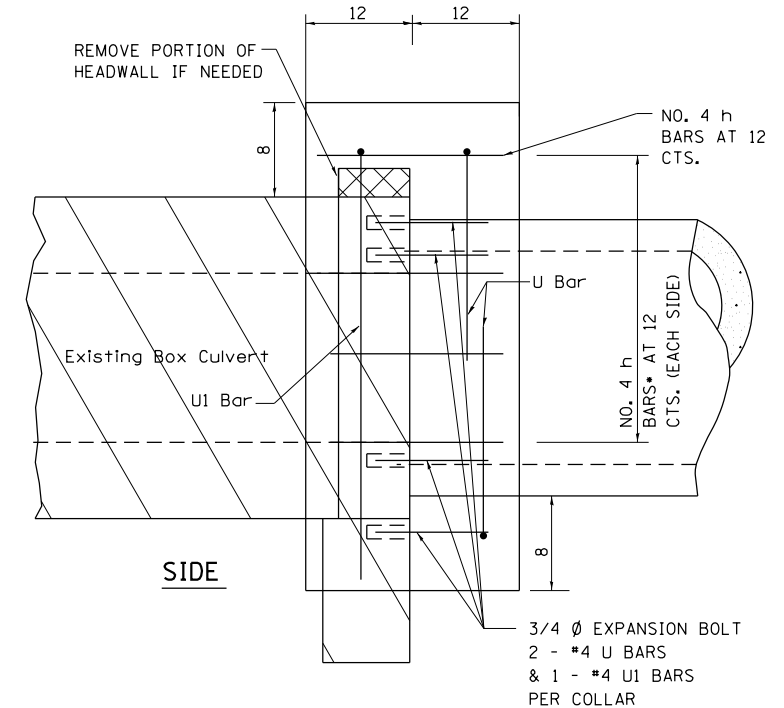
PLAN OF CULVERT WITH ANGLED WING WALLS

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



SIDE

FRONT

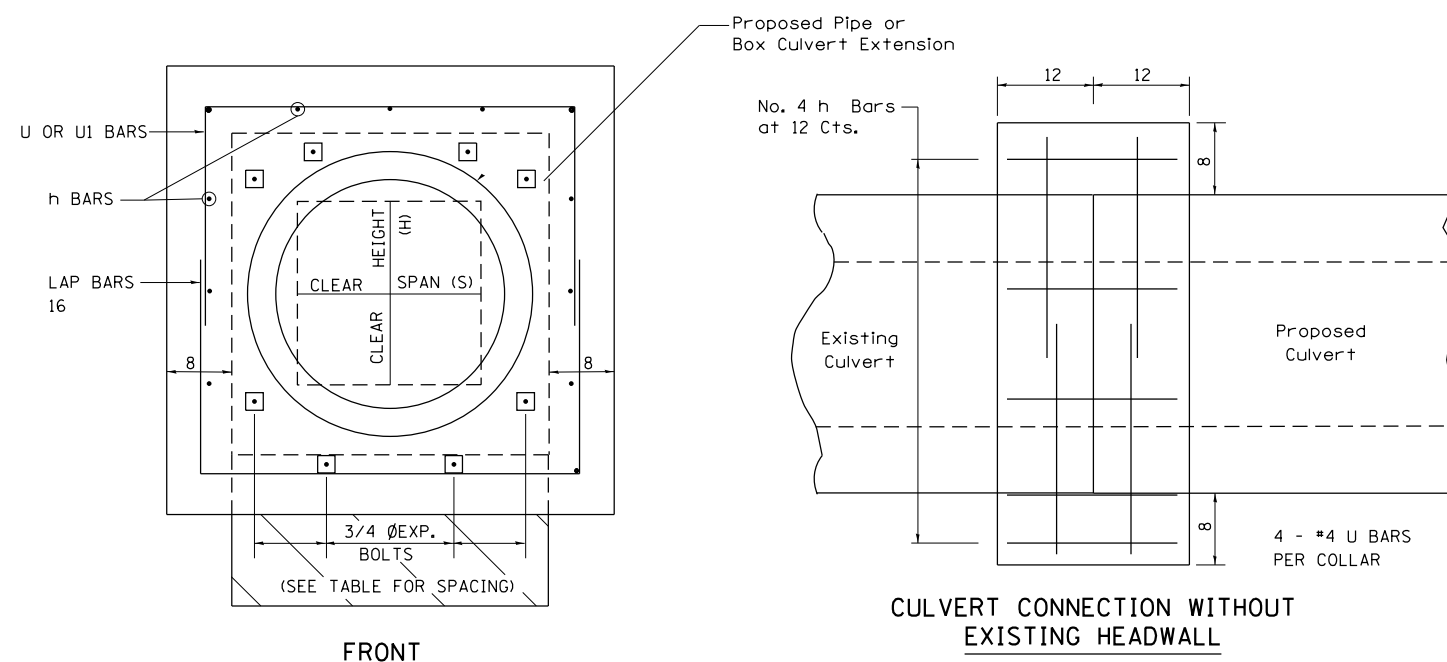


SIDE

PLACEMENT DETAILS FOR EXPANSION BOLTS

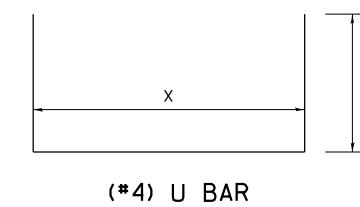
| H OR S | NUMBER OF EXPANSION BOLTS REQUIRED PER SIDE |         |                  |         |
|--------|---|---------|------------------|---------|
|        | EXTENSIONS < 15'                            |         | EXTENSIONS > 15' |         |
|        | NUMBER                                      | SPACING | NUMBER           | SPACING |
| 24     | *   |         | *                |         |
| 30     | 2   | 18      | 2                | 18      |
| 36     | 2   | 24      | 2                | 24      |
| 48     | 3   | 18      | 3                | 18      |
| 60     | 4   | 16      | 3                | 24      |
| 72     | 5   | 15      | 4                | 20      |
| 84     | 5   | 18      | 4                | 24      |
| 96     | 6   | 15      | 5                | 21      |
| 108    | 6   | 19      | 5                | 24      |
| 120    | 7   | 18      | 6                | 21      |
| 132    | 8   | 17      | 6                | 24      |
| 144    | 8   | 19      | 7                | 22      |

\* MINIMUM ONE PER SIDE

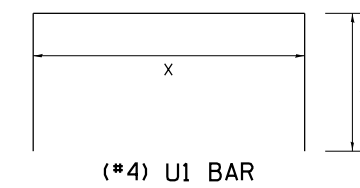


FRONT

CULVERT CONNECTION WITHOUT EXISTING HEADWALL



(\*4) U BAR



(\*4) U1 BAR

|   |                      |            |                    |
|---|----------------------|------------|--------------------|
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|   |                      | DATE -     | REVISED - 10-17-11 |
|   |                      |            | REVISED -          |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

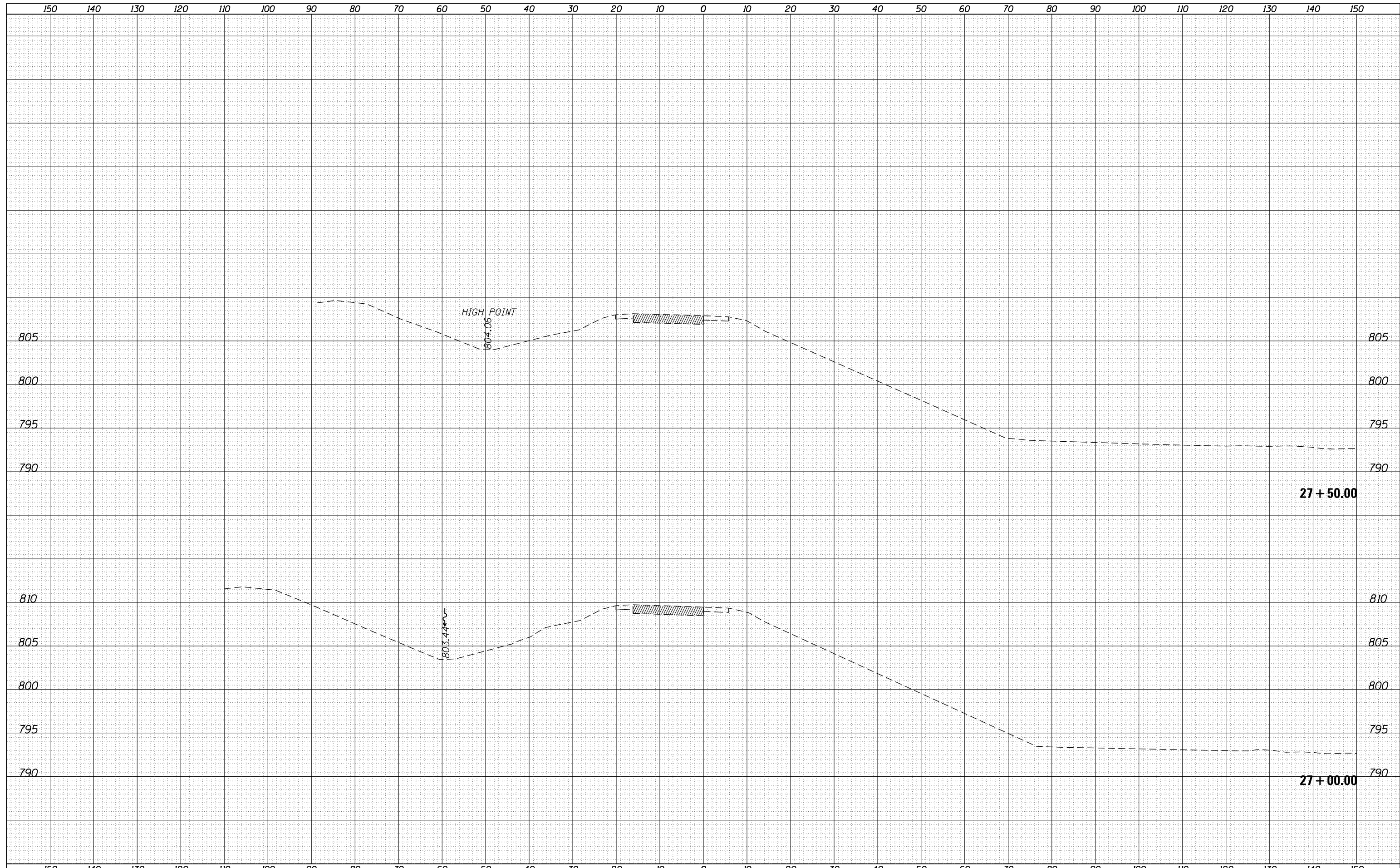
SCALE: SHEET NO. OF SHEETS STA. TO STA.

|   |            |        |                    |           |
|---|------------|--------|--------------------|-----------|
| F.A.I. RTE.                                   | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 39  | (141-11M-4 | OGLE   | 82                 | 56        |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 64L03 |           |



|                            |  |
|----------------------------|--|
| DATE                       |  |
| BY                         |  |
| SURVEYED                   |  |
| PLOTTED                    |  |
| TEMPLATE                   |  |
| AREAS                      |  |
| CHECKED                    |  |
| FINAL SURVEY NOTE BOOK NO. |  |

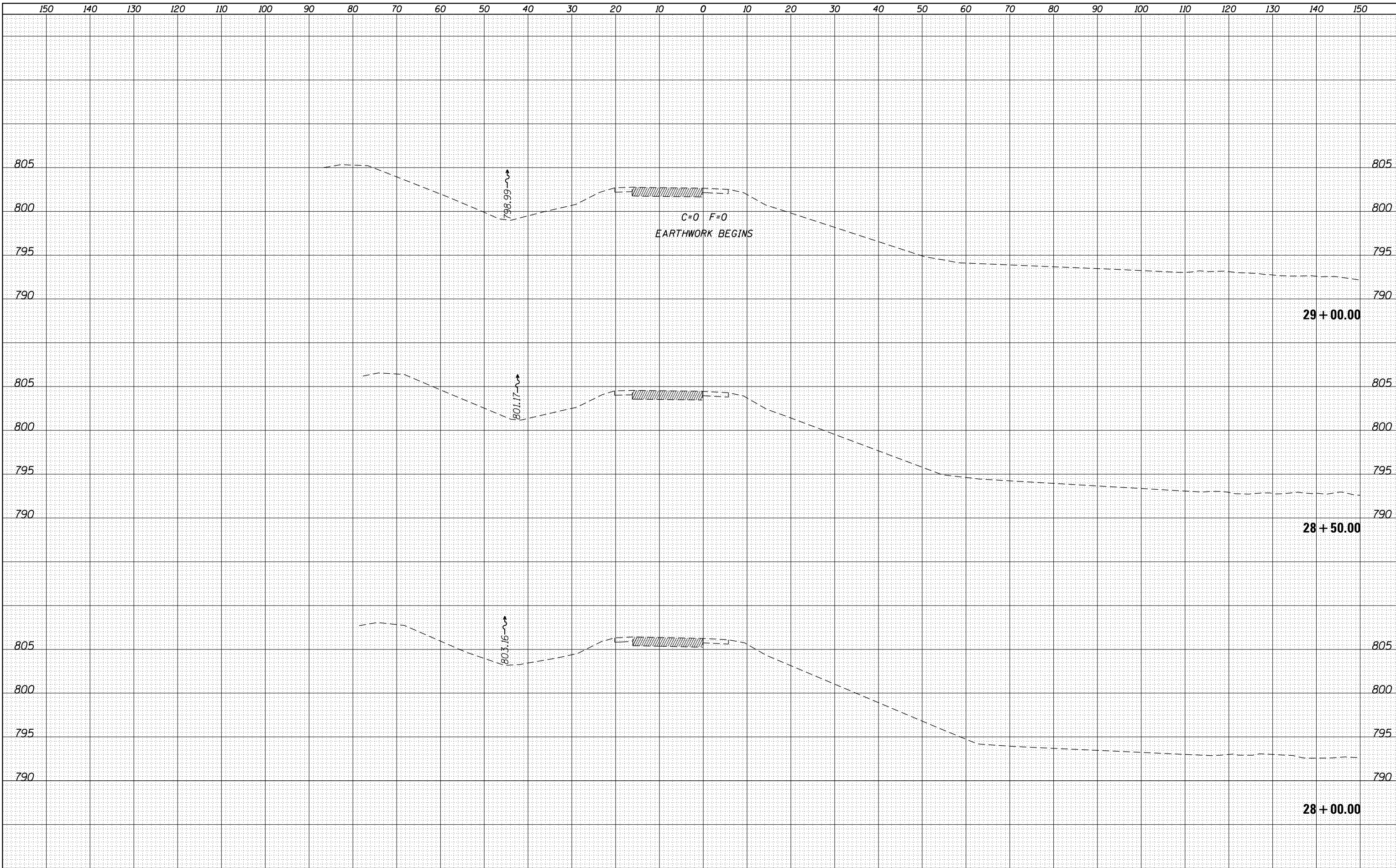
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|-------------------------------|--|
| DATE                          |  |
| BY                            |  |
| SURVEYED                      |  |
| PLOTTED                       |  |
| TEMPLATE                      |  |
| AREAS                         |  |
| CHECKED                       |  |
| ORIGINAL SURVEY NOTE BOOK NO. |  |



|   |                      |            |                           |   |   |            |        |               |                  |                    |              |           |
|---|----------------------|------------|---------------------------|---|---|------------|--------|---------------|------------------|--------------------|--------------|-----------|
| FILE NAME =   | USER NAME = ankneyde | DESIGNED - | REVISED -                 | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>RAMP H, I-39(SB)/I-88(WB) INTERCHANGE</b><br><b>CROSS SECTIONS</b> |            |        | F.A. I        | SECTION          | COUNTY             | TOTAL SHEETS | SHEET NO. |
| p:\11084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\202614\CADD\DRAWINGS\Drawings\202614-sh1-xmsh.dgn |                      | DRAWN      | REVISED -                 |   | 39  | (141-11M-4 | OGLE   | 82            | 57               |                    |              |           |
| PLOT SCALE = 20.0000' / in.   | CHECKED -            | REVISED -  | SCALE:                    |   | SHEET   | OF         | SHEETS | STA. 27+00.00 | TO STA. 27+50.00 | CONTRACT NO. 64L03 |              |           |
| PLOT DATE = May-31-2016 01:49:35 PM   | DATE -               | REVISED -  | ILLINOIS FED. AID PROJECT |   |   |            |        |               |                  |                    |              |           |

|              |
|--------------|
| DATE         |
| BY           |
| SURVEYED     |
| PLOTTED      |
| TEMPLATE     |
| AREAS        |
| CHECKED      |
| FINAL SURVEY |
| NOTE BOOK    |
| NO.          |

|                 |
|-----------------|
| DATE            |
| BY              |
| SURVEYED        |
| PLOTTED         |
| TEMPLATE        |
| AREAS           |
| CHECKED         |
| ORIGINAL SURVEY |
| NOTE BOOK       |
| NO.             |



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 DESIGNED -  
 REVISIONS:  
 REVISIONS:  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

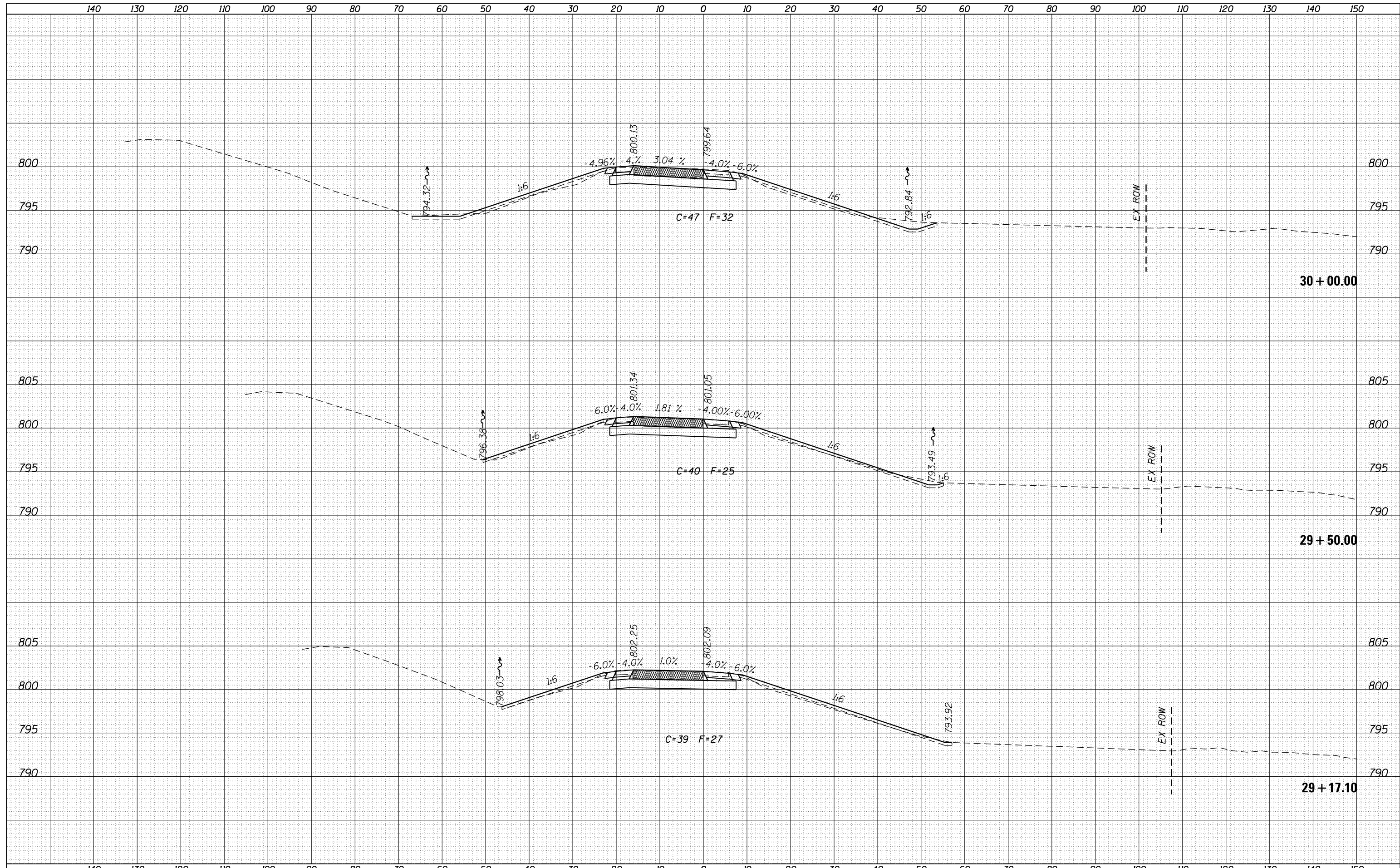
**RAMP H, I-39(SB) / I-88(WB) INTERCHANGE**  
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 28+00.00 TO STA. 29+00.00

| F.A. I                    | SECTION    | COUNTY | TOTAL  | SHEET |
|---------------------------|------------|--------|--------|-------|
| RTÉ.                      | (141-11M-4 | OGLE   | SHEETS | NO.   |
| 39                        |            |        | 82     | 58    |
| CONTRACT NO. 64L03        |            |        |        |       |
| ILLINOIS FED. AID PROJECT |            |        |        |       |

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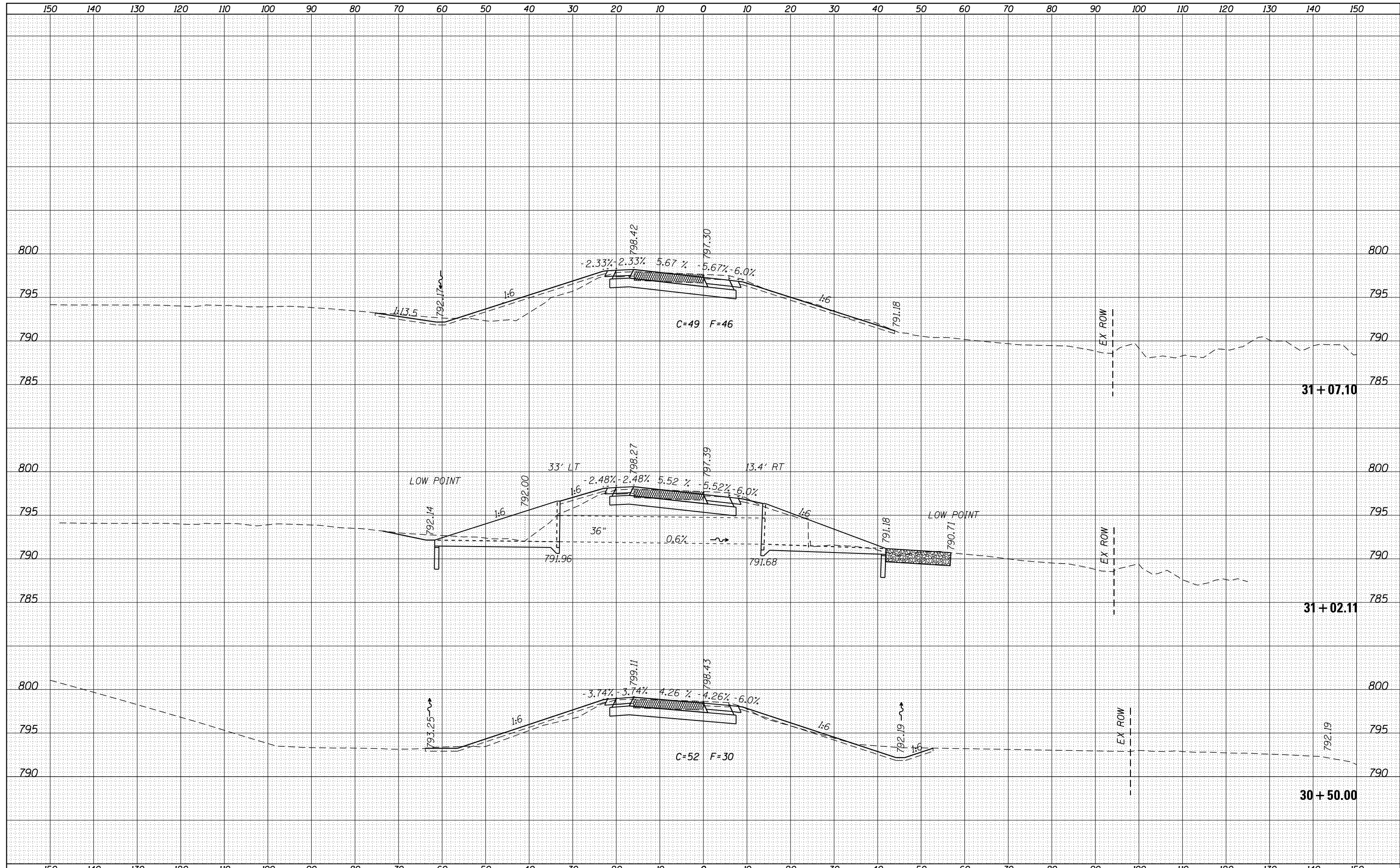
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| FILE NAME = | USER NAME = ankneyde  | DESIGNED - | REVISIED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>RAMP H, I-39(SB) / I-88(WB) INTERCHANGE</b><br><b>CROSS SECTIONS</b> |            |           | F.A.I. RTE.   | SECTION          | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| Default     | \\IL084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\P202614\CADD\Drawings\Drawings\202614-sht-xmsh.dgn | DRAWN      | REVISIED   |   | 39  | (141-IIM-4 | OGLE      | 82            | 59               |                           |              |           |
|             | PLOT SCALE = 20.0000' / in.   | CHECKED -  | REVISIED - |   | CONTRACT NO. 64L03  |            |           |               |                  |                           |              |           |
|             | PLOT DATE = May-31-2016 01:49:35 PM   | DATE -     | REVISIED - |   | SCALE:  | SHEET      | OF SHEETS | STA. 29+17.10 | TO STA. 30+00.00 | ILLINOIS FED. AID PROJECT |              |           |

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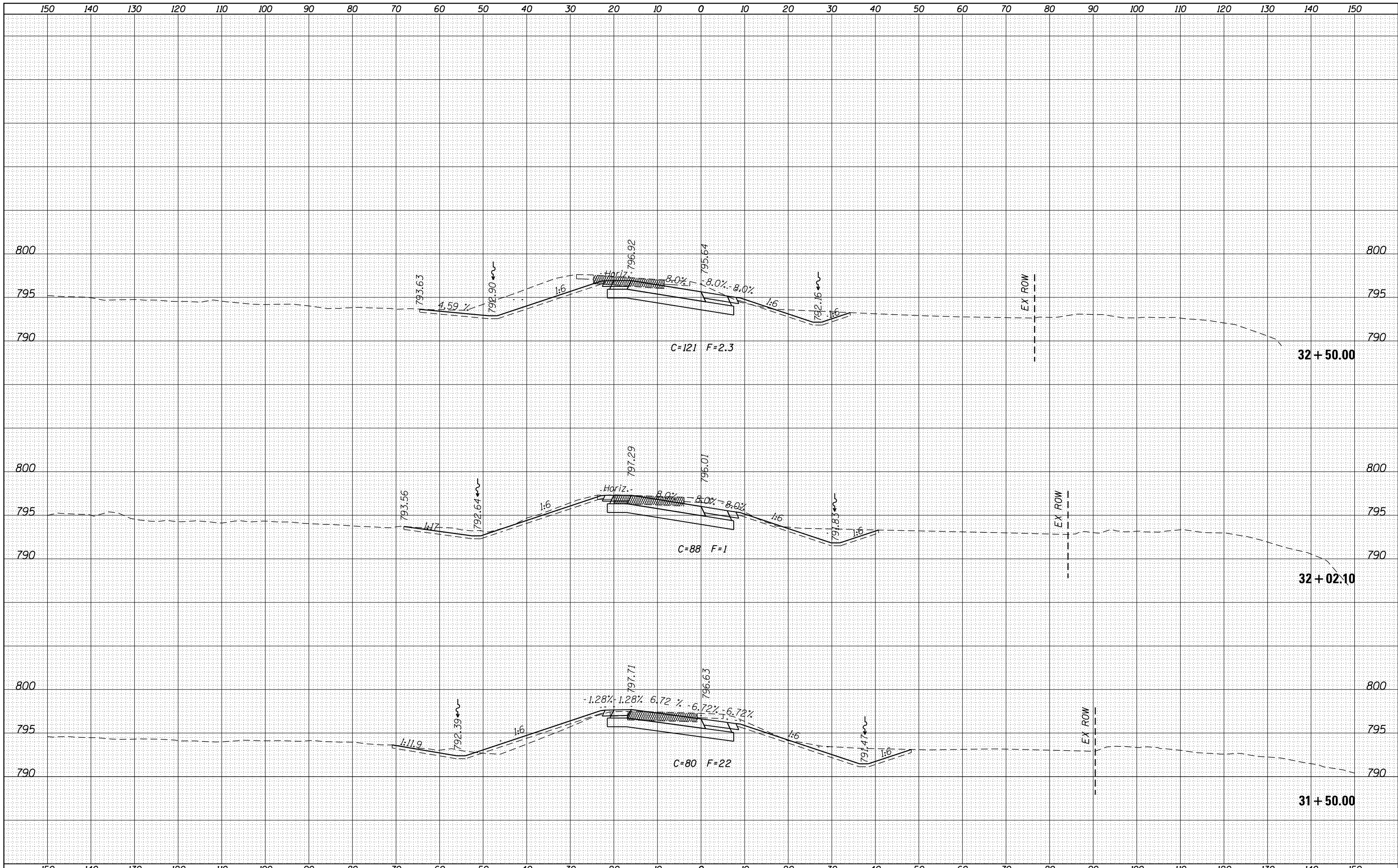
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| FILE NAME =   | USER NAME = ankneyde                | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |  |  |  | RAMP H, I-39(SB) / I-88(WB) INTERCHANGE<br>CROSS SECTIONS |            |        |               | F.A. I<br>RTÉ.   | SECTION                   | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| p:\11084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\P202614\CADD\DRAWINGS\202614-sh1-xmsh.dgn |                                     | DRAWN      | REVISED   | CONTRACT NO. 64L03                                |  |  |  | 39  | (141-11M-4 | OGLE   | 82            | 60               | ILLINOIS FED. AID PROJECT |        |                 |              |
| Default   | PLOT SCALE = 20.0000' / in.         | CHECKED -  | REVISED - | SCALE:  |  |  |  | SHEET   | OF         | SHEETS | STA. 30+50.00 | TO STA. 31+07.10 |                           |        |                 |              |
|   | PLOT DATE = May-31-2016 01:49:36 PM | DATE -     | REVISED - |   |  |  |  |   |            |        |               |                  |                           |        |                 |              |

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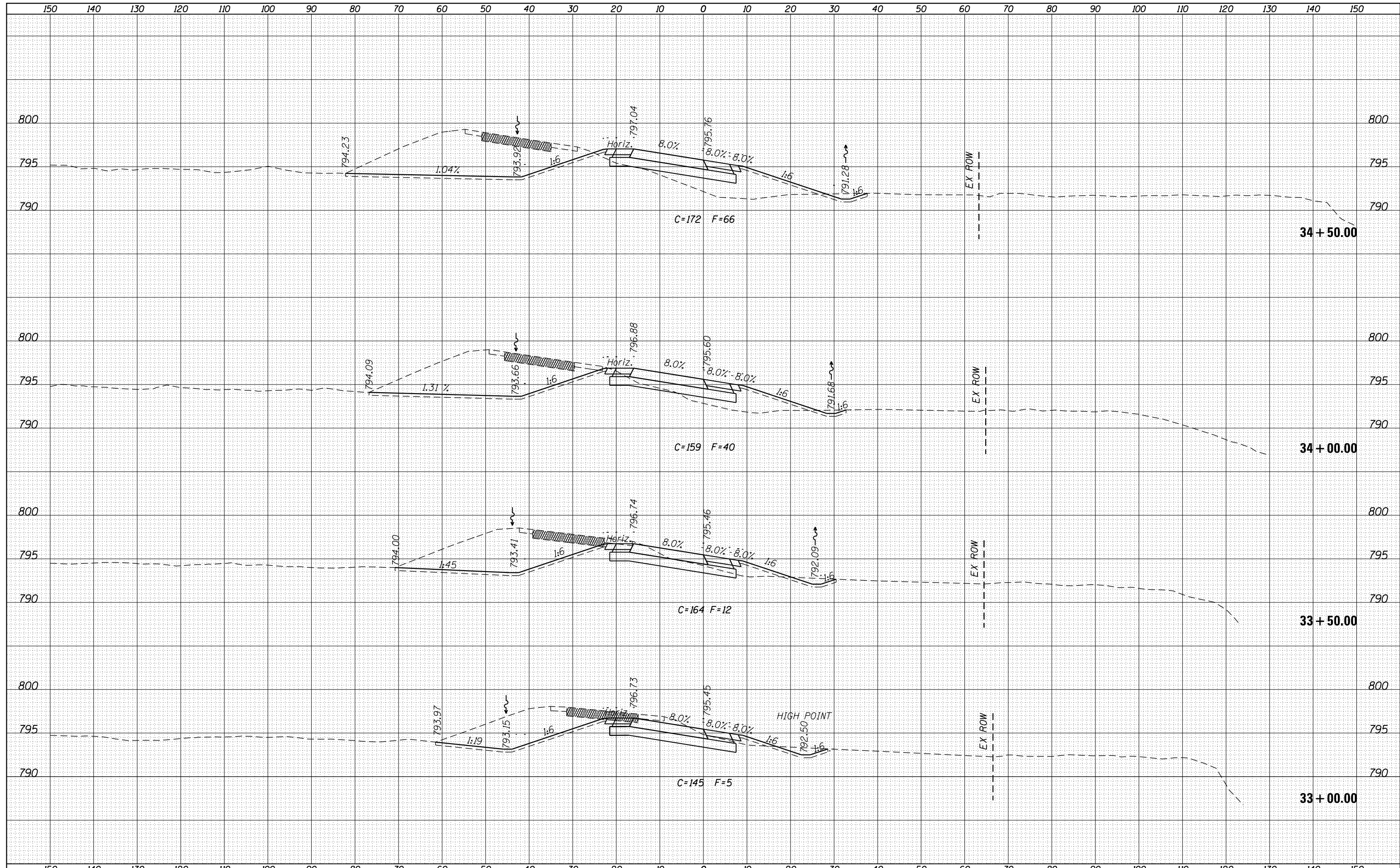
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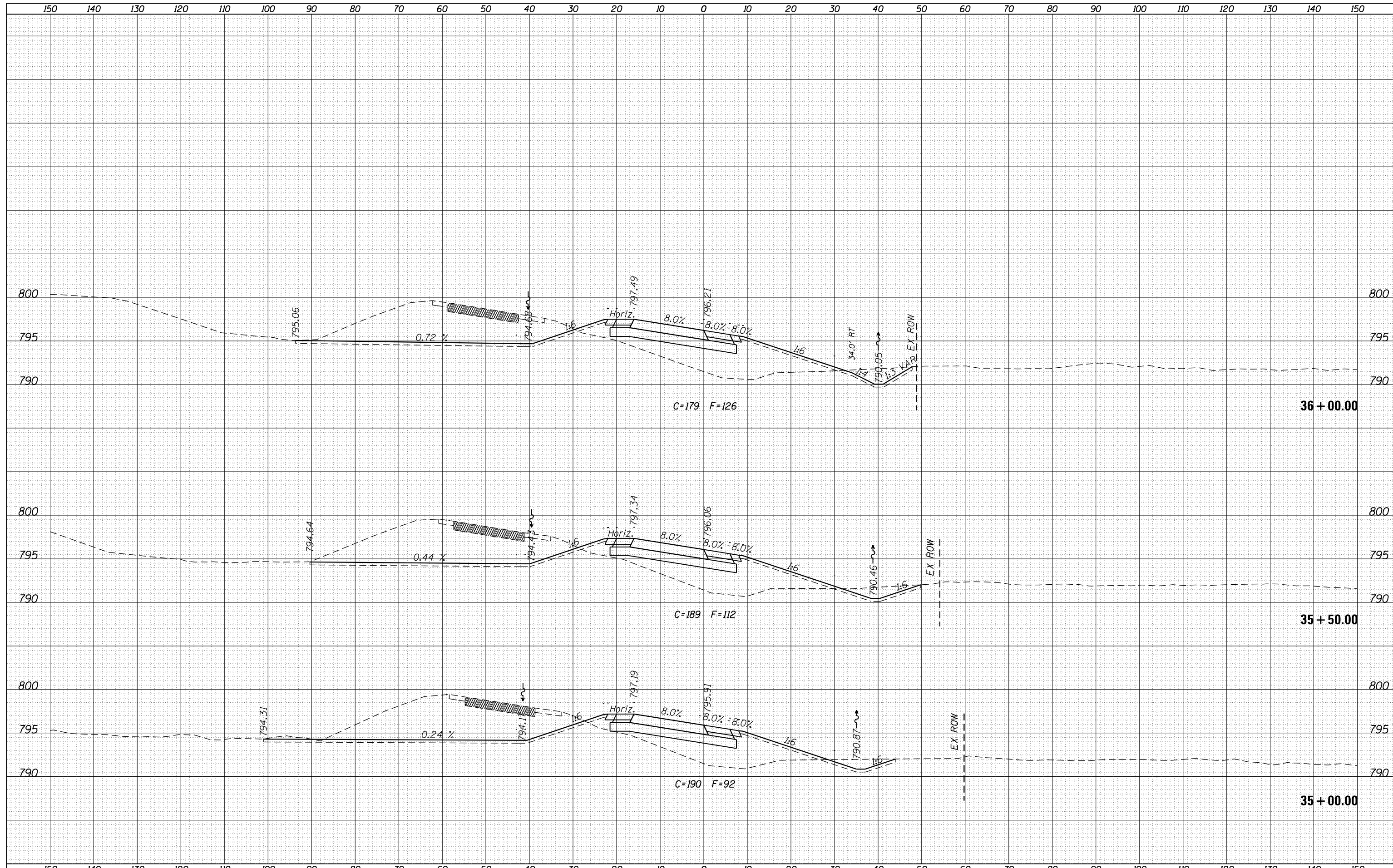


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|-------------------------------------|----------------------|------------|------------|---|---------------------------|-------------|--------|---------------|------------------|
| FILE NAME =                         | USER NAME = ankneyde | DESIGNED - | REVISIED - | <p align="center"><b>STATE OF ILLINOIS</b><br/><b>DEPARTMENT OF TRANSPORTATION</b></p> <p align="center"><b>RAMP H, I-39(SB) / I-88(WB) INTERCHANGE</b><br/><b>CROSS SECTIONS</b></p> | F.A.I. RTE.               | SECTION     | COUNTY | TOTAL SHEETS  | SHEET NO.        |
|                                     |                      |            |            |   | 39                        | (141-11M-4) | OGLE   | 82            | 61               |
|                                     |                      |            |            |   | CONTRACT NO. 64L03        |             |        |               |                  |
|                                     |                      |            |            |   | ILLINOIS FED. AID PROJECT |             |        |               |                  |
| PLOT SCALE = 20.0000' / in.         | CHECKED -            | REVISIED - | REVISIED - | SCALE:  | SHEET                     | OF          | SHEETS | STA. 31+50.00 | TO STA. 32+50.00 |
| PLOT DATE = May-31-2016 01:49:36 PM | DATE -               | REVISIED - | REVISIED - |   |                           |             |        |               |                  |

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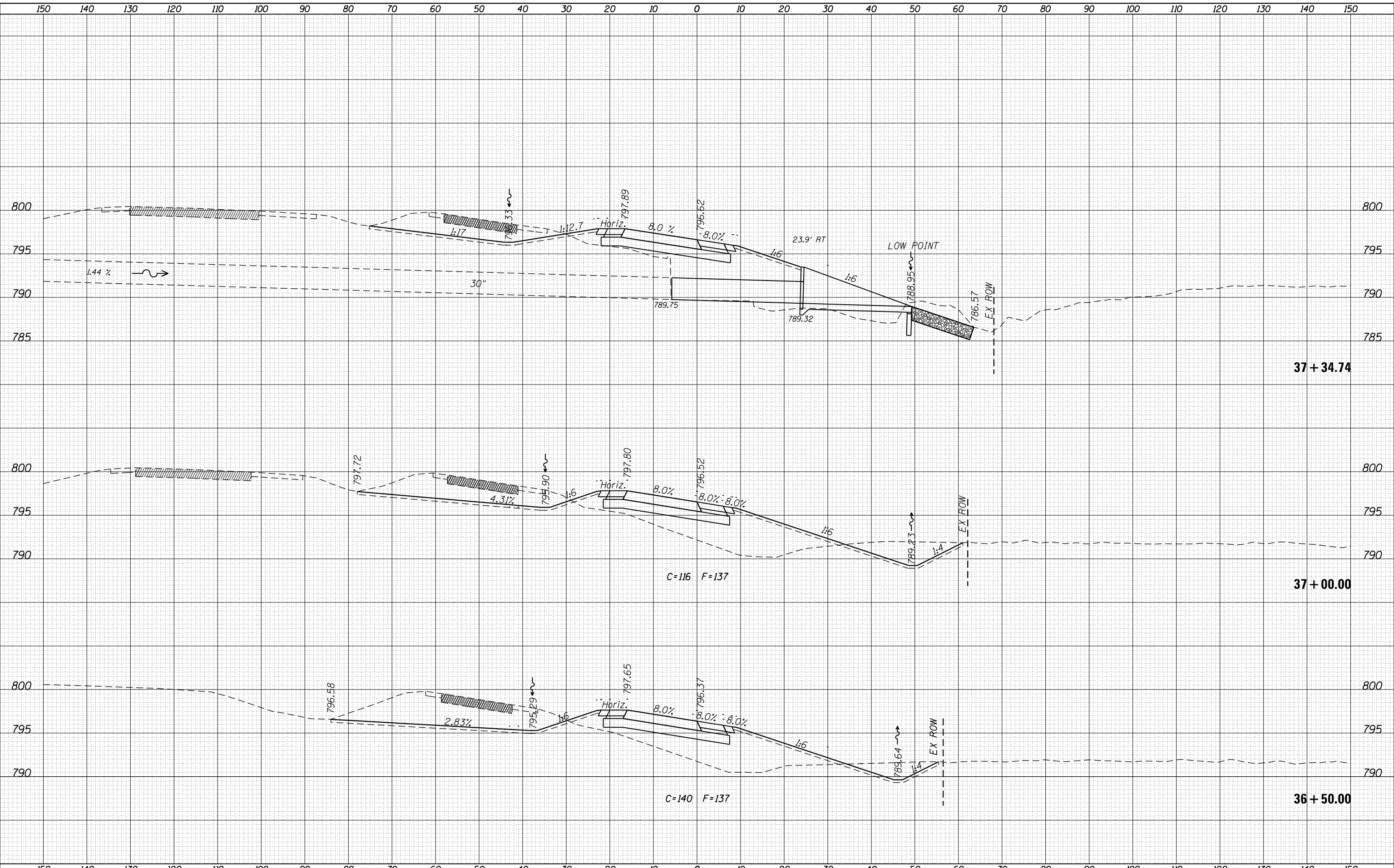




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| FILE NAME =                         | USER NAME = ankneyde | DESIGNED - | REVIS | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>RAMP H, I-39(SB)/I-88(WB) INTERCHANGE</b><br><b>CROSS SECTIONS</b> | F.A.I. RTÉ.               | SECTION    | COUNTY        | TOTAL SHEETS     | SHEET NO. |
|                                     |                      |            |       |   |   | 39                        | (141-11M-4 | OGLE          | 82               | 63        |
|                                     |                      |            |       |   |   | CONTRACT NO. 64L03        |            |               |                  |           |
|                                     |                      |            |       |   |   | ILLINOIS FED. AID PROJECT |            |               |                  |           |
| PLOT SCALE = 20.0000' / in.         | CHECKED -            | REVIS      |       | SCALE:  | SHEET   | OF                        | SHEETS     | STA. 35+00.00 | TO STA. 36+00.00 |           |
| PLOT DATE = May-31-2016 01:49:37 PM | DATE -               | REVIS      |       |   |   |                           |            |               |                  |           |



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

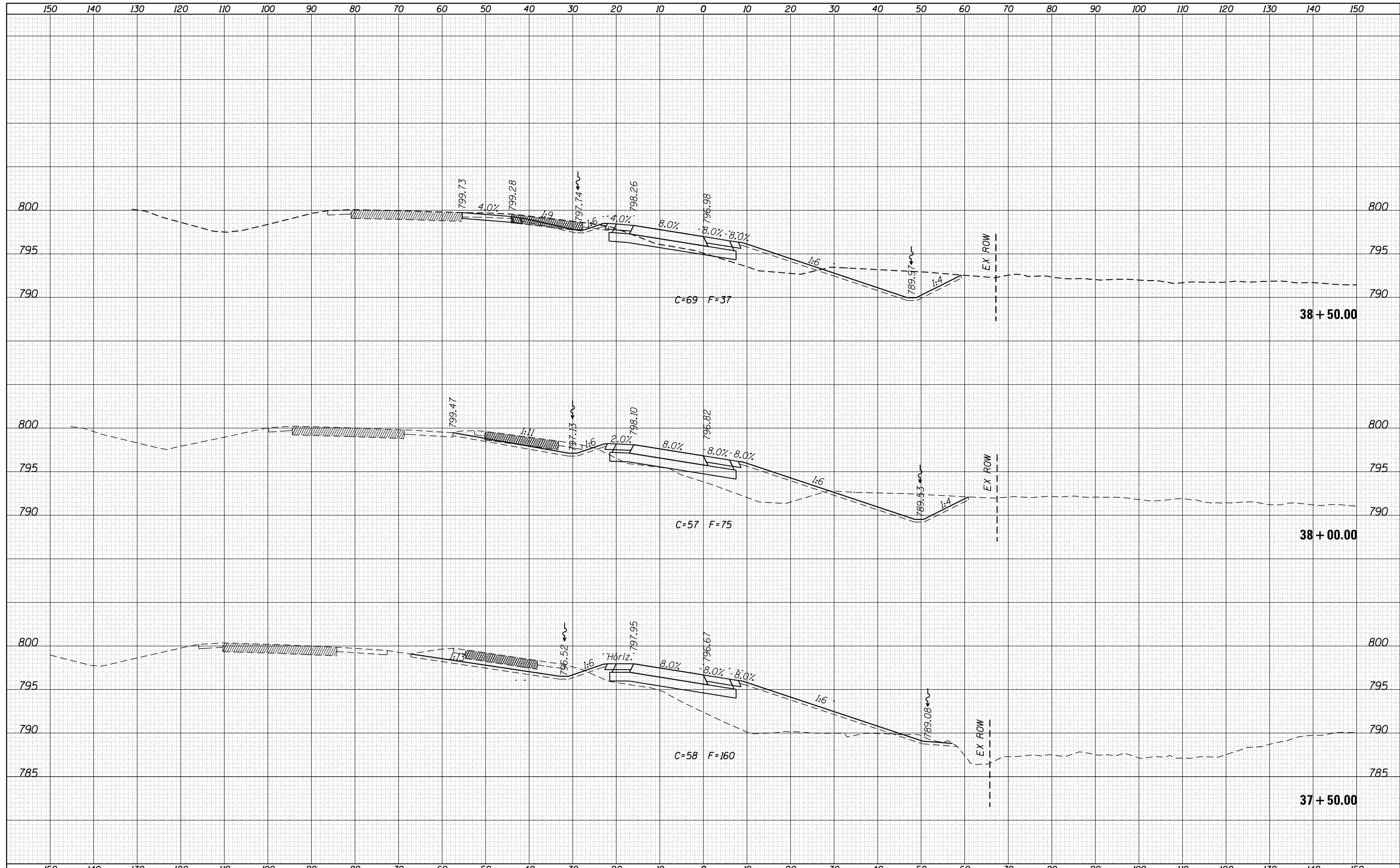
**RAMP H, I-39(SB)/I-88(WB) INTERCHANGE**  
**CROSS SECTIONS**  
 SCALE: SHEET OF SHEETS STA. 36+50.00 TO STA. 37+34.74

|                    |             |        |              |                           |
|--------------------|-------------|--------|--------------|---------------------------|
| F.A.I. RTE.        | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO.                 |
| 39                 | (141-IIM-4) | OGLE   | 82           | 64                        |
| CONTRACT NO. 64L03 |             |        |              | ILLINOIS FED. AID PROJECT |



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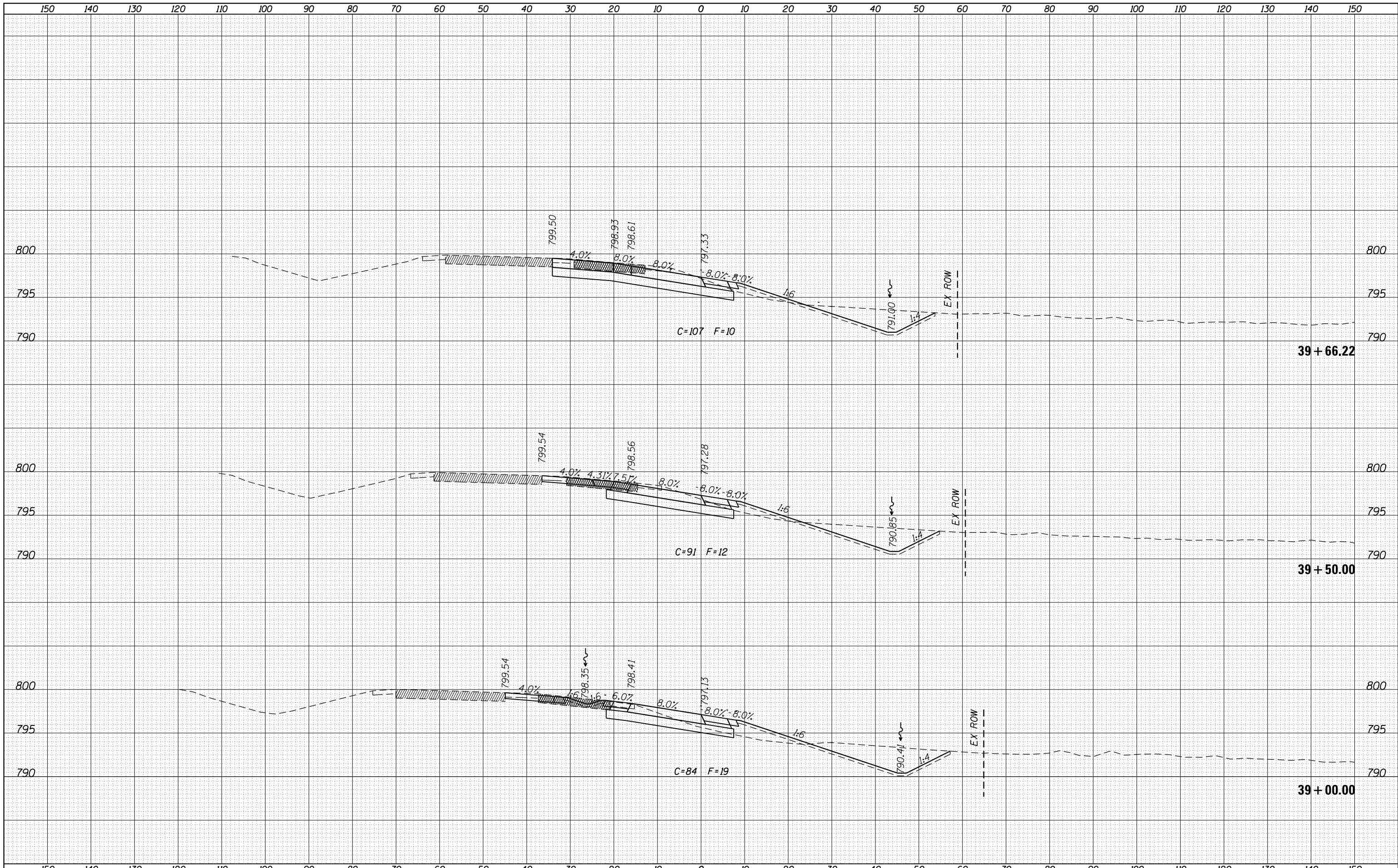
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| NOTE BOOK       | PLOTTED  |
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| FILE NAME = | USER NAME = ankneyde  | DESIGNED - | REVISIED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>RAMP H, I-39(SB)/I-88(WB) INTERCHANGE</b><br><b>CROSS SECTIONS</b> |       |    | F.A.I. RTE.               | SECTION       | COUNTY           | TOTAL SHEETS | SHEET NO. |
| Default     | \\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\P202614\CADD\Drawings\Drawings\202614-sht-xmsh.dgn | DRAWN      | REVISIED - |   |   |       |    | 39                        | (141-11M-4    | OGLE             | 82           | 65        |
|             | PLOT SCALE = 20.0000' / in.   | CHECKED -  | REVISIED - |   | CONTRACT NO. 64L03  |       |    | ILLINOIS FED. AID PROJECT |               |                  |              |           |
|             | PLOT DATE = May-31-2016 01:49:37 PM   | DATE -     | REVISIED - |   | SCALE:  | SHEET | OF | SHEETS                    | STA. 37+50.00 | TO STA. 38+50.00 |              |           |

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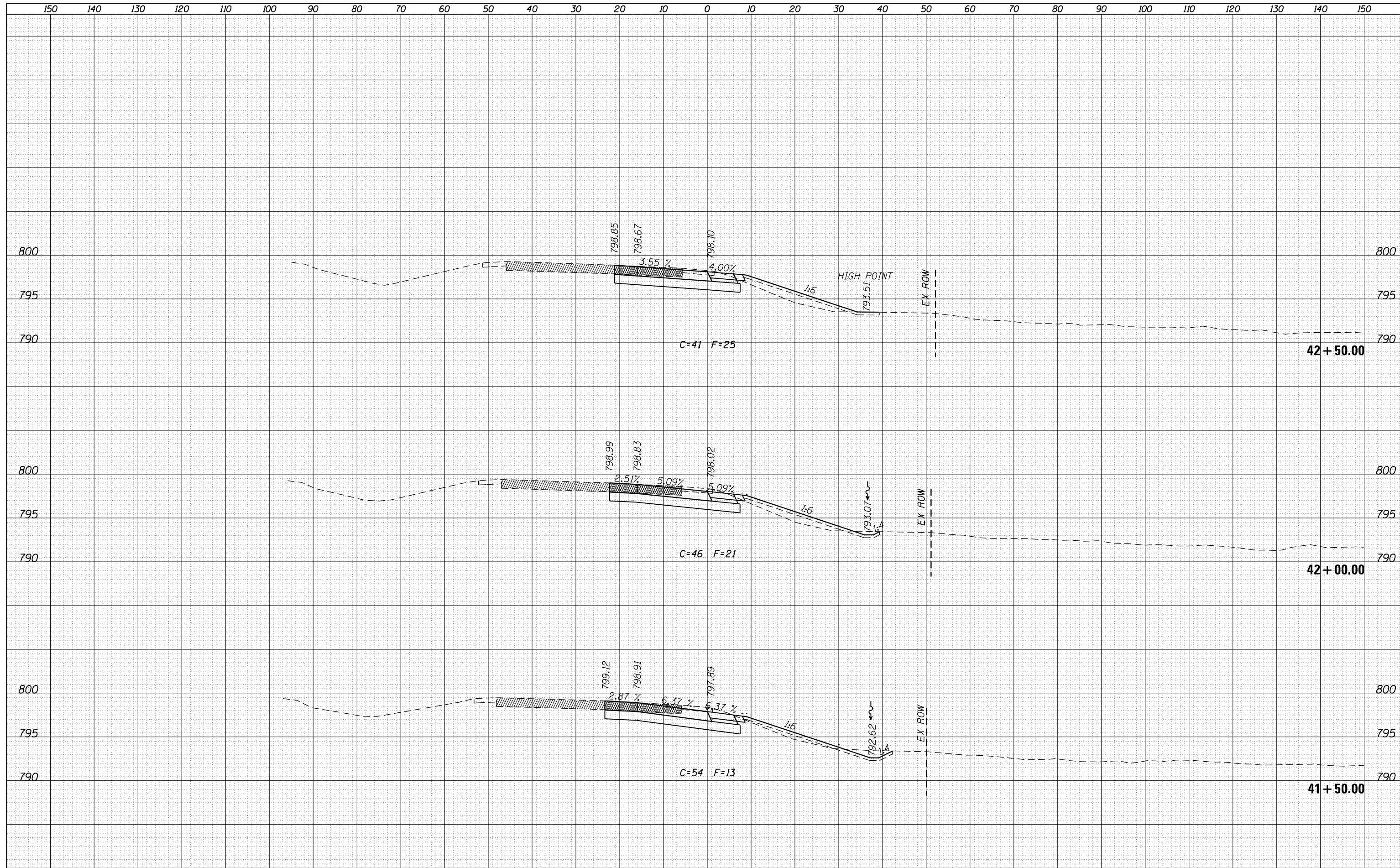
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|  | PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISÉ -           |   |   | 39              | (141-11M-4) | OGLE   | 82           | 66        |
| PLOT DATE = May-31-2016 01:49:38 PM                              | DATE -                      | REVISÉ -   | CONTRACT NO. 64L03 | ILLINOIS FED. AID PROJECT                                       |   |                 |             |        |              |           |

SCALE: SHEET OF SHEETS STA. 39+00.00 TO STA. 39+66.22



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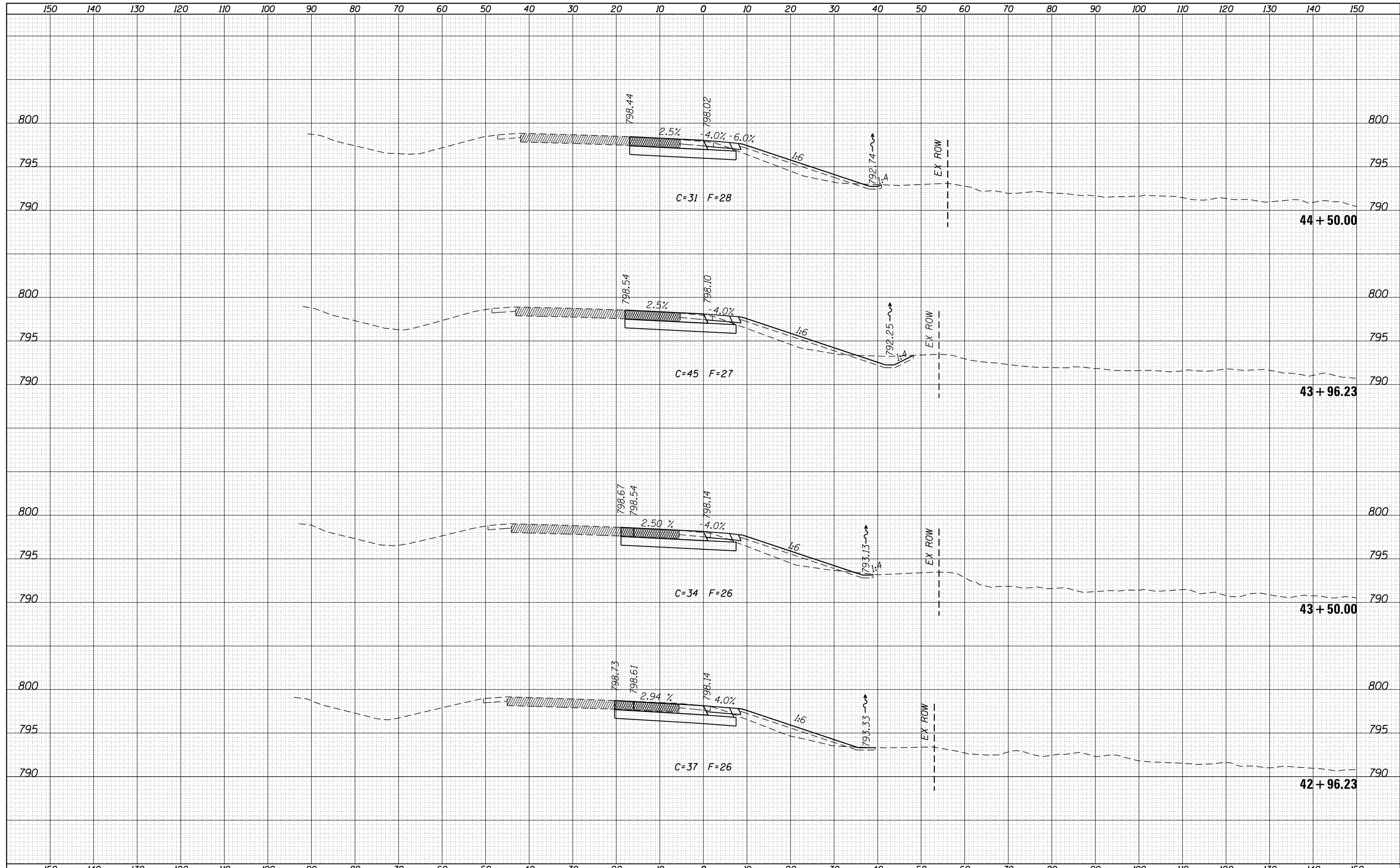


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| FILE NAME = | USER NAME = ankneyde | DESIGNED - | REVISÉ - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>RAMP H, I-39(SB) / I-88(WB) INTERCHANGE</b><br><b>CROSS SECTIONS</b> | F.A.I. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
|             |                      |            |          |   |   | 39                 | (141-11M-4 | OGLE   | 82                        | 68        |
|             |                      |            |          |   |   | CONTRACT NO. 64L03 |            |        | ILLINOIS FED. AID PROJECT |           |

SCALE: SHEET OF SHEETS STA. 41+50.00 TO STA. 42+50.00

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| ORIGINAL SURVEY |  |
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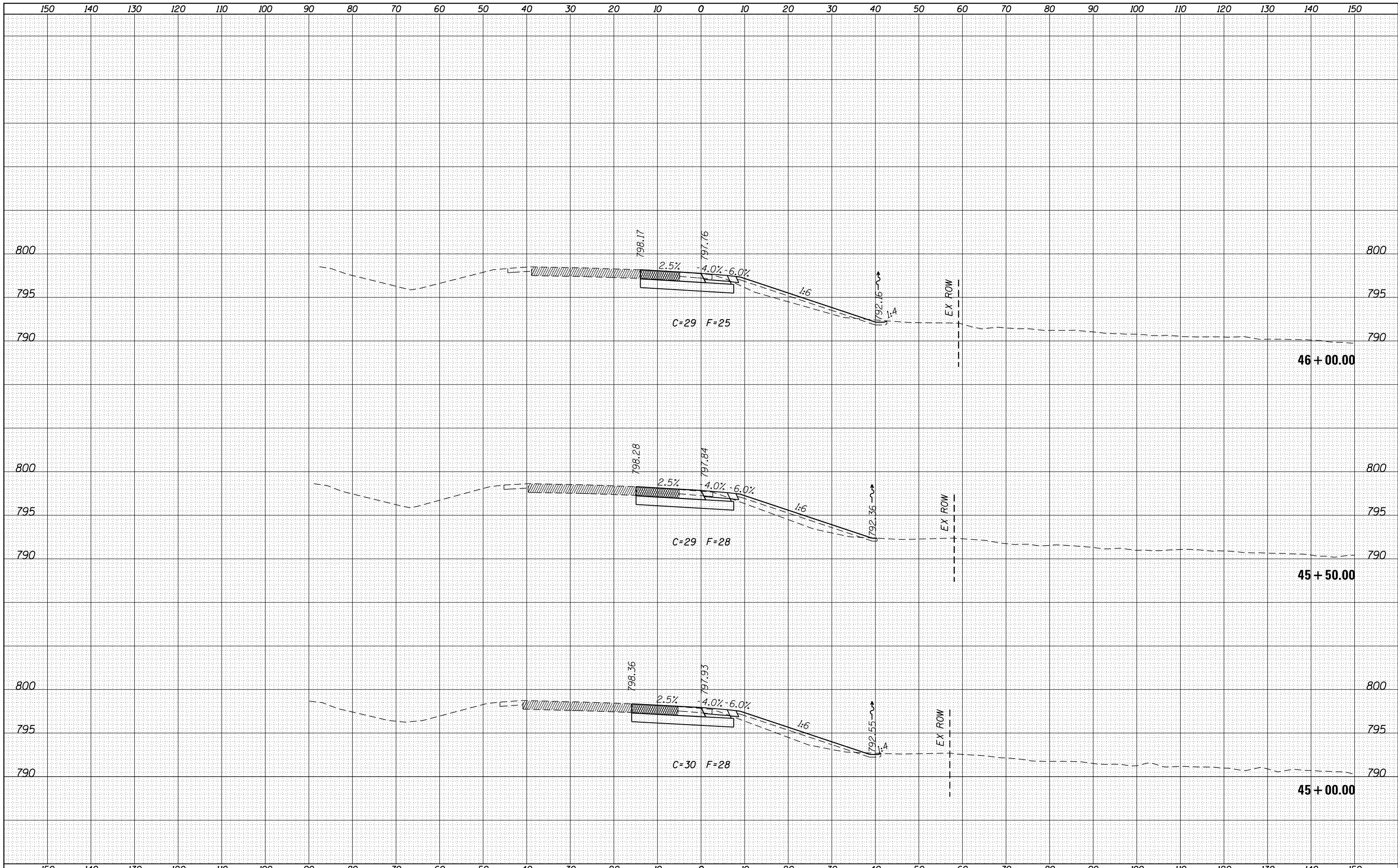
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| FILE NAME =   | USER NAME = ankneyde | DESIGNED - | REVISÉ - | <p align="center"><b>STATE OF ILLINOIS</b><br/><b>DEPARTMENT OF TRANSPORTATION</b></p> <p align="center"><b>RAMP H, I-39(SB)/I-88(WB) INTERCHANGE</b><br/><b>CROSS SECTIONS</b></p> | F.A.I. RTÉ.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO.     |
| p:\11084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\P202614\CADD\DRAWINGS\Drawings\202614-sh-t-xmsh.dgn | DRAWN                | REVISÉ -   | REVISÉ - |   | 39                        | (141-11M-4 | OGLE   | 82           | 69            |
| PLOT SCALE = 20.0000' / in.   | CHECKED -            | REVISÉ -   | REVISÉ - |   | CONTRACT NO. 64L03        |            |        |              |               |
| PLOT DATE = May-31-2016 01:49:39 PM   | DATE -               | REVISÉ -   | REVISÉ - |   | SCALE:                    | SHEET      | OF     | SHEETS       | STA. 42+96.23 |
|   |                      |            |          |   | ILLINOIS FED. AID PROJECT |            |        |              |               |

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**RAMP H, I-39(SB)/I-88(WB) INTERCHANGE  
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 45+00.00 TO STA. 46+00.00

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.I. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| 39                        | (141-11M-4) | OGLE   | 82           | 70        |
| CONTRACT NO. 64L03        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

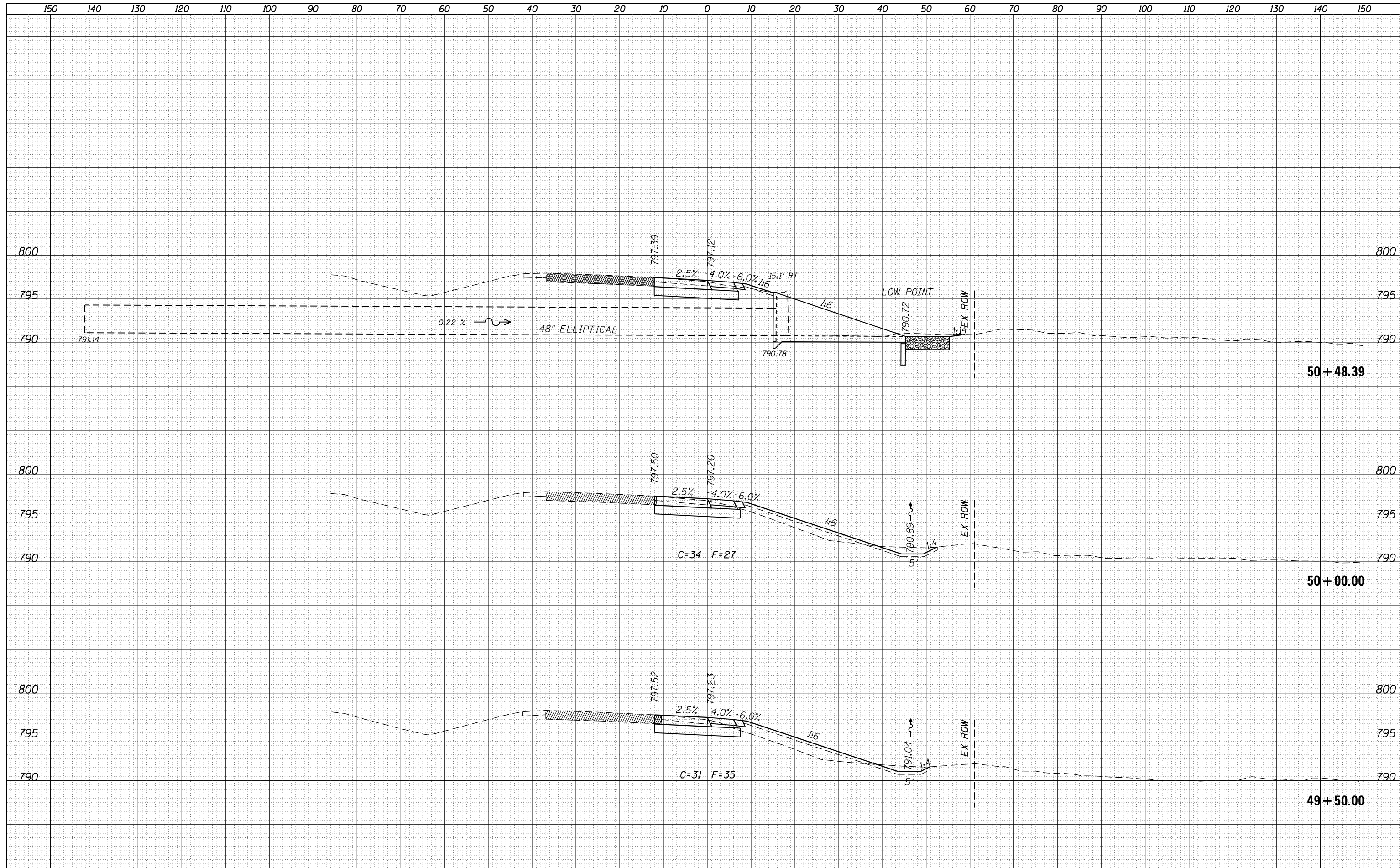






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| FINAL     | SURVEYED      | DATE |
| SURVEY    | PLOTTED       |      |
| NOTE BOOK | TEMPLATE      |      |
| NO.       | AREAS CHECKED |      |

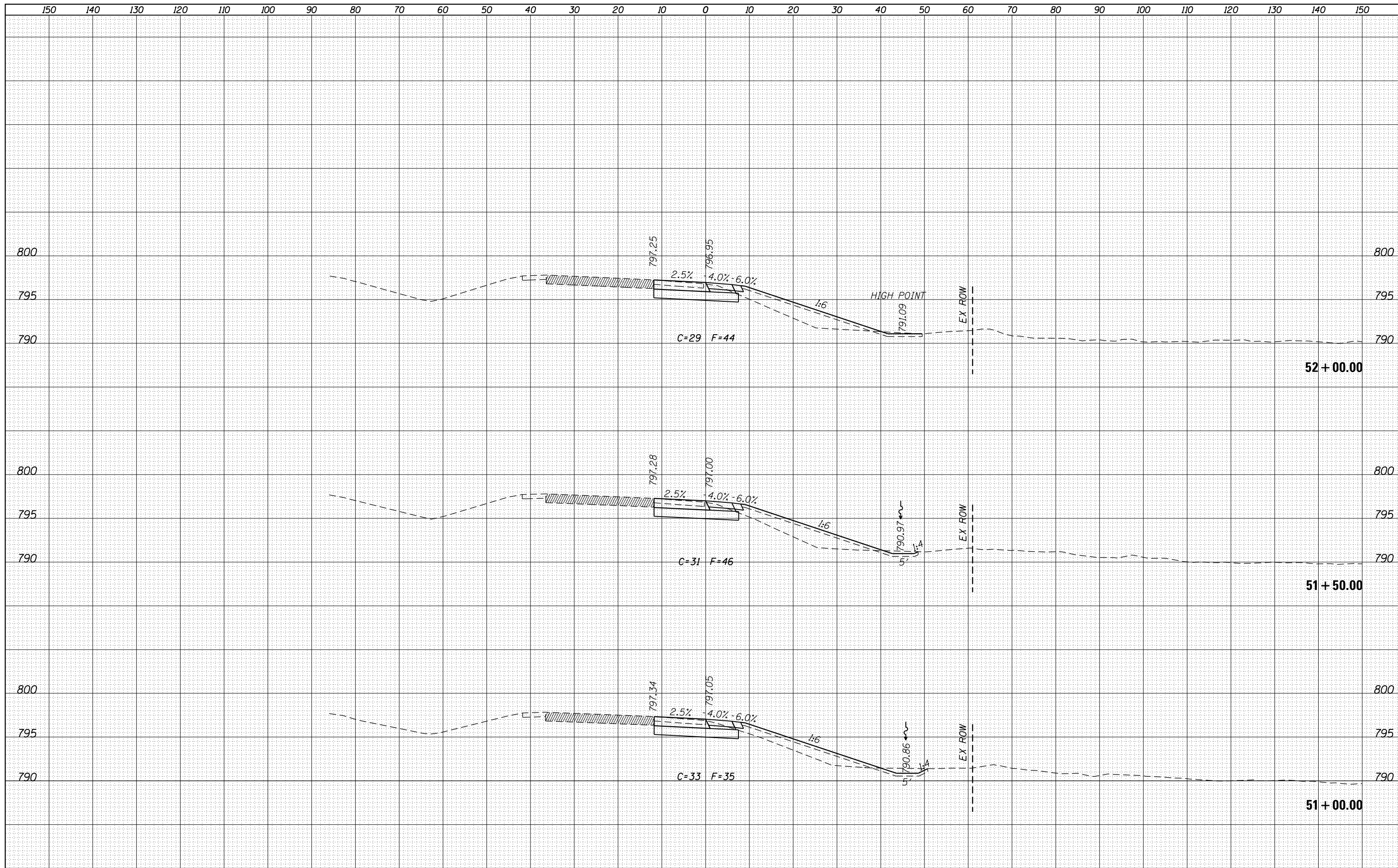
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| ORIGINAL  | SURVEYED      | DATE |
| SURVEY    | PLOTTED       |      |
| NOTE BOOK | TEMPLATE      |      |
| NO.       | AREAS CHECKED |      |



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|--|-------------------------------------|------------|-----------|---|---|-------------|------|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =  | USER NAME = ankneyde                | DESIGNED - | REVISÉD - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION     | RAMP H, I-39(SB) / I-88(WB) INTERCHANGE |             |      | F.A.I. RTÉ.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| p:\11084EBIDINTEG\Illinois.gov\PIDOT\Documents\NIDOT Offices\District 2\Projects\P202614\CADD\DRAWING\Drawings\202614-sh1-xmsh.dgn |                                     | REVISÉD -  | REVISÉD - |   | 39                                      | (141-IIM-4) | OGLE | 82                        | 73      |        |              |           |
| Default  | PLOT DATE = May-31-2016 01:49:40 PM | CHECKED -  | REVISÉD - |   | CONTRACT NO. 64L03                      |             |      | ILLINOIS FED. AID PROJECT |         |        |              |           |
|  |                                     |            |           | SCALE: SHEET OF SHEETS STA. 49+50.00 TO STA. 50+48.39 |   |             |      |                           |         |        |              |           |

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|---|-------------------------------------|------------|-----------|---|---|------------|-----------|---------------|------------------|---------------------------|--------------|-----------|
| FILE NAME =   | USER NAME = ankneyde                | DESIGNED - | REVISÉD - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>RAMP H, I-39(SB) / I-88(WB) INTERCHANGE</b><br><b>CROSS SECTIONS</b> |            |           | F.A.I. RTÉ.   | SECTION          | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| p:\1\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 2\Projects\P202614\CADD\DRAWING\sheets\D202614-sht-xmsh.dgn |                                     | REVISÉD -  | REVISÉD - |   | 39  | (141-11M-4 | OGLE      | 82            | 74               |                           |              |           |
| Default   | PLOT SCALE = 20.0000' / in.         | CHECKED -  | REVISÉD - |   | CONTRACT NO. 64L03  |            |           |               |                  |                           |              |           |
|   | PLOT DATE = May-31-2016 01:49:40 PM | DATE -     | REVISÉD - |   | SCALE:  | SHEET      | OF SHEETS | STA. 51+00.00 | TO STA. 52+00.00 | ILLINOIS FED. AID PROJECT |              |           |





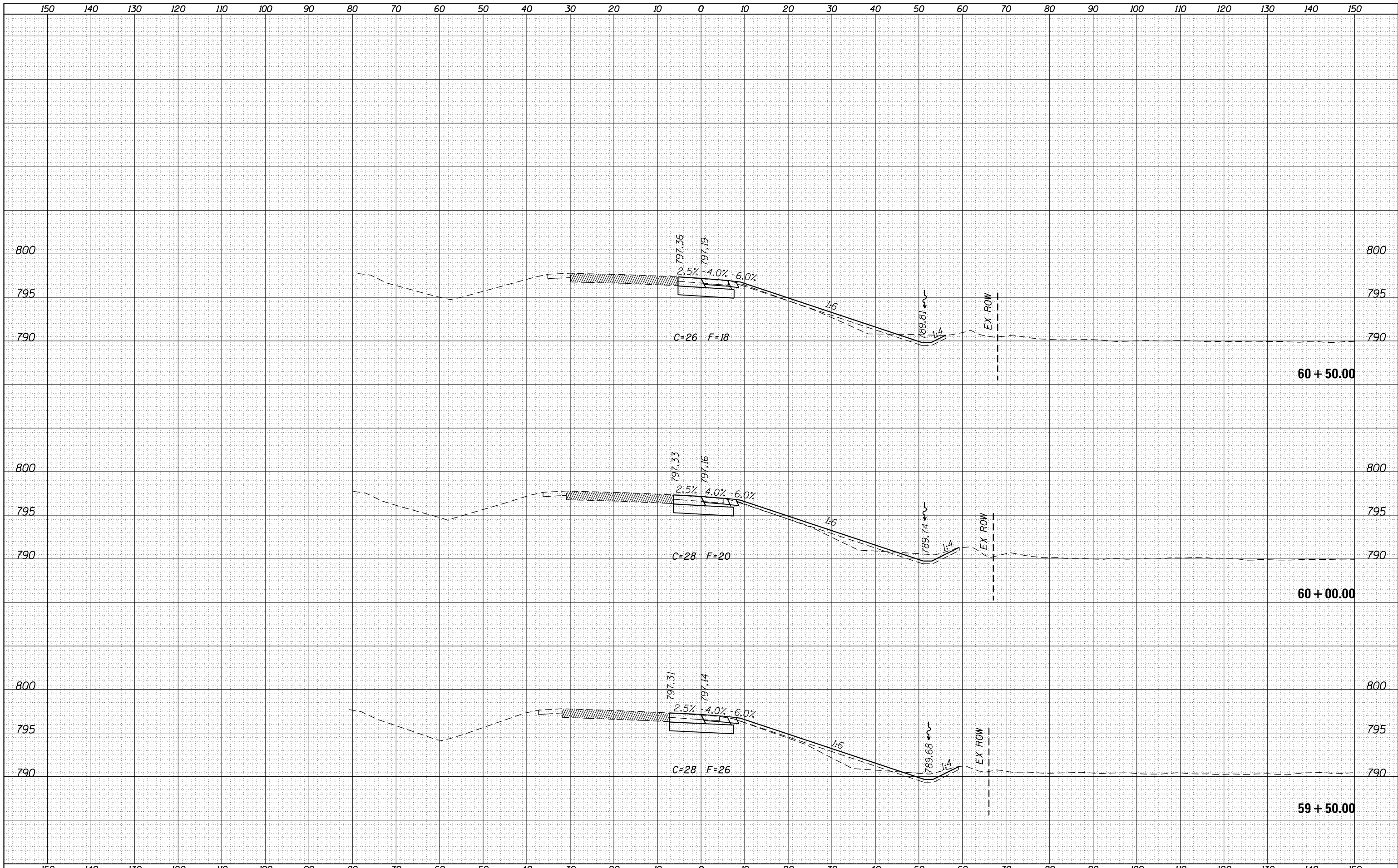






|              |  |
|--------------|--|
| DATE         |  |
| BY           |  |
| FINAL SURVEY |  |
| NOTE BOOK    |  |
| NO.          |  |
| SURVEYED     |  |
| PLOTTED      |  |
| TEMPLATE     |  |
| AREAS        |  |
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| DATE            |  |
| BY              |  |
| ORIGINAL SURVEY |  |
| NOTE BOOK       |  |
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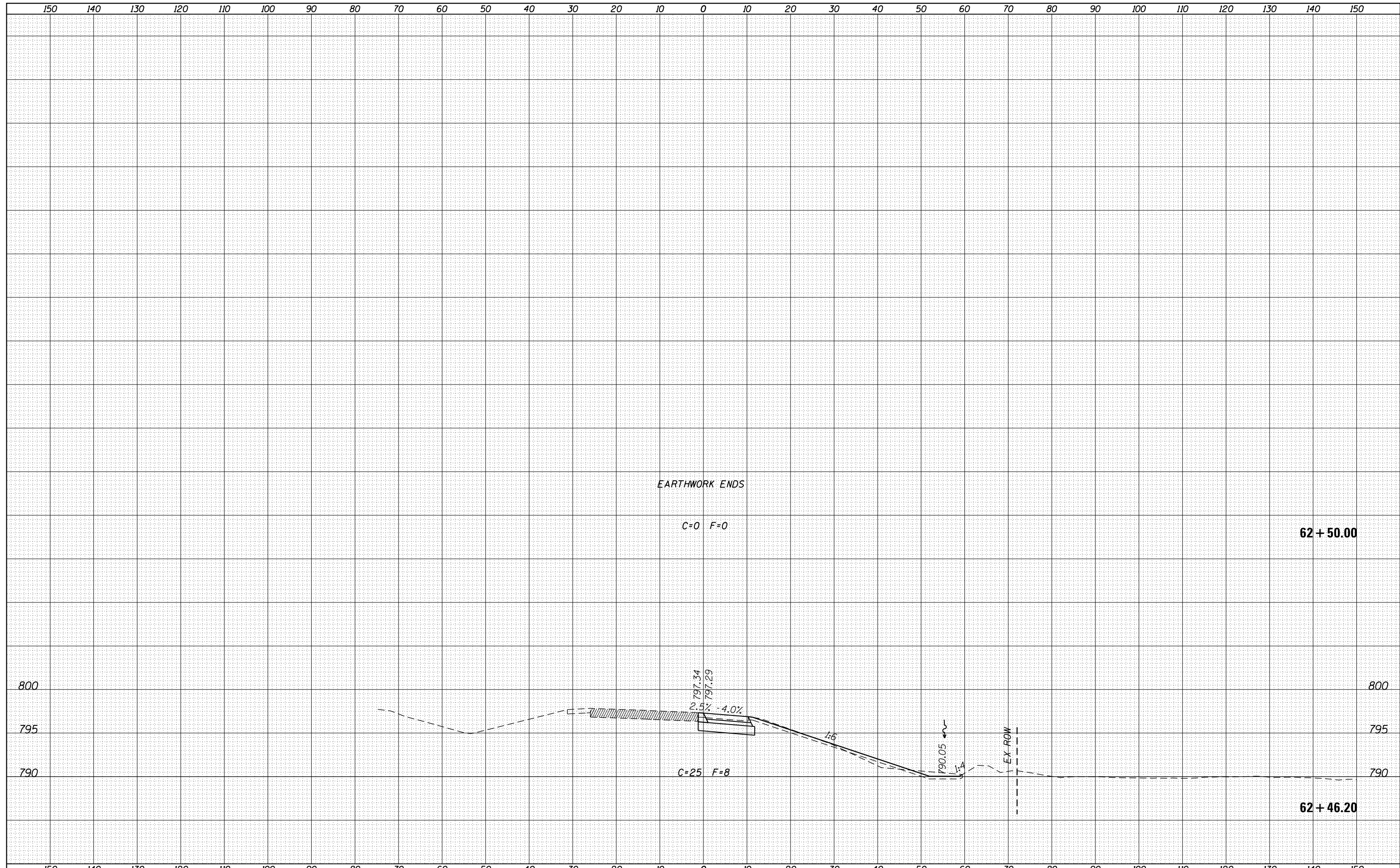
|             |   |            |            |   |   |  |  |  |                           |             |        |              |           |
|-------------|---|------------|------------|---|---|--|--|--|---------------------------|-------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = ankneyde  | DESIGNED - | REVISIED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | RAMP H, I-39(SB)/I-88(WB) INTERCHANGE                 |  |  |  | F.A.I. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
|             | DOT Offices\District 2\Projects\P202614\CADD\DRAWINGS\Drawings\202614-shr-xmsht.dgn |            |            |   | CROSS SECTIONS  |  |  |  | 39                        | (141-IIM-4) | OGLE   | 82           | 80        |
|             | PLOT SCALE = 20.0000' / in.   | CHECKED -  | REVISIED - |   | SCALE: SHEET OF SHEETS STA. 59+50.00 TO STA. 60+50.00 |  |  |  | CONTRACT NO. 64L03        |             |        |              |           |
|             | PLOT DATE = May-31-2016 01:49:42 PM   | DATE -     | REVISIED - |   |   |  |  |  | ILLINOIS FED. AID PROJECT |             |        |              |           |





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| FINAL SURVEY | SURVEYED |
| NOTE BOOK    | PLOTTED  |
| NO.          | TEMPLATE |
|              | AREAS    |
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| DATE            |          |
| BY              |          |
| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK       | PLOTTED  |
| NO.             | TEMPLATE |
|                 | AREAS    |
|                 | CHECKED  |



|   |                                     |            |          |   |   |            |      |                    |         |        |       |       |
|---|-------------------------------------|------------|----------|---|---|------------|------|--------------------|---------|--------|-------|-------|
| FILE NAME =   | USER NAME = ankneyde                | DESIGNED - | REVISÉ - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>RAMP H, I-39(SB) / I-88(WB) INTERCHANGE<br/>CROSS SECTIONS</b> |            |      | F.A. I             | SECTION | COUNTY | TOTAL | SHEET |
| p:\1\084EBIDINTEG\Illinois.gov\PIDOT\Documents\NIDOT Offices\District 2\Projects\P202614\CADD\DRAWINGS\Drawings\202614-shr-xmsh.dgn |                                     | DRAWN      | REVISÉ - |   | 39  | (141-11M-4 | OGLE | 82                 | 82      |        |       |       |
| Default   | PLOT SCALE = 20.0000' / in.         | CHECKED -  | REVISÉ - |   | SCALE: SHEET OF SHEETS STA. 62+46.20 TO STA. 62+46.20             |            |      | CONTRACT NO. 64L03 |         |        |       |       |
|   | PLOT DATE = May-31-2016 01:49:42 PM | DATE -     | REVISÉ - |   | ILLINOIS FED. AID PROJECT   |            |      |                    |         |        |       |       |