

06-15-2018 LETTING ITEM 227

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

FAP ROUTE 669 (US 24 /IL 29)  
 SECTION 11RS-12  
 PROJECT NHPP-KH13(442)  
 PAVEMENT RESURFACING  
 TAZEWELL COUNTY

C-94-069-17

| F.A.P. RTE. | SECTION | COUNTY   | TOTAL SHEETS       | SHEET NO. |
|-------------|---------|----------|--------------------|-----------|
| 669         | 11RS-12 | TAZEWELL | 42                 | 1         |
|             |         | ILLINOIS | CONTRACT NO. 68D69 |           |

FOR INDEX OF SHEETS, SEE SHEET NO. 2

HIGHWAY STANDARDS

|           |           |
|-----------|-----------|
| 000001-06 | 780001-05 |
| 001006    | 781001-04 |
| 420001-09 | 782001-01 |
| 442101-08 | 782006    |
| 602301-04 | 814001-03 |
| 604006-05 | 821101-02 |
| 630001-12 | 836001-03 |
| 701411-09 | 838001-01 |
| 701426-09 | 857001-01 |
| 701427-05 | 886001-01 |
| 701601-09 | 886006-01 |
| 701602-09 |           |
| 701701-10 |           |
| 701901-07 |           |

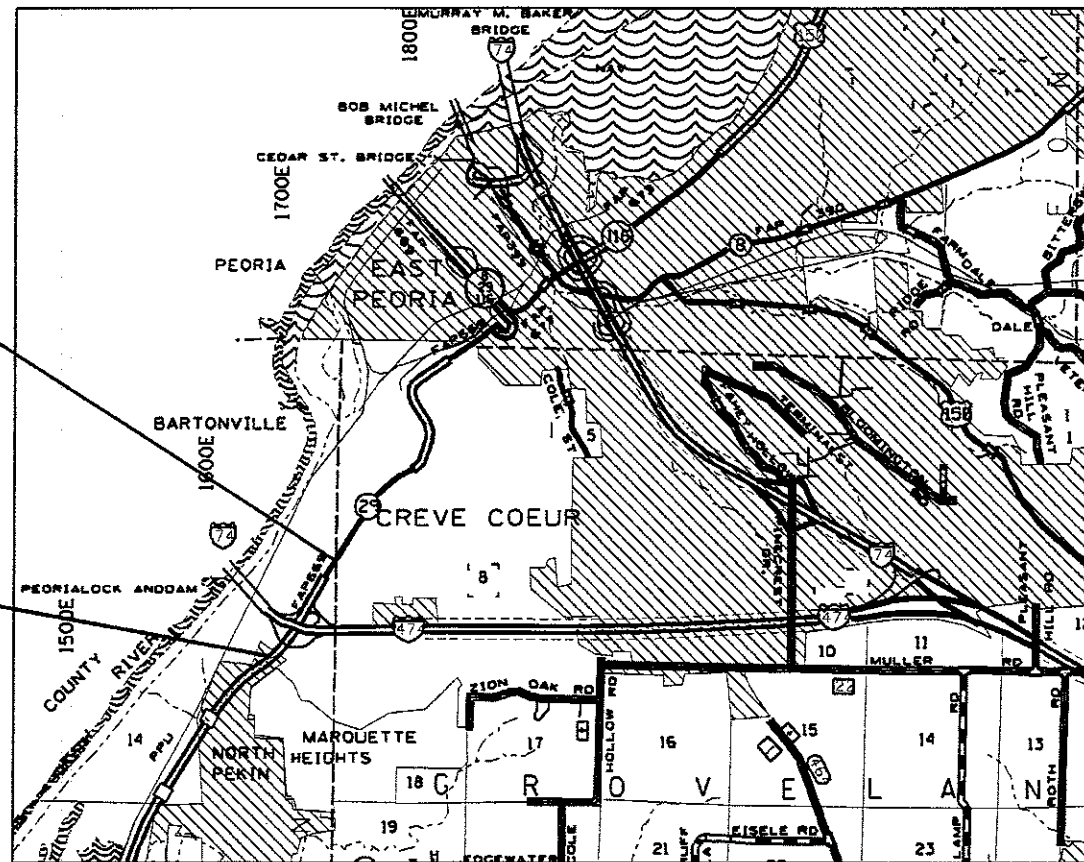
ADT = 29,200 (2017)  
 SU = 1.54%  
 MU = 2.05%

BEGIN IMPROVEMENT:  
 STA. 180 + 54.00

END IMPROVEMENT:  
 STA. 231 + 76.00

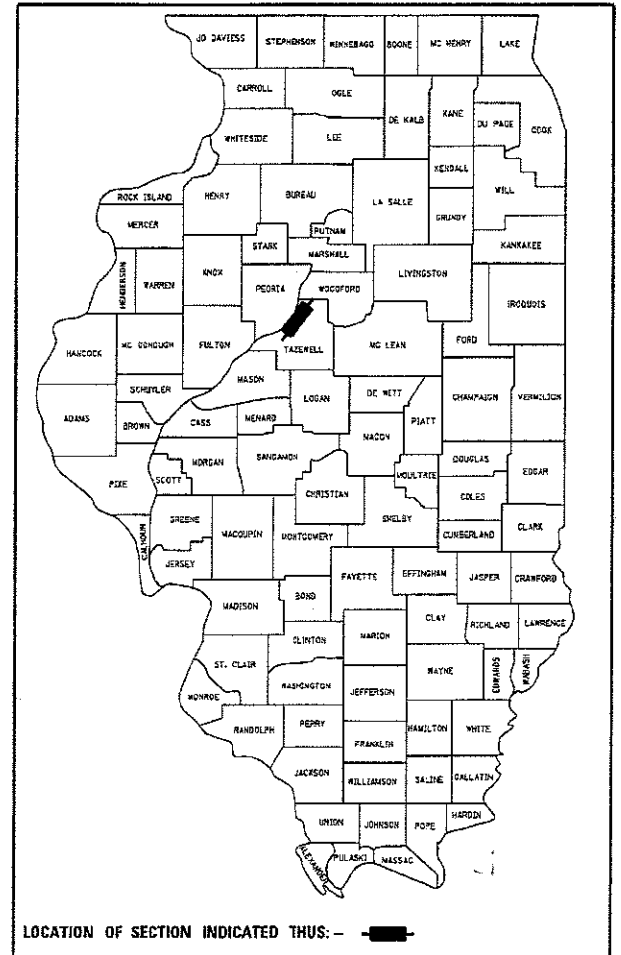
J.U.L.I.E.  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-892-0123  
 OR 811

PROJECT ENGINEER: RICH DOTSON (309)671-3455  
 PROJECT MANAGER: KEVIN HORST (309)671-3472  
 CATALOG NO. 035492-00D  
 CONTRACT NO. 68D69



GROSS LENGTH = 5,122.00 FT. = 0.970 MILE  
 NET LENGTH = 5,122.00 FT. = 0.970 MILE

D-94-036-17



LOCATION OF SECTION INDICATED THUS: - ■ -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 SUBMITTED Feb 07 2018  
Kensie A. Barnett (KSD)  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER  
Mar 23 2018  
Paul J. Chalk  
 ENGINEER OF DESIGN AND ENVIRONMENT  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
 OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

- 1. COVER SHEET
- 2-4. INDEX OF SHEETS, GENERAL NOTES, AND PROJECT SPECIFIC NOTES
- 5. STATUS OF UTILITIES
- 6-10. SUMMARY OF QUANTITIES
- 11-12. SCHEDULE OF QUANTITIES
- 13-14. TYPICAL SECTIONS
- 15. LINE DIAGRAM
- 16-22. STAGING DETAILS
- 23. MISCELLANEOUS DETAILS
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- 28-29. MEDIAN DETAILS
- 30-36. LIGHTING AND SIGNAL DETAILS
- 37-42. DISTRICT CADD STANDARDS

**GENERAL NOTES**

**COMMITMENTS**

Commitments are not to be altered without the written approval of all parties to which the commitment was made. There are no commitments for this project.

**PROPERTY OWNER ACCESS REQUIREMENT**

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

**CONSECUTIVE SIDE STREET (ROAD) CLOSURE – PROHIBITED**

1. No two consecutive side streets (roads) may be closed at the same time during construction. The Contractor must alternate streets (roads).

2. Adjacent sideroads will not be closed simultaneously. BLR Standard 21 shall be used for all local road closures without any entrances within the closed area. BLR Standard 22 can be used where it is necessary to allow local traffic access.

|                        |                    |                      |           |   |   |                |                           |          |                 |              |  |
|------------------------|--------------------|----------------------|-----------|---|---|----------------|---------------------------|----------|-----------------|--------------|--|
| FILE NAME =<br>#FILEL# | USER NAME = #USER# | DESIGNED -           | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>INDEX OF SHEETS, GENERAL NOTES, AND PROJECT SPECIFIC NOTES</b> | F.A.P.<br>RTE. | SECTION                   | COUNTY   | TOTAL<br>SHEETS | SHEET<br>NO. |  |
|                        |                    | DRAWN -              | REVISED - |   |   | 669            | 11RS-12                   | TAZEWELL | 42              | 2            |  |
|                        |                    | PLOT SCALE = #SCALE# | CHECKED - |   |   | REVISED -      | CONTRACT NO. 68069        |          |                 |              |  |
|                        |                    | PLOT DATE = #DATE#   | DATE -    |   |   | REVISED -      | ILLINOIS FED. AID PROJECT |          |                 |              |  |
|                        |                    |                      |           |   |   | SCALE:         | SHEET                     | OF       | SHEETS          | STA. TO STA. |  |

**GENERAL NOTES (CONTINUED)**

**ENVIRONMENTAL REVIEWS**

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- \* BDE Form 2289 (Environmental Survey Request)
- \* BDE Form 2290 (Waste/Use Area Review)
- \* A location map showing the size limits and location of the use area
- \* Color photographs depicting the use area
- \* Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of four weeks shall be allowed for the District to obtain the required environmental clearances and six weeks for the required borrow site environmental clearances.

**PAVEMENT STATION NUMBERS & PLACEMENT**

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (20 mm) wide, 5 inches (125 mm) high and 5/8 inch (15 mm) deep.

The pavement station numbers shall be installed as specified herein:

Interval – 200 feet (English stationing) or 100 meters (metric stationing)

Bottom of Numbers – 6 inches (150 mm) from the inside edge of the pavement marking

Location:

- 2, 3, & 5 Lane Pavements – right edge of pavement in direction of increasing stations
- Multi-Lane Divided Roadways – outside edge of pavement in both directions
- Ramps – along baseline edge of pavement

Position – stations shall be placed so they can be read from the adjacent shoulder

Format – English (Metric) pavement stations shall use this format \*XXX (XX+X00)\*, where X represents the pavement station

This work will not be paid for separately, but will be included in the cost of the associated pavement and/or overlay pay items.

|                                       |  |            |           |   |   |  |         |                 |                 |              |  |
|---------------------------------------|--|------------|-----------|---|---|--|---------|-----------------|-----------------|--------------|--|
| FILE NAME :                           | USER NAME : gmfauel                          | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>INDEX OF SHEETS, GENERAL NOTES, AND PROJECT SPECIFIC NOTES</b> | F.A.P.<br>RTE.                               | SECTION | COUNTY          | TOTAL<br>SHEETS | SHEET<br>NO. |  |
| S:\GEN\WINWORD\STD&PLNS\Squad03\68069 | IL 29 Overlay - Creve Coeur\IL29 Overlay - C | CHECKED -  | REVISED - |   |   | 669  | 11RS-12 | TAZENELL        | 42              | 3            |  |
|                                       | PLOT SCALE = 10.0000' / 1"                   | DATE -     | REVISED - |   |   | SCALE:                                       |         | SHEET OF SHEETS |                 | STA. TO STA. |  |
|                                       | PLOT DATE = 2/7/2018                         |            |           |   |   | ILLINOIS FED. AID PROJECT CONTRACT NO. 68069 |         |                 |                 |              |  |

**GENERAL NOTES (CONTINUED)**

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

|   |                                     |                      |                         |
|---|-------------------------------------|----------------------|-------------------------|
| Mixture Use(s):                             | Shoulders (2"); Median Surface (4") | Polymer Surface 1.5" | Polymer Level Binder 1" |
| AC/PC:                                      | PG 64-22                            | SBS or SBR 76-28     | SBS or SBR 76-22        |
| Design Air Voids:                           | 4.0% @ N=50                         | 4.0% N=70            | 4.0% N=50               |
| Mixture Composition:<br>(Gradation Mixture) | IL 9.5FG                            | IL 9.5               | IL 4.75                 |
| Friction Aggregate:                         | N.A.                                | Mix E                | N.A.                    |
| Quality Management:                         | QCQA                                | QCP                  | QCQA                    |

**Note:**

- 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal aggregate size.
- 2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y/in., unless otherwise noted.
- 3) Sublot sizes for PFP and QCP mixes will be 700 tons, unless otherwise agreed to by the Engineer and the paving contractor

**BUTT JOINT CUTTING TIME RESTRICTION**

Butt joints shall not be milled more than three (3) days prior to placement of the HMA surface course.

**PAVING SURFACE COURSE**

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

**PROJECT SPECIFIC NOTES**

All pavement and shoulder surfaces must be dry prior to the placement of Tack Coat.

When milling the outer 4 feet of existing pavement in the northbound and southbound directions from Sta. 180+54 to Sta. 200+08, existing PCC widening will be encountered. Milling this existing PCC widening along with its HMA overlay will be paid for at the contract unit price per square yard for HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2".

HOT-MIX ASPHALT MEDIAN SURFACE, 4" shall be constructed in accordance with Section 408 of the Standard Specifications and will be paid for at the contract unit price per square foot for HOT-MIX ASPHALT MEDIAN SURFACE, 4".

CURB CUT shall consist of cutting the existing curb horizontally to provide a 2" curb height above the proposed HMA surface course. Cutting the curb and disposing of waste in accordance with Article 202.03 of the Standard Specifications will be paid for at the contract unit price per foot for CURB CUT.

MEDIAN SURFACE REMOVAL shall consist of removal and disposal of existing 4" HMA median surface or 4" PCC median surface. This work shall be done in accordance with Section 440 of the Standard Specifications and will be paid for at the contract unit price per square foot for MEDIAN SURFACE REMOVAL.

|   |                     |            |                           |   |   |                 |          |        |                 |              |
|---|---------------------|------------|---------------------------|---|---|-----------------|----------|--------|-----------------|--------------|
| FILE NAME =   | USER NAME = horstkj | DESIGNED - | REVISED -                 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>INDEX OF SHEETS, GENERAL NOTES, AND PROJECT SPECIFIC NOTES</b> | F.A.P.<br>RTE.  | SECTION  | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| Q:\PD\GEN\WINWORD\ST&PLNS\Squad83\68069 IL 29 Overlay - Crave Coor\IL29 Overlay - DRAW\Coor.dgn | CHECKED -           | REVISED -  | 669                       |   |   | 11RS-12         | TAZEWELL | 42     | 4               |              |
| PLOT SCALE = 10.0000' / in.   | DATE -              | REVISED -  | CONTRACT NO. 68D69        |   |   |                 |          |        |                 |              |
| PLOT DATE = 2/9/2018  | DATE -              | REVISED -  | ILLINOIS FED. AID PROJECT |   |   |                 |          |        |                 |              |
|   |                     |            |                           |   | SCALE:  | SHEET OF SHEETS |          | STA.   | TO STA.         |              |



Status of Utilities

Name of Utility Company \_\_\_\_\_

Route FAP 669/US 24/IL 29

Village of Creve Coeur

Section 11RS-12

County Tazewell

Contract No. 68D69

Catalog No. 035492-00D

| Route | Offset   | Location    | Type of Utility  | Type of Conflict | Disposition |
|-------|----------|-------------|------------------|------------------|-------------|
| IL 29 | 31.7' LT | STA. 198+62 | Sanitary Manhole | New Pavement     | Adjust      |
|       |          |             |                  |                  |             |
|       |          |             |                  |                  |             |

Please Note that items below have not been claimed by any utility. Please verify ownership.

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NOTE: Please check all your facilities within the construction limits of this project.

Printed 2/7/2018

D4 PD0100 (Rev. 02/24/10)

MODEL: Default  
FILE NAME: S:\GENWIN\NO\INVEST\TAC\MS\Sub\68D69\_11\_23\_Overlay - Creve Coeur\1123 Overlay - Creve Coeur.dgn

|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = greifzual        | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000 / 1 in. | DRAWN -    | REVISED - |
| PLOT DATE = 2/7/2018         | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STATUS OF UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

|                             |         |          |              |           |
|-----------------------------|---------|----------|--------------|-----------|
| F.A.P. RTE.                 | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |
| 669                         | 11RS-12 | TAZEWELL | 42           | 5         |
| CONTRACT NO. 68D69          |         |          |              |           |
| ILLINOIS   FED. AID PROJECT |         |          |              |           |

| CODE NO. | ITEM   | UNIT  | TOTAL QUANTITY | CONSTRUCTION CODE |              |
|----------|--|-------|----------------|-------------------|--------------|
|          |  |       |                | 80/20             | 80/20        |
|          |  |       |                | (FED./STATE)      | (FED./STATE) |
|          |  |       |                | ROADWAY           | SAFETY       |
|          |  |       |                | 0005              | 0021         |
| 35400520 | PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 12"          | SQ YD | 34             | 34                |              |
| 40600827 | POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 | TON   | 2381           | 2381              |              |
| 40600982 | HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT             | SQ YD | 389            | 389               |              |
| 40600990 | TEMPORARY RAMP   | SQ YD | 2619           | 2619              |              |
| 40603565 | POLYMERIZED HOT - MIX ASPHALT SURFACE COURSE, MIX "E", N70 | TON   | 3574           | 3574              |              |
| 42000060 | WELDED WIRE REINFORCEMENT                                  | SQ YD | 240            | 240               |              |
| 44000157 | HOT - MIX ASPHALT SURFACE-REMOVAL, 2 "                     | SQ YD | 7338           | 7338              |              |
| 44000159 | HOT - MIX ASPHALT SURFACE REMOVAL, 2 1/2"                  | SQ YD | 42349          | 42349             |              |
| 44004250 | PAVED SHOULDER REMOVAL                                     | SQ YD | 34             | 34                |              |
| 44201007 | CLASS B PATCHES, TYPE II, 13 INCH                          | SQ YD | 411            | 411               |              |
| 44201011 | CLASS B PATCHES, TYPE III, 13 INCH                         | SQ YD | 189            | 189               |              |
| 44201013 | CLASS B PATCHES, TYPE IV, 13 INCH                          | SQ YD | 51             | 51                |              |
| 44201299 | DOWEL BARS 1 1/2"  | EACH  | 1090           | 1090              |              |
| 44213200 | SAW CUTS   | FOOT  | 3060           | 3060              |              |

14

MODEL: Default  
FILE: \\NET1\SERVER\WINMGRD\STDP\PLUS\Schemata\BBS\IL\_20\_Quantty - Create Count\IL20\_Quantty - Create Count.dgn

|                            |            |           |   |                              |                           |         |          |                 |              |  |
|----------------------------|------------|-----------|---|------------------------------|---------------------------|---------|----------|-----------------|--------------|--|
| USER NAME = Feyantnd       | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SUMMARY OF QUANTITIES</b> | F.A.P.<br>RTE.            | SECTION | COUNTY   | TOTAL<br>SHEETS | SHEET<br>NO. |  |
| PLOT SCALE = 10.0000' / 1" | DRAWN -    | REVISED - |   |                              | 669                       | 11RS-12 | TAZEWELL | 42              | 6            |  |
| PLOT DATE = 2/8/2018       | CHECKED -  | REVISED - |   |                              | CONTRACT NO. 68D69        |         |          |                 |              |  |
|                            | DATE -     | REVISED - |   |                              | ILLINOIS FED. AID PROJECT |         |          |                 |              |  |

| CODE NO.   | ITEM   | UNIT   | TOTAL QUANTITY | CONSTRUCTION CODE     |                       |
|------------|--|--------|----------------|-----------------------|-----------------------|
|            |  |        |                | 80/20<br>(FED./STATE) | 80/20<br>(FED./STATE) |
|            |  |        |                | ROADWAY<br>0005       | SAFTEY<br>0021        |
| 44213204   | TIE BARS 3/4"  | EACH   | 146            | 146                   |                       |
| 48203100   | HOT - MIX ASPHALT SHOULDERS                              | TON    | 822            | 822                   |                       |
| 60235700   | INLETS, TYPE A, TYPE 3 FRAME AND GRATE                   | EACH   | 1              | 1                     |                       |
| 60500060   | REMOVING INLETS  | EACH   | 1              | 1                     |                       |
| 60618210   | HOT-MIX ASPHALT MEDIAN SURFACE, 4"                       | SQ FT  | 21561          | 21561                 |                       |
| * 63000001 | STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS        | FOOT   | 1350           | 1350                  |                       |
| 64300530   | IMPACT ATTENUATORS (PARTIALLY REDIRECTIVE), TEST LEVEL 3 | EACH   | 6              | 6                     |                       |
| 67100100   | MOBILIZATION   | L SUM  | 1              | 1                     |                       |
| 70100420   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701411          | EACH   | 2              | 2                     |                       |
| 70102630   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701601          | L SUM  | 1              | 1                     |                       |
| 70102632   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701602          | L SUM  | 1              | 1                     |                       |
| 70102635   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701          | L SUM  | 1              | 1                     |                       |
| 70103815   | TRAFFIC CONTROL SURVEILLANCE                             | CAL DA | 10             | 10                    |                       |
| 70300100   | SHORT-TERM PAVEMENT MARKING                              | FOOT   | 9431           | 9431                  |                       |

\* SPECIALTY ITEM

MODEL: C:\p\...  
 FILE NAME: C:\P\...  
 IL 29 Overlay - Crave Concr.dgn

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = gmfzuel         | DESIGNED - | REVISED - |
| PLLOT SCALE = 10.0000 / in. | DRAWN -    | REVISED - |
| PLLOT DATE = 2/7/2018       | CHECKED -  | REVISED - |
|                             | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

|                       |                    |                    |                       |                           |
|-----------------------|--------------------|--------------------|-----------------------|---------------------------|
| F.A.P.<br>RTE.<br>669 | SECTION<br>11RS-12 | COUNTY<br>TAZEWELL | TOTAL<br>SHEETS<br>42 | SHEET<br>NO.<br>7         |
| CONTRACT NO. 68069    |                    |                    |                       | ILLINOIS FED. AID PROJECT |

14

MODEL Default  
FILE NAME: S:\ENR\IN\ORD\STDR\PLNS\68D69\68D69 IL\_P2\_Overlays - Cross Corner.dgn

| CODE NO.   | ITEM   | UNIT  | TOTAL QUANTITY | CONSTRUCTION CODE     |                       |
|------------|--|-------|----------------|-----------------------|-----------------------|
|            |  |       |                | 80/20<br>(FED./STATE) | 80/20<br>(FED./STATE) |
|            |  |       |                | ROADWAY<br>0005       | SAFETY<br>0021        |
| 70300150   | SHORT TERM PAVEMENT MARKING .REMOVAL                     | SQ FT | 1065           | 1065                  |                       |
| * 78003130 | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"     | FOOT  | 3810           | 3810                  |                       |
| * 78009000 | MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 442            | 442                   |                       |
| * 78009004 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4"             | FOOT  | 17017          | 17017                 |                       |
| * 78009008 | MODIFIED URETHANE PAVEMENT MARKING -- LINE 8"            | FOOT  | 2831           | 2831                  |                       |
| * 78009012 | MODIFIED URETHANE PAVEMENT MARKING -- LINE 12"           | FOOT  | 970            | 970                   |                       |
| * 78009024 | MODIFIED URETHANE PAVEMENT MARKING -- LINE 24"           | FOOT  | 228            | 228                   |                       |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER                        | EACH  | 346            | 346                   |                       |
| * 78200005 | GUARDRAIL REFLECTORS, TYPE A                             | EACH  | 22             | 22                    |                       |
| * 78200020 | CURB REFLECTORS  | EACH  | 248            | 248                   |                       |
| 78300200   | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL                | EACH  | 239            | 239                   |                       |
| * 81400700 | HANDHOLE, PORTLAND CEMENT CONCRETE                       | EACH  | 1              |                       | 1                     |
| * 87301255 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C              | FOOT  | 187.5          |                       | 187.5                 |
| * 88200510 | TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE                | EACH  | 2              |                       | 2                     |

\* SPECIALTY ITEM

14

|                           |            |           |
|---------------------------|------------|-----------|
| USER NAME = graefzuel     | DESIGNED - | REVISED - |
|                           | DRAWN -    | REVISED - |
| PLT SCALE = 10.0000' / 1" | CHECKED -  | REVISED - |
| PLT DATE = 2/7/2018       | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

|                    |         |          |                           |           |
|--------------------|---------|----------|---------------------------|-----------|
| F.A.P. RTE.        | SECTION | COUNTY   | TOTAL SHEETS              | SHEET NO. |
| 669                | 11RS-12 | TAZEWELL | 42                        | 8         |
| CONTRACT NO. 68D69 |         |          | ILLINOIS FED. AID PROJECT |           |



| CODE NO.   | ITEM  | UNIT   | TOTAL QUANTITY | CONSTRUCTION CODE |              |
|------------|---|--------|----------------|-------------------|--------------|
|            |   |        |                | 80/20             | 80/20        |
|            |   |        |                | (FED./STATE)      | (FED./STATE) |
|            |   |        |                | ROADWAY           | SAFETY       |
|            |   |        |                | 0005              | 0021         |
| * 88600100 | DETECTOR LOOP, TYPE I   | FOOT   | 1479           |                   | 1479         |
| * 89502105 | REBUILD EXISTING SIGNAL HEAD, LED                                   | EACH   | 2              |                   | 2            |
| * 89502210 | MODIFY EXISTING CONTROLLER CABINET                                  | EACH   | 1              |                   | 1            |
| X0300004   | BITUMINOUS MATERIALS (TACK COAT), SPECIAL                           | POUND  | 109213         | 109213            |              |
| * X0320028 | RELOCATE EXISTING CCTV CAMERAS                                      | LSUM   | 1              |                   | 1            |
| X0322494   | CURB CUT  | FOOT   | 2589           | 2589              |              |
| X4400196   | HOT - MIX ASPHALT SURFACE REMOVAL, SPECIAL                          | SQ YD  | 332            | 332               |              |
| X4403800   | MEDIAN SURFACE REMOVAL  | SQ FT  | 21561          | 21561             |              |
| X7015005   | CHANGEABLE MESSAGE SIGN   | CAL DA | 280            | 280               |              |
| * X7830068 | GROOVING FOR RECESSED PAVEMNT MARKING, LETTERS, NUMBERS AND SYMBOLS | SQ FT  | 442            | 442               |              |
| * X7830070 | GROOVING FOR RECESSED PAVEMENT MARKING 5"                           | FOOT   | 17017          | 17017             |              |
| * X7830074 | GROOVING FOR RECESSED PAVEMENT MARKING 7"                           | FOOT   | 3810           | 3810              |              |
| * X7830076 | GROOVING FOR RECESSED PAVEMENT MARKING 9"                           | FOOT   | 2831           | 2831              |              |
| * X7830078 | GROOVING FOR RECESSED PAVEMENT MARKING 13"                          | FOOT   | 970            | 970               |              |

\*SPECIALTY ITEM

14

MODEL: Default  
FILE NAME: S:\ENR\INORD\STATE\IL\IS\Signal\23\68069\_IL\_23\_Dwgs\Day - Create\Constr.dgn

|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = faganrtd         | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / 1" = | CHECKED -  | REVISED - |
| PLOT DATE = 2/8/2018         | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

|                           |                    |                    |                    |                |
|---------------------------|--------------------|--------------------|--------------------|----------------|
| F.A.P. RTE.<br>669        | SECTION<br>IIRS-12 | COUNTY<br>TAZEWELL | TOTAL SHEETS<br>42 | SHEET NO.<br>9 |
| CONTRACT NO. 68069        |                    |                    |                    |                |
| ILLINOIS FED. AID PROJECT |                    |                    |                    |                |

Model Default  
 FILE NAME: S:\EN\PROJECTS\PLANS\Signed\68069 IL 29 Overlay - Crews Construction - Crews Construction.dgn

| CODE NO.   | ITEM  | UNIT  | TOTAL QUANTITY | CONSTRUCTION CODE |              |
|------------|---|-------|----------------|-------------------|--------------|
|            |   |       |                | 80/20             | 80/20        |
|            |   |       |                | (FED./STATE)      | (FED./STATE) |
|            |   |       |                | ROADWAY           | SAFTEY       |
|            |   |       |                | 0005              | 0021         |
| * X7830090 | GROOVING FOR RECESSED PAVEMENT MARKING 25"  | FOOT  | 228            | 228               |              |
| * X8440110 | RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE | EACH  | 1              |                   | 1            |
| XZ013798   | CONSTRUCTION STATION LAYOUT                 | L SUM | 1              | 1                 |              |
| Z0034105   | MATERIAL TRANSFER DEVICE                    | TON   | 5955           | 5955              |              |
|            |   |       |                |                   |              |
|            |   |       |                |                   |              |
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|            |   |       |                |                   |              |

4  
 \* SPECIALTY ITEM

| RESURFACING SCHEDULE  |        |    |        |  |  |   |   |   |   |  |  |  |                               |  |  |
|---|--------|----|--------|--|--|---|---|---|---|--|--|--|-------------------------------|--|--|
| LOCATION  |        |    |        | 44004250<br>PAVED<br>SHOULDER<br>REMOVAL | 40600982<br>HOT-MIX<br>ASPHALT<br>SURFACE<br>REMOVAL -<br>BUTT JOINT | 44000157<br>HOT-MIX<br>ASPHALT<br>SURFACE<br>REMOVAL,<br>2" | 44000159<br>HOT-MIX<br>ASPHALT<br>SURFACE<br>REMOVAL,<br>2 1/2" | 35400520<br>PORTLAND<br>CEMENT<br>CONCRETE<br>BASE COURSE<br>WIDENING 12" | 48203100<br>HOT-MIX<br>ASPHALT<br>SHOULDERS | X0300004<br>BITUMINOUS<br>MATERIALS<br>(TACK COAT),<br>SPECIAL | 40600827<br>POLYMERIZED<br>LEVELING BINDER<br>(MACHINE<br>METHOD), IL 4.75,<br>N50 | 40603565<br>POLYMERIZED<br>HOT-MIX<br>ASPHALT<br>SURFACE COURSE,<br>MIX "E", N70 | 40600990<br>TEMPORARY<br>RAMP | X4400196<br>HOT-MIX<br>ASPHALT<br>SURFACE<br>REMOVAL,<br>SPECIAL | Z0034105<br>MATERIAL<br>TRANSFER<br>DEVICE |
| IL 29   |        |    |        | SQ YD                                    | SQ YD  | SQ YD   | SQ YD   | SQ YD   | TON   | POUND  | TON  | TON  | SQ YD                         | SQ YD  | TON  |
| STA   | 180+54 | TO | 231+76 |  | 379.0  |   | 42349.0   |   |   | 103800.5   | 2380.5   | 3573.2   | 2619.0                        |  | 5,955.0                                    |
| FISCHER ROAD  |        |    | TO     | 231+76                                   |  | 7338.0  |   | 822.0   |   |  |  |  |                               |  |  |
| STA   | 198+10 | TO | 199+32 |  | 34.0   |   |   | 34.0  |   |  |  |  |                               |  |  |
| HOMEWOOD AVENUE   |        |    |        |  |  | 10.0  |   |   |   | 21.5   | 0.5  | 0.8  |                               |  |  |
| MEDIAN WORK   |        |    |        |  |  |   |   |   |   | 5391.0   |  |  |                               |  |  |
| NB/SB BETWEEN INSIDE & BI-DIRECTIONAL TURN LANE STA. 180+54 TO 200+00 |        |    |        |  |  |   |   |   |   |  |  |  |                               | 216.2  |  |
| SB BETWEEN MIDDLE & OUTSIDE LANE STA. 200+00 TO 206+00                |        |    |        |  |  |   |   |   |   |  |  |  |                               | 33.3   |  |
| SB BETWEEN OUTSIDE LANE & RAMP STA. 202+00 TO 206+00                  |        |    |        |  |  |   |   |   |   |  |  |  |                               | 22.2   |  |
| NB BETWEEN OUTSIDE LANE & RAMP STA. 218+30 TO 221+00                  |        |    |        |  |  |   |   |   |   |  |  |  |                               | 15.0   |  |
| SB BETWEEN INSIDE LANE & TURN LANE STA. 220+00 TO 224+20              |        |    |        |  |  |   |   |   |   |  |  |  |                               | 23.3   |  |
| NB BETWEEN OUTSIDE LANE & RAMP STA. 225+20 TO 229+00                  |        |    |        |  |  |   |   |   |   |  |  |  |                               | 21.1   |  |
| TOTALS  |        |    |        | 34                                       | 389  | 7,338   | 42,349  | 34  | 822   | 109,213  | 2,381  | 3,574  | 2,619                         | 332  | 5,955                                      |

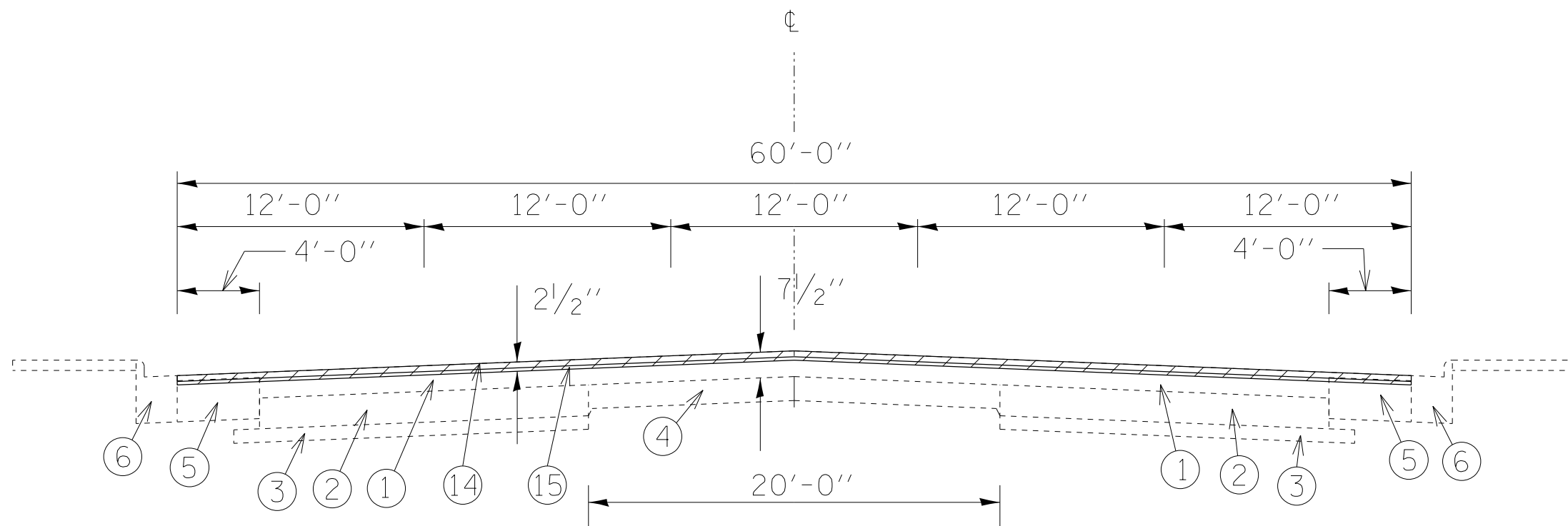
| DRAINAGE SCHEDULE |       |                                |  |
|-------------------|-------|--------------------------------|--|
| LOCATION          |       | 60500060<br>REMOVING<br>INLETS | 60235700<br>INLETS, TYPE A,<br>TYPE 3 FRAME &<br>GRATE |
| IL 29             | LT/RT | EACH                           | EACH   |
| STA. 225+76       | LT    | 1                              | 1  |
| TOTALS            |       | 1                              | 1  |

| MOBILIZATION             |       |
|--------------------------|-------|
| 67100100<br>MOBILIZATION |       |
| LOCATION                 | L SUM |
| JOBSITE                  | 1     |
| TOTAL                    | 1     |

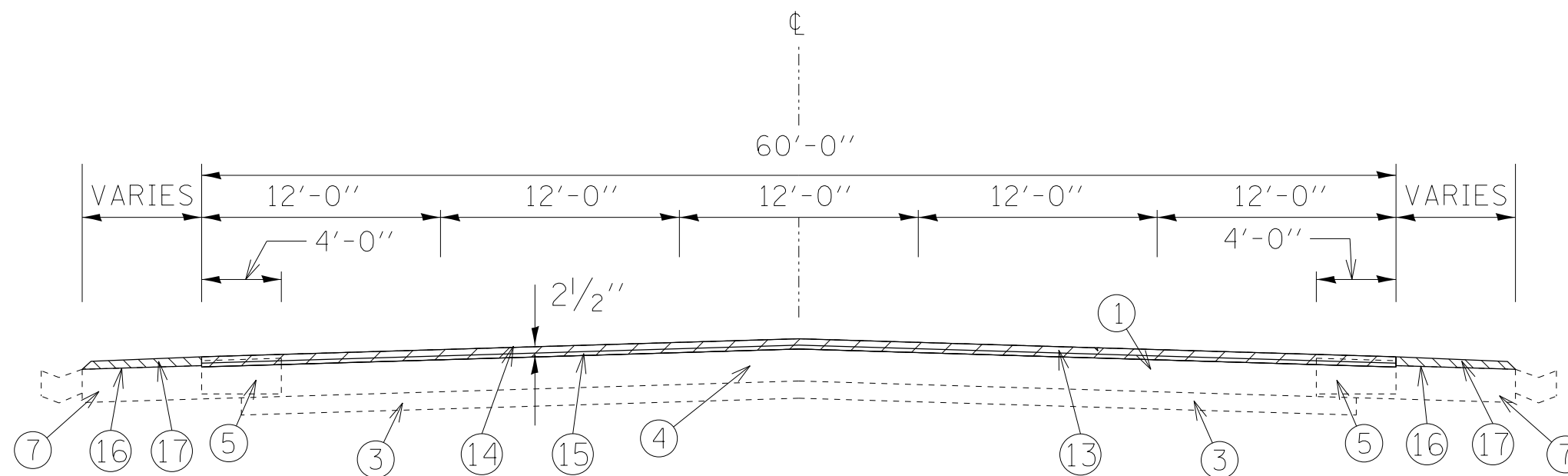
| CONSTRUCTION LAYOUT                     |       |
|---|-------|
| XZ013798<br>CONSTRUCTION STATION LAYOUT |       |
| LOCATION                                | L SUM |
| JOBSITE                                 | 1     |
| TOTAL                                   | 1     |

| PAVEMENT MARKING SCHEDULE |        |    |        |   |  |  |  |   |                  |                     |             |  |   |   |  |                                |   |  |  |  |  |  |  |
|---------------------------|--------|----|--------|---|--|--|--|---|------------------|---------------------|-------------|--|---|---|--|--------------------------------|---|--|--|--|--|--|--|
| LOCATION                  |        |    |        | 70300100<br>SHORT-TERM<br>PAVEMENT<br>MARKING | 70300150<br>SHORT-TERM<br>PAVEMENT<br>MARKING<br>REMOVAL | 78003130<br>PREFORMED<br>PLASTIC<br>PAVEMENT<br>MARKING, TYPE<br>B - LINE 6" | 78009000<br>MODIFIED<br>URETHANE<br>PAVEMENT<br>MARKING - LINE<br>LETTERS AND<br>SYMBOLS | 78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" |                  |                     |             | 78009008<br>MODIFIED<br>URETHANE<br>PAVEMENT<br>MARKING -<br>LINE 8" | 78009012<br>MODIFIED<br>URETHANE<br>PAVEMENT<br>MARKING -<br>LINE 12" | 78009024<br>MODIFIED<br>URETHANE<br>PAVEMENT<br>MARKING -<br>LINE 24" | 78100100<br>RAISED<br>REFLECTIVE<br>PAVEMENT<br>MARKER | 78200020<br>CURB<br>REFLECTORS | 78300200<br>RAISED<br>REFLECTIVE<br>PAVEMENT<br>MARKER<br>REMOVAL | X7830068<br>GROOVING FOR<br>RECESSED<br>PAVEMENT<br>MARKING,<br>LETTERS,<br>NUMBERS AND<br>SYMBOLS | X7830070<br>GROOVING<br>FOR<br>RECESSED<br>PAVEMENT<br>MARKING, 5" | X7830074<br>GROOVING<br>FOR<br>RECESSED<br>PAVEMENT<br>MARKING, 7" | X7830076<br>GROOVING<br>FOR<br>RECESSED<br>PAVEMENT<br>MARKING, 9" | X7830078<br>GROOVING<br>FOR<br>RECESSED<br>PAVEMENT<br>MARKING,<br>13" | X7830090<br>GROOVING<br>FOR<br>RECESSED<br>PAVEMENT<br>MARKING,<br>25" |
| IL 29                     |        |    |        | FOOT  | SQ FT  | FOOT   | SQ FT  | FOOT  |                  |                     |             | FOOT   | FOOT  | FOOT  | EACH   | EACH                           | EACH  | SQ FT  | FOOT   | FOOT   | FOOT   | FOOT   | FOOT   |
| STA                       | 180+54 | TO | 231+76 | 9431.0  | 1065.0   | 3810.0   | 442.0  | SOLID YELLOW  | SKIP-DASH YELLOW | DOUBLE SOLID YELLOW | SOLID WHITE | 2831.0   | 970.0   | 228.0   | 346.0  | 248.0                          | 239.0   | 442.0  | 17017.0  | 3810.0   | 2831.0   | 970.0  | 228.0  |
| TOTALS                    |        |    |        | 9,431   | 1,065  | 3,810  | 442  | 17,017  |                  |                     |             | 2,831  | 970   | 228   | 346  | 248                            | 239   | 442  | 17,017   | 3,810  | 2,831  | 970  | 228  |





STA. 180+54.00 TO  
STA. 197+74.03



STA. 197+74.03 TO  
STA. 200+08.00

EXISTING

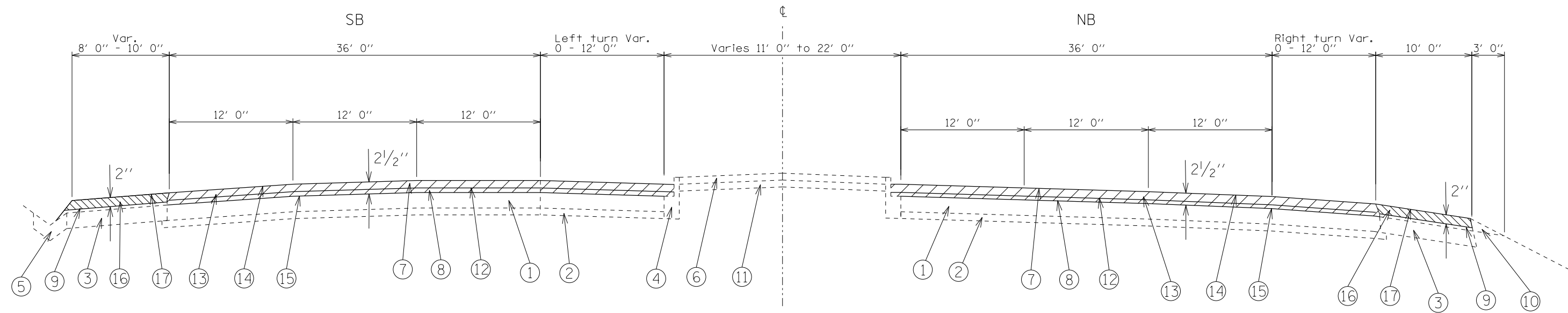
- ① 1 1/2" - 7/2" BIT. CONC. OVERLAY
- ② P.C.C. BASE COURSE (9")
- ③ 4" AGG. SUB-BASE
- ④ P.C.C. PAV'T.
- ⑤ P.C.C. BASE COURSE WIDENING (10")
- ⑥ COMB. CONC. CURB & GUTTER, TY. B6.24
- ⑦ HMA SHOULDER

PROPOSED

- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑭ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (1 1/2")
- ⑮ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL4.75, N50 (1")
- ⑯ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑰ HOT-MIX ASPHALT SHOULDERS, 2"

**DRAWING NOT TO SCALE**

|                                       |  |            |           |   |                         |       |    |        |                           |         |        |              |           |       |
|---------------------------------------|--|------------|-----------|---|-------------------------|-------|----|--------|---------------------------|---------|--------|--------------|-----------|-------|
| FILE NAME =                           | USER NAME = fagentnd                         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>TYPICAL SECTIONS</b> |       |    |        | F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |       |
| S:\GEN\WINWORD\STD&PLNS\Squad03\68D69 | IL 29 Overlay - Creve Coeur\IL29 Overlay - C | DRAWN      | REVISED   |   | SCALE:                  | SHEET | OF | SHEETS | STA.                      | TO STA. | 669    | IIRS-12      | TAZEWELL  | 42 13 |
|                                       | PLOT SCALE = 10.0000' / in.                  | CHECKED -  | REVISED - |   |                         |       |    |        | CONTRACT NO. 68D69        |         |        |              |           |       |
|                                       | PLOT DATE = 2/8/2018                         | DATE -     | REVISED - |   |                         |       |    |        | ILLINOIS FED. AID PROJECT |         |        |              |           |       |



STA. 200+08.00 TO  
STA. 231+76.00

**EXISTING**

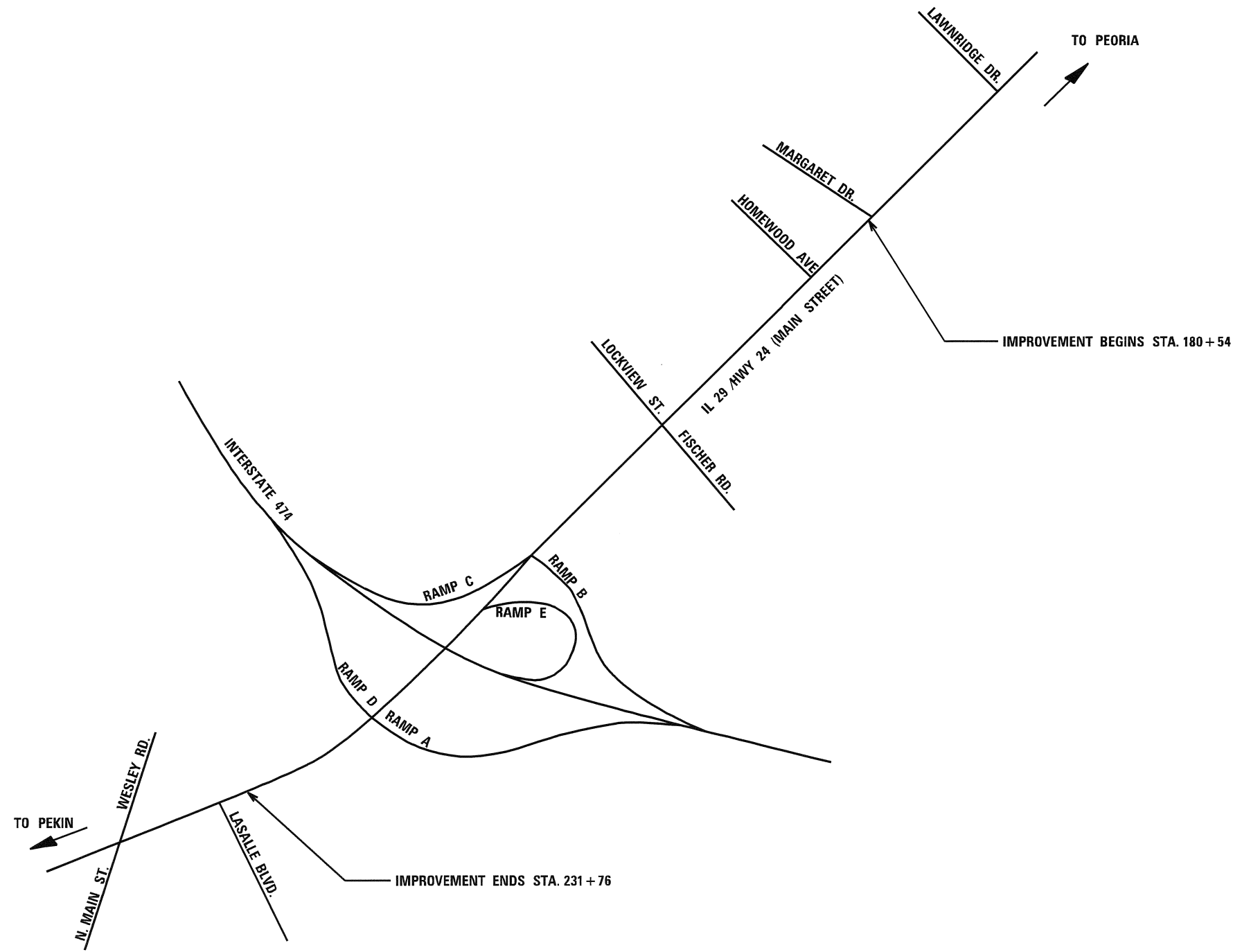
- ① 10" STANDARD REINFORCED PCC PAVEMENT
- ② 4' STABILIZED SUB-BASE
- ③ BITUMINOUS SHOULDER
- ④ COMB C.C.&G. TY B9.24
- ⑤ CONCRETE GUTTER, TYPE A
- ⑥ CONCRETE/TURF MEDIAN
- ⑦ BIT. CONC. SURFACE COURSE 1 1/2"
- ⑧ LEV. BIND. MM TY1 1"
- ⑨ BITUMINOUS SHOULDER OVERLAY
- ⑩ AGGREGATE SHOULDER, TYPE B
- ⑪ AGGREGATE BASE COURSE TYPE B 4"
- ⑫ AREA REFLECTIVE CRACK CONTROL TREATMENT A

**PROPOSED**

- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑭ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (1 1/2")
- ⑮ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL4.75, N50 (1")
- ⑯ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑰ HOT-MIX ASPHALT SHOULDERS, 2"

**DRAWING NOT TO SCALE**

|                                       |  |            |           |   |                         |       |    |        |                           |         |        |              |           |          |    |    |
|---------------------------------------|--|------------|-----------|---|-------------------------|-------|----|--------|---------------------------|---------|--------|--------------|-----------|----------|----|----|
| FILE NAME =                           | USER NAME = greifzuel                        | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>TYPICAL SECTIONS</b> |       |    |        | F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |          |    |    |
| S:\GEN\WINWORD\STD&PLNS\Squad03\68069 | IL 29 Overlay - Creve Coeur\IL29 Overlay - C | DRAWN      | REVISED   |   | SCALE:                  | SHEET | OF | SHEETS | STA.                      | TO      | STA.   | 669          | 11RS-12   | TAZEWELL | 42 | 14 |
|                                       | PLOT SCALE = 10.0000' / in.                  | CHECKED -  | REVISED - |   |                         |       |    |        | CONTRACT NO. 68069        |         |        |              |           |          |    |    |
|                                       | PLOT DATE = 2/7/2018                         | DATE -     | REVISED - |   |                         |       |    |        | ILLINOIS FED. AID PROJECT |         |        |              |           |          |    |    |



**DRAWING NOT TO SCALE**

|                                       |  |            |           |
|---------------------------------------|--|------------|-----------|
| FILE NAME =                           | USER NAME = graefzuel                        | DESIGNED - | REVISED - |
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|                                       | PLOT SCALE = 10,0000' / in.                  | CHECKED -  | REVISED - |
|                                       | PLOT DATE = 2/7/2018                         | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

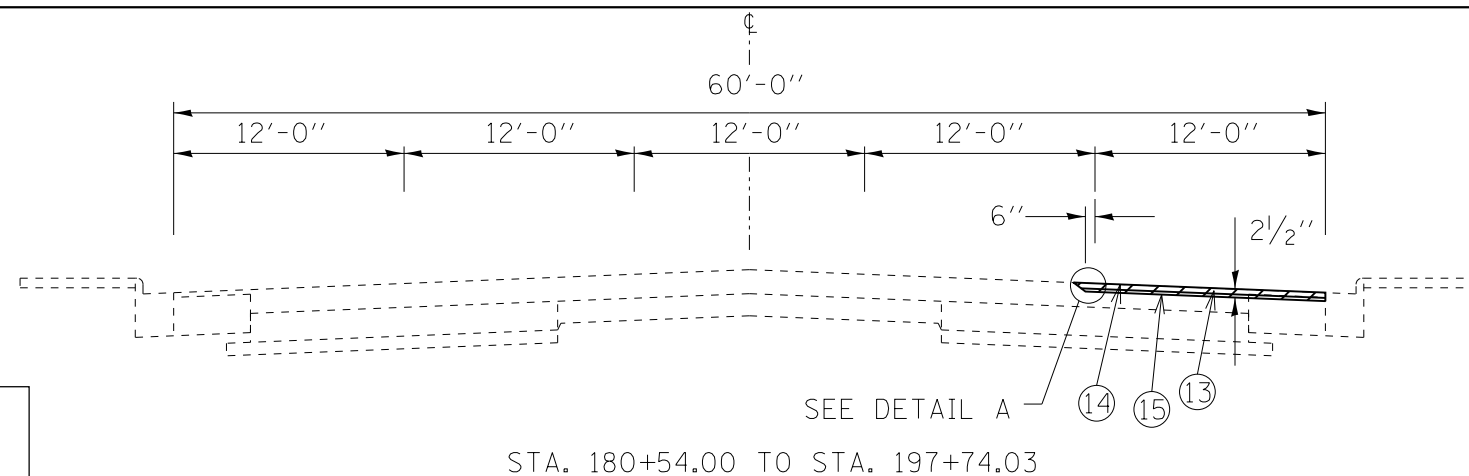
|                     |       |    |        |
|---------------------|-------|----|--------|
| <b>LINE DIAGRAM</b> |       |    |        |
| SCALE:              | SHEET | OF | SHEETS |
|                     | STA.  | TO | STA.   |

| F.A.P. RTE.               | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| 669                       | 11RS-12 | TAZEWELL | 42           | 15        |
| <b>CONTRACT NO. 68069</b> |         |          |              |           |
| ILLINOIS FED. AID PROJECT |         |          |              |           |

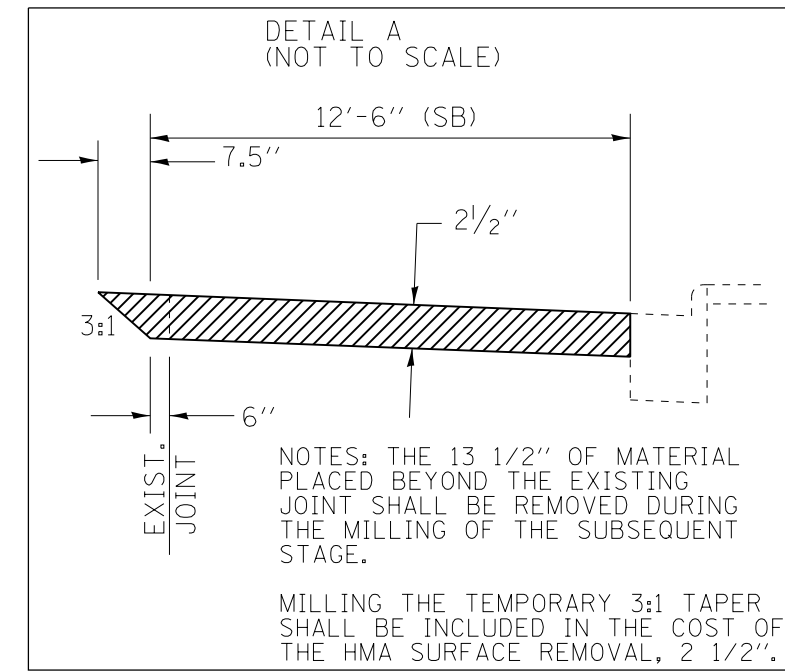
**NOTES:**

1.) NO TRAFFIC (EXCEPT TRAFFIC CROSSING OVER TO AND FROM ENTRANCES AND RAMPS) SHALL BE ALLOWED ON THE MILLED SURFACE OR ON THE PRIMED LEVELING BINDER.

2.) EACH STAGE SHALL BE COMPLETE TO SURFACE COURSE PROPOSED GRADE PRIOR TO PROCEEDING WITH THE NEXT STAGE.

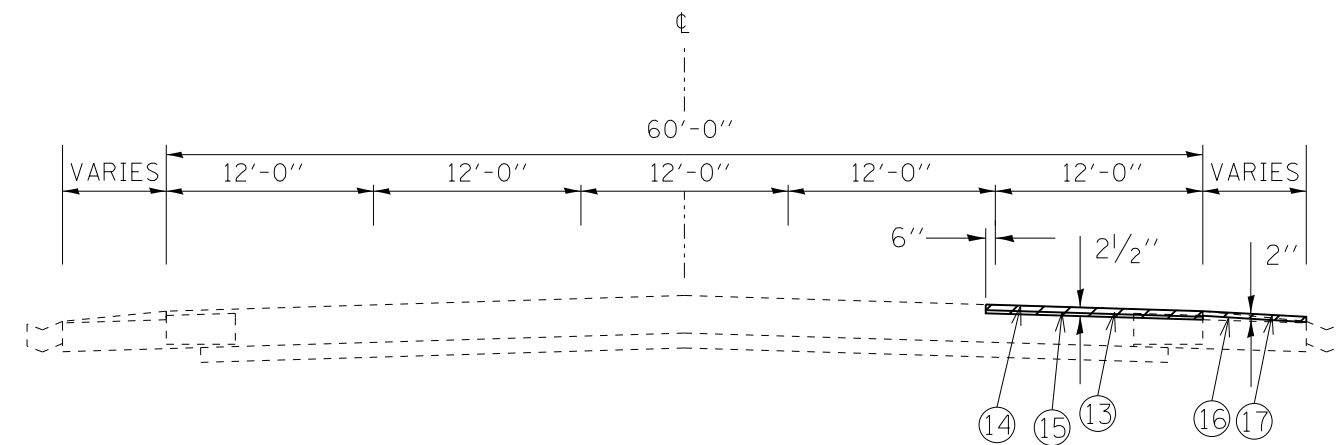


STA. 180+54.00 TO STA. 197+74.03



NOTES: THE 13 1/2" OF MATERIAL PLACED BEYOND THE EXISTING JOINT SHALL BE REMOVED DURING THE MILLING OF THE SUBSEQUENT STAGE.

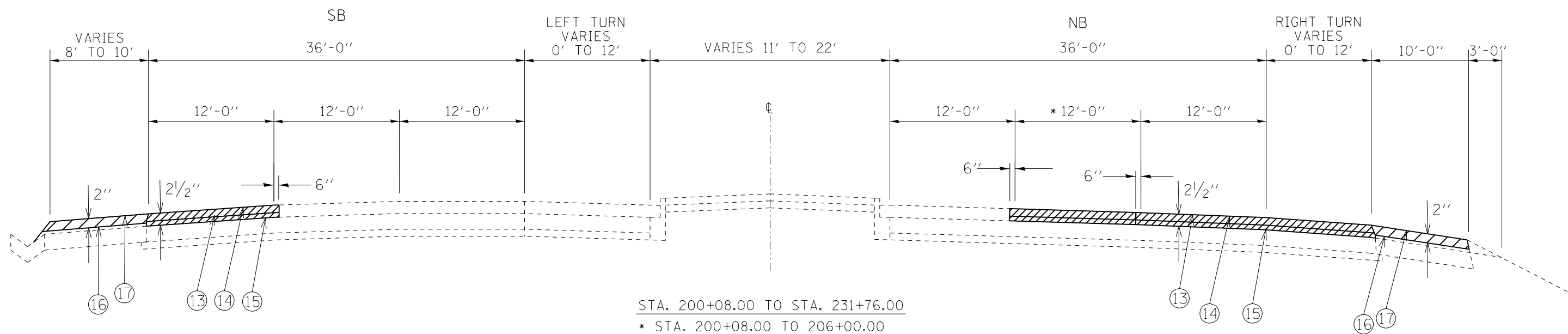
MILLING THE TEMPORARY 3:1 TAPER SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE REMOVAL, 2 1/2".



STA. 197+74.03 TO STA. 200+08.00

**PROPOSED LEGEND:**

- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑭ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (1 1/2")
- ⑮ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL4.75, N50 (1")
- ⑯ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑰ HOT-MIX ASPHALT SHOULDERS, 2"



STA. 200+08.00 TO STA. 231+76.00

\* STA. 200+08.00 TO 206+00.00 TO BE CONSTRUCTED IN STAGE 1

|                                       |  |                       |           |
|---------------------------------------|--|-----------------------|-----------|
| FILE NAME =                           | USER NAME = fagentnd                       | DESIGNED -            | REVISED - |
| S:\GEN\WINWORD\STD&PLNS\Squad03\68069 | IL 29 Overlay - Creve Coeur\IL 29 Pavement | DRAWN Plan Sheets.dgn | REVISED - |
|                                       | PLOT SCALE = 10.0000' / in.                | CHECKED -             | REVISED - |
|                                       | PLOT DATE = 2/7/2018                       | DATE -                | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED STAGING DETAILS  
STAGE 1 TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

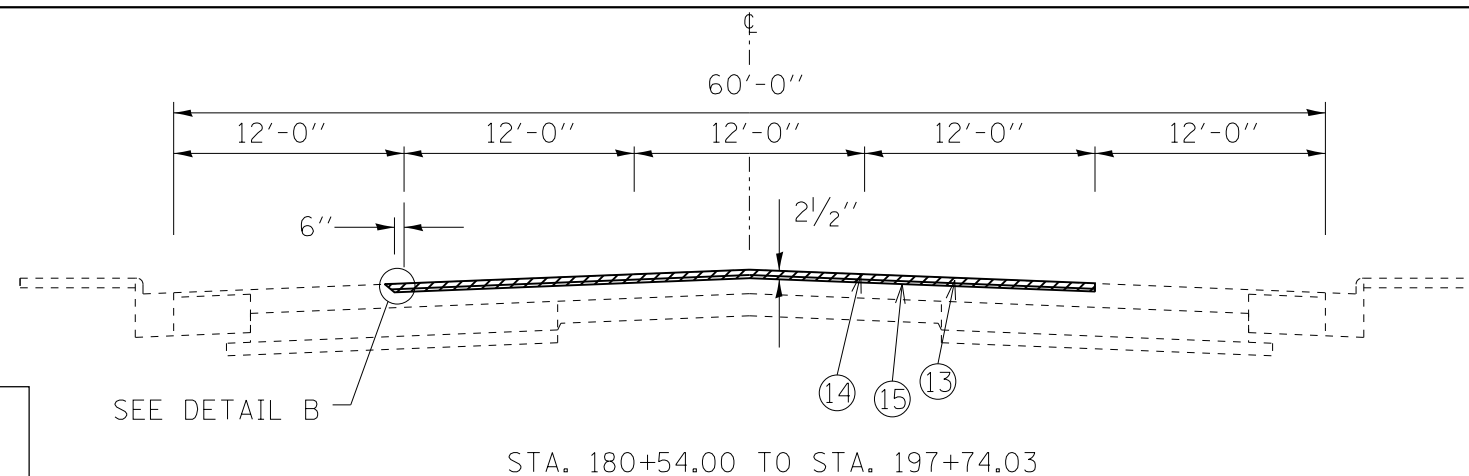
|                           |         |          |              |           |
|---------------------------|---------|----------|--------------|-----------|
| F.A.P. RTE.               | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |
| 669                       | IIRS-12 | TAZEWELL | 42           | 16        |
| CONTRACT NO. 68069        |         |          |              |           |
| ILLINOIS FED. AID PROJECT |         |          |              |           |



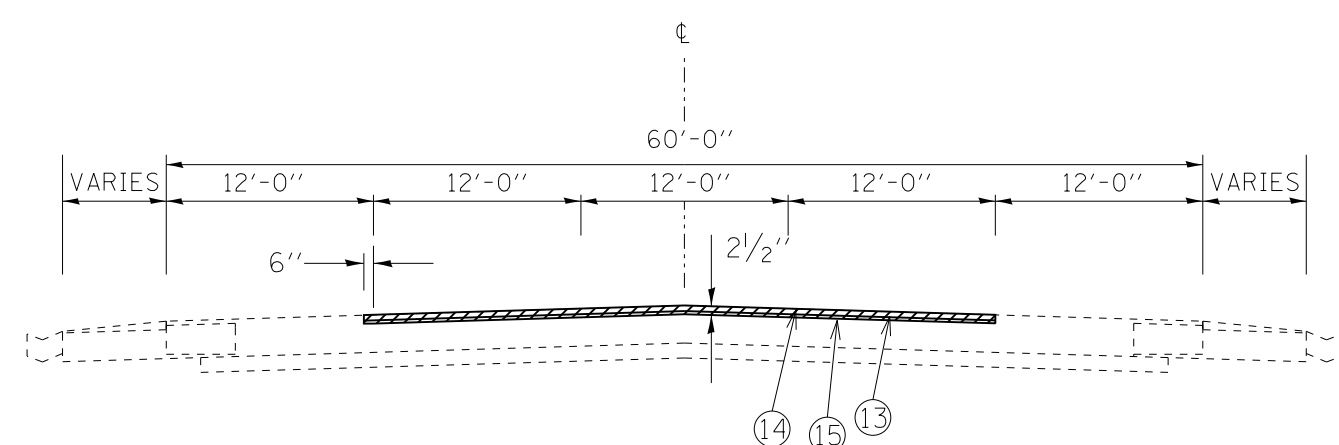
**NOTES:**

1.) NO TRAFFIC (EXCEPT TRAFFIC CROSSING OVER TO AND FROM ENTRANCES AND RAMPS) SHALL BE ALLOWED ON THE MILLED SURFACE OR ON THE PRIMED LEVELING BINDER.

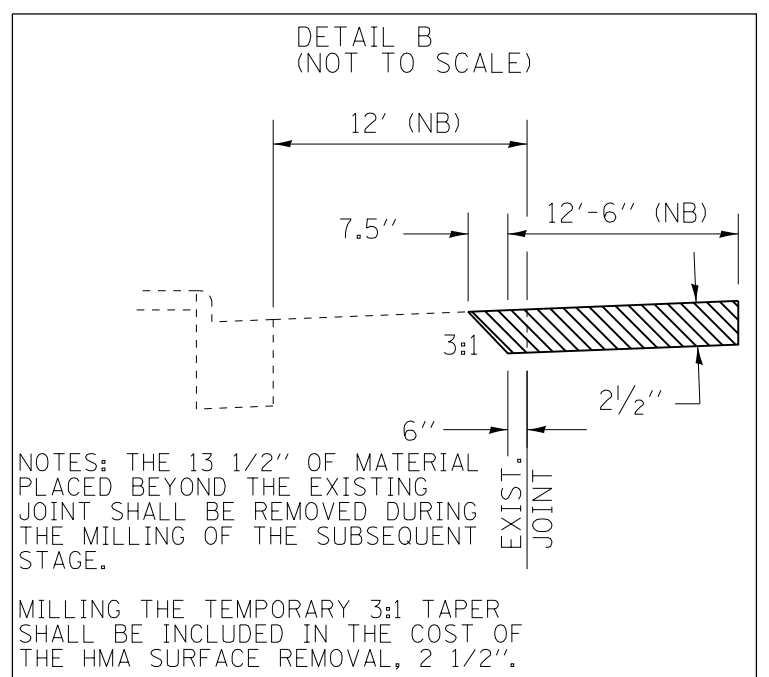
2.) EACH STAGE SHALL BE COMPLETE TO SURFACE COURSE PROPOSED GRADE PRIOR TO PROCEEDING WITH THE NEXT STAGE.



STA. 180+54.00 TO STA. 197+74.03



STA. 197+74.03 TO STA. 200+08.00

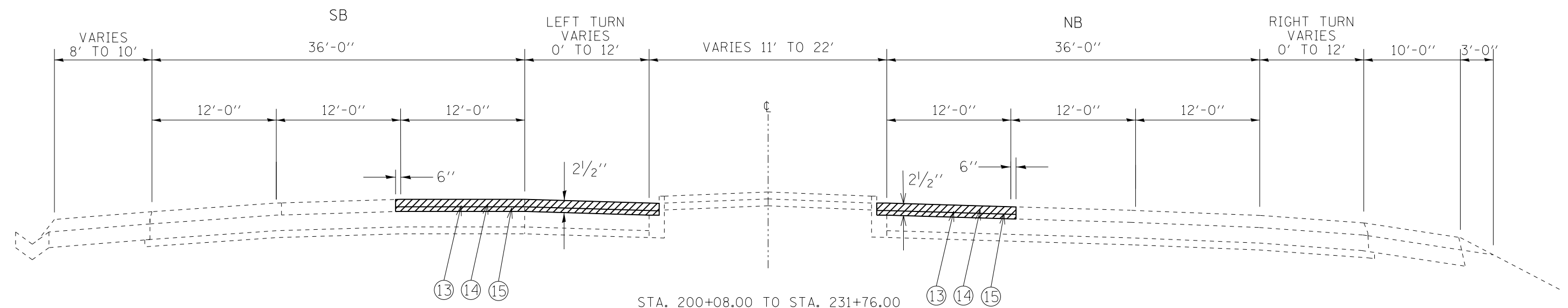


NOTES: THE 13 1/2" OF MATERIAL PLACED BEYOND THE EXISTING JOINT SHALL BE REMOVED DURING THE MILLING OF THE SUBSEQUENT STAGE.

MILLING THE TEMPORARY 3:1 TAPER SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE REMOVAL, 2 1/2".

**PROPOSED LEGEND:**

- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑭ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (1 1/2")
- ⑮ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL4.75, N50 (1")
- ⑯ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑰ HOT-MIX ASPHALT SHOULDERS, 2"



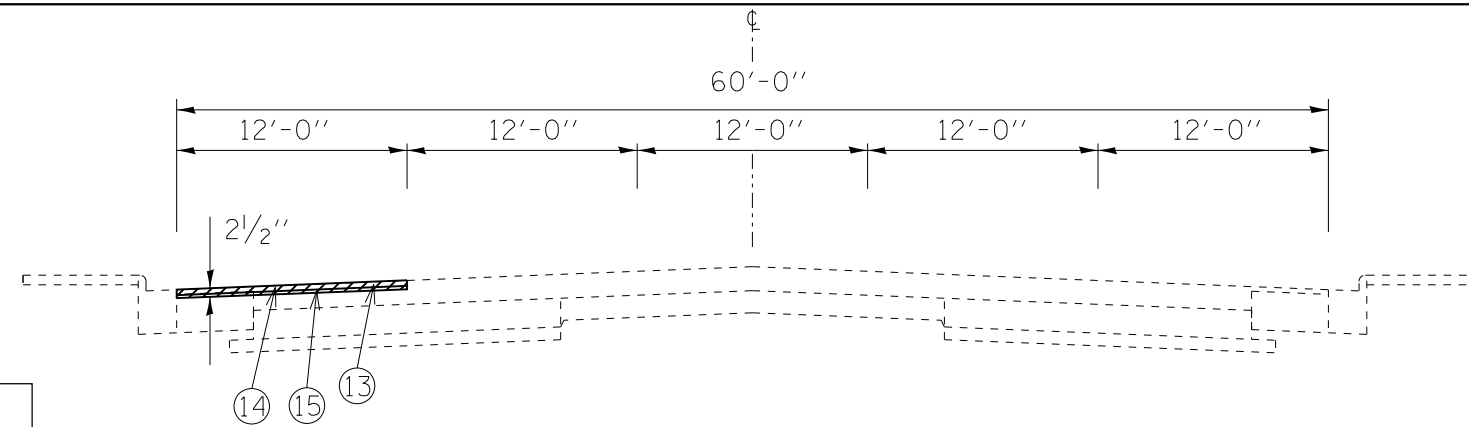
STA. 200+08.00 TO STA. 231+76.00

|                                       |  |                       |                           |   |  |  |  |             |         |          |              |           |
|---------------------------------------|--|-----------------------|---------------------------|---|--|--|--|-------------|---------|----------|--------------|-----------|
| FILE NAME =                           | USER NAME = fagentnd                       | DESIGNED -            | REVISED -                 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED STAGING DETAILS<br/>STAGE 2 TYPICAL SECTIONS</b> |  |  | F.A.P. RTE. | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |
| S:\GEN\WINWORD\STD&PLNS\Squad03\68069 | IL 29 Overlay - Creve Coeur\IL 29 Pavement | DRAWN Plan Sheets.dgn | REVISED -                 |   |  |  |  | 669         | IIRS-12 | TAZEWELL | 42           | 17        |
| PLOT SCALE = 10.0000' / in.           | CHECKED -                                  | REVISED -             | CONTRACT NO. 68069        |   |  |  |  |             |         |          |              |           |
| PLOT DATE = 2/7/2018                  | DATE -                                     | REVISED -             | ILLINOIS FED. AID PROJECT |   |  |  |  |             |         |          |              |           |

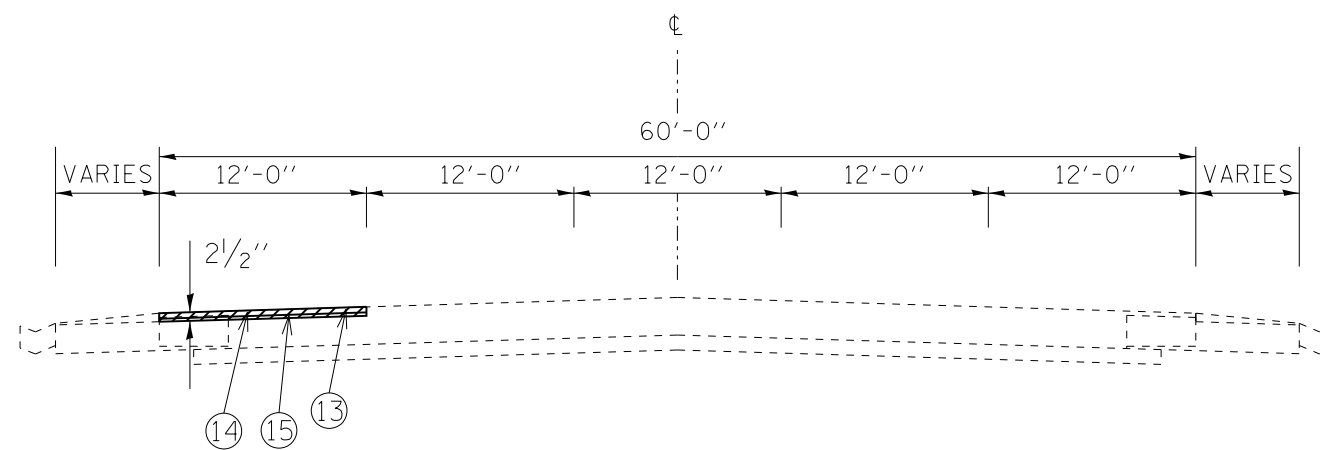
**NOTES:**

1.) NO TRAFFIC (EXCEPT TRAFFIC CROSSING OVER TO AND FROM ENTRANCES AND RAMPS) SHALL BE ALLOWED ON THE MILLED SURFACE OR ON THE PRIMED LEVELING BINDER.

2.) EACH STAGE SHALL BE COMPLETE TO SURFACE COURSE PROPOSED GRADE PRIOR TO PROCEEDING WITH THE NEXT STAGE.



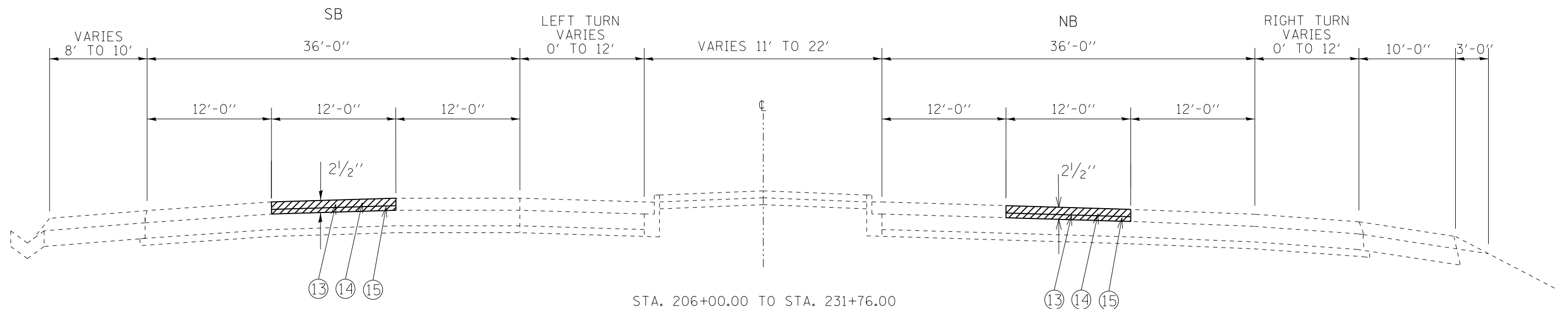
STA. 180+54.00 TO STA. 197+74.03



STA. 197+74.03 TO STA. 200+08.00

**PROPOSED LEGEND:**

- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑭ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (1 1/2")
- ⑮ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL4.75, N50 (1")
- ⑯ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑰ HOT-MIX ASPHALT SHOULDERS, 2"



STA. 206+00.00 TO STA. 231+76.00

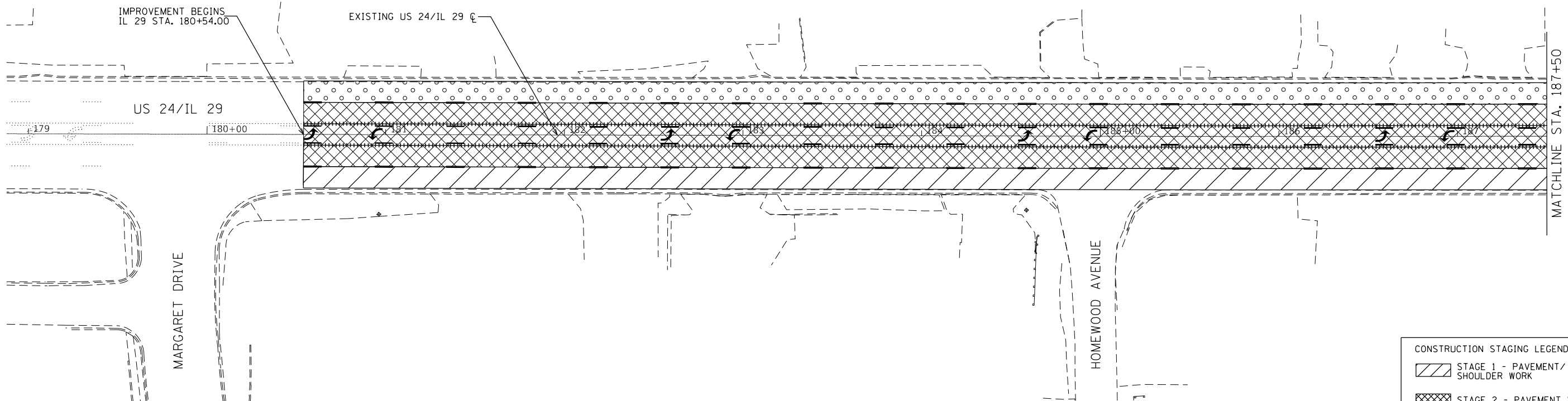
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|                                       | PLOT SCALE = 10.0000' / in.                | CHECKED -             | REVISED - |
|                                       | PLOT DATE = 2/7/2018                       | DATE -                | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED STAGING DETAILS  
STAGE 3 TYPICAL SECTIONS**

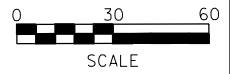
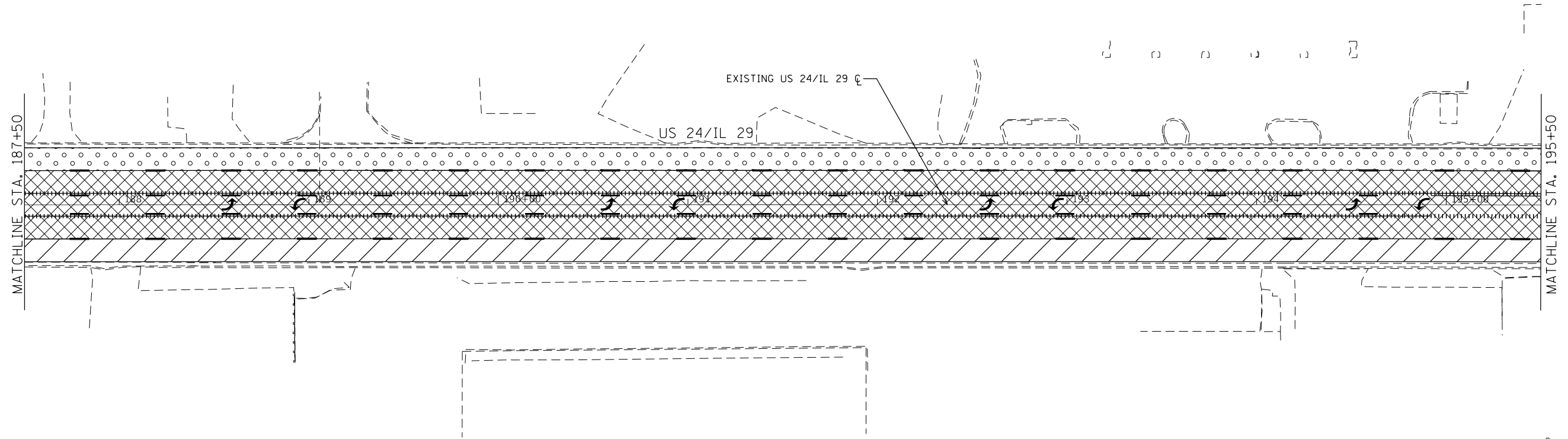
SCALE: SHEET OF SHEETS STA. TO STA.

|                    |         |          |                           |           |
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| F.A.P. RTE.        | SECTION | COUNTY   | TOTAL SHEETS              | SHEET NO. |
| 669                | IIRS-12 | TAZEWELL | 42                        | 18        |
| CONTRACT NO. 68069 |         |          | ILLINOIS FED. AID PROJECT |           |



**CONSTRUCTION STAGING LEGEND**

|  |   |
|--|---|
|  | STAGE 1 - PAVEMENT/<br>SHOULDER WORK        |
|  | STAGE 2 - PAVEMENT WORK                     |
|  | STAGE 3 - PAVEMENT WORK                     |
|  | HOT-MIX ASPHALT SURFACE<br>REMOVAL, SPECIAL |



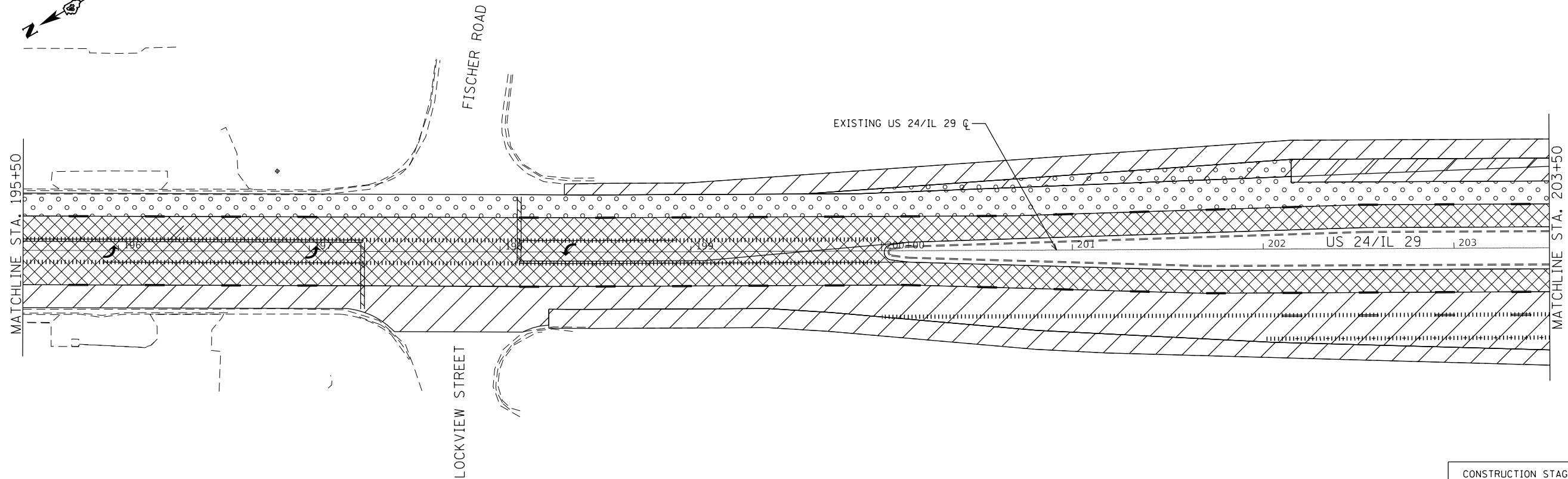
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| PLOT SCALE = 60.0000' / in. | DRAWN -    | REVISED - |
| PLOT DATE = 2/7/2018        | CHECKED -  | REVISED - |
|                             | DATE -     | REVISED - |

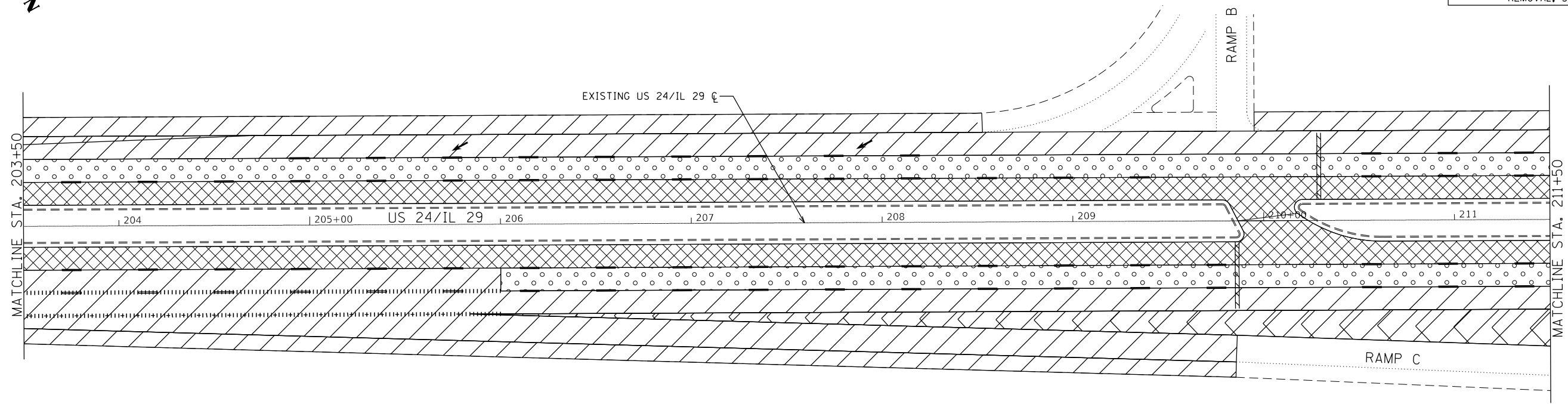
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|   |       |    |        |              |
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| <b>IL 29 RESURFACING<br/>PROPOSED STAGING DETAILS</b> |       |    |        |              |
| SCALE:  | SHEET | OF | SHEETS | STA. TO STA. |

|                           |         |          |              |           |
|---------------------------|---------|----------|--------------|-----------|
| F.A.P. RTE.               | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |
| 669                       | 11RS-12 | TAZEWELL | 42           | 19        |
| CONTRACT NO. 68D69        |         |          |              |           |
| ILLINOIS FED. AID PROJECT |         |          |              |           |



| CONSTRUCTION STAGING LEGEND |  |
|-----------------------------|--|
|                             | STAGE 1 - PAVEMENT / SHOULDER WORK       |
|                             | STAGE 2 - PAVEMENT WORK                  |
|                             | STAGE 3 - PAVEMENT WORK                  |
|                             | HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL |



MODEL STAGING  
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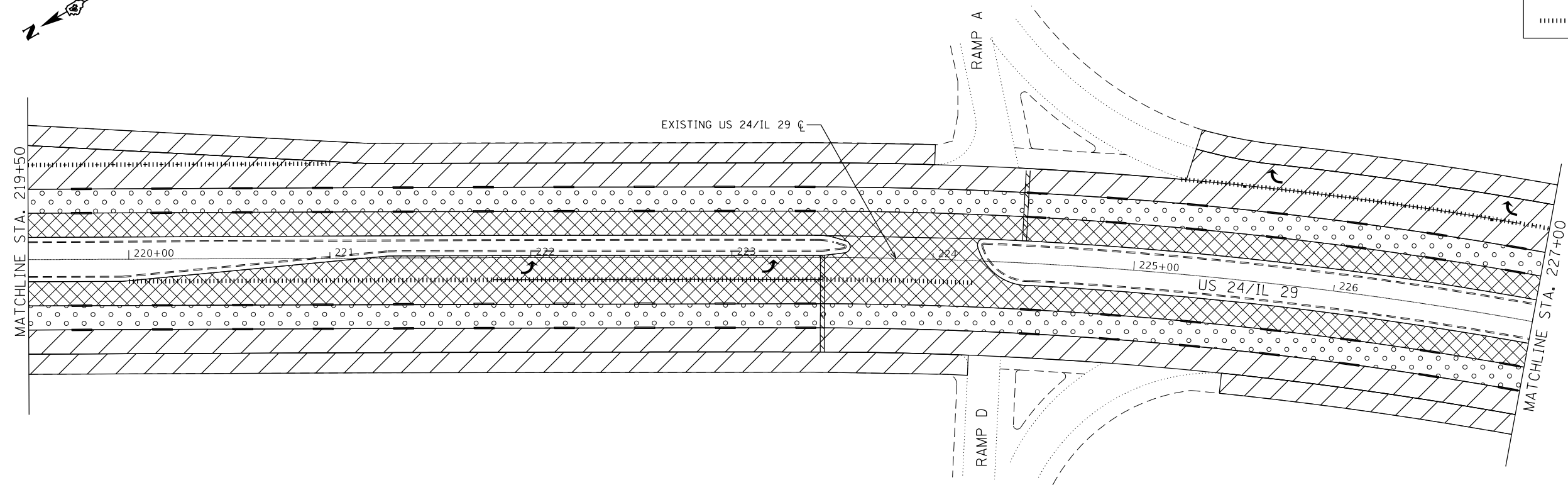
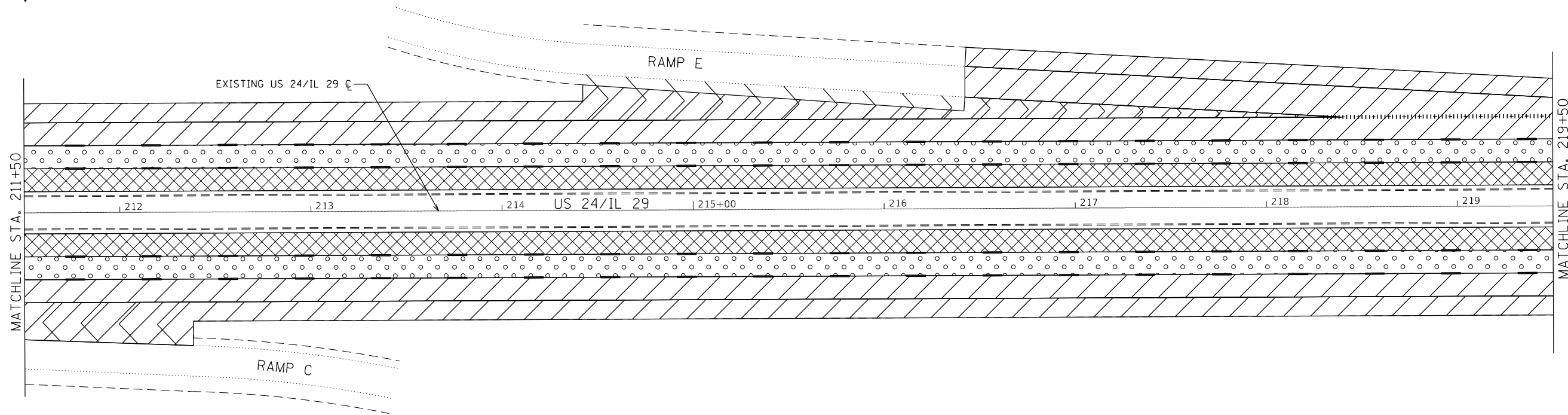
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| PLOT SCALE = 60.0000 ' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 2/7/2018         | DATE -     | REVISED - |

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

**IL 29 RESURFACING**  
**PROPOSED STAGING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| 669                       | 11RS-12 | TAZEWELL | 42           | 20        |
| CONTRACT NO. 68D69        |         |          |              |           |
| ILLINOIS FED. AID PROJECT |         |          |              |           |



**CONSTRUCTION STAGING LEGEND**

|  |   |
|--|---|
|  | STAGE 1 - PAVEMENT/<br>SHOULDER WORK        |
|  | STAGE 2 - PAVEMENT WORK                     |
|  | STAGE 3 - PAVEMENT WORK                     |
|  | HOT-MIX ASPHALT SURFACE<br>REMOVAL, SPECIAL |



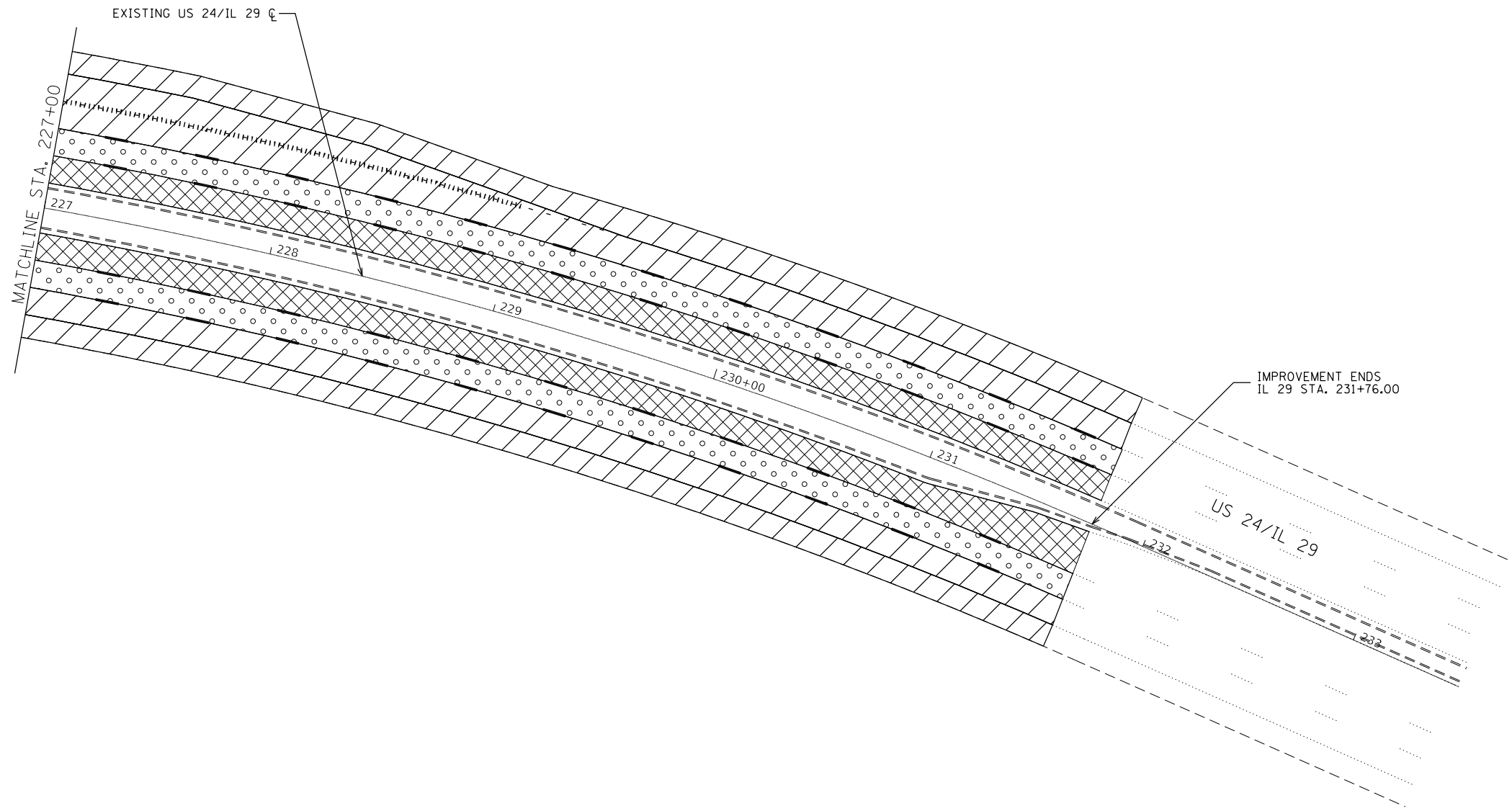
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| PLOT DATE = 2/7/2018         | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

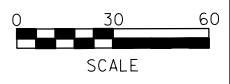
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| SCALE:  | SHEET | OF | SHEETS | STA. TO STA. |

|                           |                 |                 |                 |              |
|---------------------------|-----------------|-----------------|-----------------|--------------|
| F.A.P. RTE. 669           | SECTION 11RS-12 | COUNTY TAZEWELL | TOTAL SHEETS 42 | SHEET NO. 21 |
| CONTRACT NO. 68D69        |                 |                 |                 |              |
| ILLINOIS FED. AID PROJECT |                 |                 |                 |              |



**CONSTRUCTION STAGING LEGEND**

- STAGE 1 - PAVEMENT / SHOULDER WORK
- STAGE 2 - PAVEMENT WORK
- STAGE 3 - PAVEMENT WORK
- HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL



MODEL STAGING  
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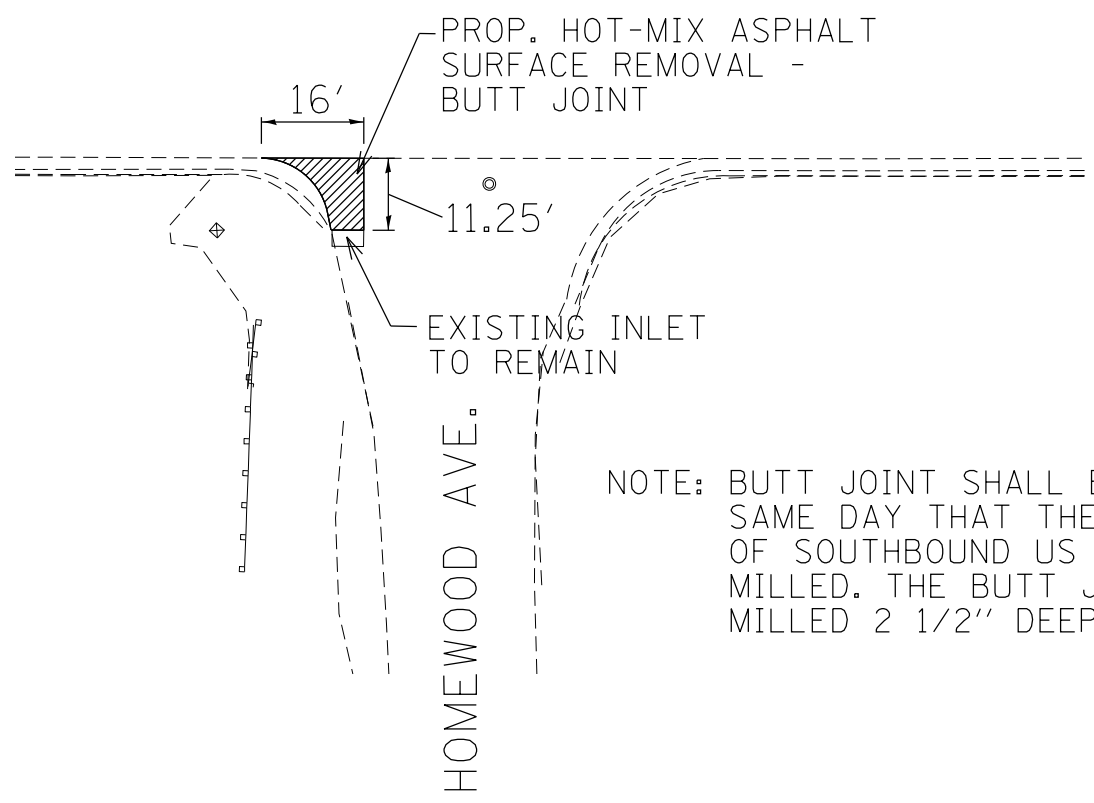
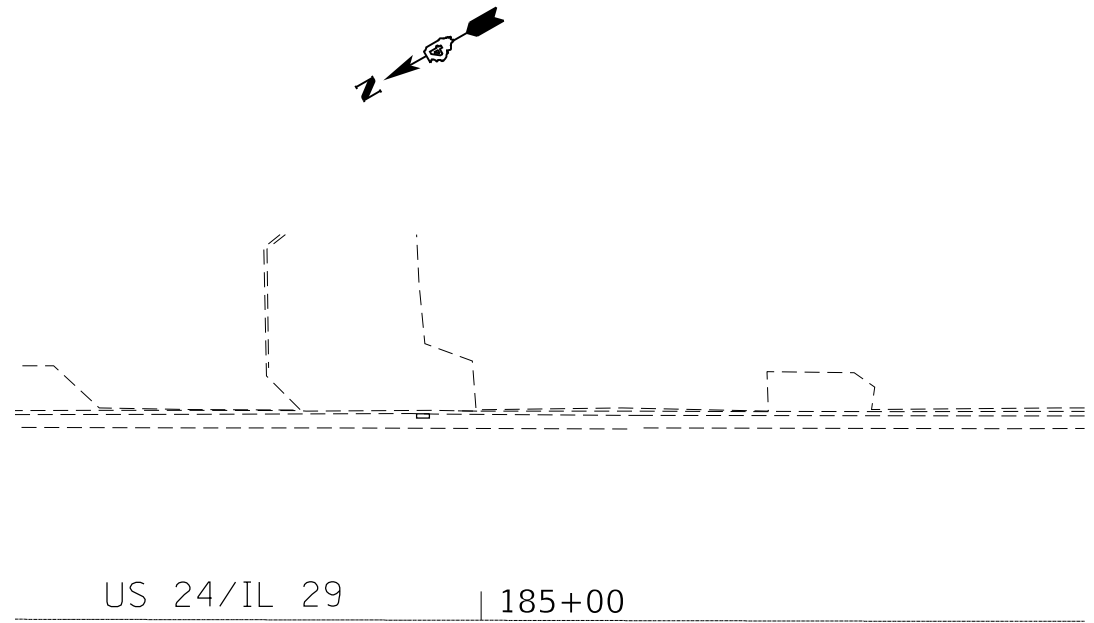
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| PLOT DATE = 2/7/2018         | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 29 RESURFACING  
PROPOSED STAGING DETAILS**

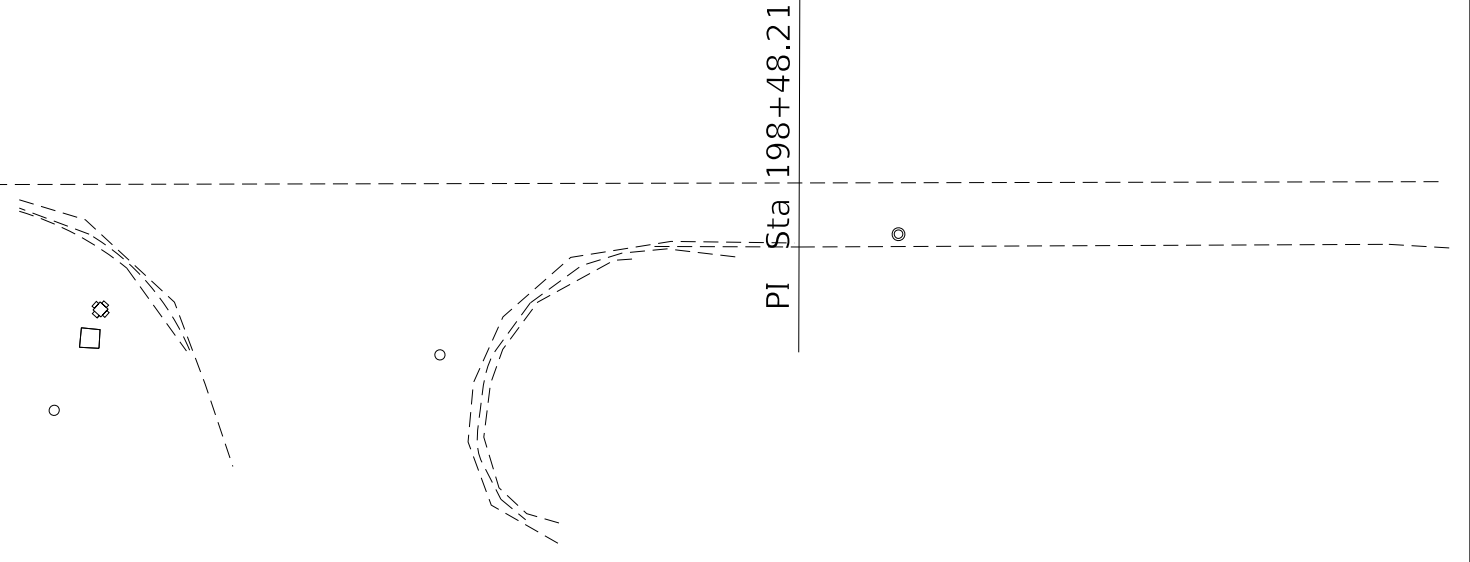
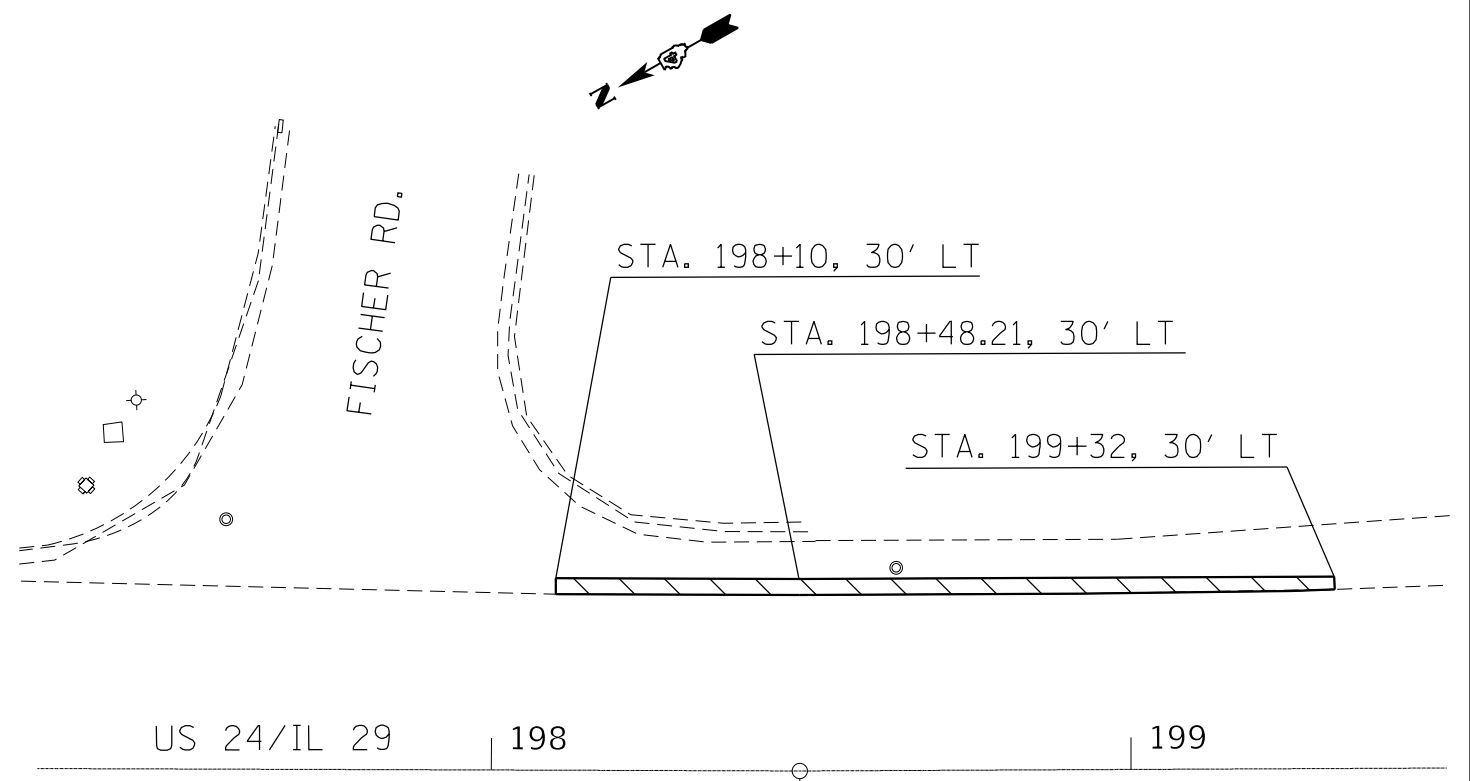
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| F.A.P. RTE.               | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |
| 669                       | 11RS-12 | TAZEWELL | 42           | 22        |
| CONTRACT NO. 68D69        |         |          |              |           |
| ILLINOIS FED. AID PROJECT |         |          |              |           |



NOTE: BUTT JOINT SHALL BE MILLED THE SAME DAY THAT THE OUTSIDE LANE OF SOUTHBOUND US 24/IL 29 IS MILLED. THE BUTT JOINT SHALL BE MILLED 2 1/2" DEEP THROUGHOUT.

BUTT JOINT TO PROVIDE TEMPORARY DRAINAGE



**LEGEND**  
 PCC BASE COURSE WIDENING 12"

LIMITS OF PROP. PCC BASE COURSE WIDENING

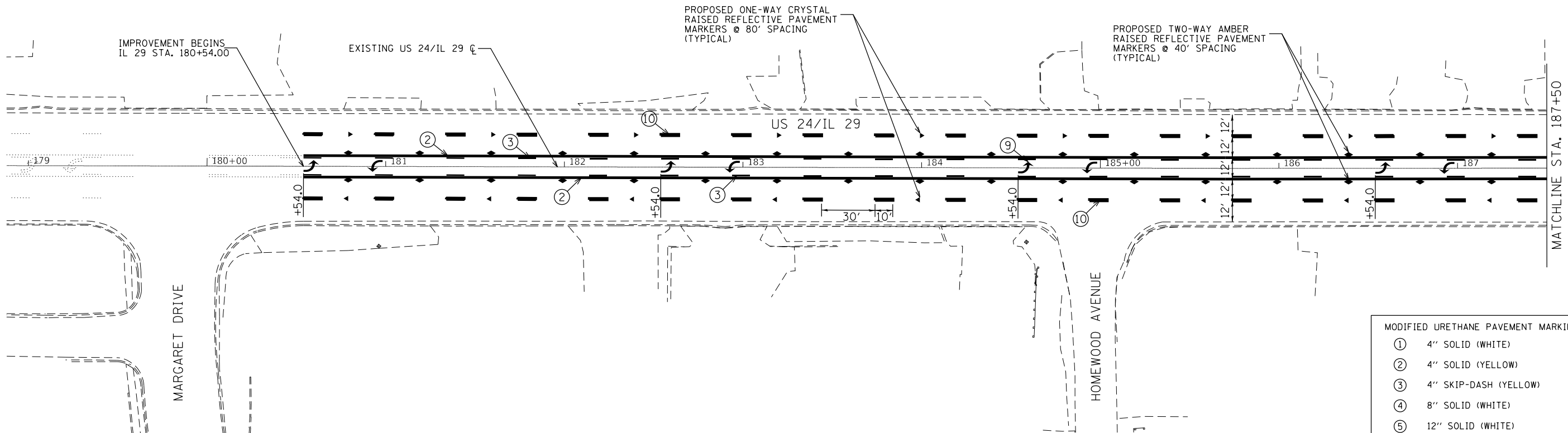
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|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

|                           |         |          |              |           |
|---------------------------|---------|----------|--------------|-----------|
| F.A.P. RTE.               | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |
| 669                       | 11RS-12 | TAZEWELL | 42           | 23        |
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| ILLINOIS FED. AID PROJECT |         |          |              |           |

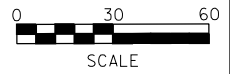
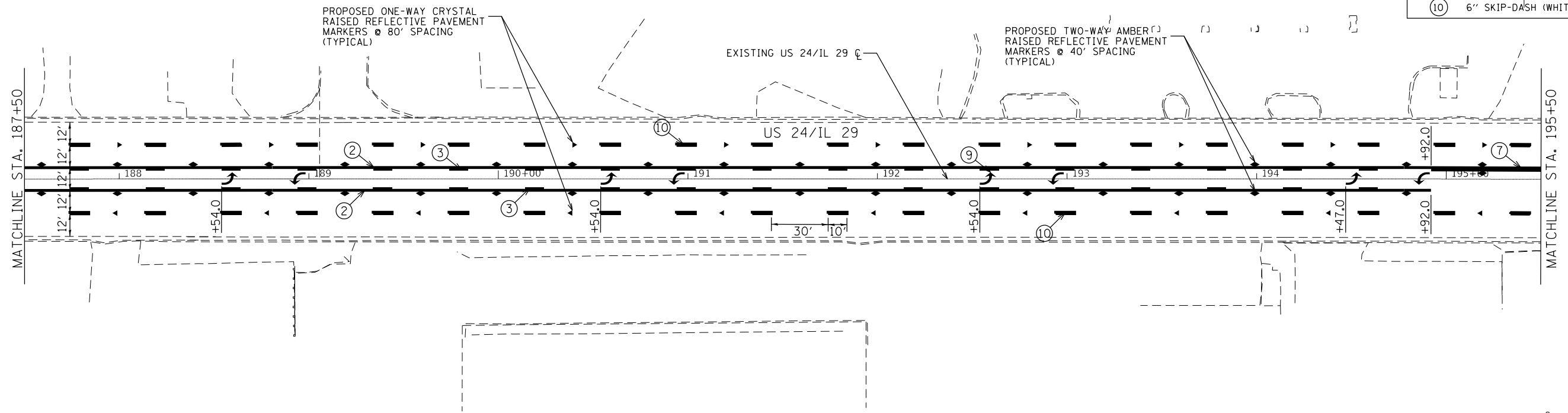


**MODIFIED URETHANE PAVEMENT MARKING LEGEND**

- ① 4" SOLID (WHITE)
- ② 4" SOLID (YELLOW)
- ③ 4" SKIP-DASH (YELLOW)
- ④ 8" SOLID (WHITE)
- ⑤ 12" SOLID (WHITE)
- ⑥ 24" SOLID (WHITE)
- ⑦ 4" DOUBLE SOLID (YELLOW)
- ⑧ 8" DOTTED (WHITE)
- ⑨ LETTERS AND SYMBOLS (WHITE)

**PERFORMED PLASTIQ PAVEMENT MARKING LEGEND**

- ⑩ 6" SKIP-DASH (WHITE)



MODEL: \\MODELS\NAME\FILES

|                        |            |           |
|------------------------|------------|-----------|
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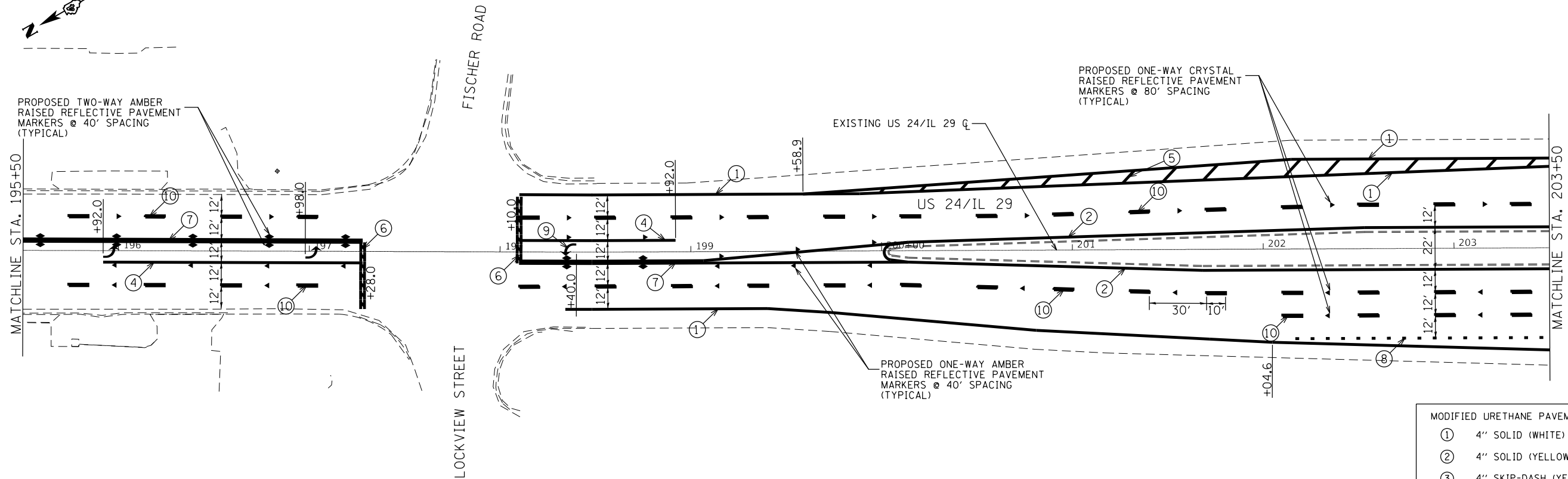
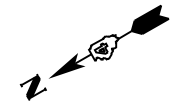
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 29 RESURFACING  
PAVEMENT MARKING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

|                    |         |                  |              |           |
|--------------------|---------|------------------|--------------|-----------|
| F.A.P. RTE.        | SECTION | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 669                | 11RS-12 | TAZEWELL         | 42           | 24        |
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| ILLINOIS           |         | FED. AID PROJECT |              |           |



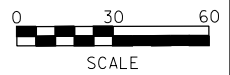
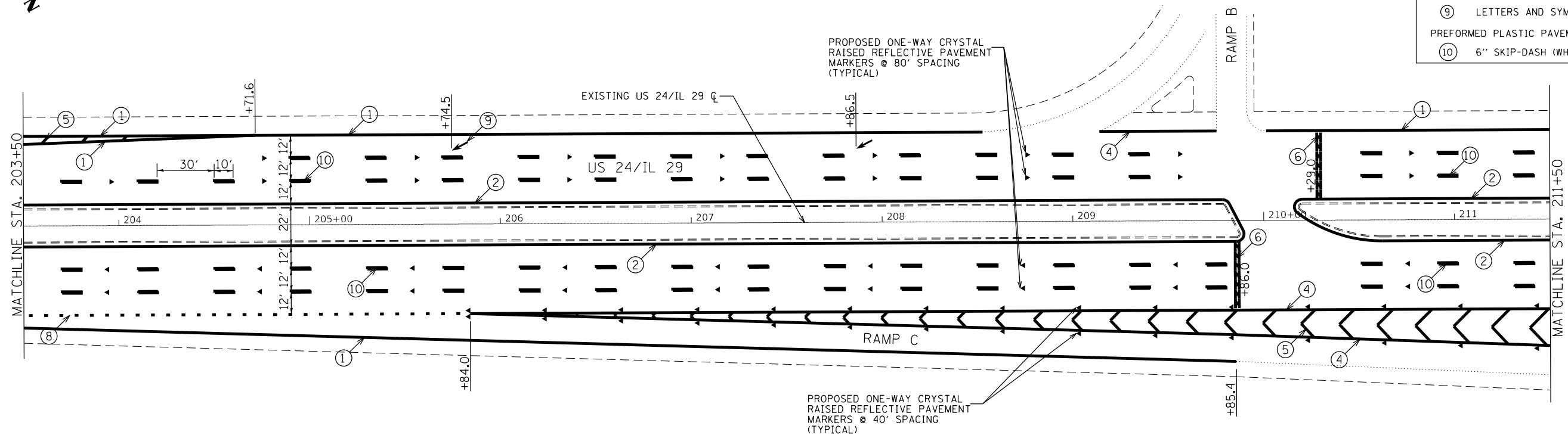


**MODIFIED URETHANE PAVEMENT MARKING LEGEND**

- ① 4" SOLID (WHITE)
- ② 4" SOLID (YELLOW)
- ③ 4" SKIP-DASH (YELLOW)
- ④ 8" SOLID (WHITE)
- ⑤ 12" SOLID (WHITE)
- ⑥ 24" SOLID (WHITE)
- ⑦ 4" DOUBLE SOLID (YELLOW)
- ⑧ 8" DOTTED (WHITE)
- ⑨ LETTERS AND SYMBOLS (WHITE)

**PREFORMED PLASTIC PAVEMENT MARKING LEGEND**

- ⑩ 6" SKIP-DASH (WHITE)



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FILE NAME: 11/15/11

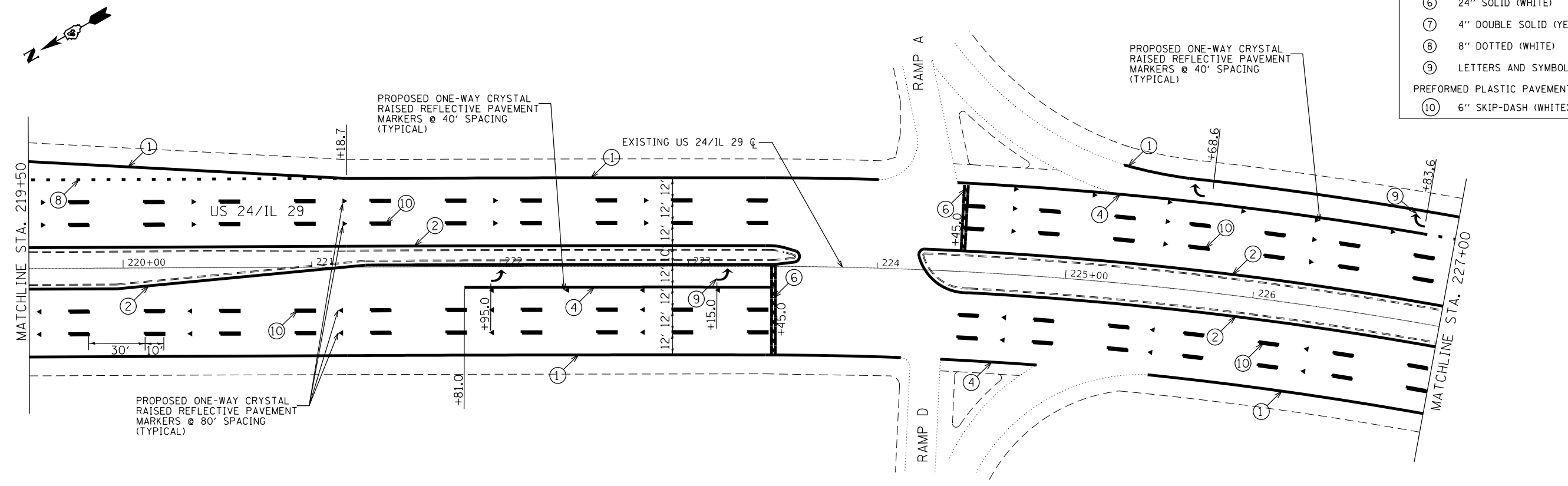
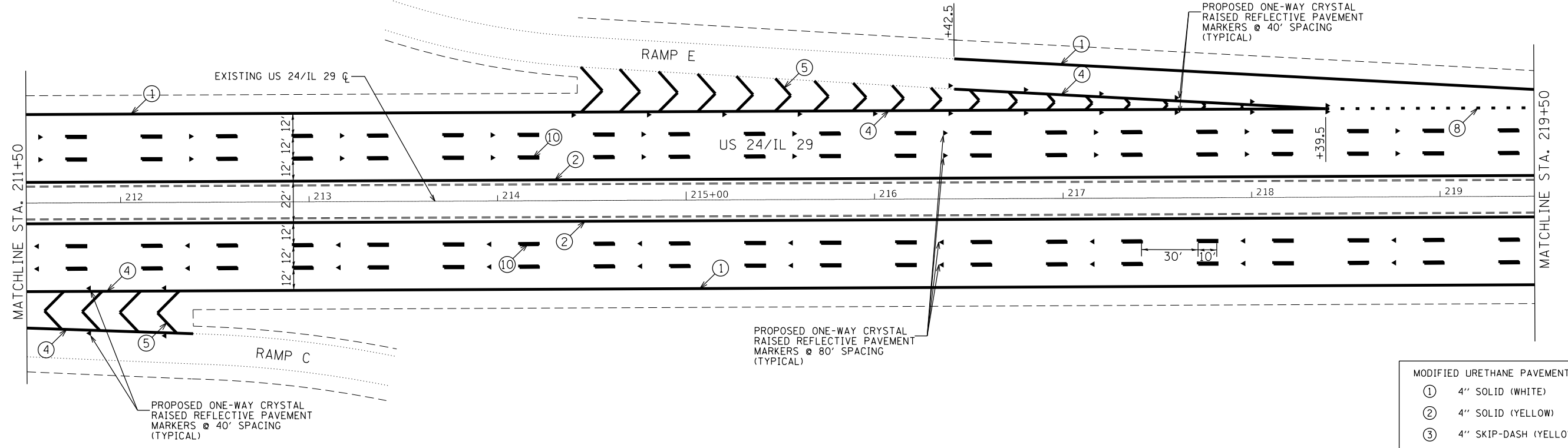
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|                        | DRAWN -    | REVISED - |
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| PLOT DATE = \$DATE\$   | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 29 RESURFACING  
PAVEMENT MARKING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

|                           |                 |                 |                 |              |
|---------------------------|-----------------|-----------------|-----------------|--------------|
| F.A.P. RTE. 669           | SECTION 11R5-12 | COUNTY TAZEWELL | TOTAL SHEETS 42 | SHEET NO. 25 |
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| ILLINOIS FED. AID PROJECT |                 |                 |                 |              |

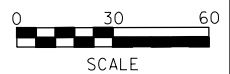


**MODIFIED URETHANE PAVEMENT MARKING LEGEND**

- ① 4" SOLID (WHITE)
- ② 4" SOLID (YELLOW)
- ③ 4" SKIP-DASH (YELLOW)
- ④ 8" SOLID (WHITE)
- ⑤ 12" SOLID (WHITE)
- ⑥ 24" SOLID (WHITE)
- ⑦ 4" DOUBLE SOLID (YELLOW)
- ⑧ 8" DOTTED (WHITE)
- ⑨ LETTERS AND SYMBOLS (WHITE)

**PREFORMED PLASTIC PAVEMENT MARKING LEGEND**

- ⑩ 6" SKIP-DASH (WHITE)



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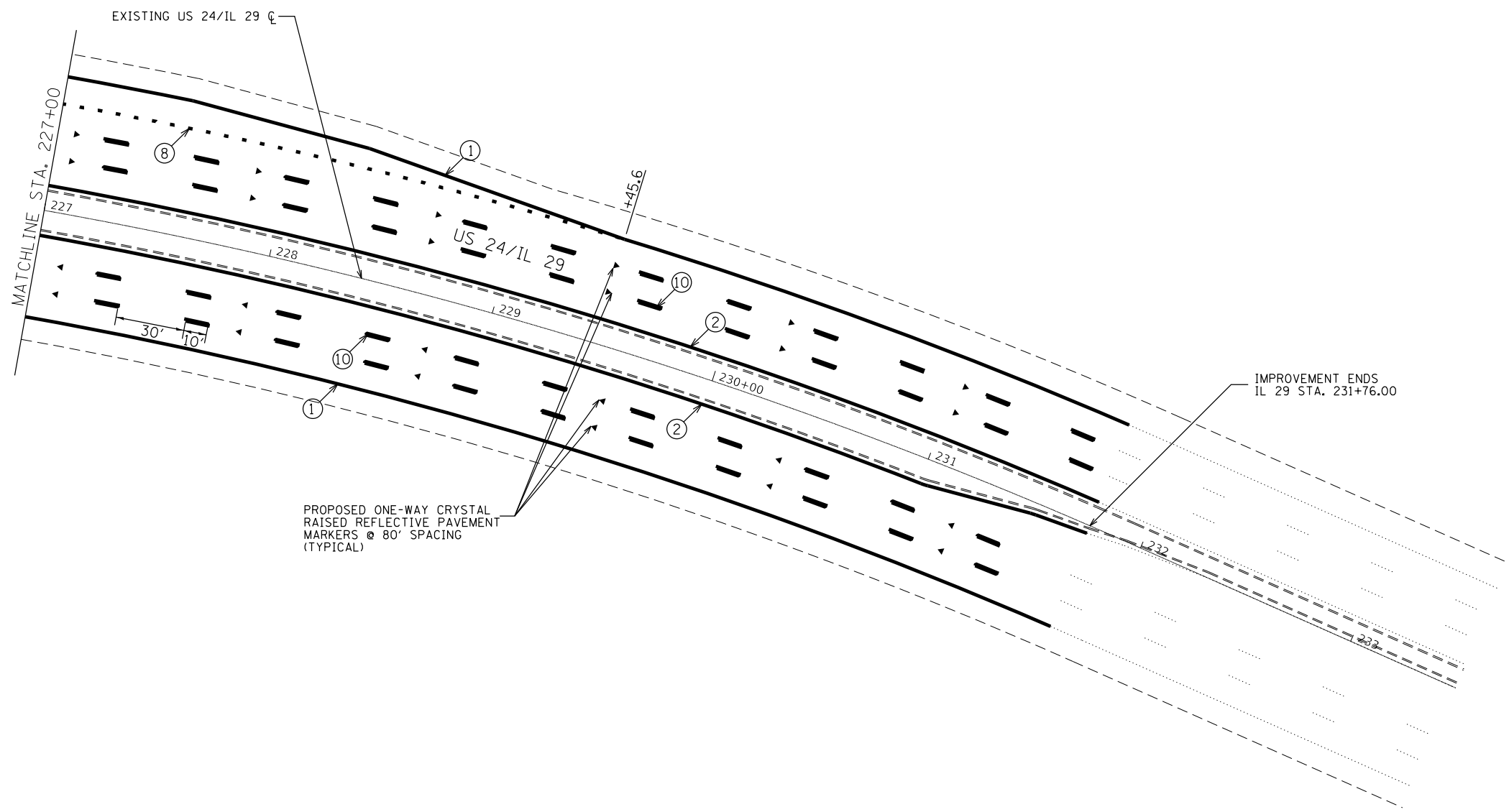
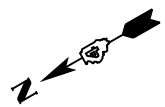
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| PLOT DATE = \$DATE\$   | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 29 RESURFACING  
PAVEMENT MARKING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

|                           |         |          |              |           |
|---------------------------|---------|----------|--------------|-----------|
| F.A.P. RTE.               | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |
| 669                       | 11R5-12 | TAZEWELL | 42           | 26        |
| CONTRACT NO. 68D69        |         |          |              |           |
| ILLINOIS FED. AID PROJECT |         |          |              |           |

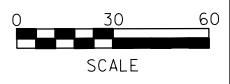


MODIFIED URETHANE PAVEMENT MARKING LEGEND

- ① 4" SOLID (WHITE)
- ② 4" SOLID (YELLOW)
- ③ 4" SKIP-DASH (YELLOW)
- ④ 8" SOLID (WHITE)
- ⑤ 12" SOLID (WHITE)
- ⑥ 24" SOLID (WHITE)
- ⑦ 4" DOUBLE SOLID (YELLOW)
- ⑧ 8" DOTTED (WHITE)
- ⑨ LETTERS AND SYMBOLS (WHITE)

PREFORMED PLASTIC PAVEMENT MARKING LEGEND

- ⑩ 6" SKIP-DASH (WHITE)



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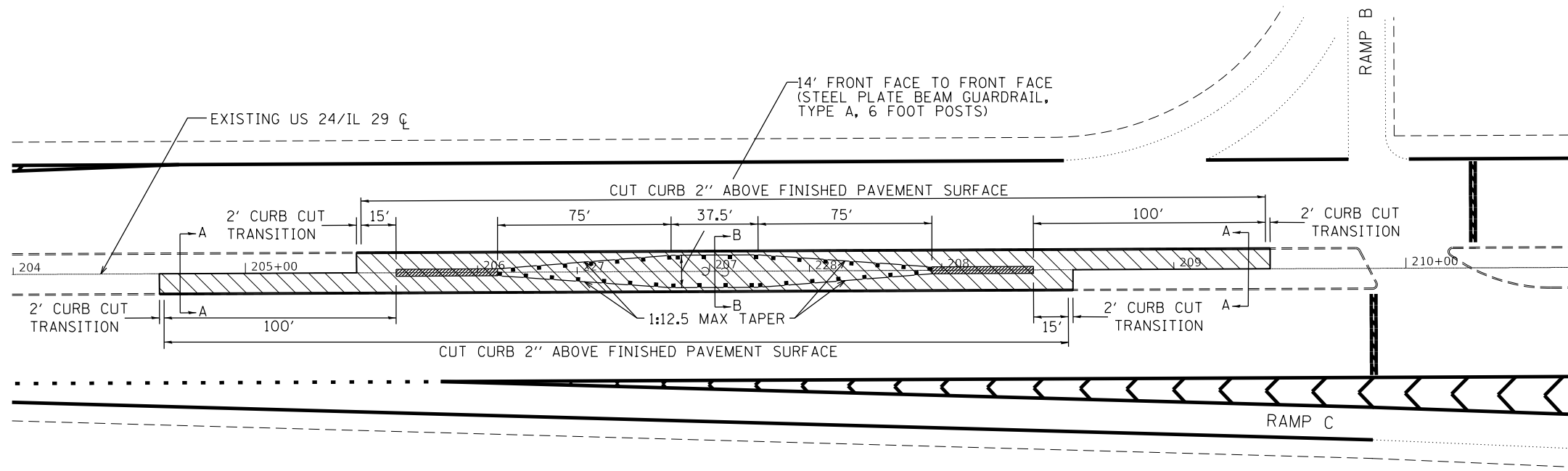
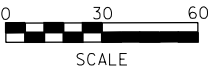
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|                        | DRAWN -    | REVISED - |
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| PLOT DATE = \$DATE\$   | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 29 RESURFACING  
PAVEMENT MARKING DETAILS**

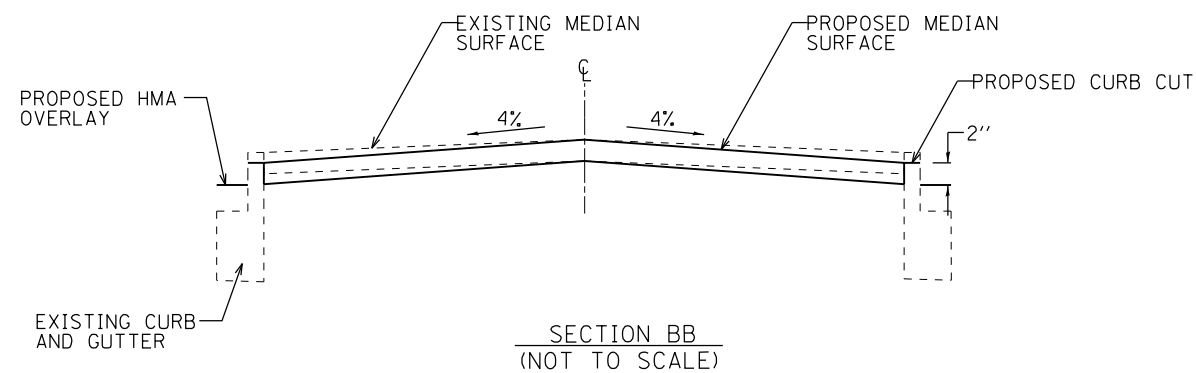
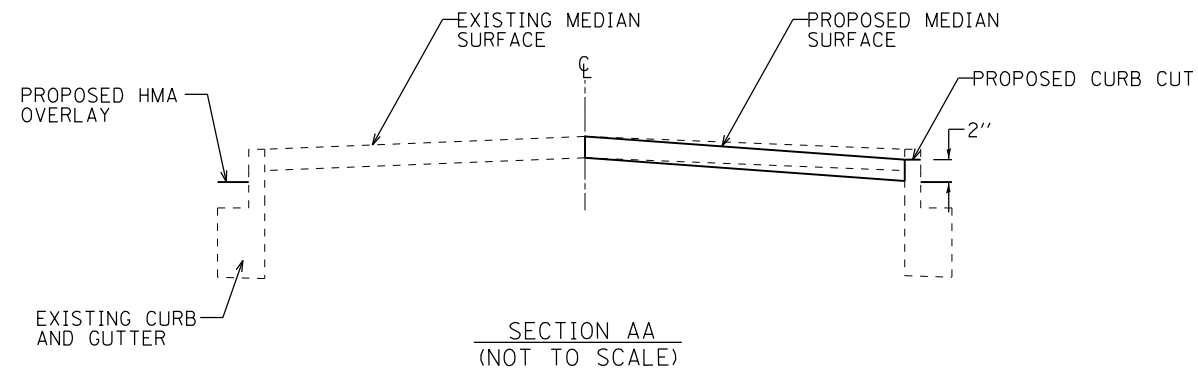
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| F.A.P. RTE.               | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| 669                       | 11RS-12 | TAZEWELL | 42           | 27        |
| CONTRACT NO. 68D69        |         |          |              |           |
| ILLINOIS FED. AID PROJECT |         |          |              |           |



MEDIAN GUARDRAIL DETAIL  
SIGN TRUSS FOUNDATION AT STA. 207+00

| MEDIAN GUARDRAIL LEGEND |  |
|-------------------------|--|
|                         | PROPOSED IMPACT ATTENUATORS (PARTIALLY REDIRECTIVE), TEST LEVEL 3          |
|                         | PROPOSED MEDIAN SURFACE REMOVAL AND HOT-MIX ASPHALT MEDIAN SURFACE, 4 INCH |
|                         | PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS                  |



- NOTES:
- 1.) A MINIMUM OF 38 INCHES SHALL BE MAINTAINED BETWEEN THE BACK OF THE STEEL PLATE BEAM GUARDRAIL TYPE A POSTS AND THE FIXED OBJECT BEING PROTECTED.
  - 2.) THE EXISTING SUBGRADE BENEATH THE PROPOSED MEDIAN SURFACE SHALL BE GRADED TO ALLOW THE PROPOSED MEDIAN SURFACE TO MATCH THE NEW CURB HEIGHT. GRADING AND REMOVAL AND DISPOSAL OF EXCAVATED MATERIAL SHALL BE INCLUDED IN THE COST OF THE PROPOSED MEDIAN SURFACE.
  - 3.) LEAVE-OUTS FOR GUARDRAIL POSTS SHALL BE PROVIDED AS DETAILED IN THE HIGHWAY STANDARD 630001-12. THE COST FOR THE LEAVE-OUTS SHALL BE INCLUDED IN THE COST OF THE GUARDRAIL.

MODEL: DETAILS 1  
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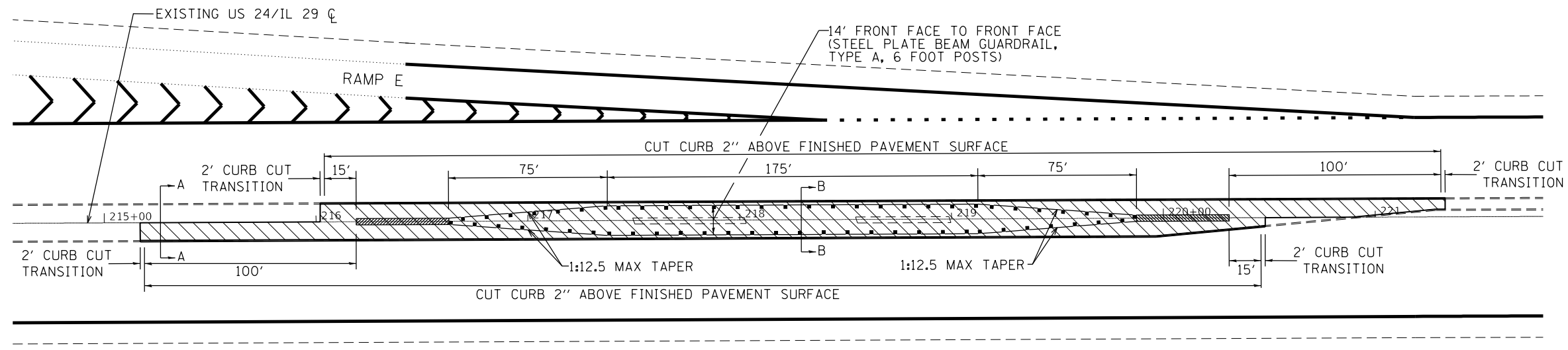
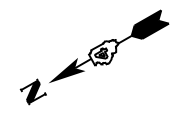
|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = fayantnd        | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 60.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 2/7/2018        | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 29 RESURFACING  
MEDIAN DETAILS

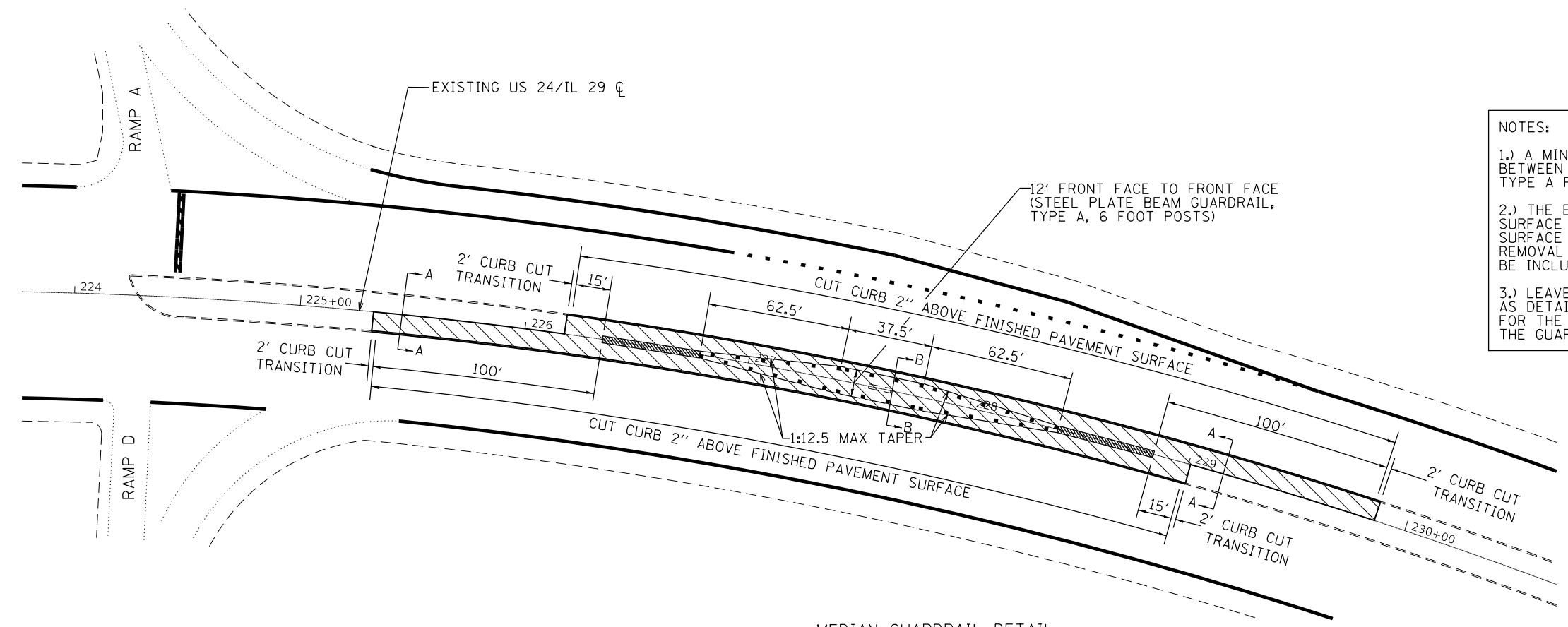
SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| 669                       | 11RS-12 | TAZEWELL | 42           | 28        |
| CONTRACT NO. 68D69        |         |          |              |           |
| ILLINOIS FED. AID PROJECT |         |          |              |           |



MEDIAN GUARDRAIL DETAIL  
BRIDGE PIERS AT STA. 218+00 AND 219+00

| MEDIAN GUARDRAIL LEGEND |  |
|-------------------------|--|
|                         | PROPOSED IMPACT ATTENUATORS (PARTIALLY REDIRECTIVE), TEST LEVEL 3          |
|                         | PROPOSED MEDIAN SURFACE REMOVAL AND HOT-MIX ASPHALT MEDIAN SURFACE, 4 INCH |
|                         | PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS                  |



MEDIAN GUARDRAIL DETAIL  
SIGN TRUSS FOUNDATION AT STA. 227+55

- NOTES:
- 1.) A MINIMUM OF 38 INCHES SHALL BE MAINTAINED BETWEEN THE BACK OF THE STEEL PLATE BEAM GUARDRAIL TYPE A POSTS AND THE FIXED OBJECT BEING PROTECTED.
  - 2.) THE EXISTING SUBGRADE BENEATH THE PROPOSED MEDIAN SURFACE SHALL BE GRADED TO ALLOW THE PROPOSED MEDIAN SURFACE TO MATCH THE NEW CURB HEIGHT. GRADING AND REMOVAL AND DISPOSAL OF EXCAVATED MATERIAL SHALL BE INCLUDED IN THE COST OF THE PROPOSED MEDIAN SURFACE.
  - 3.) LEAVE-OUTS FOR GUARDRAIL POSTS SHALL BE PROVIDED AS DETAILED IN THE HIGHWAY STANDARD 630001-12. THE COST FOR THE LEAVE-OUTS SHALL BE INCLUDED IN THE COST OF THE GUARDRAIL.

MODEL DETAIL 1  
FILE NAME: S:\CEN\WORK\ORD\STDP\PLUS\5500\0368DD69 IL 29 Overlay - Crave Cove\IL 29 Pavement Marking Plan Sheets.dgn

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = fayantnd        | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 60.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 2/7/2018        | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 29 RESURFACING  
MEDIAN DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| 669                       | 11RS-12 | TAZEWELL | 42           | 29        |
| CONTRACT NO. 68D69        |         |          |              |           |
| ILLINOIS FED. AID PROJECT |         |          |              |           |

CONSTRUCTION NOTES

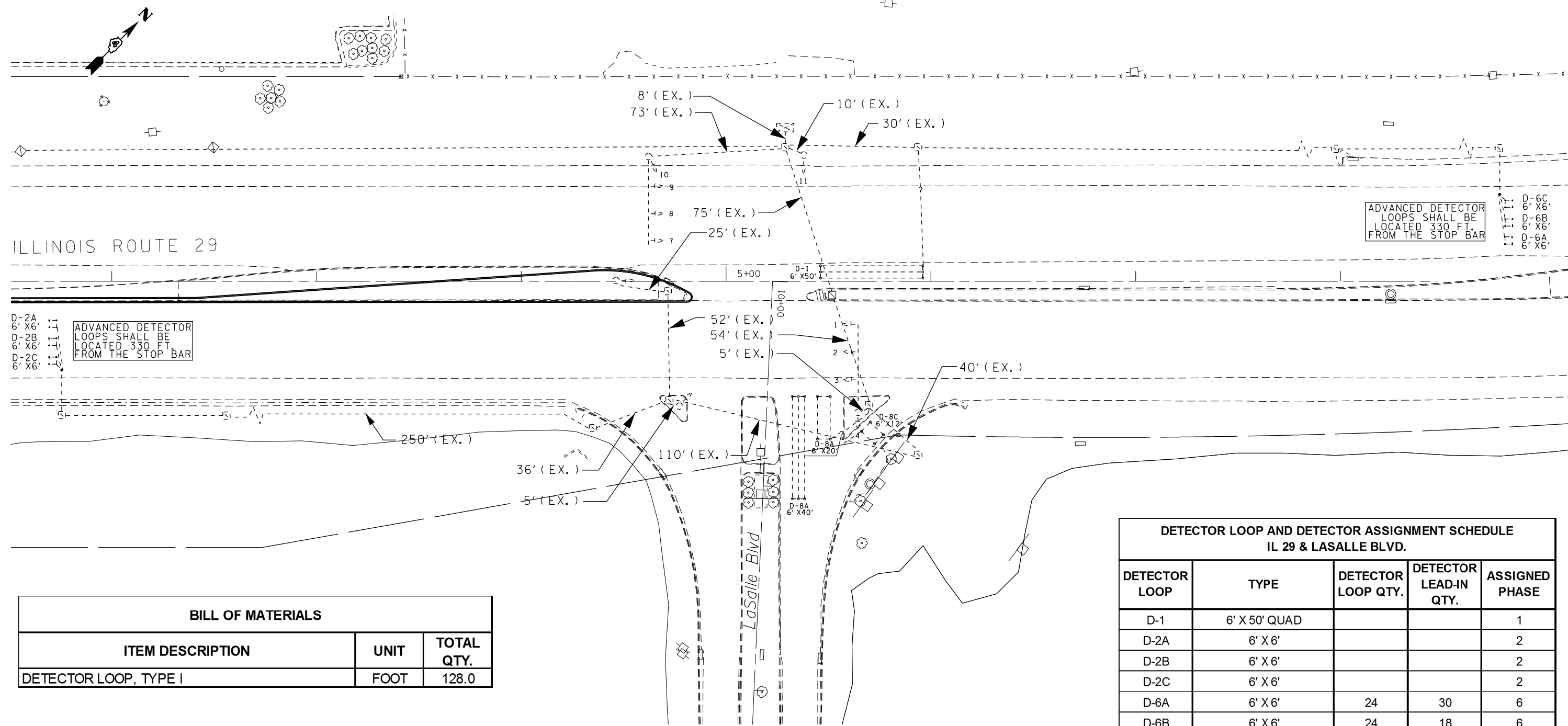
1. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
2. ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE GALVANIZED STEEL.
3. ALL TRAFFIC SIGNAL POSTS ARE TO BE GALVANIZED STEEL.
4. A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
5. THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE EXISTING PAVEMENT, MILLED SURFACE, OR BINDER COURSE BEFORE THE FINAL OVERLAY. THE RISER AREA SHALL BE CHIPPED OUT AND FILLED WITH EPOXY. THIS WORK SHALL BE INCLUDED IN PRICE FOR DETECTOR LOOPS.
6. ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR VERIFICATION OF DETECTOR PLACEMENT BEFORE INSTALLATION.
7. PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.
8. THE HANDHOLE SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
9. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY TRAFFIC SIGNAL COMPONENTS.
10. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.
11. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATION.
12. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
13. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING DEPARTMENT LIGHTING, ITS, AND TRAFFIC SIGNAL FACILITIES. THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE.
15. THE PROPOSED CONDUIT SHALL BE COUPLED TO THE EXISTING CONDUIT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PROPOSED CONDUIT PAY ITEMS.
16. THE COST OF ADJUSTING THE DETECTOR LOOP RISERS FOR THE PROPOSED DETECTOR LOOPS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE DETECTOR LOOP PAY ITEM.
17. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
18. ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

**SCHEDULE OF QUANTITIES - TRAFFIC SIGNALS AND OVERHEAD LIGHTING**

| ITEM DESCRIPTION                             | UNIT | TOTAL QTY. | IL 29 & LASALLE BLVD | IL 29 & I-474 WB RAMPS B & C | IL 29 & I-474 EB RAMPS A & D | IL 29 & FISHER RD | OVERHEAD LIGHTING |
|--|------|------------|----------------------|------------------------------|------------------------------|-------------------|-------------------|
| HANDHOLE, PORTLAND CEMENT CONCRETE           | EACH | 1.0        |                      |                              |                              |                   | 1.0               |
| ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C | FOOT | 187.5      |                      |                              | 187.5                        |                   |                   |
| TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE    | EACH | 2.0        |                      |                              | 2.0                          |                   |                   |
| DETECTOR LOOP, TYPE I                        | FOOT | 1479.0     | 128.0                | 342.0                        | 468.0                        | 541.0             |                   |
| REBUILD EXISTING SIGNAL HEAD, LED            | EACH | 2.0        |                      |                              | 2.0                          |                   |                   |
| MODIFY EXISTING CONTROLLER CABINET           | EACH | 1.0        |                      |                              | 1.0                          |                   |                   |
| RELOCATE EXISTING CCTV CAMERAS               | LSUM | 1.0        |                      |                              |                              | 1.0               |                   |
| RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE  | EACH | 1.0        |                      |                              |                              |                   | 1.0               |

NOT TO SCALE  
TRAFFIC SIGNALS  
SHEET 1 OF 7

|             |                        |            |           |   |   |               |         |  |              |           |
|-------------|------------------------|------------|-----------|---|---|---------------|---------|--|--------------|-----------|
| FILE NAME = | USER NAME = \$USER\$   | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>TRAFFIC SIGNAL CONSTRUCTION NOTES AND<br/>SCHEDULE OF QUANTITIES</b> | F.A.P. RTE. * | SECTION | COUNTY                                       | TOTAL SHEETS | SHEET NO. |
| *FILEL\$    |                        | DRAWN -    | REVISED - |   |   | 669           | 11RS-12 | TAZEWELL                                     | 42           | 30        |
|             | PLOT SCALE = \$SCALE\$ | CHECKED -  | REVISED - |   |   | (US 24)       |         |  |              |           |
|             | PLOT DATE = \$DATE\$   | DATE -     | REVISED - |   |   | (IL 29)       |         |  |              |           |
|             |                        |            |           |   | SCALE:  | STA.          | TO STA. | ILLINOIS FED. AID PROJECT CONTRACT NO. 68D69 |              |           |



ADVANCED DETECTOR  
LOOPS SHALL BE  
LOCATED 330 FT.  
FROM THE STOP BAR

D-2A  
6' X 6'  
D-2B  
6' X 6'  
D-2C  
6' X 6'

ADVANCED DETECTOR  
LOOPS SHALL BE  
LOCATED 330 FT.  
FROM THE STOP BAR

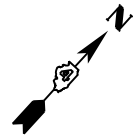
**DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE  
IL 29 & LASALLE BLVD.**

| DETECTOR LOOP | TYPE          | DETECTOR LOOP QTY. | DETECTOR LEAD-IN QTY. | ASSIGNED PHASE |
|---------------|---------------|--------------------|-----------------------|----------------|
| D-1           | 6' X 50' QUAD |                    |                       | 1              |
| D-2A          | 6' X 6'       |                    |                       | 2              |
| D-2B          | 6' X 6'       |                    |                       | 2              |
| D-2C          | 6' X 6'       |                    |                       | 2              |
| D-6A          | 6' X 6'       | 24                 | 30                    | 6              |
| D-6B          | 6' X 6'       | 24                 | 18                    | 6              |
| D-6C          | 6' X 6'       | 24                 | 8                     | 6              |
| D-8A          | 6' X 40' QUAD |                    |                       | 8              |
| D-8B          | 6' X 20'      |                    |                       | 8              |
| D-8C          | 6' X 12'      |                    |                       | 8              |
| <b>TOTAL:</b> |               | <b>72</b>          | <b>56</b>             |                |

| BILL OF MATERIALS     |      |            |
|-----------------------|------|------------|
| ITEM DESCRIPTION      | UNIT | TOTAL QTY. |
| DETECTOR LOOP, TYPE I | FOOT | 128.0      |

- TRAFFIC SIGNAL LEGEND
- EX. HANDHOLE
  - EX. CONDUIT
  - EX. DETECTOR LOOP (QUAD)
  - EX. DETECTOR LOOP (6' X 6')
  - EX. CONTROLLER CABINET (SIGNAL)
  - EX. TRAFFIC SIGNAL HEAD
  - EX. SIGNAL HEAD W/ BACKPLATE
  - EX. STL MAST ARM ASSEMBLY
  - EX. BATTERY BACKUP SYSTEM

NOT TO SCALE  
TRAFFIC SIGNALS  
SHEET 2 OF 7



| BILL OF MATERIALS     |      |            |
|-----------------------|------|------------|
| ITEM DESCRIPTION      | UNIT | TOTAL QTY. |
| DETECTOR LOOP, TYPE I | FOOT | 342.0      |



- D-2A  
6'X6'
- D-2B  
6'X6'
- D-2C  
6'X6'

- D-6A  
6'X6'
- D-6B  
6'X6'
- D-6C  
6'X6'

- TRAFFIC SIGNAL LEGEND**
- EX. HANDHOLE
  - EX. CONDUIT
  - EX. DETECTOR LOOP (QUAD)
  - EX. DETECTOR LOOP (6' X 6')
  - EX. CONTROLLER CABINET (SIGNAL)
  - EX. TRAFFIC SIGNAL HEAD
  - EX. SIGNAL HEAD W/ BACKPLATE
  - EX. STL MAST ARM ASSEMBLY
  - EX. BATTERY BACKUP SYSTEM

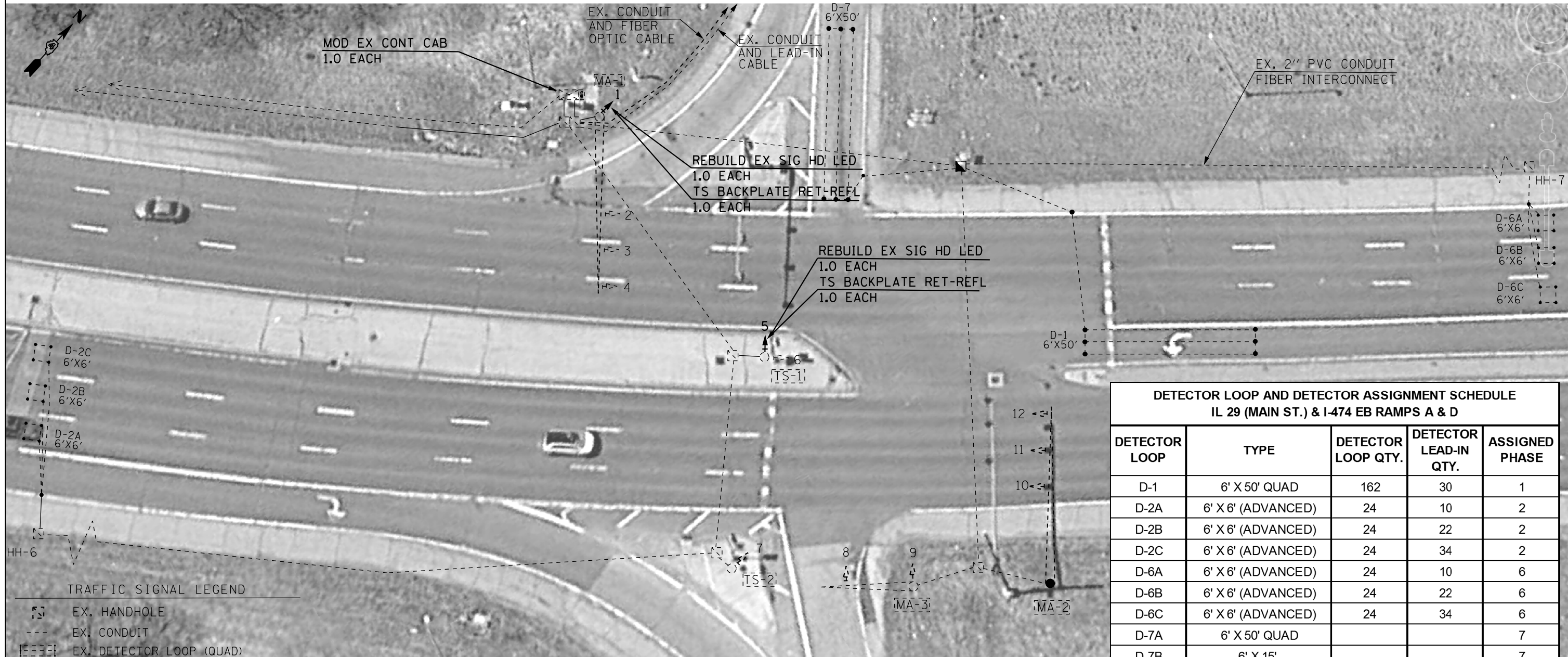
ADVANCED LOOPS SHALL BE LOCATED 330 FT. FROM THE STOP BARS FOR NB AND SB TRAFFIC ON IL 29

| DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE<br>IL 29 (MAIN ST.) & I-474 WB RAMPS B & C |                        |                    |                       |                |
|---|------------------------|--------------------|-----------------------|----------------|
| DETECTOR LOOP   | TYPE                   | DETECTOR LOOP QTY. | DETECTOR LEAD-IN QTY. | ASSIGNED PHASE |
| D-2A  | EX. 6' X 6' (ADVANCED) | 24                 | 13                    | 2              |
| D-2B  | EX. 6' X 6' (ADVANCED) | 24                 | 25                    | 2              |
| D-2C  | EX. 6' X 6' (ADVANCED) | 24                 | 61                    | 2              |
| D-3A  | EX. 6' X 50' QUAD      |                    |                       | 3              |
| D-3B  | EX. 6' X 15'           |                    |                       | 3              |
| D-6A  | EX. 6' X 6' (ADVANCED) | 24                 | 13                    | 6              |
| D-6B  | EX. 6' X 6' (ADVANCED) | 24                 | 25                    | 6              |
| D-6C  | EX. 6' X 6' (ADVANCED) | 24                 | 61                    | 6              |
| <b>TOTAL:</b>   |                        | <b>144</b>         | <b>198</b>            |                |

NOT TO SCALE  
TRAFFIC SIGNALS  
SHEET 3 OF 7



| BILL OF MATERIALS                            |      |            |
|--|------|------------|
| ITEM DESCRIPTION                             | UNIT | TOTAL QTY. |
| ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C | FOOT | 187.5      |
| TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE    | EACH | 2.0        |
| DETECTOR LOOP, TYPE I                        | FOOT | 468.0      |
| MODIFY EXISTING CONTROLLER CABINET           | EACH | 1.0        |
| REBUILD EXISTING SIGNAL HEAD, LED            | EACH | 2.0        |



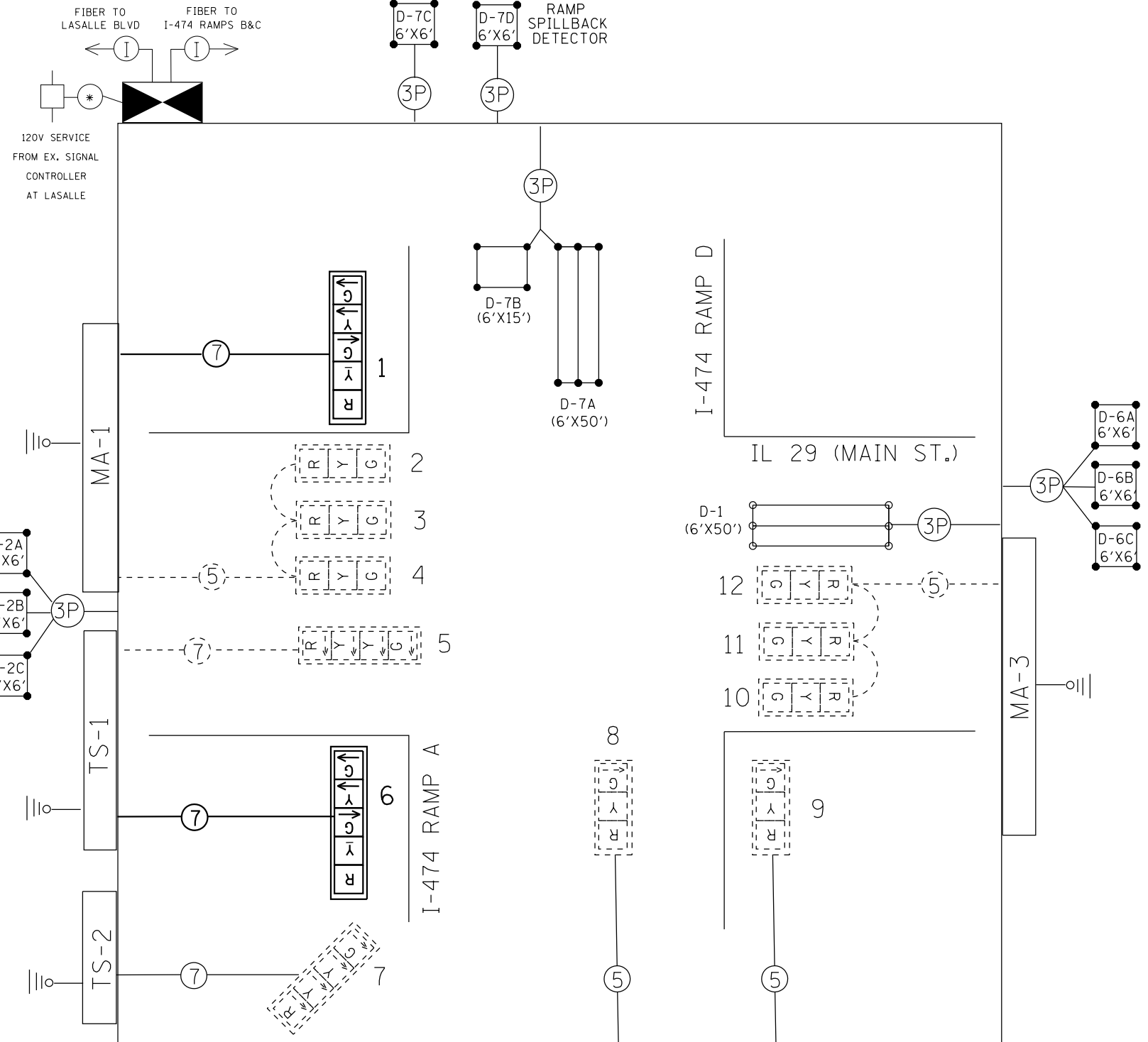
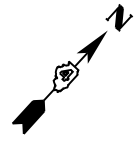
| DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE<br>IL 29 (MAIN ST.) & I-474 EB RAMPS A & D |                    |                    |                       |                |
|---|--------------------|--------------------|-----------------------|----------------|
| DETECTOR LOOP   | TYPE               | DETECTOR LOOP QTY. | DETECTOR LEAD-IN QTY. | ASSIGNED PHASE |
| D-1   | 6' X 50' QUAD      | 162                | 30                    | 1              |
| D-2A  | 6' X 6' (ADVANCED) | 24                 | 10                    | 2              |
| D-2B  | 6' X 6' (ADVANCED) | 24                 | 22                    | 2              |
| D-2C  | 6' X 6' (ADVANCED) | 24                 | 34                    | 2              |
| D-6A  | 6' X 6' (ADVANCED) | 24                 | 10                    | 6              |
| D-6B  | 6' X 6' (ADVANCED) | 24                 | 22                    | 6              |
| D-6C  | 6' X 6' (ADVANCED) | 24                 | 34                    | 6              |
| D-7A  | 6' X 50' QUAD      |                    |                       | 7              |
| D-7B  | 6' X 15'           |                    |                       | 7              |
| D-7C  | 6' X 6' (ADVANCED) |                    |                       | 7              |
| D-7D  | 6' X 6'            |                    |                       | 7              |
| <b>TOTAL:</b>   |                    | <b>306</b>         | <b>162</b>            |                |

TRAFFIC SIGNAL LEGEND

- EX. HANDHOLE
- EX. CONDUIT
- EX. DETECTOR LOOP (QUAD)
- EX. DETECTOR LOOP (6' X 6')
- EX. CONTROLLER CABINET (SIGNAL)
- EX. TRAFFIC SIGNAL HEAD W/ BACKPLATE
- EX. SIGNAL HEAD W/ BACKPLATE TO BE MODIFIED
- EX. STL MAST ARM ASSEMBLY
- EX. BATTERY BACKUP SYSTEM

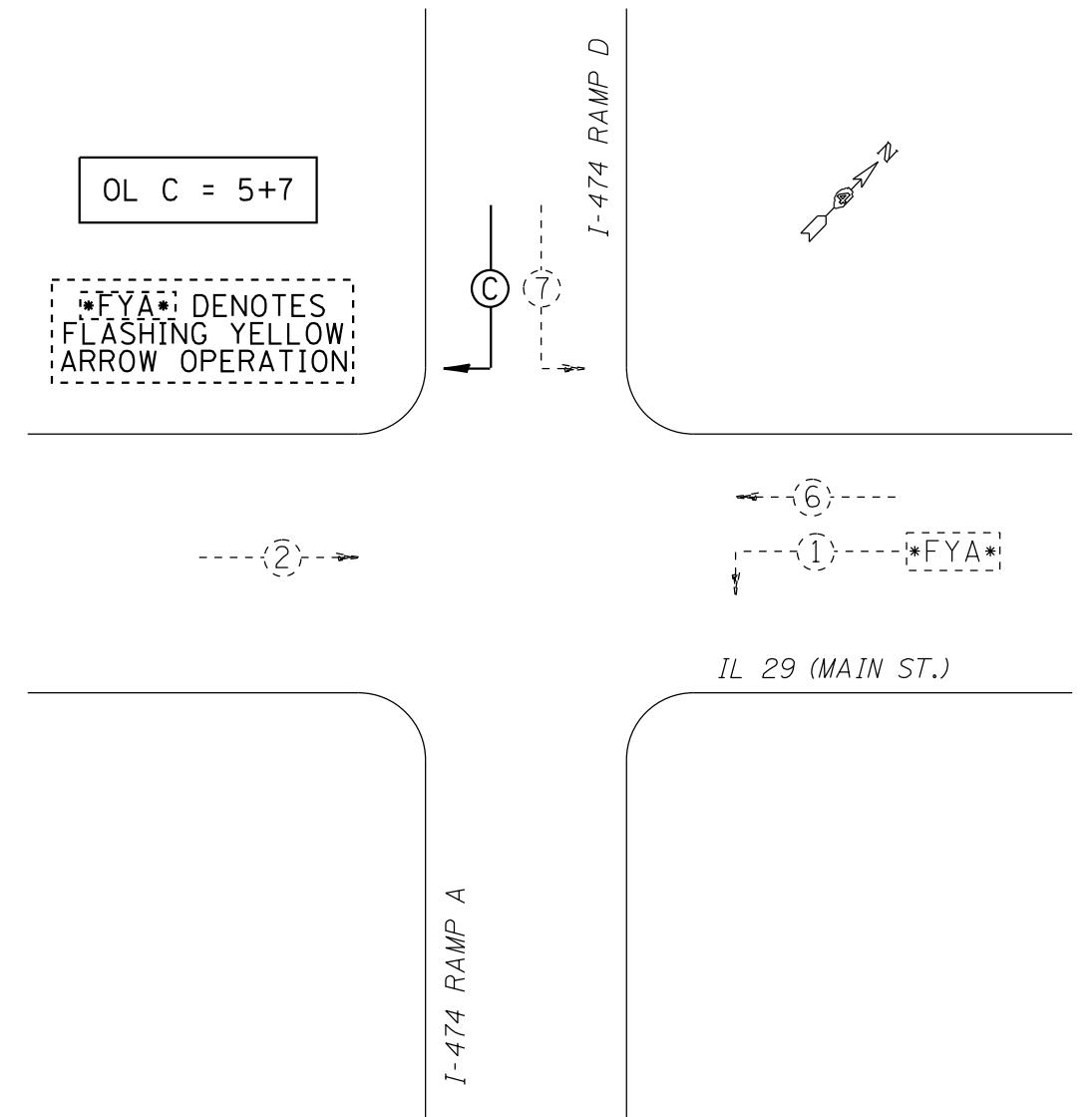
ADVANCED LOOPS SHALL BE LOCATED 330 FT. FROM THE STOP BARS FOR NB AND SB TRAFFIC ON IL 29

NOT TO SCALE  
TRAFFIC SIGNALS  
SHEET 4 OF 7



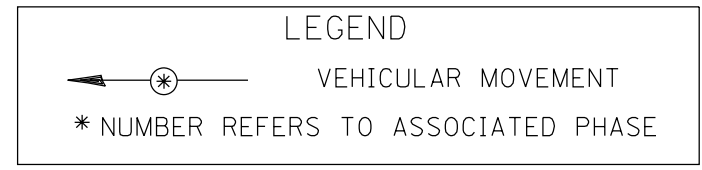
PROPOSED PHASE DIAGRAM

NAME OF INTERSECTION IL 29 (MAIN) & I-474 RAMPS A & D  
 EXISTING CONTROLLER: ECONOLITE ASC/3 (TS-2 TYPE 2) IN  
TYPE IV CABINET, TS-2 BACKPANEL, 16 POS.



TRAFFIC SIGNALS LEGEND

- EX. CONTROLLER (SIGNAL)
- EX. 3 SEC. SIGNAL HEAD W/BACKPLATE
- PROP. 3 SEC. SIGNAL HEAD W/BACKPLATE
- EX. GROUND/SAFETY BOND
- EX. #18 3-PR DETECTOR LOOP CABLE
- EX. 5/C NO. 14 SIGNAL CABLE
- EX. 7/C NO. 14 SIGNAL CABLE
- PROP. 7/C NO. 14 SIGNAL CABLE
- EX. DETECTOR LOOP (6'X6')
- EX. DETECTOR LOOP (QUADRAPOLE)
- EX. SERVICE INSTALLATION



NOT TO SCALE  
 TRAFFIC SIGNALS  
 SHEET 5 OF 7

|                        |                    |            |           |   |  |                  |                    |                           |                 |              |
|------------------------|--------------------|------------|-----------|---|--|------------------|--------------------|---------------------------|-----------------|--------------|
| FILE NAME =<br>*FILEL* | USER NAME = *USER* | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED TRAFFIC SIGNAL CABLE AND PHASE DIAGRAMS<br/>IL 29 (MAIN ST.) &amp; I-474 RAMPS A &amp; D - CREVE COEUR</b> | F.A.P.<br>RTE. * | SECTION            | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |
|                        |                    | DRAWN -    | REVISED - |   |  | 669              | 11RS-12            | TAZEWELL                  | 42              | 34           |
|                        |                    | CHECKED -  | REVISED - |   |  | (US 24)          |                    |                           |                 |              |
|                        |                    | DATE -     | REVISED - |   |  | (IL 29)          | CONTRACT NO. 68D69 |                           |                 |              |
|                        |                    |            |           |   | SCALE:   | STA. TO STA.     |                    | ILLINOIS FED. AID PROJECT |                 |              |

| BILL OF MATERIALS              |      |            |
|--------------------------------|------|------------|
| ITEM DESCRIPTION               | UNIT | TOTAL QTY. |
| DETECTOR LOOP, TYPE I          | FOOT | 541.0      |
| RELOCATE EXISTING CCTV CAMERAS | LSUM | 1.0        |



| DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE<br>IL 29 (MAIN ST.) & FISCHER RD. |                       |                    |                       |                |
|--|-----------------------|--------------------|-----------------------|----------------|
| DETECTOR LOOP  | TYPE                  | DETECTOR LOOP QTY. | DETECTOR LEAD-IN QTY. | ASSIGNED PHASE |
| D-1  | EX 6' X 50' QUAD      | 162                | 40                    | 1              |
| D-2A   | EX 6' X 6' (ADVANCED) | 24                 | 15                    | 2              |
| D-2B   | EX 6' X 6' (ADVANCED) | 24                 | 8                     | 2              |
| D-4A   | EX 6' X 40' QUAD      |                    |                       | 4              |
| D-4B   | EX 6' X 40' QUAD      |                    |                       | 4              |
| D-5  | EX 6' X 50' QUAD      | 162                | 30                    | 5              |
| D-6A   | EX 6' X 6' (ADVANCED) | 24                 | 20                    | 6              |
| D-6B   | EX 6' X 6' (ADVANCED) | 24                 | 8                     | 6              |
| D-8A   | EX 6' X 40' QUAD      |                    |                       | 8              |
| D-8B   | EX 6' X 40' QUAD      |                    |                       | 8              |
| <b>TOTAL:</b>  |                       | <b>420</b>         | <b>121</b>            |                |

THE CONTRACTOR SHALL REMOVE THE EXISTING CCTV CAMERA FROM MA-1 AND RELOCATE IT TO MA-3. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW CAT5E CABLING FROM THE CONTROLLER CABINET TO THE CAMERA, BRACKETS, HARDWARE, AND ALL OTHER MATERIALS REQUIRED TO REMOVE AND REINSTALL THE CAMERA. THE CAMERA SHALL BE INSTALLED AT A 40 FT. MOUNTING HEIGHT. THIS WORK WILL BE PAID FOR AS RELOCATE EXISTING CCTV CAMERAS.

- EX. DETECTOR LOOP (QUAD)
- EX. DETECTOR LOOP (6' X 6')
- EX. CONTROLLER CABINET (SIGNAL)
- EX. TRAFFIC SIGNAL HEAD W/ BACKPLATE
- EX. SIGNAL HEAD W/ BACKPLATE TO BE MODIFIED
- EX. STL COMB MAST ARM ASSEMBLY
- EX. BATTERY BACKUP SYSTEM

NOT TO SCALE  
TRAFFIC SIGNALS  
SHEET 6 OF 7

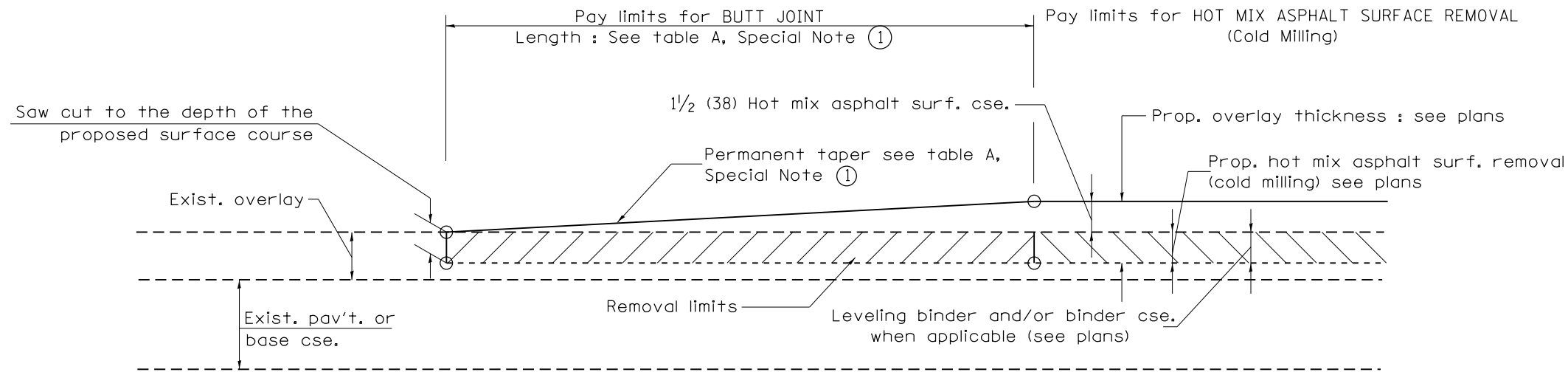
4/2014

| BILL OF MATERIALS                           |      |            |
|---|------|------------|
| ITEM DESCRIPTION                            | UNIT | TOTAL QTY. |
| HANDHOLE, PORTLAND CEMENT CONCRETE          | EACH | 1.0        |
| RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE | EACH | 1.0        |



NOT TO SCALE  
TRAFFIC SIGNALS  
SHEET 7 OF 7

|             |                       |            |           |   |  |                           |         |          |              |           |  |
|-------------|-----------------------|------------|-----------|---|--|---------------------------|---------|----------|--------------|-----------|--|
| FILE NAME = | USER NAME = \$USER*   | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING LIGHT POLE RELOCATION<br/>IL 29 (MAIN ST.) - CREVE COEUR</b> | F.A.P. RTE. *             | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |  |
| *FILEL*     |                       | DRAWN -    | REVISED - |   |  | 669 (US 24) (IL 29)       | 11RS-12 | TAZEWELL | 42           | 36        |  |
|             | PLOT SCALE = \$SCALE* | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68D69        |         |          |              |           |  |
|             | PLOT DATE = \$DATE*   | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |         |          |              |           |  |
|             |                       |            |           |   | SCALE:   | STA.                      | TO STA. |          |              |           |  |



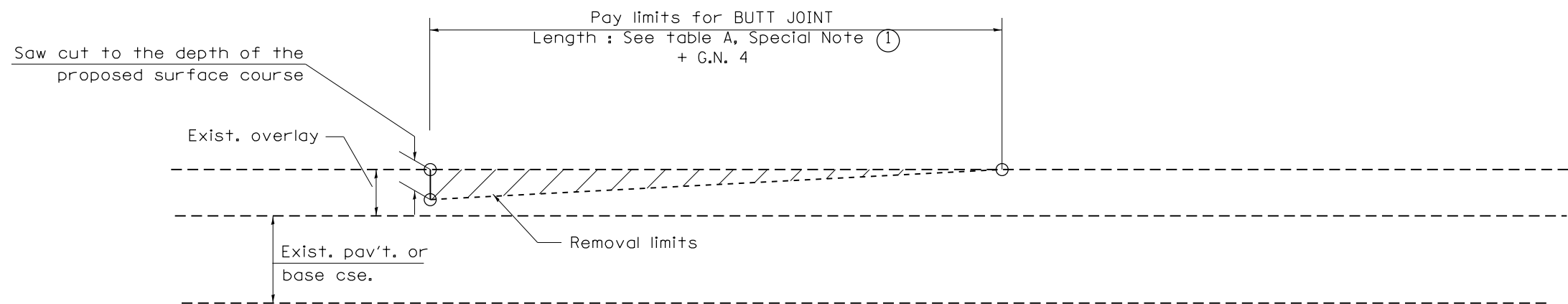
**CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

**TABLE A  
TAPER RATES**

| SPECIAL NOTE NUMBER | ELEMENT                   | MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS | ALL OTHERS |
|---------------------|---------------------------|---|------------|
| ①                   | BUTT JOINT TAPER RATE     | 1:480                                     | 1:240      |
| ②                   | TEMPORARY RAMP TAPER RATE | 1:80                                      | 1:40       |

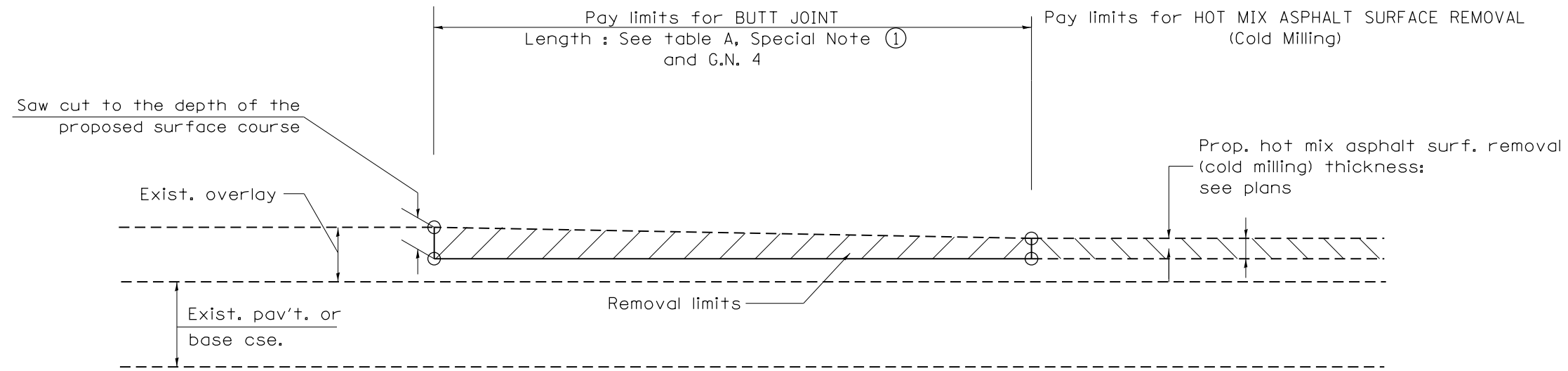
**GENERAL NOTES**

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
5. Temporary ramps are paid for separately and not included in the cost of the butt joints.

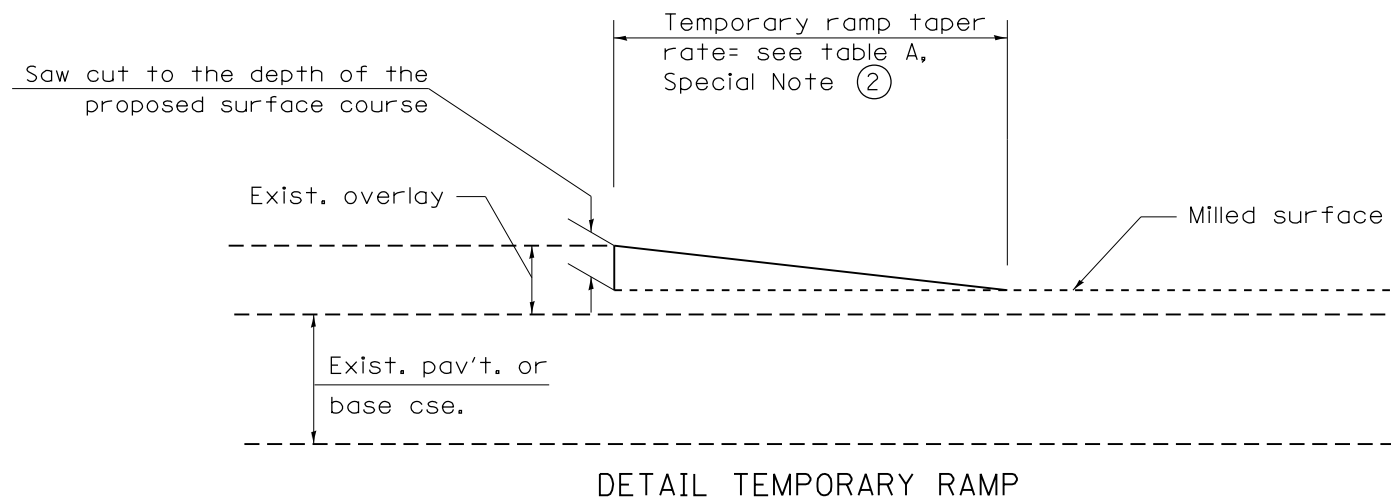


**CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

All dimensions are in inches (millimeters) unless otherwise noted.

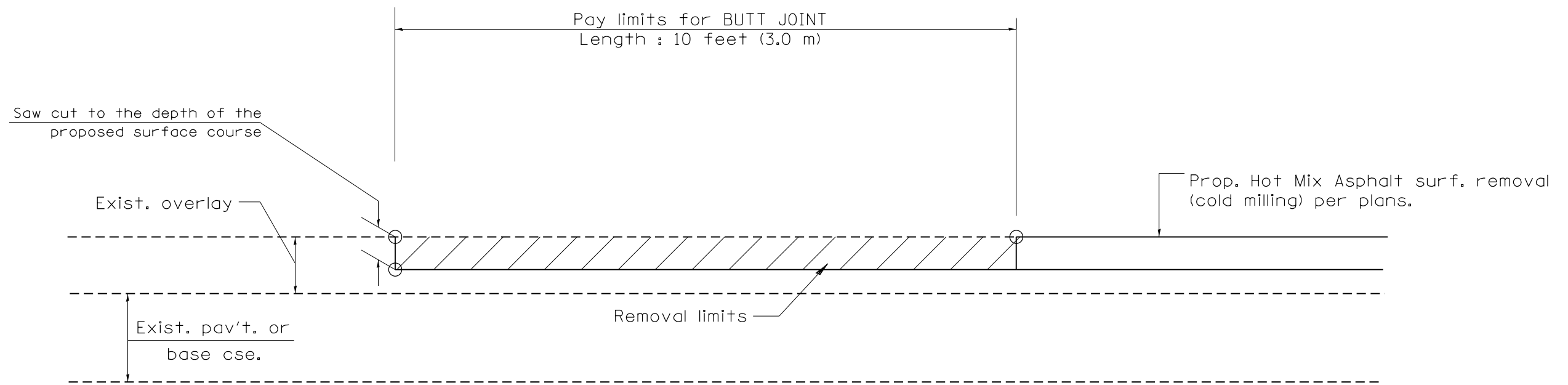


CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER



All dimensions are in inches (millimeters) unless otherwise noted.

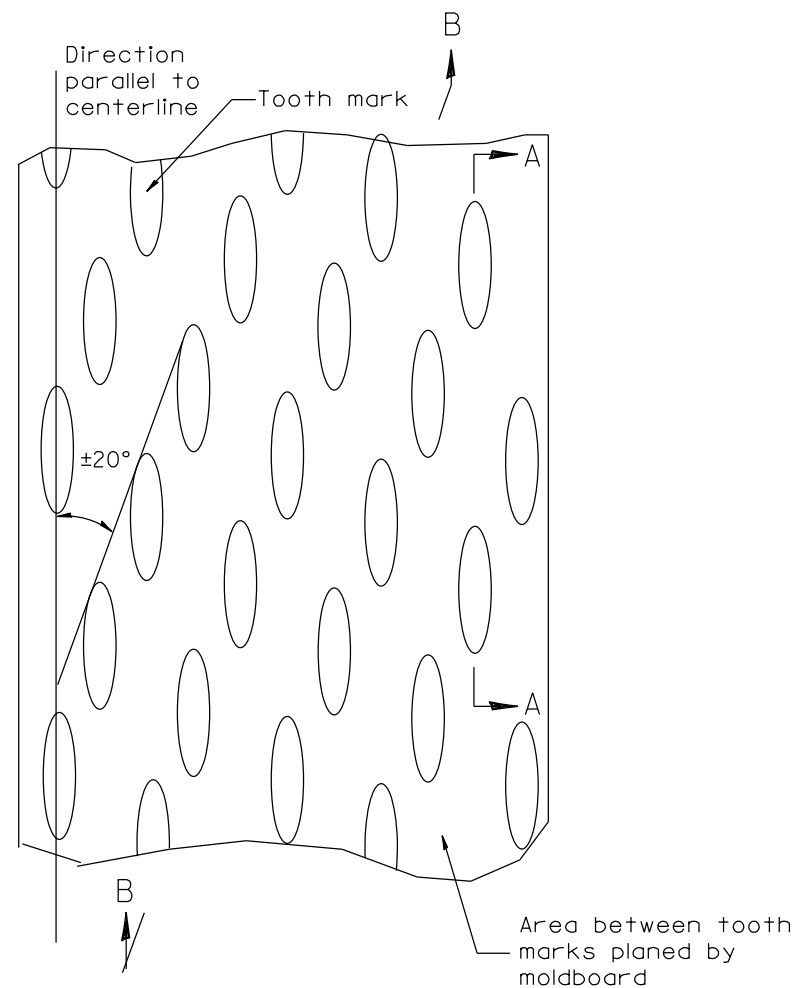
|                     |         |                           |              |   |  |                    |  |                                    |  |
|---------------------|---------|---------------------------|--------------|---|--|--------------------|--|------------------------------------|--|
|                     |         |                           |              | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> |  | <b>BUTT JOINTS</b> |  | SHT. 2 OF 3<br>CADD STD. 406101-D4 |  |
|                     |         |                           |              | NOT TO SCALE  |  |                    |  | CONTRACT NO. 68D69                 |  |
| F.A.P. RTE.         | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO.   |  |                    |  |                                    |  |
| 669                 | 11RS-12 | TAZEWELL                  | 42           | 38  |  |                    |  |                                    |  |
| FED. ROAD DIST. NO. |         | ILLINOIS FED. AID PROJECT |              |   |  |                    |  |                                    |  |



CASE 4 : SINGLE LIFT OVERLAY WITH EQUIVALENT DEPTH  
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER

All dimensions are in inches (millimeters) unless otherwise noted.

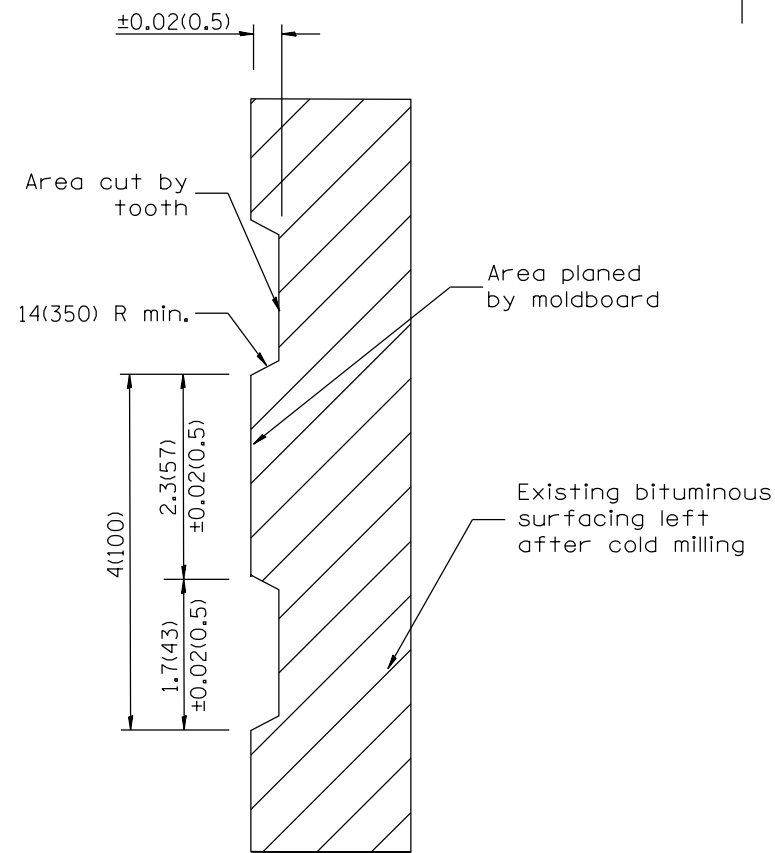
|             |         |          | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> |           | <b>BUTT JOINTS</b> |  | SHT. 3 OF 3<br>CADD STD. 406101-D4            |  | <table border="1"> <tr> <th>F.A.P. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>669</td> <td>11RS-12</td> <td>TAZEWELL</td> <td>42</td> <td>39</td> </tr> <tr> <td colspan="3"></td> <td align="center" colspan="2">CONTRACT NO. 68D69</td> </tr> </table> | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | 669 | 11RS-12 | TAZEWELL | 42 | 39 |  |  |  | CONTRACT NO. 68D69 |  |
|-------------|---------|----------|---|-----------|--------------------|--|---|--|--|-------------|---------|--------|--------------|-----------|-----|---------|----------|----|----|--|--|--|--------------------|--|
| F.A.P. RTE. | SECTION | COUNTY   | TOTAL SHEETS  | SHEET NO. |                    |  |   |  |  |             |         |        |              |           |     |         |          |    |    |  |  |  |                    |  |
| 669         | 11RS-12 | TAZEWELL | 42  | 39        |                    |  |   |  |  |             |         |        |              |           |     |         |          |    |    |  |  |  |                    |  |
|             |         |          | CONTRACT NO. 68D69  |           |                    |  |   |  |  |             |         |        |              |           |     |         |          |    |    |  |  |  |                    |  |
|             |         |          | NOT TO SCALE  |           |                    |  | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |  |  |             |         |        |              |           |     |         |          |    |    |  |  |  |                    |  |



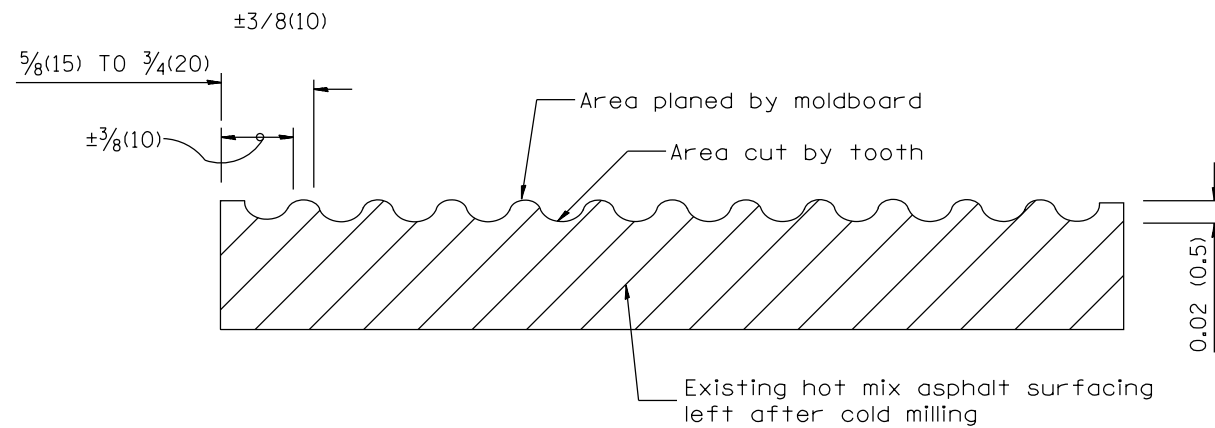
PLAN

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



SECTION A-A



SECTION B-B PROJECTED  
PERPENDICULAR TO CENTERLINE

DESIGNER NOTES:  
1. INCLUDE DISTRICT SPECIAL PROVISION, IF APPLICABLE.

All dimensions are in inches (millimeters) unless otherwise noted.

|          |                                      |      |
|----------|--------------------------------------|------|
| 01-01-97 | RENUM. C-104.01, NEW REVISION BOX    | T.P. |
| 04-20-98 | REMOVED MILLING DETAIL FROM STANDARD | J.A. |
| 09-08-98 | CORRECT NOTE LEADER PLACEMENT        | R.W. |
| 10-16-06 | REVISED TO 2007 SPEC.                | M.A. |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

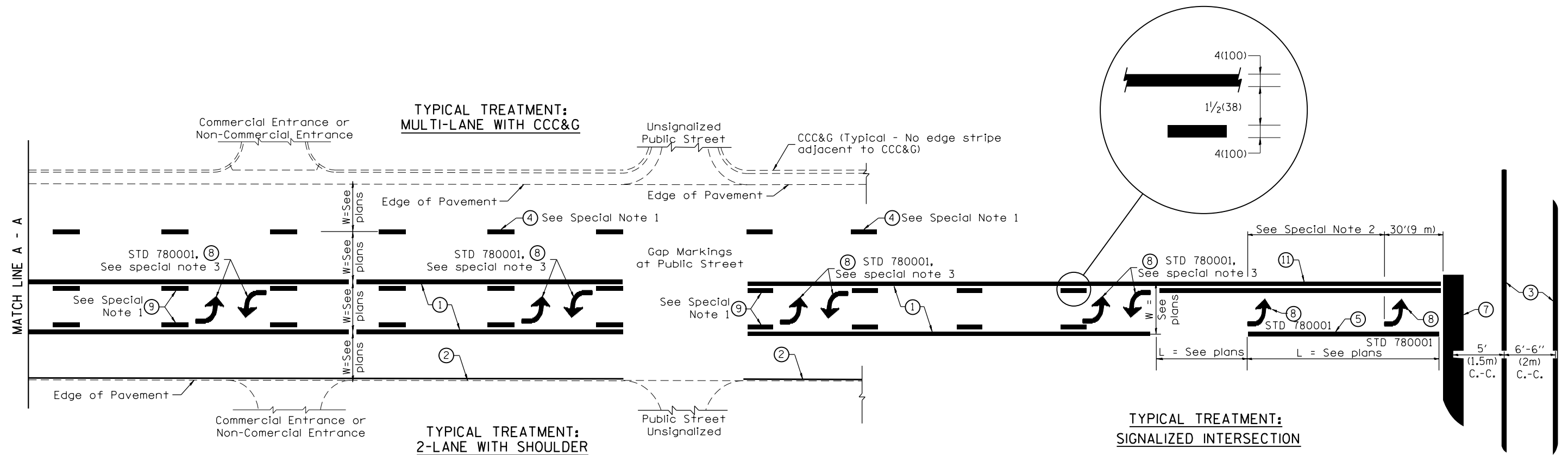
NOT TO SCALE

CADD STD. 440001-D4

| F.A.P. RTE.                                   | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |
|---|---------|----------|--------------|-----------|
| 669   | 11RS-12 | TAZEWELL | 42           | 40        |
| CONTRACT NO. 68D69                            |         |          |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |          |              |           |



DESIGNER NOTES:  
1. Include State Standard 780001 (Typical Pavement Markings)



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE  
WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)  
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

**SPECIAL NOTES**

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
  - A. A minimum of two (2) arrows is required.
  - B. The maximum spacing between arrows is 80' (24 m).
  - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
  - A. A minimum of two (2) arrow pairs is required.
  - B. The maximum spacing between arrow pairs is 200' (61 m).
  - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
  - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

**GENERAL NOTES**

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:
  - Through Arrow= 14.8 sq. ft.
  - Large Left or Right Arrow= 21.9 sq. ft.
  - 2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
  - Wrong Way Arrow= 29.5 sq. ft.
  - Railroad Crossing Symbol= 69.8 sq. ft.
 (For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

|          |                                  |      |          |                       |      |
|----------|----------------------------------|------|----------|-----------------------|------|
| 01-01-97 | RENUM. F-8.03, NEW REVISION BOX  | T.P. | 10-16-06 | REVISED TO 2007 SPEC. |      |
| 02-07-97 | ADD BI DIRECTIONAL DIMENSION     | J.A. | 2/29/16  | ADDED GROOVING AREAS  | R.D. |
| 10-97    | CORRECT BI DIRECTIONAL DIMENSION | J.A. |          |                       |      |
| 08-02    | ADD CROSSWALK DMNS. WITH T.S.    | M.A. |          |                       |      |

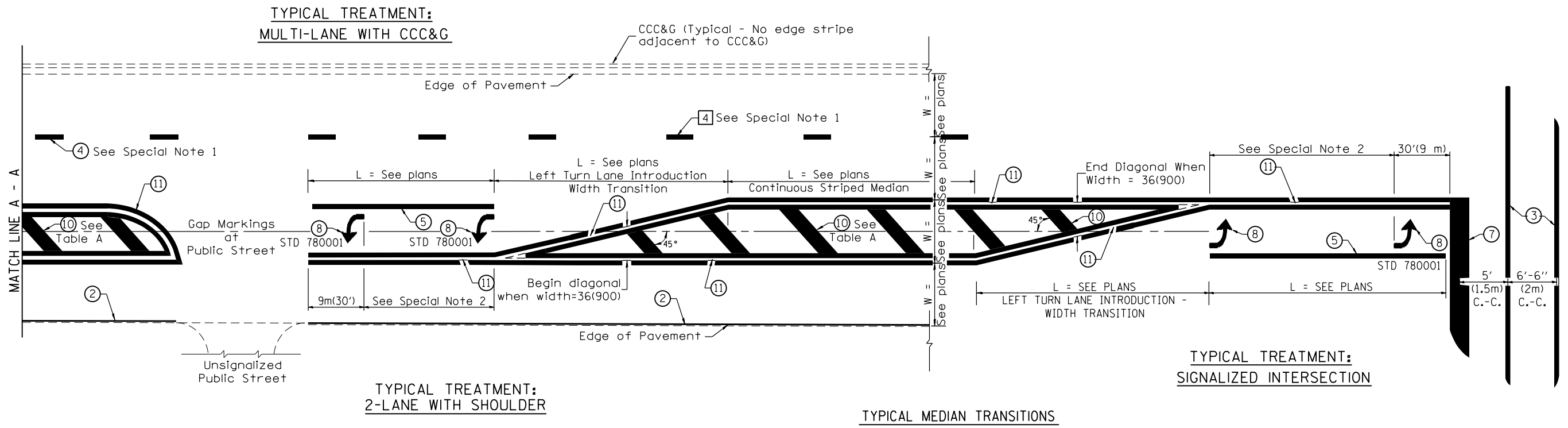
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

**TYPICAL PAVEMENT MARKINGS**

SHT. 1 OF 2  
CADD STD. 780001-D4

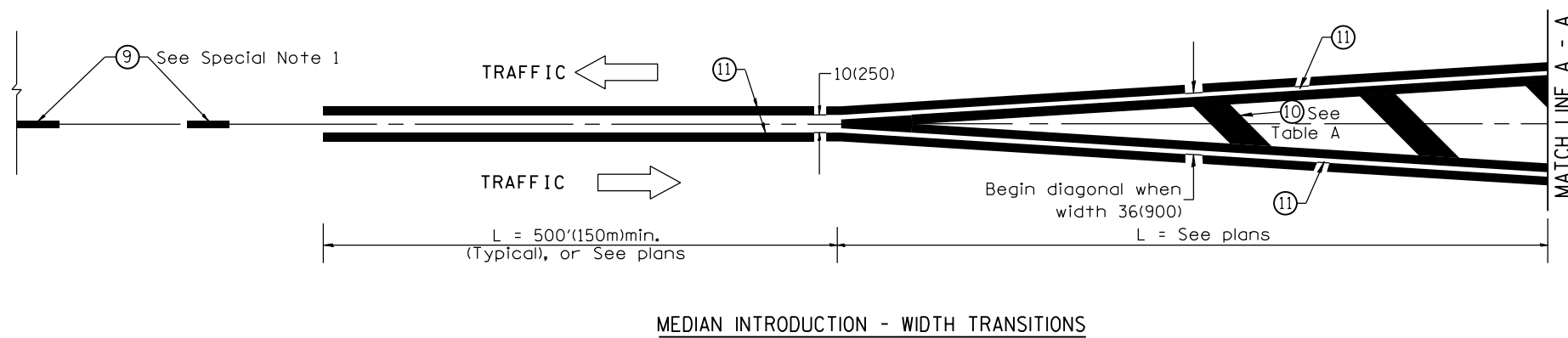
| F.A.P. RTE.                                   | SECTION | COUNTY   | TOTAL SHEETS | SHEET NO. |
|---|---------|----------|--------------|-----------|
| 669   | IIRS-12 | TAZEWELL | 42           | 41        |
| CONTRACT NO. 68D69                            |         |          |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |          |              |           |



**FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE**

**TABLE A  
RECOMMENDED SPACING BETWEEN DIAGONAL LINES**

| SPEED LIMIT RANGE          | CONTINUOUS | INTERSECTION CHANNELIZATION<br>(Includes Width Transitions for<br>Median and Left Turn Lane<br>Introductions) |
|----------------------------|------------|---|
| Less Than 30 mph (50 km/h) | 50' (15m)  | 15' (5m)  |
| 30 - 45 mph (50 - 70 km/h) | 75' (23m)  | 20' (6m)  |
| Over 45 mph (70 km/h)      | 150' (46m) | 30' (9m)  |



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