

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

| F.A.P. RTE. | SECTION            | COUNTY   | TOTAL SHEETS       | SHEET NO. |
|-------------|--------------------|----------|--------------------|-----------|
| 323         | D7 PATCHING 2015-7 | MACON    | 8                  | 1         |
|             |                    | ILLINOIS | CONTRACT NO. 74686 |           |

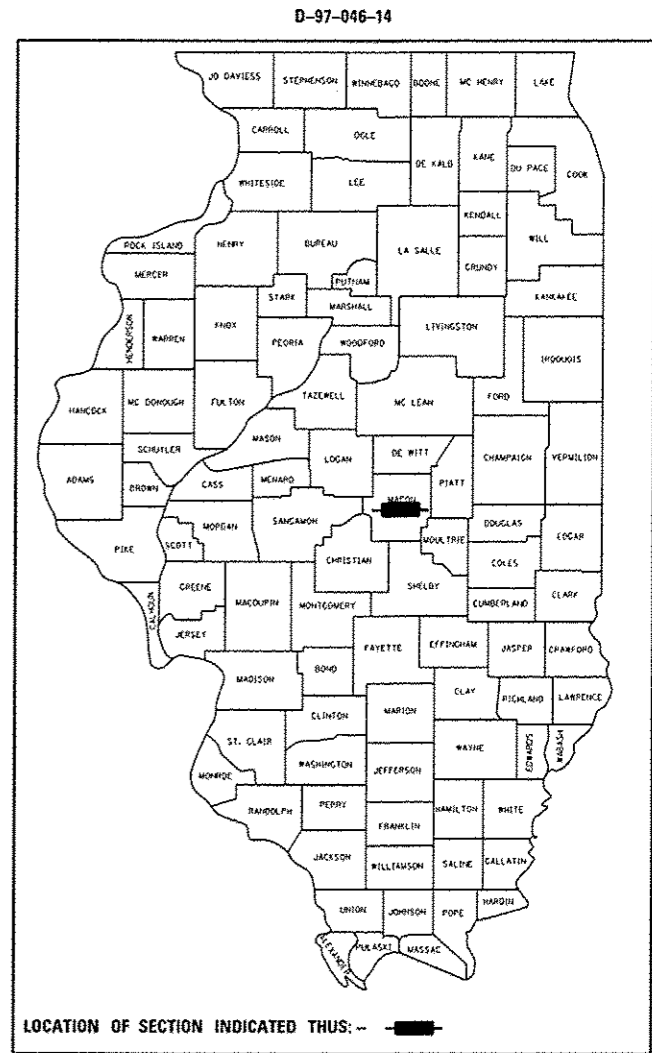
FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT (2013) = 18,900

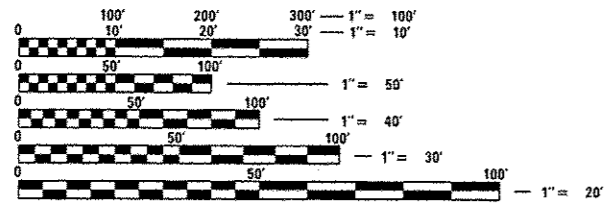
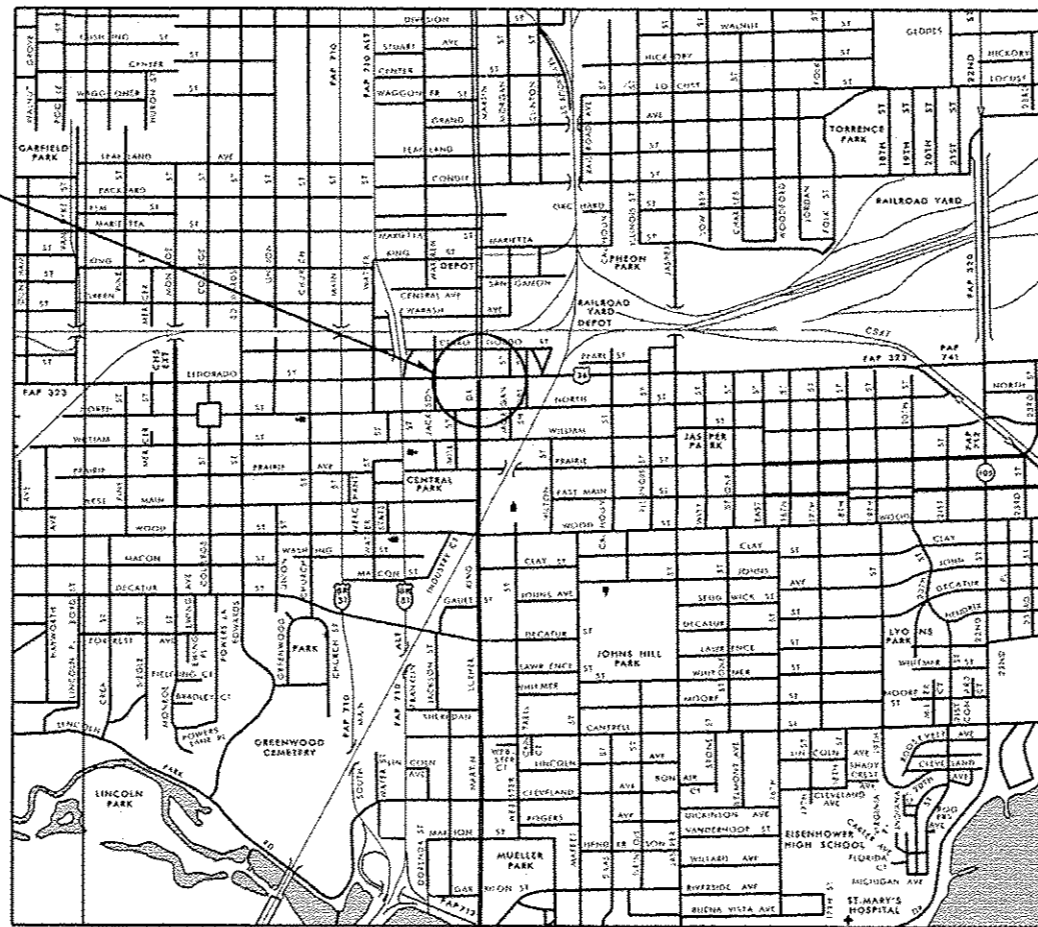
**FAP ROUTE 323 (US 36)**  
**SECTION D7 PATCHING 2015-7**

**CLASS C PATCHING**  
**MACON COUNTY**

C-97-092-14



**PROJECT LOCATION:**  
**MLK /US 36 INTERSECTION**



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

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

**PROJECT ENGINEER: MARK DAUGHERTY**  
**PROJECT MANAGER: BRIAN BIERMAN**

**CONTRACT NO. 74686**

GROSS LENGTH = 80 FT. = 0.02 MILE  
 NET LENGTH = 80 FT. = 0.02 MILE

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED DECEMBER 09, 2014  
Ray L. Dinkel  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Jan 30 2015  
John D. Baranzelli P.E.  
 ENGINEER OF DESIGN AND ENVIRONMENT

Jan 30 2015  
Orner Camacho P.E.  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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**OF THE STATE OF ILLINOIS**

GENERAL NOTES

THE ACTUAL LIMITS OF THE PAVEMENT PATCH SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.  
 ALL SHORT-TERM PAVEMENT MARKING SHALL BE TAPE.

INDEX OF SHEETS

| SHEET NO | TITLE   |
|----------|---|
| 1        | COVER SHEET                                       |
| 2        | GENERAL NOTES, INDEX OF SHEETS, LIST OF STANDARDS |
| 3        | SUMMARY OF QUANTITIES                             |
| 4        | PLAN SHEET  |
| 5-8      | TYPICAL PAVEMENT MARKING DETAILS                  |

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

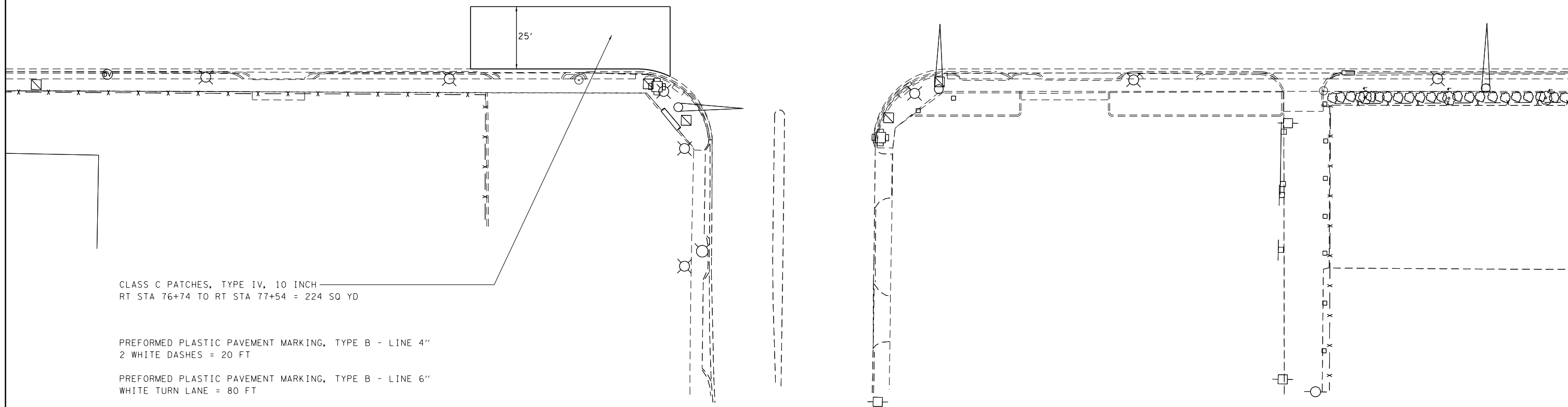
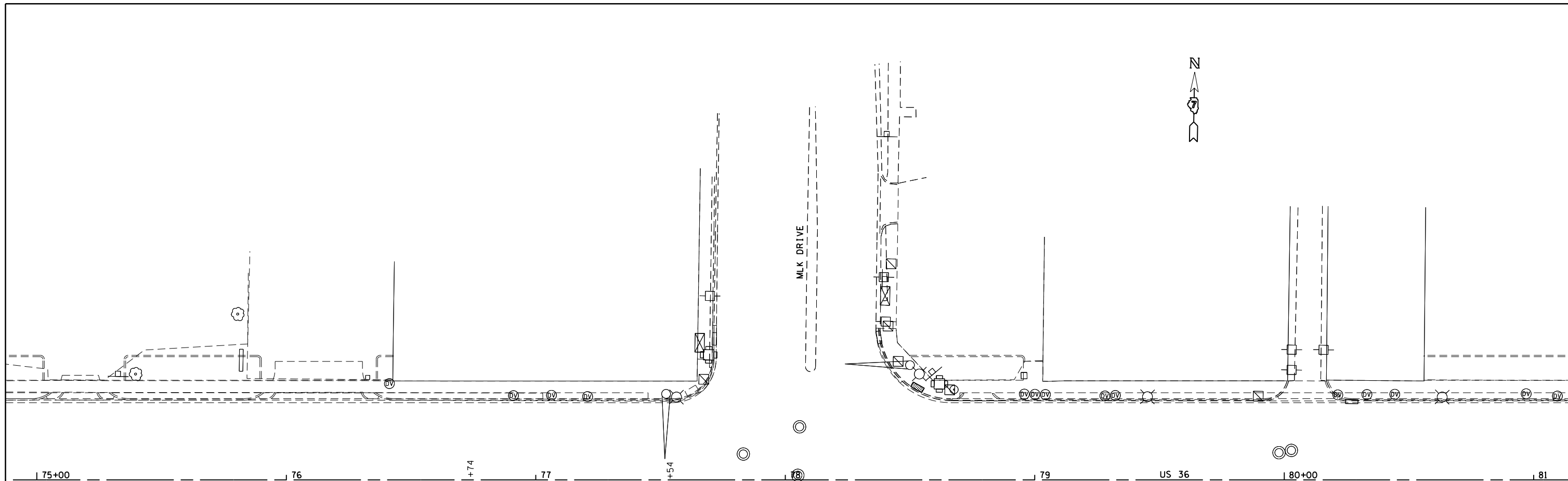
|           |   |
|-----------|---|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS |
| 001006    | DECIMAL OF AN INCH AND OF A FOOT              |
| 442201-03 | CLASS C AND D PATCHES                         |
| 701701-09 | URBAN LANE CLOSURE, MULTILANE INTERSECTION    |
| 701901-04 | TRAFFIC CONTROL DEVICES                       |
| 780001-05 | TYPICAL PAVEMENT MARKINGS                     |
| 886001-01 | DETECTOR LOOP INSTALLATIONS                   |
| 886006-01 | TYPICAL LAYOUTS FOR DETECTION LOOPS           |

|  |                               |            |           |   |  |                    |                    |        |                 |              |
|--|-------------------------------|------------|-----------|---|--|--------------------|--------------------|--------|-----------------|--------------|
| FILE NAME =                            | USER NAME = steffennek        | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>GENERAL NOTES &amp;<br/>INDEX OF SHEETS</b> | F.A.P.<br>RTE.     | SECTION            | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| e:\pwork\pvidot\steffennek\00397125\07 | 4686-shr-gennote.dgn          | DRAWN -    | REVISED - |   |  | 323                | 07 PATCHING 2015-7 | MACON  | 8               | 2            |
|  | PLOT SCALE = 100.0000' / 1" = | CHECKED -  | REVISED - |   |  | CONTRACT NO. 74686 |                    |        |                 |              |
| Default                                | PLOT DATE = 12/9/2014         | DATE -     | REVISED - |   |  | SCALE:             | SHEET              | OF     | SHEETS          | STA.         |

| SUMMARY OF QUANTITIES |   |        | TOTAL QUANTITIES | CONSTRUCTION TYPE CODE |  |
|-----------------------|---|--------|------------------|------------------------|--|
| CODE NO               | ITEM  | UNIT   |                  | 0005 URBAN 100% STATE  |  |
| 44201359              | CLASS C PATCHES, TYPE IV, 10 INCH                     | SO YD  | 224              | 224                    |  |
| 67100100              | MOBILIZATION  | L SUM  | 1                | 1                      |  |
| 70102635              | TRAFFIC CONTROL AND PROTECTION, STANDARD              | L SUM  | 1                | 1                      |  |
|                       | 701701  |        |                  |                        |  |
| 70300100              | SHORT TERM PAVEMENT MARKING                           | FOOT   | 184              | 184                    |  |
| 70301000              | WORK ZONE PAVEMENT MARKING REMOVAL                    | SO FT  | 61               | 61                     |  |
| * 78003110            | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"  | FOOT   | 20               | 20                     |  |
| * 78003130            | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"  | FOOT   | 80               | 80                     |  |
| * 78003180            | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24" | FOOT   | 28               | 28                     |  |
| * 88600100            | DETECTOR LOOP, TYPE I                                 | FOOT   | 165              | 165                    |  |
| X7015005              | CHANGEABLE MESSAGE SIGN                               | CAL DA | 28               | 28                     |  |
| * X7830070            | GROOVING FOR RECESSED PAVEMENT MARKING 5"             | FOOT   | 20               | 20                     |  |
| * X7830074            | GROOVING FOR RECESSED PAVEMENT MARKING 7"             | FOOT   | 80               | 80                     |  |

| SUMMARY OF QUANTITIES |  |      | TOTAL QUANTITIES | CONSTRUCTION TYPE CODE |  |
|-----------------------|--|------|------------------|------------------------|--|
| CODE NO               | ITEM                                       | UNIT |                  | 0005 URBAN 100% STATE  |  |
| X7830090              | GROOVING FOR RECESSED PAVEMENT MARKING 25" | FOOT | 28               | 28                     |  |
| 13                    |  |      |                  |                        |  |

\* SPECIALTY ITEM



CLASS C PATCHES, TYPE IV, 10 INCH  
 RT STA 76+74 TO RT STA 77+54 = 224 SQ YD

PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"  
 2 WHITE DASHES = 20 FT

PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"  
 WHITE TURN LANE = 80 FT

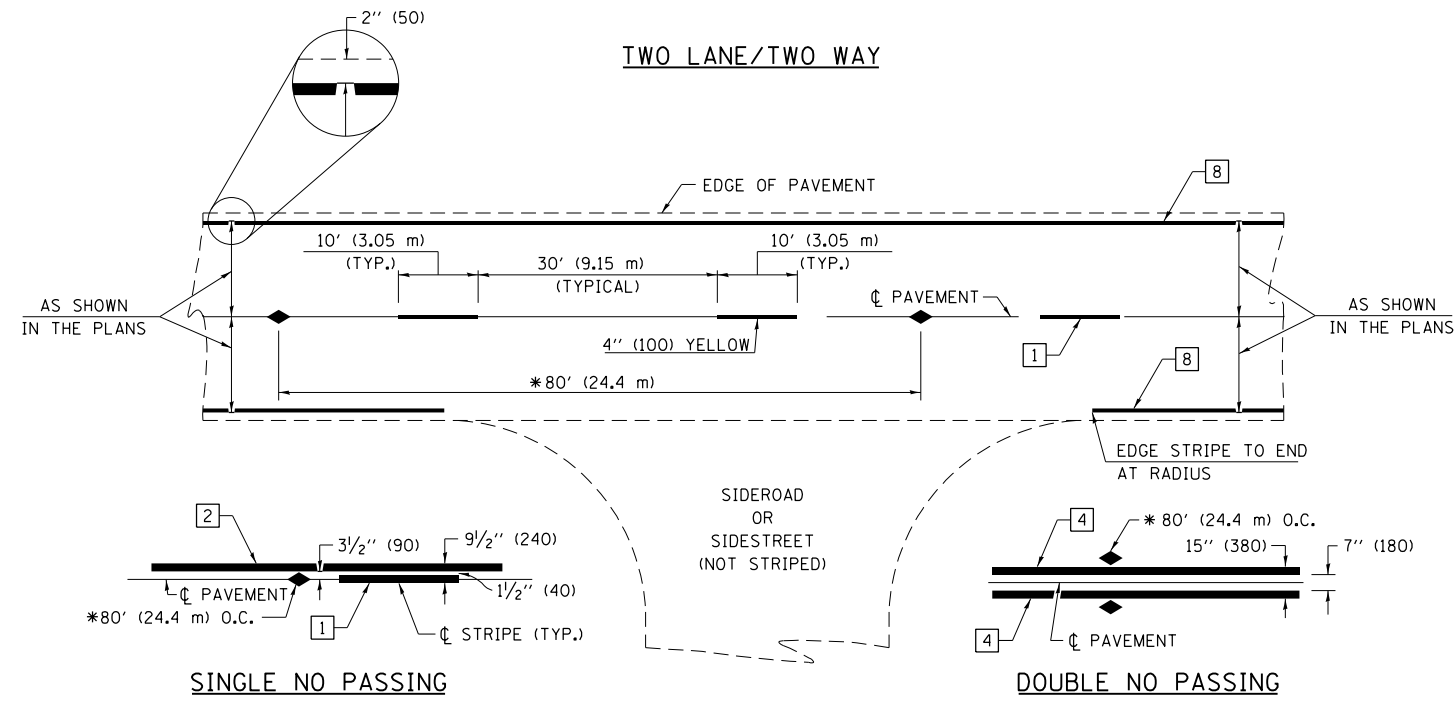
PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"  
 WHITE STOP BAR = 28 FT

|   |                             |            |           |
|---|-----------------------------|------------|-----------|
| FILE NAME =   | USER NAME = steffenmk       | DESIGNED - | REVISED - |
| ci:\pw\work\p\dot\steffenmk\d0397125\074686-sh-t-plan.dgn |                             | DRAWN -    | REVISED - |
| Default   | PLOT SCALE = 40.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 12/9/2014       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

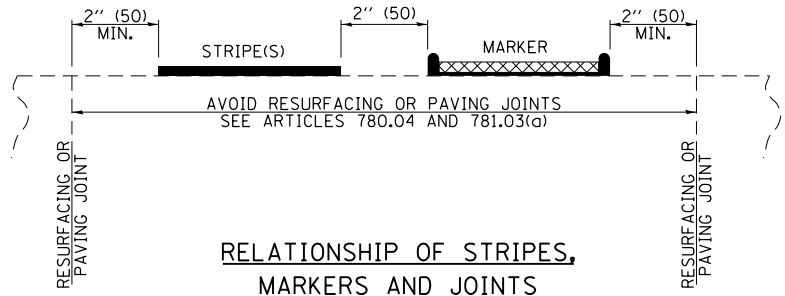
| F.A.P. RTE.               | SECTION            | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------------|--------|--------------|-----------|
| 323                       | D7 PATCHING 2015-7 | MACON  | 8            | 4         |
| CONTRACT NO. 74686        |                    |        |              |           |
| ILLINOIS FED. AID PROJECT |                    |        |              |           |



PAVEMENT MARKING LEGEND

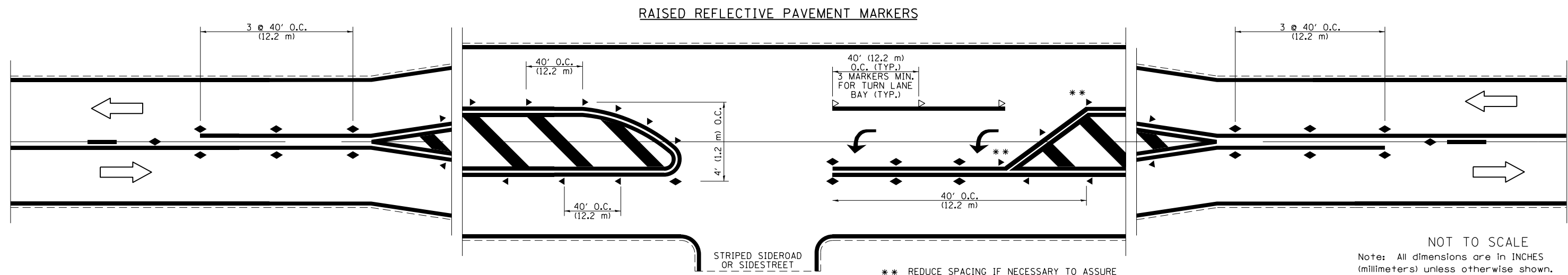
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE

\* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.



TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER



NOT TO SCALE  
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

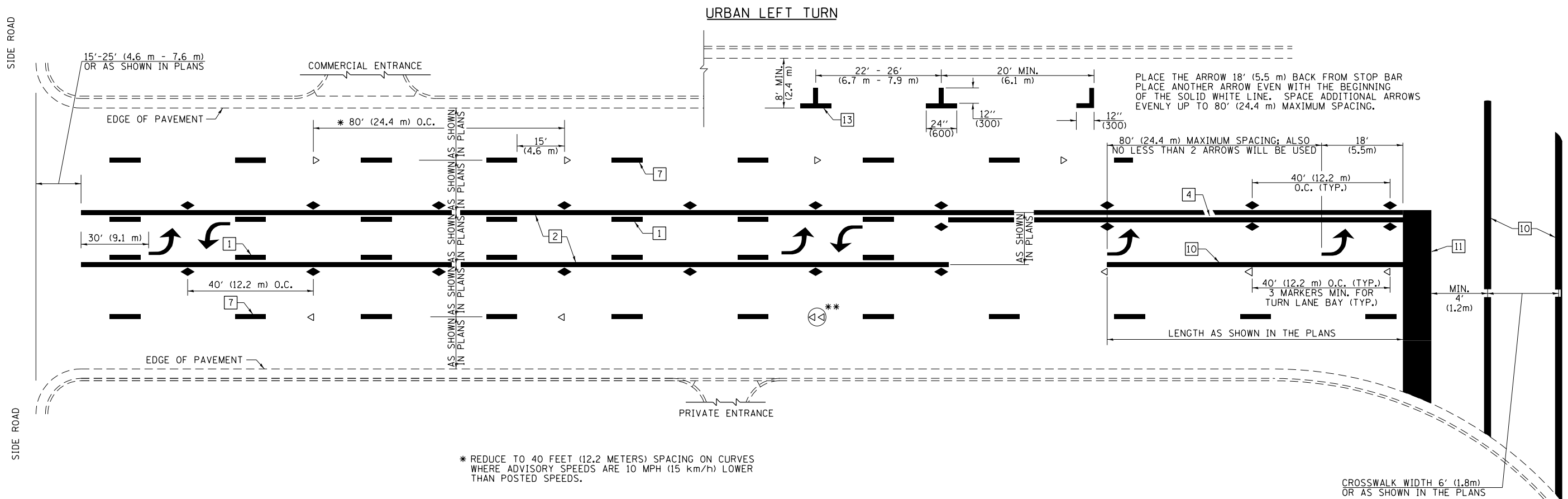
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|---|-------------------------------|------------|-----------|
| FILE NAME =   | USER NAME = steffenmk         | DESIGNED - | REVISED - |
| ei:\pw\work\p\dot\stevfenmk\d0397125\074686-sh1-details.dgn |                               | DRAWN -    | REVISED - |
|   | PLOT SCALE = 100.0000' / 1in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 12/9/2014         | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS  
(RURAL & URBAN APPLICATIONS)

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

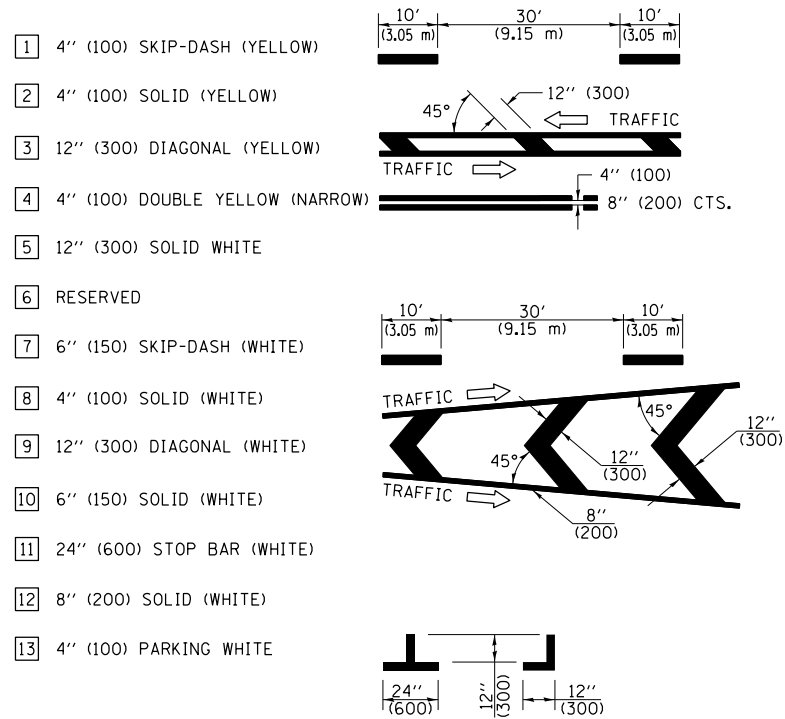
|                                |                    |        |                    |           |
|--------------------------------|--------------------|--------|--------------------|-----------|
| DISTRICT 7 DETAIL NO. 78000001 |                    |        |                    |           |
| F.A.P. RTE.                    | SECTION            | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 323                            | D7 PATCHING 2015-7 | MACON  | 8                  | 5         |
|                                |                    |        | CONTRACT NO. 74686 |           |
| ILLINOIS FED. AID PROJECT      |                    |        |                    |           |



PLACE THE ARROW 18' (5.5 m) BACK FROM STOP BAR  
PLACE ANOTHER ARROW EVEN WITH THE BEGINNING  
OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS  
EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING.

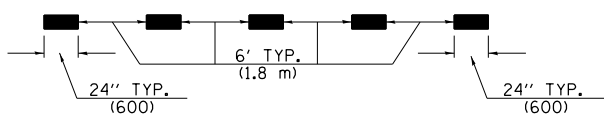
- \* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.
- \*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

**PAVEMENT MARKING LEGEND**

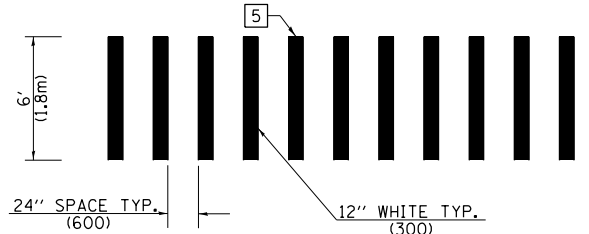


**GENERAL NOTES**

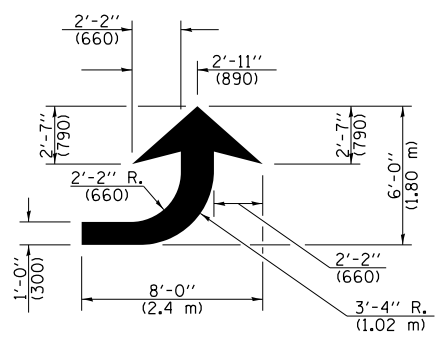
1. TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
3. THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
4. USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)
5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.



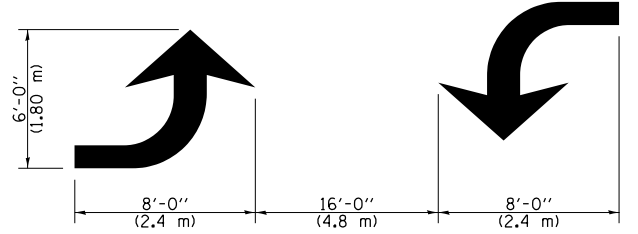
**LANE LINE EXTENSIONS**



**CROSSWALK DETAIL (DECATUR CITY LIMITS ONLY)**



**LEFT ARROW**  
REVERSE FOR RIGHT ARROW  
AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
(WHITE)



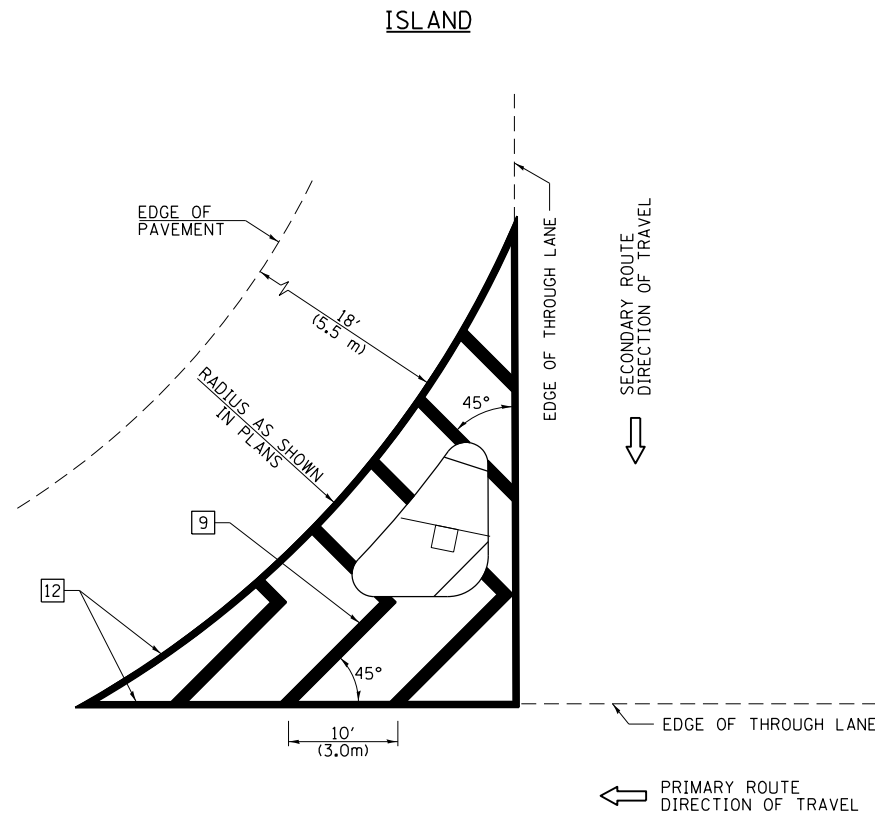
**TYPICAL DOUBLE TURN ARROWS (WHITE)**

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 7 DETAIL NO. 7800001**

|   |                               |            |           |   |   |                           |                    |        |              |           |  |
|---|-------------------------------|------------|-----------|---|---|---------------------------|--------------------|--------|--------------|-----------|--|
| FILE NAME =   | USER NAME = steffenmk         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS<br/>(RURAL &amp; URBAN APPLICATIONS)</b> | F.A.P. RTE.               | SECTION            | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| ei:\pw\work\p\d03\steffenmk\d0397125\074686-sh1-details.dgn | PLOT SCALE = 100.0000' / 1" = | DRAWN -    | REVISED - |   |   | 323                       | D7 PATCHING 2015-7 | MACON  | 8            | 6         |  |
|   | PLOT DATE = 12/9/2014         | CHECKED -  | REVISED - |   |   | CONTRACT NO. 74686        |                    |        |              |           |  |
|   |                               | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |                    |        |              |           |  |

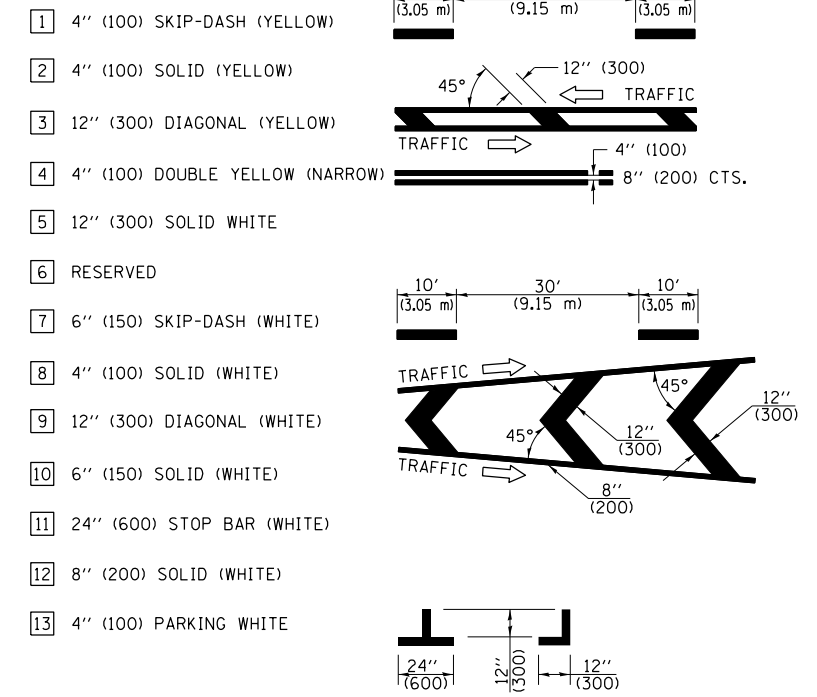


**GENERAL NOTES**

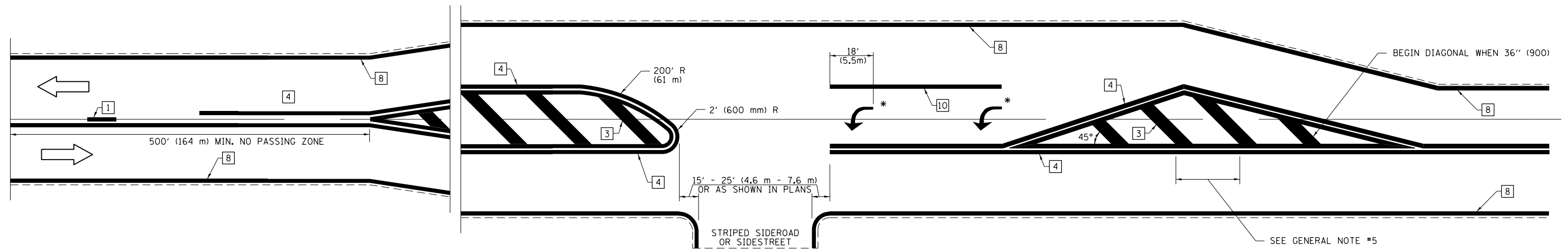
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

|                        |             |
|------------------------|-------------|
| < 30 MPH (< 50 km/h)   | 15' (4.5 m) |
| 30-45 MPH (50-75 km/h) | 20' (6.0 m) |
| > 45 MPH (> 75 km/h)   | 30' (9.0 m) |

**PAVEMENT MARKING LEGEND**



**RURAL LEFT TURN STRIPING**



\* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE  
 Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 7 DETAIL NO. 7800001**

|  |                               |            |           |
|--|-------------------------------|------------|-----------|
| FILE NAME =  | USER NAME = steffenmk         | DESIGNED - | REVISED - |
| ci:\pw\work\p\idot\steffenmk\d0397125\074686-sh1-details.dgn |                               | DRAWN -    | REVISED - |
|  | PLOT SCALE = 100.0000' / 1in. | CHECKED -  | REVISED - |
|  | PLOT DATE = 12/9/2014         | DATE -     | REVISED - |

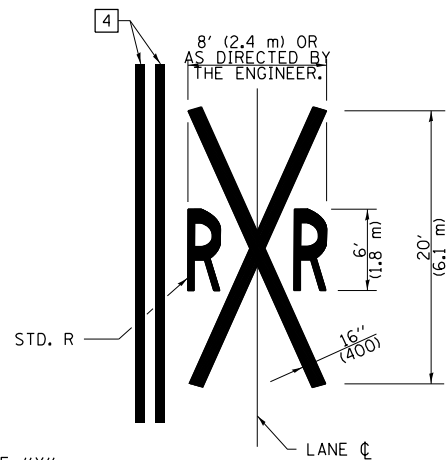
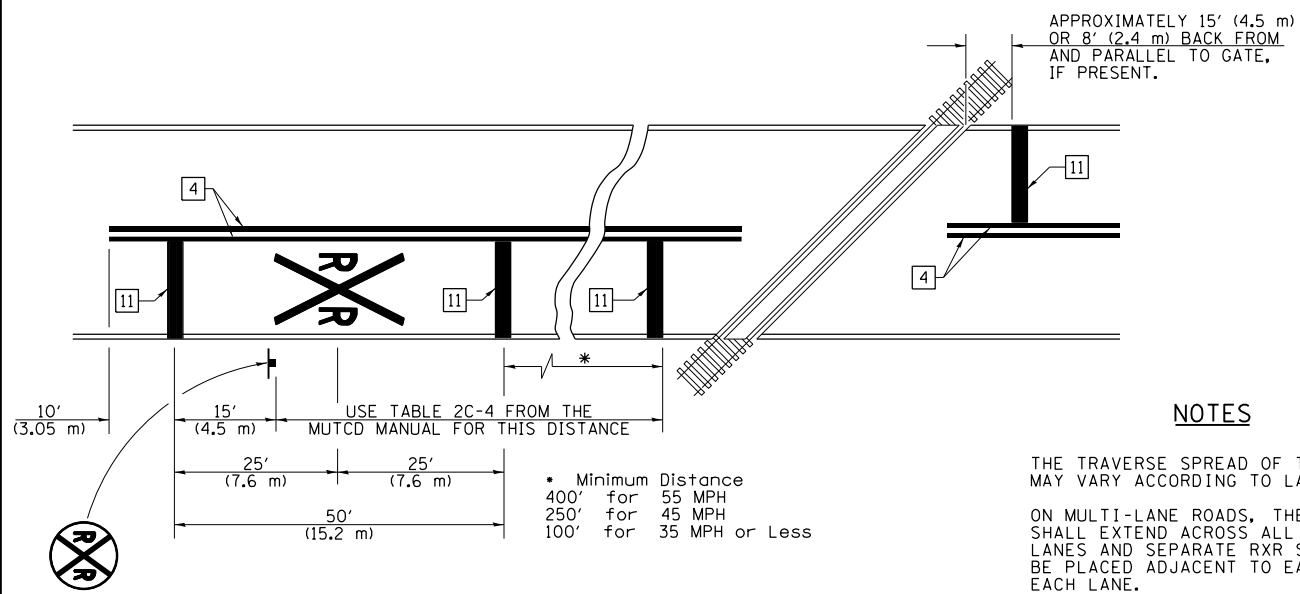
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS  
 (RURAL & URBAN APPLICATIONS)**

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION            | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|--------------------|--------|--------------------|-----------|
| 323                       | D7 PATCHING 2015-7 | MACON  | 8                  | 7         |
| ILLINOIS FED. AID PROJECT |                    |        | CONTRACT NO. 74686 |           |

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



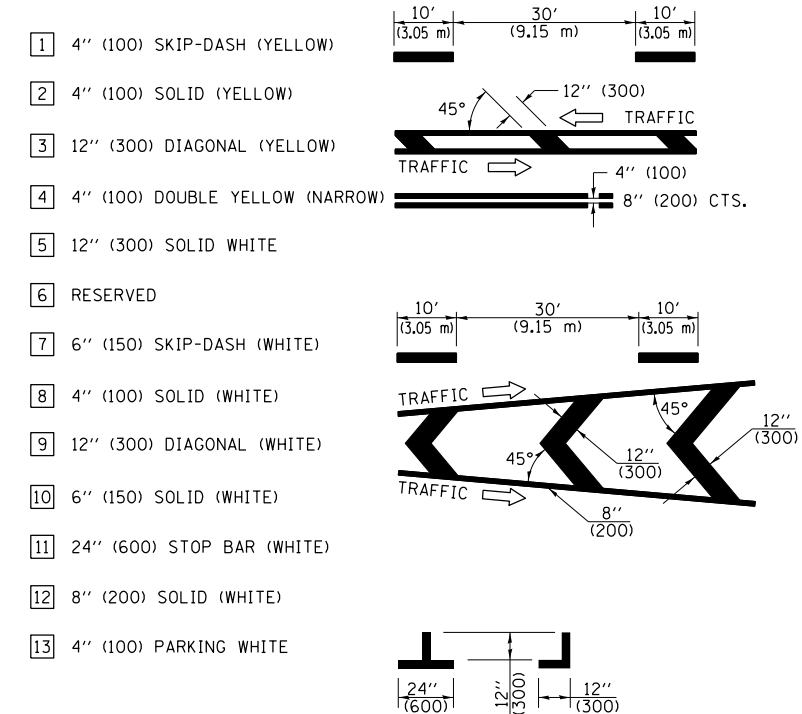
NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

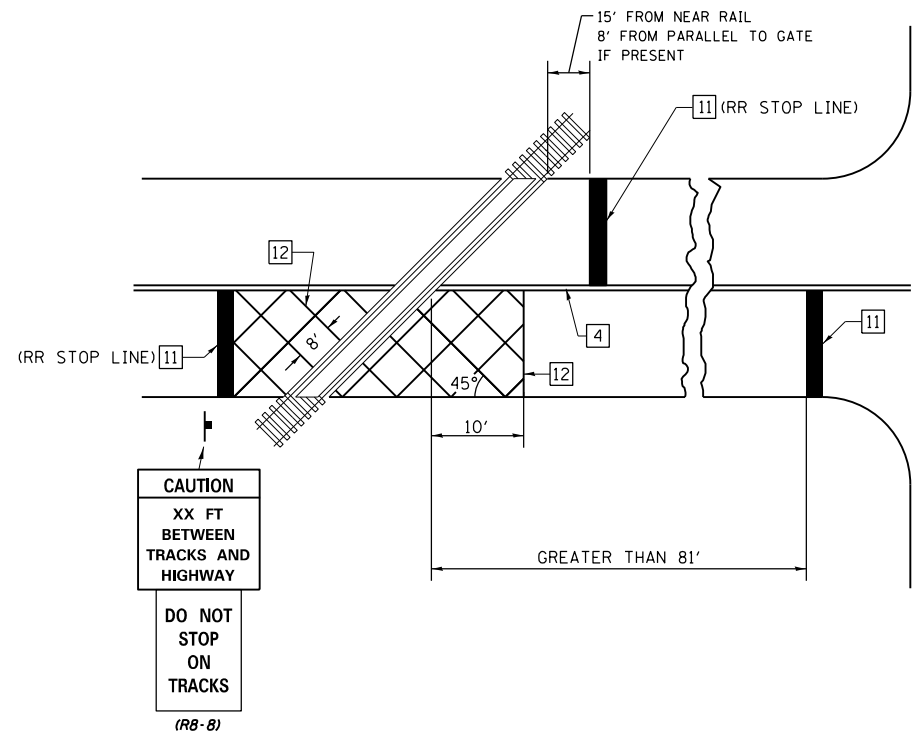
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

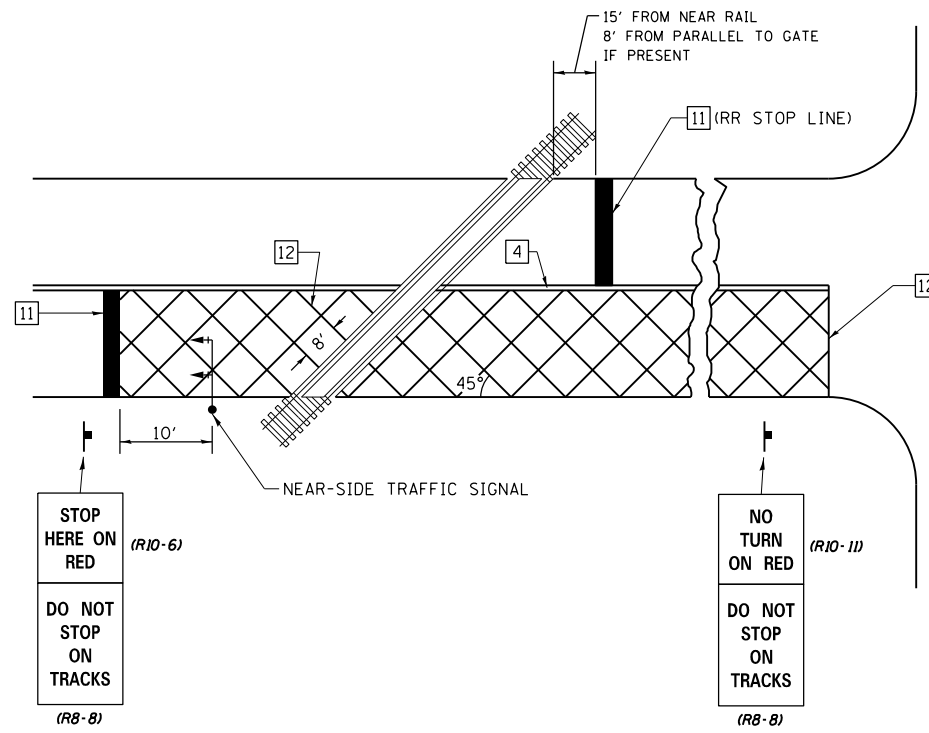
PAVEMENT MARKING LEGEND



RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

|  |                       |            |           |
|--|-----------------------|------------|-----------|
| FILE NAME =  | USER NAME = steffenmk | DESIGNED - | REVISED - |
| ci:\pw\work\p\idot\stevfenmk\d0397125\074686-sh1-details.dgn |                       | DRAWN -    | REVISED - |
| PLOT SCALE = 100.0000' / 1in.                                |                       | CHECKED -  | REVISED - |
| PLOT DATE = 12/9/2014  |                       | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS  
(RURAL & URBAN APPLICATIONS)

SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.

DISTRICT 7 DETAIL NO. 7800001

| F.A.P. RTE.        | SECTION            | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|--------------------|--------|---------------------------|-----------|
| 323                | D7 PATCHING 2015-7 | MACON  | 8                         | 8         |
| CONTRACT NO. 74686 |                    |        | ILLINOIS FED. AID PROJECT |           |