

INDEX OF SHEETS

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08-22-14 SPECIAL LETTING ITEM 021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

VARIOUS ROUTES
ITNMT SPRING RD REPAIR 2014-6

INTERMITTENT ROAD REPAIRS
KANKAKEE COUNTY

C-93-120-14

LOCATION 1 - US 45/52 FROM WILL COUNTY LINE TO MANTENO RD
 LOCATION 2 - IL 114 FROM IL 1/17 TO INDIANA STATE LINE

| | | | | |
|-------------|---------|----------|--------------|--------------------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR | * | KANKAKEE | 10 | 1 |
| | | ILLINOIS | | CONTRACT NO. 66D91 |

* INTERMITTENT SPRING ROAD REPAIR 2014-6

D-93-069-14

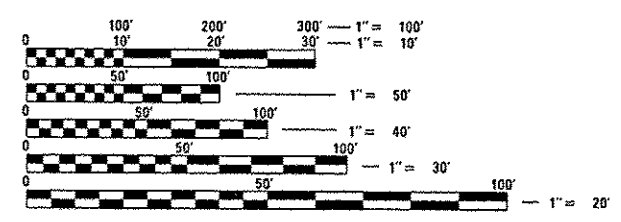


SEE PAGE 2 FOR ADT AND FUNCTIONAL CLASSIFICATION

LOCATION 2
IL 114

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

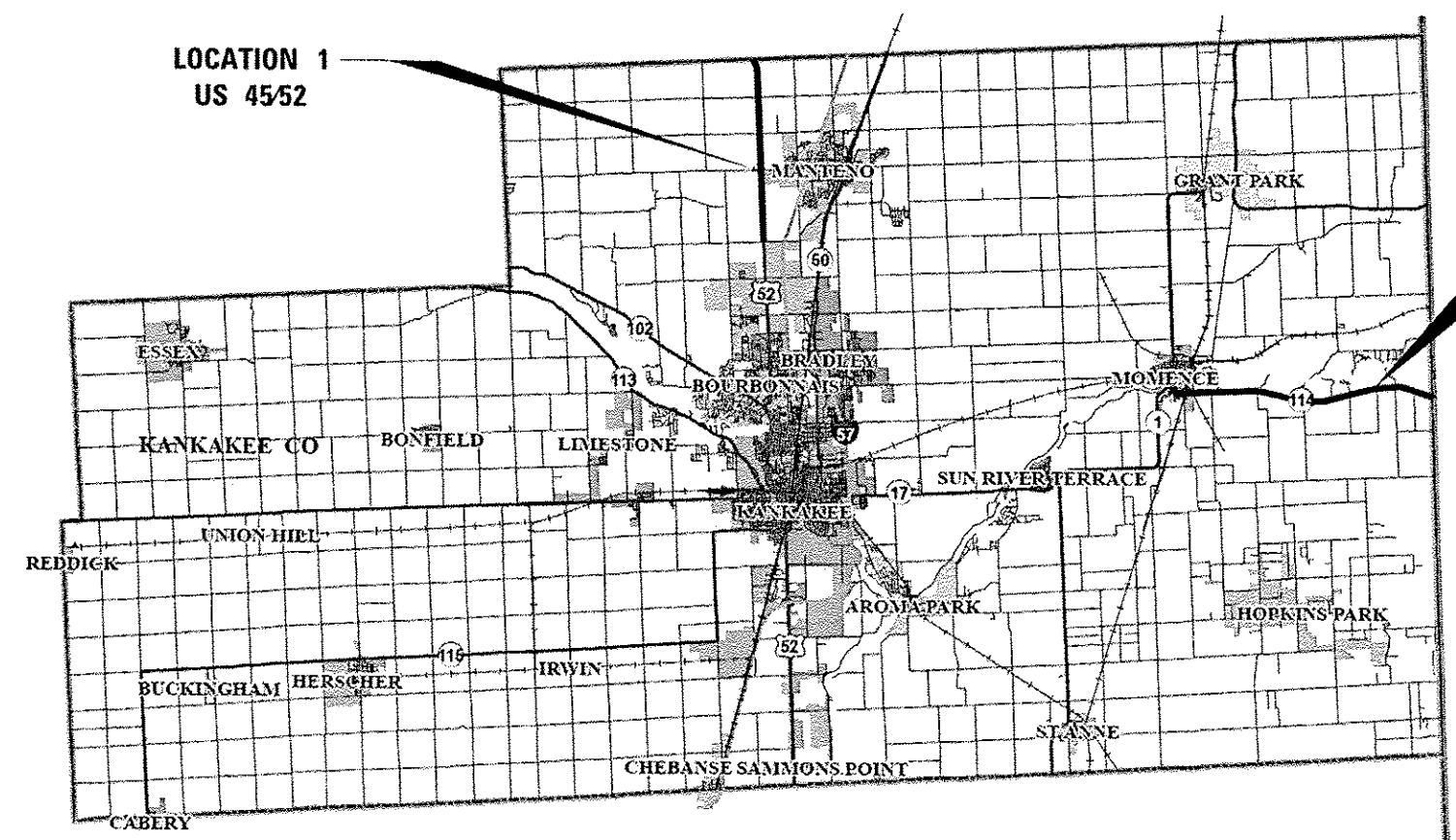
| | |
|-----------|--|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 424001-07 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS |
| 424006-01 | DIAGONAL CURB RAMPS FOR SIDEWALKS |
| 424011-01 | CORNER PARALLEL CURB RAMPS FOR SIDEWALKS |
| 424016-01 | MID-BLOCK CURB RAMPS FOR SIDEWALKS |
| 424021-02 | DEPRESSED CORNER FOR SIDEWALKS |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701306-03 | LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH |
| 701311-03 | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701801-05 | LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE |
| 701901-03 | TRAFFIC CONTROL DEVICES |
| 780001-04 | TYPICAL PAVEMENT MARKINGS |
| 886001-01 | DETECTOR LOOP INSTALLATIONS |
| 886006-01 | TYPICAL LAYOUT FOR DETECTION LOOPS |



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: JOE KANNEL, PE
UNIT CHIEF: MICHELE LINDEMANN, PE
 DISTRICT 3 NO. (815) 434-6131
 CONTRACT NO. 66D91



GROSS LENGTH = 10.50 MILES

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED June 25, 2014
Paul Loete, PE
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

July 18, 2014
John D. Baranzelli, PE
 ENGINEER OF DESIGN AND ENVIRONMENT

July 18, 2014
Orner Osman, PE
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

NO CONSTRUCTION ACTIVITIES SHALL BE PERFORMED WITHIN 50 FEET OF RAILROAD RIGHT OF WAY.

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

| | | |
|------------------------------|--------|----------------------------|
| HMA RESURFACING | 112 | LBS / SQ YD / IN |
| SHORT TERM PAVEMENT MARKING | 10 | FT / 100 FT OF APPLICATION |
| MIX FOR CRACKS, JTS & FLGWYS | 0.0003 | TONS / SQ YD |
| LEVEL BINDER (HAND METHOD) | 0.0005 | TONS / SQ YD |

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

FUNCTIONAL CLASSIFICATION AND ADT

LOCATION 1 - US 45/52
 WILL COUNTY LINE TO MANTENO RD (3.10 MILES)
 OTHER PRINCIPAL ARTERIAL
 2013 ADT = 7100
 P.V. = 84.15%
 S.U. = 6.34%
 M.U. = 9.51%

LOCATION 2 - IL 114
 IL 1/17 TO THE INDIANA STATE LINE (7.40 MILES)
 RURAL MINOR ARTERIAL
 2013 ADT = 6400
 P.V. = 69.14%
 S.U. = 8.98%
 M.U. = 21.88%

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DISTRICT THREE

PREPARED BY: *D. Bernik*
 DISTRICT STUDIES & PLANS ENGINEER

DATE: June 25, 2014

EXAMINED BY: _____
 DISTRICT CONSTRUCTION ENGINEER

DISTRICT MATERIALS ENGINEER
Bruce A. Hucker
 DISTRICT OPERATIONS ENGINEER

| | | | | | | | | | | | |
|--|----------------------------|------------|-----------|---|----------------------|-----------------|----------|--------------------|-----------------|---------------------------|--|
| FILE NAME * c:\pwork\pvidot\carpentardj\0307881\3xxxx-shr-cover.dgn | USER NAME * carpentardj | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | GENERAL NOTES | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| PLOT SCALE * 100.0000' / in. | DRAWN - | REVISED - | VAR | | | * | KANKAKEE | 10 | 2 | | |
| PLOT DATE * 6/25/2014 | CHECKED - | REVISED - | SCALE: | | | SHEET OF SHEETS | | STA. | TO STA. | ILLINOIS FED. AID PROJECT | |
| | DATE - | REVISED - | | | | | | CONTRACT NO. 66091 | | | |

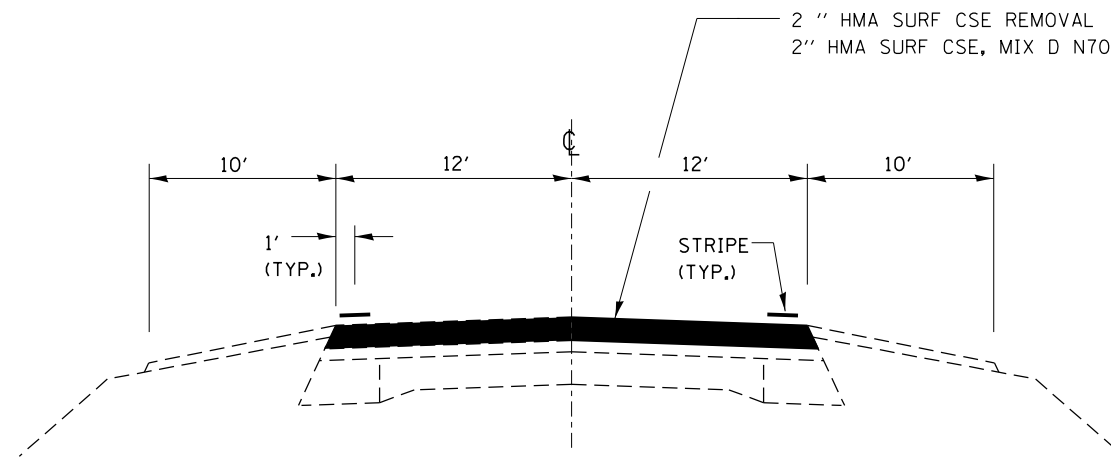
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | |
|----------|---|-------|----------------|-------------------|-------|
| | | | | 100% STATE | |
| | | | | ROADWAY | RURAL |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 2034 | 2034 | |
| 70301000 | WORK ZONE PAVEMENT MARKING REMOVAL | SQ FT | 678 | 678 | |
| 78001110 | PAINT PAVEMENT MARKING - LINE 4" | FOOT | 63360 | 63360 | |
| 78001130 | PAINT PAVEMENT MARKING - LINE 6" | FOOT | 7920 | 7920 | |
| 78009000 | MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOL | SQ FT | 234.9 | 234.9 | |
| 78009004 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" | FOOT | 15134 | 15134 | |
| 78009006 | MODIFIED URETHANE PAVEMENT MARKING - LINE 6" | FOOT | 2319 | 2319 | |
| 78009024 | MODIFIED URETHANE PAVEMENT MARKING - LINE 24" | FOOT | 96 | 96 | |
| 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 198 | 198 | |
| 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 281 | 281 | |

16

• SPECIALTY ITEMS

• INTERMITTENT SPRING ROAD REPAIR 2014-6

CONTRACT NO. 66091

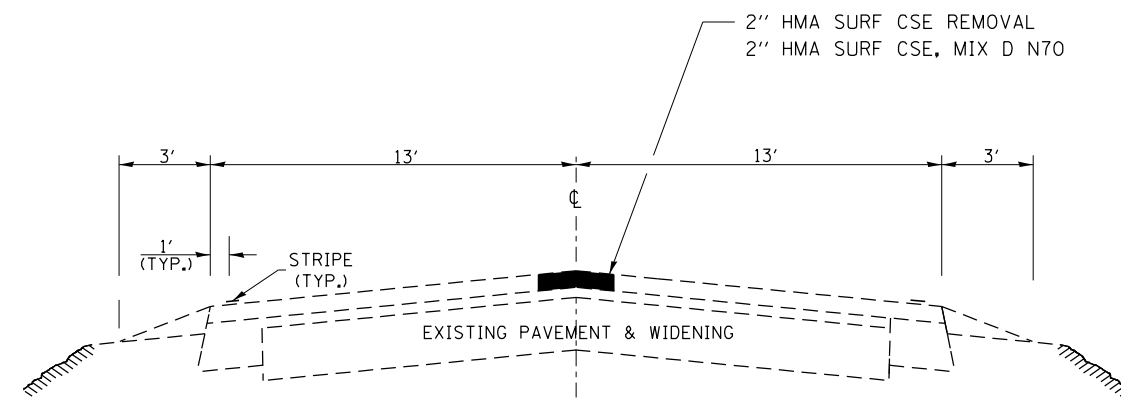


LOCATION 1 – US 45/2

WILL COUNTY LINE TO MANTENO RD

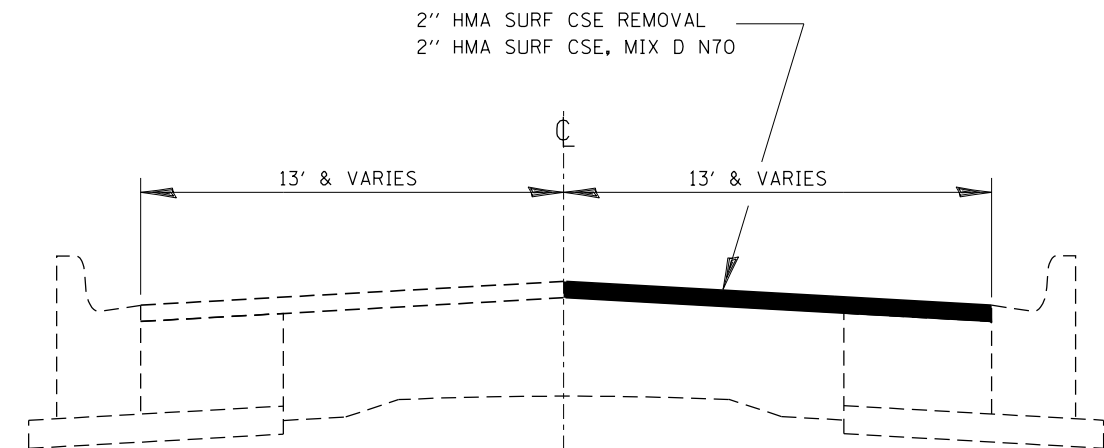
| MIX DESIGN - ALL LOCATIONS | | | | | |
|----------------------------|----------|------------------|-----------------|--------------|-----------------|
| MIX | PG GRADE | DESIGN AIR VOIDS | MIX COMPOSITION | FRICTION AGG | DENSITY CONTROL |
| HMA SURFACE | PG 64-22 | 4.0% @N70 | IL 9.5 | MIXTURE D | CORES |

SEE SCHEDULES FOR WIDTHS AND LOCATIONS OF MILLING AND RESURFACING



LOCATION 2 – IL 114

IL 1/17 TO INDIANA STATE LINE



LOCATION 2 – IL 114

IL 1/17 TO INDIANA STATE LINE

• INTERMITTENT SPRING ROAD REPAIR 2014-6

| | | | |
|---|------------------------------|------------|-----------|
| FILE NAME = | USER NAME = carpenterdj | DESIGNED - | REVISED - |
| c:\pwork\pwork\carpenterdj\d0387881\03xxxxx-shr-typicol.dgn | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - |
| \$MODELNAME\$ | PLOT DATE = 6/25/2014 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| VAR | • | KANKAKEE | 10 | 5 |
| CONTRACT NO. 66D91 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

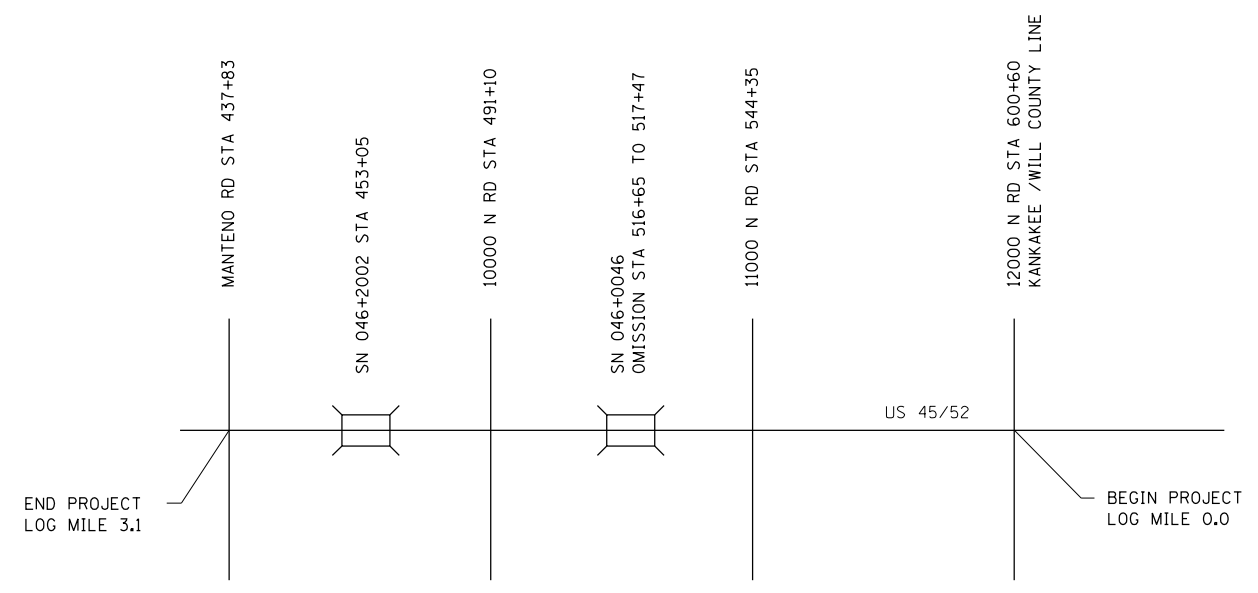
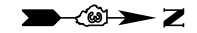
| RESURFACING SCHEDULE | | | | | | | | |
|-------------------------------------|-----------------|---------------|-------|-----------------|--------------|-----------------|---------------------------------|-------------------|
| LOCATION | | APPROX LENGTH | WIDTH | HMA SURF REM 2" | HMA SURF CSE | BIT MAT (PR CT) | MIX FOR CRACKS, JOINTS & FLGWYS | LEVEL BINDER (HM) |
| LOG MI | | FOOT | FOOT | SQ YD | TON | LB | TON | TON |
| LOCATION 1 (US 45/52 WILL CO. LINE) | | | | | | | | |
| 0.0 TO 3.0 | NB & SB LANES | 15840 | 24 | 42240 | 4730.9 | 19008.0 | 12.67 | 21.12 |
| SUBTOTAL 1 | | | | 42240 | 4730.9 | 19008.0 | 12.67 | 21.12 |
| LOCATION 2 (IL 114) | | | | | | | | |
| 0.2 TO 0.7 | EB DRIVING LANE | 2640 | 12 | 3520 | 394.2 | 1584.0 | 1.06 | 1.76 |
| 0.2 TO 0.7 | WB DRIVING LANE | 2640 | 13 | 3813 | 427.1 | 1716.0 | 1.14 | 1.91 |
| 0.8 | EB DRIVING LANE | 50 | 12 | 67 | 7.5 | 30.0 | 0.02 | 0.03 |
| 0.9 | EB EOP | 50 | 2 | 11 | 1.2 | 5.0 | 0 | 0.01 |
| 1.2 TO 1.3 | WB EOP | 528 | 2 | 117 | 13.1 | 52.8 | 0.04 | 0.06 |
| 1.2 TO 1.3 | EB EOP | 528 | 2 | 117 | 13.1 | 52.8 | 0.04 | 0.06 |
| 1.9 TO 2.1 | CENTERLINE | 1056 | 2 | 235 | 26.3 | 105.6 | 0.07 | 0.12 |
| 2.2 | WB DRIVING LANE | 50 | 12 | 67 | 7.5 | 30.0 | 0.02 | 0.03 |
| 2.9 | WB DRIVING LANE | 50 | 12 | 67 | 7.5 | 30.0 | 0.02 | 0.03 |
| 3.8 TO 3.9 | CENTERLINE | 528 | 2 | 117 | 13.1 | 52.8 | 0.04 | 0.06 |
| 4.7 TO 4.8 | CENTERLINE | 528 | 2 | 117 | 13.1 | 52.8 | 0.04 | 0.06 |
| 5.4 TO 5.5 | CENTERLINE | 528 | 2 | 117 | 13.1 | 52.8 | 0.04 | 0.06 |
| 5.6 TO 5.7 | EB EOP | 528 | 2 | 117 | 13.1 | 52.8 | 0.04 | 0.06 |
| 5.9 TO 6.0 | CENTERLINE | 528 | 2 | 117 | 13.1 | 52.8 | 0.04 | 0.06 |
| 6.4 TO 6.5 | EB EOP | 528 | 2 | 117 | 13.1 | 52.8 | 0.04 | 0.06 |
| 6.9 | EB DRIVING LANE | 50 | 12 | 67 | 7.5 | 30.0 | 0.02 | 0.03 |
| 7.0 | WB DRIVING LANE | 50 | 12 | 67 | 7.5 | 30.0 | 0.02 | 0.03 |
| 7.1 TO 7.2 | WB EOP | 528 | 2 | 117 | 13.1 | 52.8 | 0.04 | 0.06 |
| 7.3 TO 7.4 | EB DRIVING LANE | 528 | 12 | 704 | 78.8 | 316.8 | 0.21 | 0.35 |
| 7.3 TO 7.4 | WB DRIVING LANE | 528 | 12 | 704 | 78.8 | 316.8 | 0.21 | 0.35 |
| SUBTOTAL 2 | | | | 10375 | 1161.8 | 4669.4 | 3.15 | 5.19 |
| TOTAL | | | | 52615 | 5892.7 | 23677.4 | 15.82 | 26.31 |

NOTE: NO CONSTRUCTION ACTIVITIES SHALL TAKE PLACE WITHIN 50 FEET OF ANY RAILROAD TRACKS

| PAVEMENT MARKING | | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|-------|--------|-------|--------------------------------|-------|--------|--------|---------|---------------------------------|-------------------------|-----------------------------|----------------------------|-----------|
| LOCATION | PAINT PAVEMENT MARKING LINE | | | | MODIFIED URETHANE MARKING LINE | | | | | RAISED REFL PVMT MARKER REMOVAL | RAISED REFL PVMT MARKER | SHORT TERM PAVEMENT MARKING | WORK ZONE PAVEMENT REMOVAL | |
| | 4 INCH | | 6 INCH | | 4 INCH | | 6 INCH | | 24 INCH | | | | | LETTERS |
| | YELLOW | WHITE | YELLOW | WHITE | YELLOW | WHITE | WHITE | YELLOW | WHITE | | | | | & SYMBOLS |
| STA | FOOT | FOOT | FOOT | FOOT | FOOT | FOOT | FOOT | FOOT | SQ FT | EACH | EACH | FOOT | SQ FT | |
| LOCATION 1 (US 45/52 WILL CO. LINE) | | 63360 | | 7920 | | | | | | | 198 | | 1584 | 528 |
| LOCATION 2 (IL 114) | | | | | 4802 | 10332 | | 2319 | 96 | 234.9 | 83 | | 450 | 150 |
| | 0 | 63360 | 7920 | 4802 | 10332 | 0 | 2319 | 96 | 234.9 | 281 | 198 | 2034 | 678 | |
| TOTALS | 63360 | 7920 | 15134 | 2319 | 96 | 234.9 | 281 | 198 | 2034 | 678 | | | | |

NOTE: ADDITIONAL QUANTITY HAS BEEN INCLUDED TO ALLOW FOR TWO SEPARATE APPLICATIONS OF PAINT PAVEMENT MARKING LINE

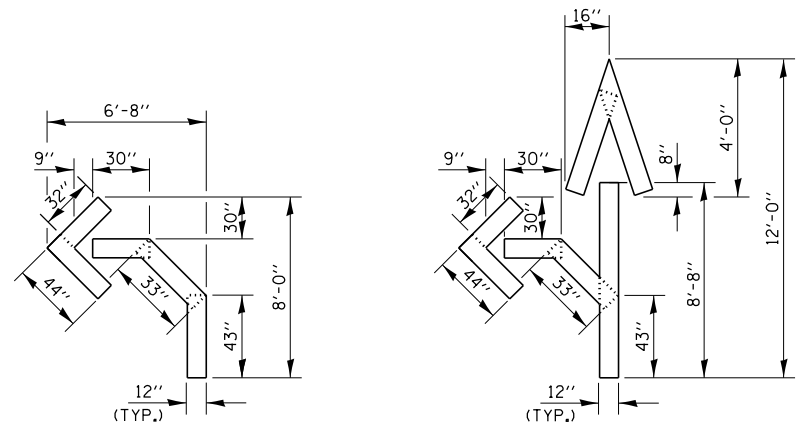
| SIDEWALK SCHEDULE | | | | | |
|---------------------|------------------|-----------------|--------------|------------------------------|---------------------|
| LOCATION | SIDEWALK REMOVAL | PCC SIDEWALK 4" | COMB C&G REM | COMBINATION CC&G TYPE B-6.24 | DETECTABLE WARNINGS |
| STREET | SQ FT | SQ FT | FT | FT | SQ FT |
| LOCATION 2 (IL 114) | 400 | 400 | 64 | 64 | 80 |
| TOTALS | 400 | 400 | 64 | 64 | 80 |



**LOCATION 1 - US 4552
 WILL COUNTY TO MANTENO RD**

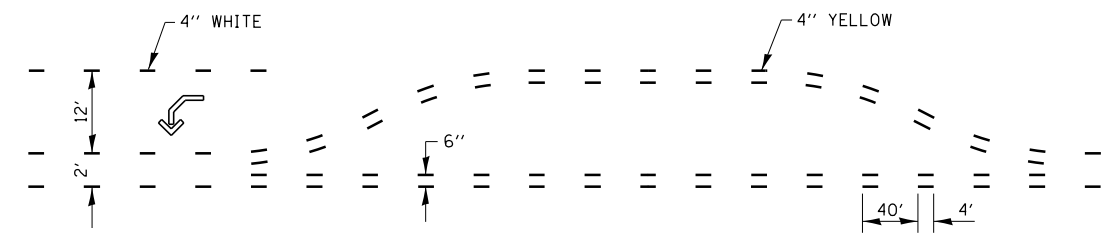
• INTERMITTENT SPRING ROAD REPAIR 2014-6

| | | | | | | | | | | | |
|---|------------------------------|------------|-----------|--|---|--------------------|-----------------|---------------------------|-----------------|--------------|--|
| FILE NAME = | USER NAME = carpenterdj | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PROJECT LAYOUT LOCATION 1 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| ci:\pw\work\p\idot\carpenterdj\d0387881\03xxxxx-sht-details.dgn | | DRAWN - | REVISED - | | | VAR | • | KANKAKEE | 10 | 7 | |
| \$MODELNAME\$ | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - | | | CONTRACT NO. 66D91 | | ILLINOIS FED. AID PROJECT | | | |
| | PLOT DATE = 6/25/2014 | DATE - | REVISED - | | | SCALE: | SHEET OF SHEETS | STA. TO STA. | | | |

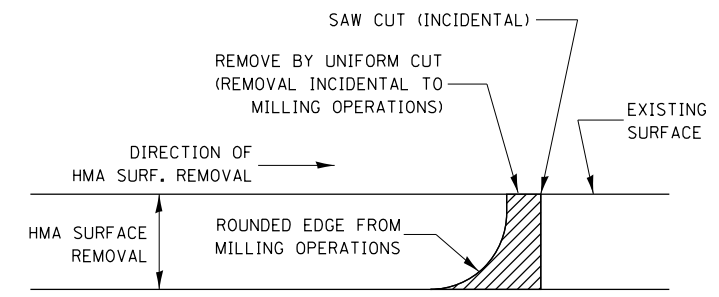


QUANTITY
12" LINE = 16 LIN. FT.
OR 4" LINE = 48 LIN. FT.

QUANTITY
12" LINE = 29 LIN. FT.
OR 4" LINE = 87 LIN. FT.

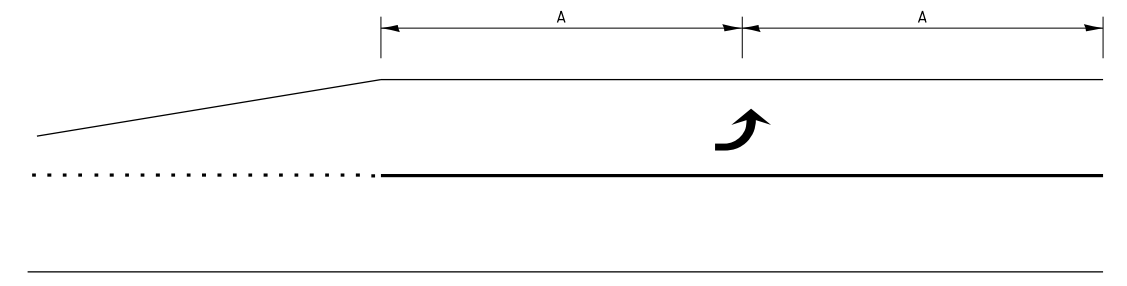


SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS

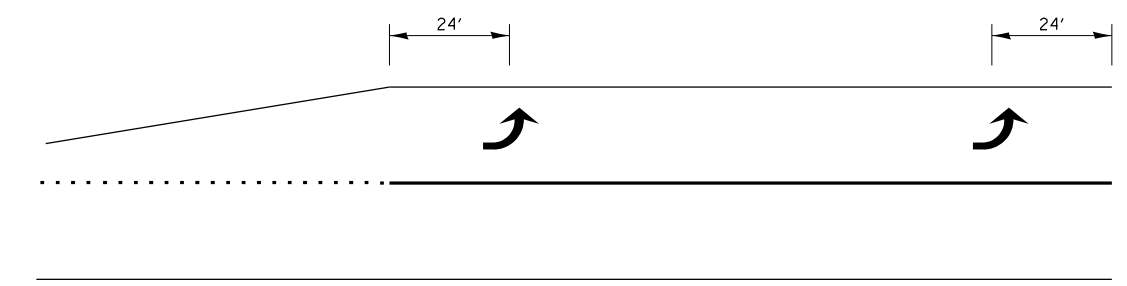


NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

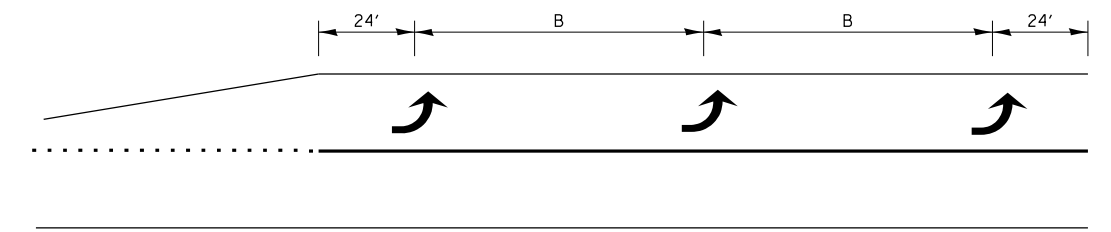
HMA DETAIL AT BUTT JOINTS



99' AND UNDER



100' TO 149'



150' AND LONGER

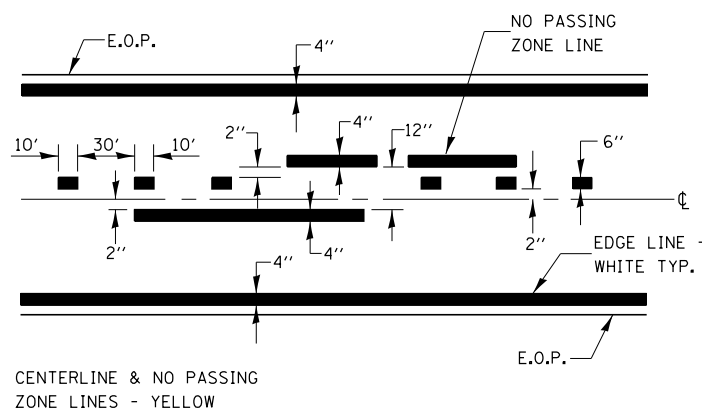
TYPICAL PLACEMENT OF ARROWS IN TURN LANES

| | | | |
|--|-------------------------------|------------|-----------|
| FILE NAME = | USER NAME = carpenterdj | DESIGNED - | REVISED - |
| ei:\pw\work\p\idot\carpenterdj\d0387881\03xxxx-sht-details.dgn | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - |
| | PLOT DATE = 6/25/2014 | DATE - | REVISED - |

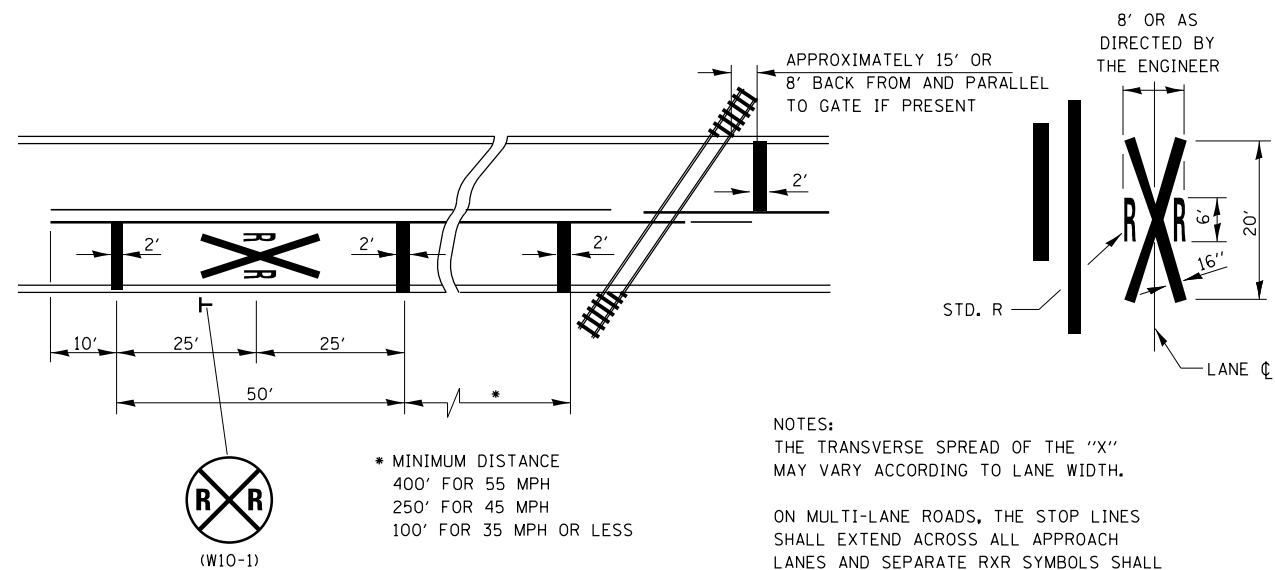
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

| | | | | |
|---------------------------|---------|----------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR | . | KANKAKEE | 10 | 9 |
| CONTRACT NO. 66D91 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



PAVEMENT MARKING



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES:
THE TRANSVERSE 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).

• INTERMITTENT SPRING ROAD REPAIR 2014-6

| | | | |
|--|------------------------------|------------|-----------|
| FILE NAME = | USER NAME = carpenterdj | DESIGNED - | REVISED - |
| ei:\pw\work\p\midot\carpenterdj\d0387881\03xxxxx-sht-details.dgn | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 6/25/2014 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| VAR | • | KANKAKEE | 10 | 10 |
| CONTRACT NO. 66D91 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |