

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

| F.A.I. RTE. | SECTION           | COUNTY   | TOTAL SHEETS       | SHEET NO. |
|-------------|-------------------|----------|--------------------|-----------|
| 55          | 2019-095-RS-SW&SR | WILL     | 15                 | 1         |
|             |                   | ILLINOIS | CONTRACT NO. 62J91 |           |

FOR INDEX OF SHEETS, SEE SHEET NO. 2

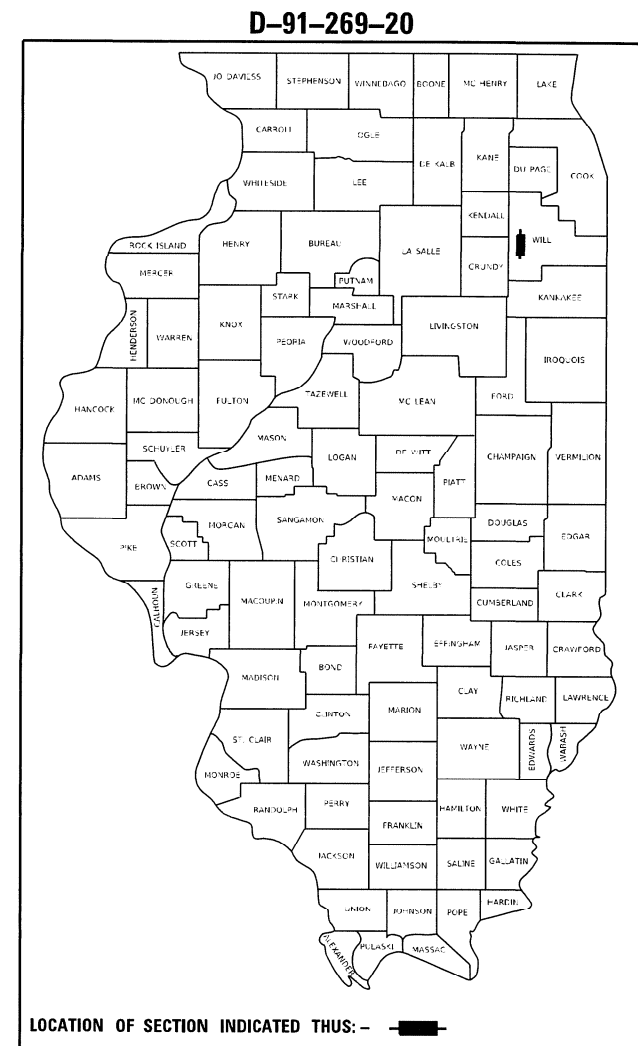
PROJECT IS LOCATED IN THE VILLAGE OF CHANNAHON

TRAFFIC DATA:  
ADT: N/A  
POSTED SPEED LIMIT: 45 MPH

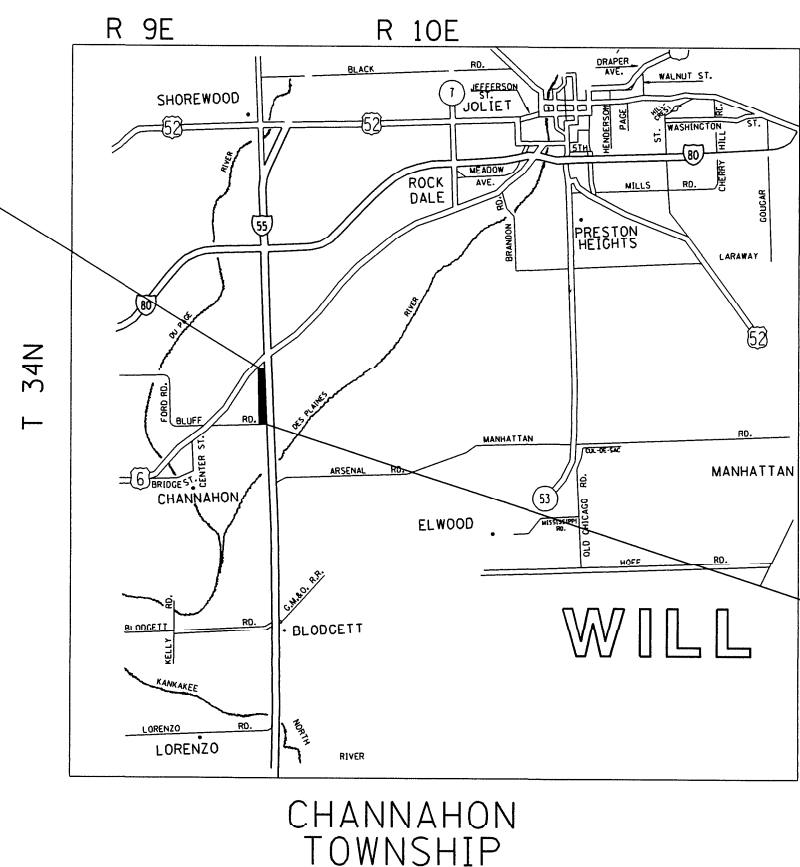
PROPOSED  
HIGHWAY PLANS

FAI ROUTE 55 (WEST FRONTAGE RD.)  
BLUFF ROAD TO FRONTAGE ROAD WEST.  
SECTION: 2019-095-RS-SW&SR  
PROJECT: STP-JU4C (200)  
STANDARD OVERLAY  
WILL COUNTY

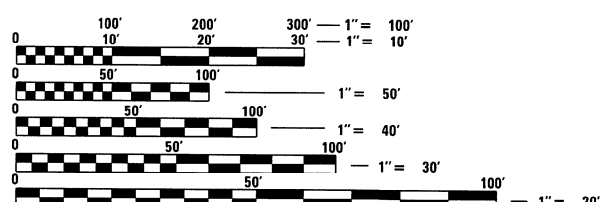
C-91-050-20



PROJECT ENDS:  
STA 80+93.7



BEGIN PROJECT:  
STA. 11+20.0



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: DANIEL WILGREEN (847)-705-4240  
PROJECT MANAGER: FAWAD AQUEEL (847)-705-4247

GROSS LENGTH = 6974 FT. = 1.32 MILE  
NET LENGTH = 6974 FT. = 1.32 MILE

CONTRACT NO. 62J91

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 13, 2020  
Anthony J. DeWright REGIONAL ENGINEER  
May 8, 2020  
Scott A. Elk ENGINEER OF DESIGN AND ENVIRONMENT  
May 8, 2020  
James J. [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

| SHEET NO. | DESCRIPTION   |
|-----------|---|
| 1         | COVER SHEET   |
| 2         | INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES                          |
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| 5         | TYPICAL SECTIONS  |
| 6-8       | PLAN AND PROFILE SHEETS   |
| 9         | PAVEMENT PATCHING FOR HMA SURFACE PAVEMENT (BD-22)                                  |
| 10        | BUTT JOINT AND HMA TAPER DETAILS (BD-32)  |
| 11        | TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10) |
| 12        | TYPICAL APPLICATIONS RAISED REFLECTIVE MARKERS (SNOW PLOW RESISTANT) (TC-11)        |
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| 14        | TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)     |
| 15        | ARTERIAL ROAD INFORMATION SIGN (TC-22)  |

**STATE STANDARDS**

| STANDARD NO. | DESCRIPTION  |
|--------------|--|
| 000001-07    | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS                               |
| 442201-03    | CLASS C & D PATCHES  |
| 630001-12    | STEEL PLATE BEAM GUARDRAIL   |
| 701006-05    | OFF ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE                 |
| 701011-04    | OFF ROAD OPERATIONS, 2L, 2W, DAY ONLY                                      |
| 701301-04    | LANE CLOSURE, 2L, 2W, SHORT-TIME OPERATIONS                                |
| 701306-04    | LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEED >= 45 MPH |
| 701311-03    | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY                         |
| 701336-07    | LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS >= 45 MPH           |
| 701501-06    | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED                                      |
| 701901-08    | TRAFFIC CONTROL DEVICES  |
| 780001-05    | TYPICAL PAVEMENT MARKINGS  |
| 781001-04    | TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS                     |

**GENERAL NOTES**

| NOTE NO. | DESCRIPTION   |
|----------|---|
| 1        | BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION AT 8-1-1 OR (800) 892-0123 FOR FIELD LOCATION OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).  |
| 2        | THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES ALL MUNICIPALITIES WITHIN THE PROJECT LIMITS   |
| 3        | IN VARIOUS LOCATIONS THROUGHOUT THE PROJECT, EXISTING ASPHALT OVERLAYS THE EXISTING CONCRETE GUTTER FLAG. REMOVAL OF ASPHALT ON THE CUTTER FLAG SHALL BE INCLUDED IN THE UNIT COST OF HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2 INCH.  |
| 4        | THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.   |
| 5        | SAW CUTTING OF PAVEMENTS, SIDEWALK, CURB & GUTTER, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED   |
| 6        | DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS  |
| 7        | THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.   |
| 8        | WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL, BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1.5 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRAD DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF MILLING IS SLOPED A MINIMUM OF 1:3 (V:H) |
| 9        | UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.                              |
| 10       | BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE REESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKING SHALL BE AS DIRECTED BY THE ENGINEER.                            |
| 11       | PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.   |
| 12       | THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV. A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK   |
| 13       | THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, ERIC CAMPOS AT ERIC.CAMPOS@ILLINOIS.GOV AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.  |
| 14       | BUTT JOINTS WILL BE INSTALLED AT THE END OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE THE "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED   |
| 15       | MATCH EXISTING PAVEMENT AT THE PROJECT LIMITS.  |
| 16       | ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.  |
| 17       | THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY                    |

**GENERAL NOTES (CONTINUED)**

| NOTE NO. | DESCRIPTION  |
|----------|--|
| 18       | THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.  |
| 19       | THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.   |
| 20       | ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT. |
| 21       | EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.  |
| 22       | THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL"  |
| 23       | ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER  |
| 24       | IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS  |
| 25       | ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT DISTRICT ONE DETAIL TC-13   |
| 26       | ALL RAISED REFLECTIVE MAKERS SHALL BE INSTALLED ACCORDING TO IDOT DISTRICT ONE DETAIL TC-11  |
| 27       | ALL NO PASSING ZONE PAVEMENT MARKING MUST BE ALIGNED WITH THE EXISTING POSTED NO PASSING ZONE PENNANT SIGNS  |

| SUMMARY OF QUANTITIES |   |        | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE           |  |  |  |  |
|-----------------------|---|--------|------------------------|----------------------------------|--|--|--|--|
| CODE NO               | ITEM  | UNIT   |                        | 80% FEDERAL<br>20% STATE<br>0005 |  |  |  |  |
| 20101350              | TREE PRUNING (OVER 10 INCH DIAMETER)                    | EACH   | 11                     | 11                               |  |  |  |  |
| 40600290              | BITUMINOUS MATERIALS (TACK COAT)                        | POUND  | 15168                  | 15168                            |  |  |  |  |
| 40600400              | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS              | TON    | 34                     | 34                               |  |  |  |  |
| 40600982              | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT            | SO YD  | 72                     | 72                               |  |  |  |  |
| 40603200              | POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 | TON    | 927                    | 927                              |  |  |  |  |
| 40604062              | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70    | TON    | 1888                   | 1888                             |  |  |  |  |
| 44000158              | HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"                 | SO YD  | 22471                  | 22471                            |  |  |  |  |
| 44201765              | CLASS D PATCHES, TYPE II, 10 INCH                       | SO YD  | 200                    | 200                              |  |  |  |  |
| 44201769              | CLASS D PATCHES, TYPE III, 10 INCH                      | SO YD  | 150                    | 150                              |  |  |  |  |
| 63100167              | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT      | EACH   | 3                      | 3                                |  |  |  |  |
| 63200310              | GUARDRAIL REMOVAL                                       | FOOT   | 150                    | 150                              |  |  |  |  |
| 67000400              | ENGINEER'S FIELD OFFICE, TYPE A                         | CAL MO | 6                      | 6                                |  |  |  |  |

| SUMMARY OF QUANTITIES |   |       | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE           |  |  |  |  |
|-----------------------|---|-------|------------------------|----------------------------------|--|--|--|--|
| CODE NO               | ITEM  | UNIT  |                        | 80% FEDERAL<br>20% STATE<br>0005 |  |  |  |  |
| 67100100              | MOBILIZATION                                    | L SUM | 1                      | 1                                |  |  |  |  |
| 70100460              | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 | L SUM | 1                      | 1                                |  |  |  |  |
| 70100600              | TRAFFIC CONTROL AND PROTECTION, STANDARD 701336 | L SUM | 1                      | 1                                |  |  |  |  |
| 70102620              | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | L SUM | 1                      | 1                                |  |  |  |  |
| 70300100              | SHORT TERM PAVEMENT MARKING                     | FOOT  | 8549                   | 8549                             |  |  |  |  |
| 70300150              | SHORT TERM PAVEMENT MARKING REMOVAL             | SO FT | 2847                   | 2847                             |  |  |  |  |
| 70300220              | TEMPORARY PAVEMENT MARKING - LINE 4"            | FOOT  | 19854                  | 19854                            |  |  |  |  |
| 70300520              | PAVEMENT MARKING TAPE, TYPE III 4"              | FOOT  | 2138                   | 2138                             |  |  |  |  |
| * 78000200            | THERMOPLASTIC PAVEMENT MARKING - LINE 4"        | FOOT  | 19854                  | 19854                            |  |  |  |  |
| * 78100100            | RAISED REFLECTIVE PAVEMENT MARKER               | EACH  | 147                    | 147                              |  |  |  |  |
| 78300200              | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL       | EACH  | 140                    | 140                              |  |  |  |  |
| X2010350              | TREE REMOVAL, ACRES (SPECIAL)                   | ACRE  | 0.75                   | 0.75                             |  |  |  |  |
| X7030005              | TEMPORARY PAVEMENT MARKING REMOVAL              | SO FT | 6612                   | 6612                             |  |  |  |  |
| * - SPECIALITY ITEMS  |   |       |                        |                                  |  |  |  |  |

|   |  |            |           |
|---|--|------------|-----------|
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|   | PLOT SCALE = 100.0000' / 1"                                | CHECKED -  | REVISED - |
|   | PLOT DATE = 3/27/2020                                      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

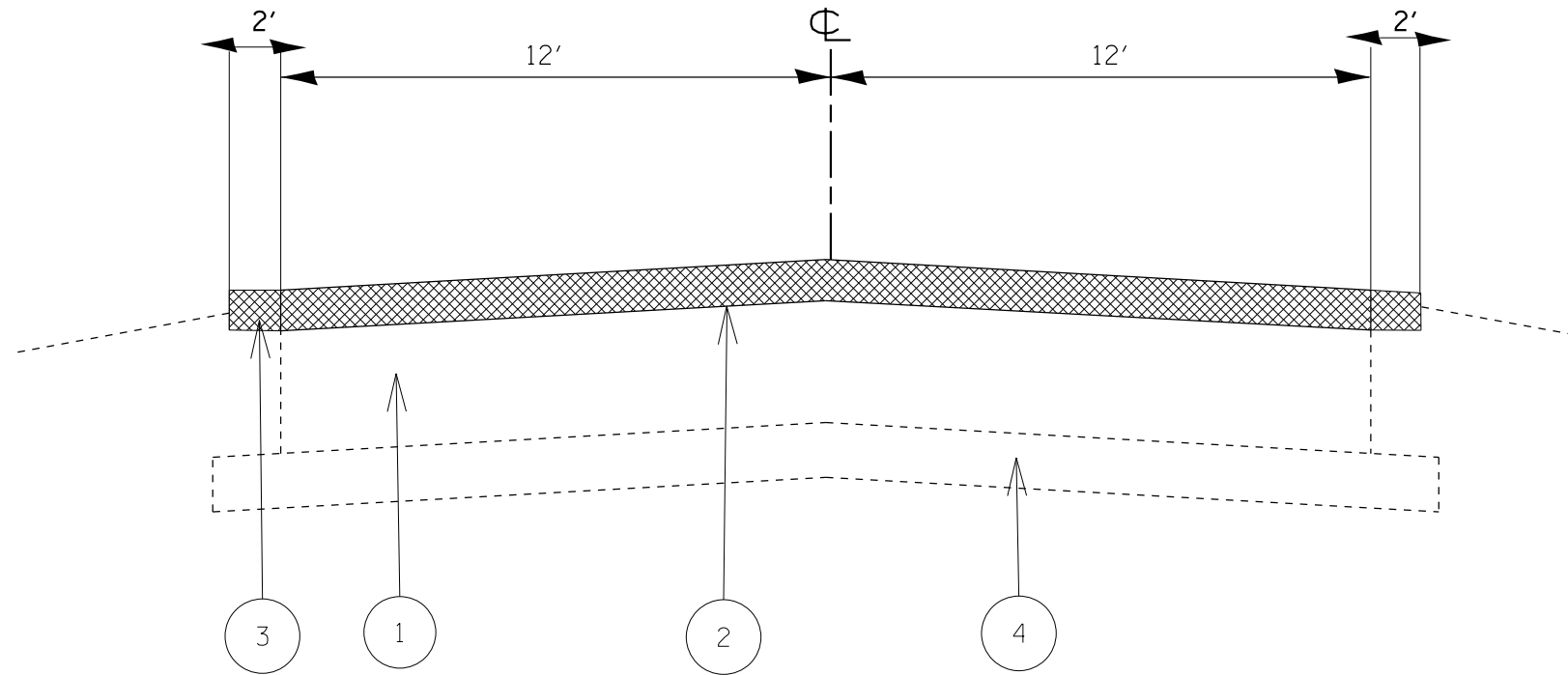
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| <b>SUMMARY OF QUANTITIES</b> |           |           |              |
| SCALE:                       | SHEET NO. | OF SHEETS | STA. TO STA. |

|   |                   |        |                    |           |
|---|-------------------|--------|--------------------|-----------|
| F.A.I<br>RTE.                                   | SECTION           | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 55  | 2019-095-RS-SW&SR | WILL   | 15                 | 3         |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |                   |        | CONTRACT NO. 62J91 |           |

REV-SEP



WEST FRONTAGE ROAD



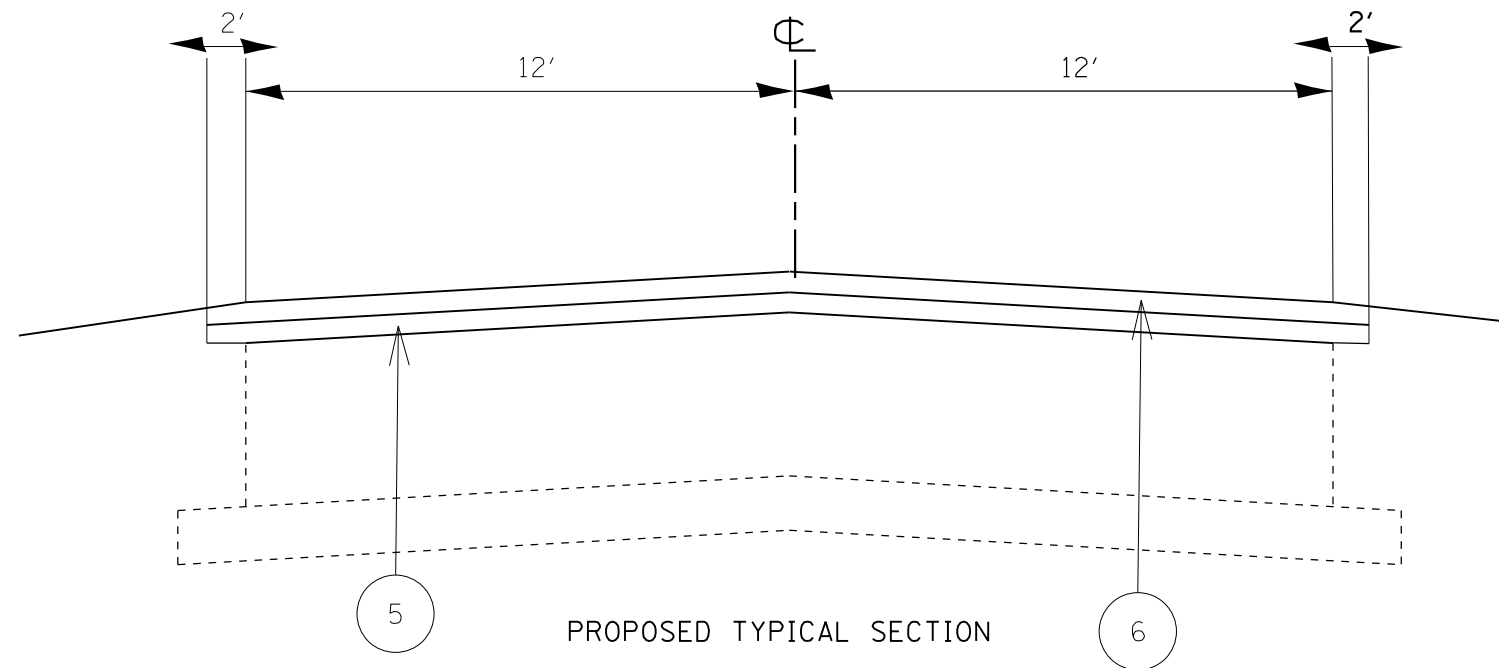
EXISTING TYPICAL SECTION  
STA. 11+20 TO STA. 80+93.7

LEGEND

-  REMOVAL ITEM
- ① EXISTING HMA PAVEMENT , 12'' ±
- ② HMA SURFACE REMOVAL 2 1/4''
- ③ EXISTING HMA SHOULDER
- ④ EXISTING AGGERGATE SUBBASE
- ⑤ PROP. POLY HMA BINDER COURSE, IL-4.75, N50, 3/4''
- ⑥ PROP. HMA SURFACE COURSE, MIX'D, N70, 1 1/2''

\* THE LONGITUDINAL SEALANT SHALL BE PLACED OVER THE POLY HMA BINDER COURSE IL-4.75, N50

WEST FRONTAGE ROAD



PROPOSED TYPICAL SECTION  
STA. 11+20.0 TO STA. 80+93.7

| HOT-MIX ASPHALT MIXTURE REQUIREMENTS  |                                  | QUALITY MANAGEMENT PROGRAM (QMP) |
|---|----------------------------------|----------------------------------|
| MIXTURE TYPE  | AIR VOIDS(%) @ N <sub>DES.</sub> |                                  |
| <b>STANDARD OVERLAY</b>   |                                  |                                  |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2"  | 4% @ 70 GYR                      | QCP                              |
| POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"   | 3.5% @ 50 GYR                    | QC/QA                            |
| <b>PATCHING</b>   |                                  |                                  |
| CLASS D PATCHES (HMA BINDER IL-19 mm)   | 4% @ 70 GYR                      | QC/QA                            |
| QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE(QA/QC); QUALITY CONTROL FOR PERFORMANCE(QCP); PAY FOR PERFORMANCE(PFP) |                                  |                                  |

NOTE: CONTRACTOR SHALL MILL BEFORE PATCHING

THE UNIT WEIGHT USED TO CALCULATE ALL HMA BINDER MIXTURE QUANTITIES IS 110 LBS/SQ YD/IN.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

MODEL: Default  
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|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = alramahimm       | DESIGNED - | REVISED - |
| PLOT SCALE = 100.0000' / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2020        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS  
I-55 WEST FRONTAGE ROAD (FRONTAGE ROAD TO BLUFF ROAD)

SCALE: SHEET OF SHEETS STA. TO STA.

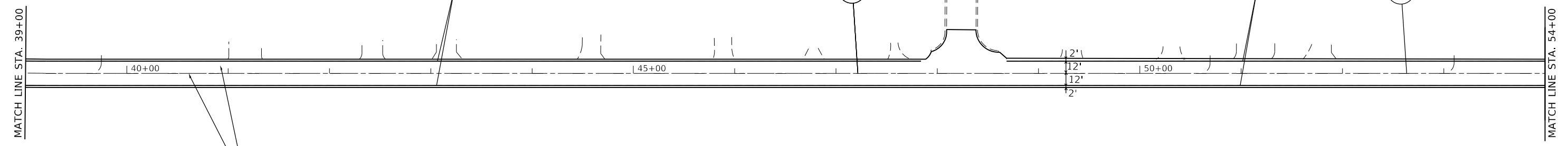
| F.A.J. RTE. | SECTION           | COUNTY   | TOTAL SHEETS       | SHEET NO. |
|-------------|-------------------|----------|--------------------|-----------|
| 55          | 2019-095-RS-SW&SR | WILL     | 15                 | 5         |
|             |                   |          | CONTRACT NO. 62J91 |           |
|             |                   | ILLINOIS | FED. AID PROJECT   |           |





SUMMIT RD.

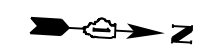
FRONTAGE RD.



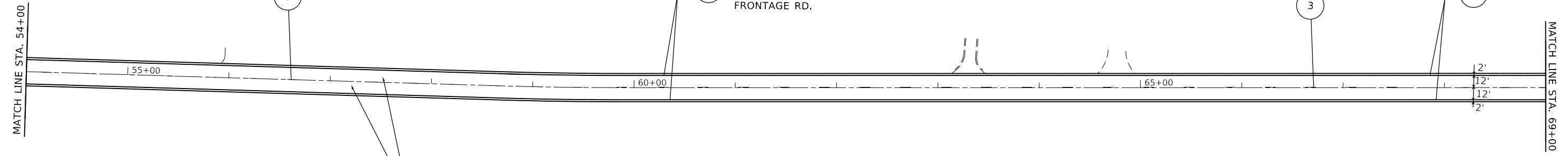
PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"  
 PROP. POLY. HMA BINDER COURSE, IL4.75 , N50, 3/4"  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"

PAVEMENT MARKING LEGEND

- ① PROP. THERMOPLASTIC PAVEMENT MARKING 4" WHITE SOLID EDGE LINE
- ② PROP. THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW AT 11" C-C
- ③ PROP. THERMOPLASTIC PAVEMENT MARKING 4" YELLOW SKIP DASH (10' LINE , 30' SPACE) (TYP.)
- ④ PROP. THERMOPLASTIC PAVEMENT MARKING 4" YELLOW SOLID AND SKIP DASH (10' LINE , 30' SPACE) (TYP.)



FRONTAGE RD.



PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"  
 PROP. POLY. HMA BINDER COURSE, IL4.75 , N50, 3/4"  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"

**NOTES:**

- 1- TREE PRUNNING (OVER 10" DIAMETER) SHALL BE PERFORMED AT STA 59+00
- 2- TREE REMOVAL, ACRES (SPECIAL) SHALL BE PERFORMED AT STA 40+00 AND STA 53+40
- 3- SELECTIVE CLEARING SHALL BE PERFORMED AT STA 50+00

MODEL: Default  
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|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = alramahimm       | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/27/2020        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

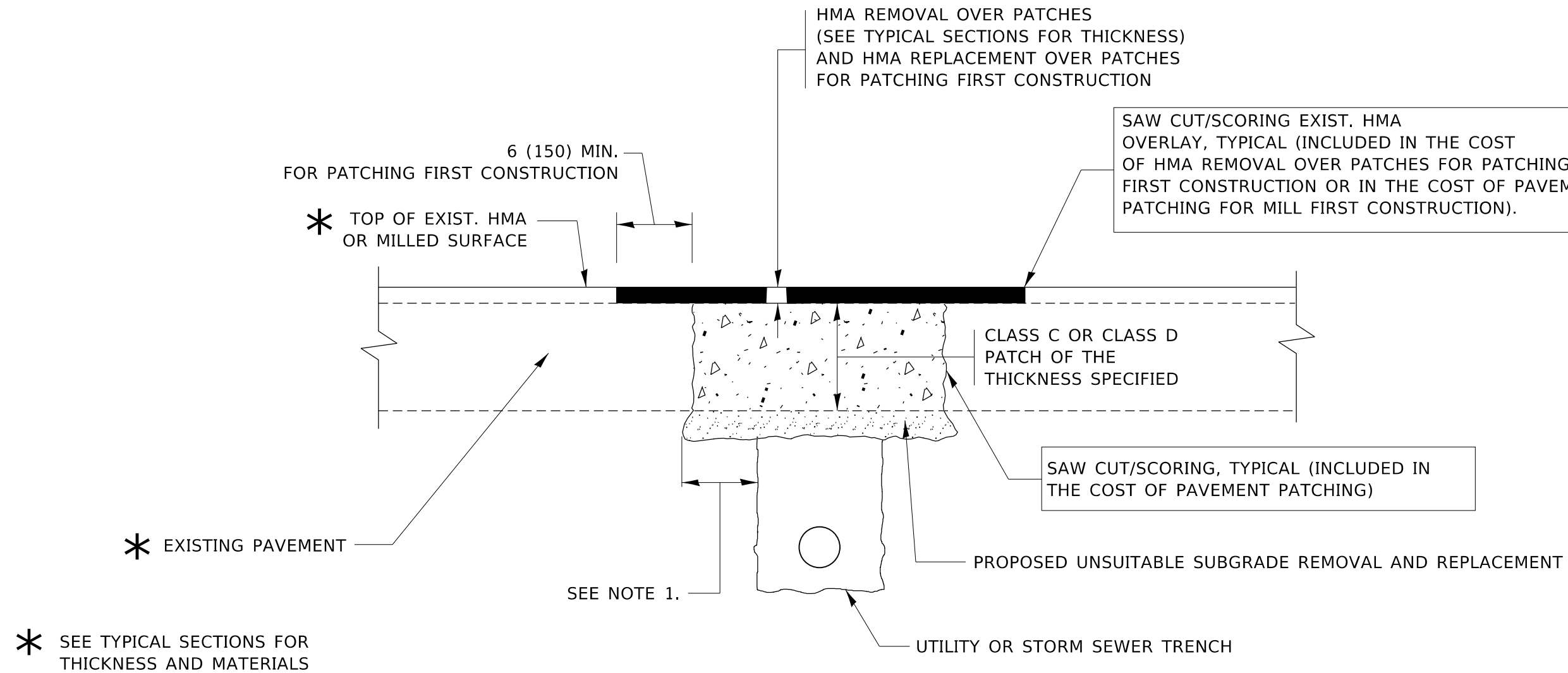
**ROADWAY PLAN**  
**I-55 W. FRONTAGE RD. (BLUFF RD. - FRONTAGE ROAD W.)**

SCALE: 1"=50'      SHEET      OF      SHEETS      STA.      TO      STA.

| F.A.J. RTE.               | SECTION           | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------------|--------|--------------|-----------|
| 55                        | 2019-095-RS-SW&SR | WILL   | 15           | 7         |
| CONTRACT NO. 62J91        |                   |        |              |           |
| ILLINOIS FED. AID PROJECT |                   |        |              |           |







**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

MODEL: Default  
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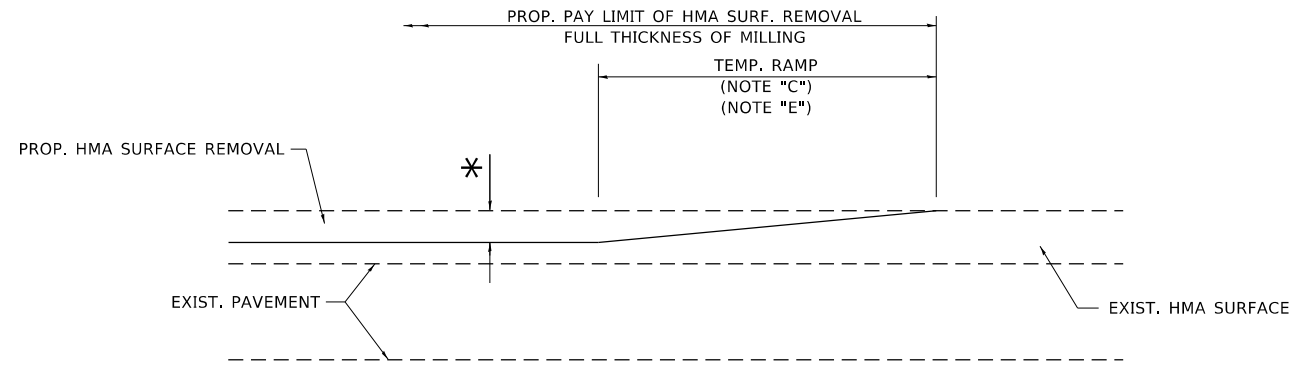
|                              |                    |                             |
|------------------------------|--------------------|-----------------------------|
| USER NAME = alramahimm       | DESIGNED - R. SHAH | REVISED - A. ABBAS 04-27-98 |
|                              | DRAWN -            | REVISED - R. BORO 01-01-07  |
| PLOT SCALE = 100.0000' / in. | CHECKED -          | REVISED - R. BORO 09-04-07  |
| PLOT DATE = 3/27/2020        | DATE - 10-25-94    | REVISED - K. ENG 10-27-08   |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

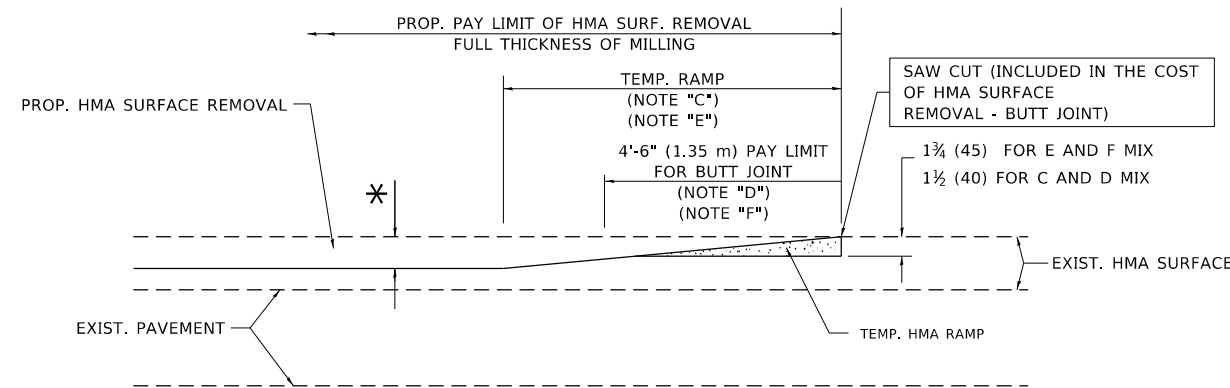
| F.A.J. RTE.               | SECTION           | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|-------------------|--------|--------------------|-----------|
| 55                        | 2019-095-R5-SW&SR | WILL   | 15                 | 9         |
| <b>BD400-04 (BD-22)</b>   |                   |        | CONTRACT NO. 62J91 |           |
| ILLINOIS FED. AID PROJECT |                   |        |                    |           |



**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

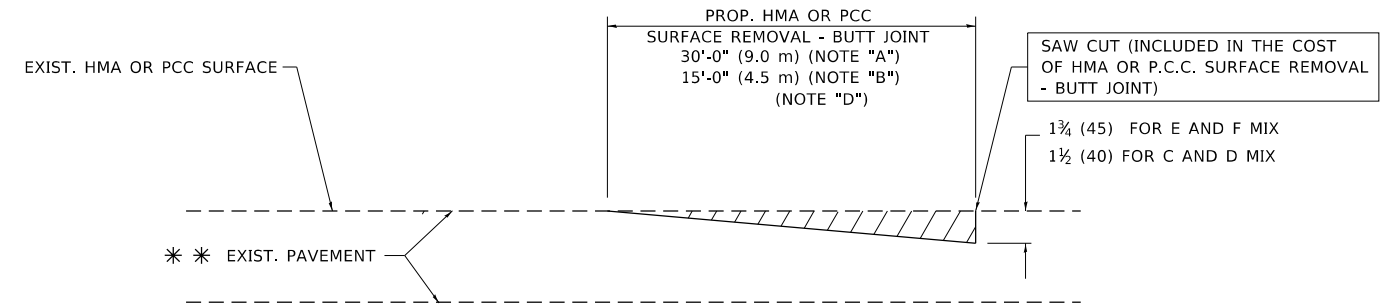


**HMA CONSTRUCTED TEMPORARY RAMP**

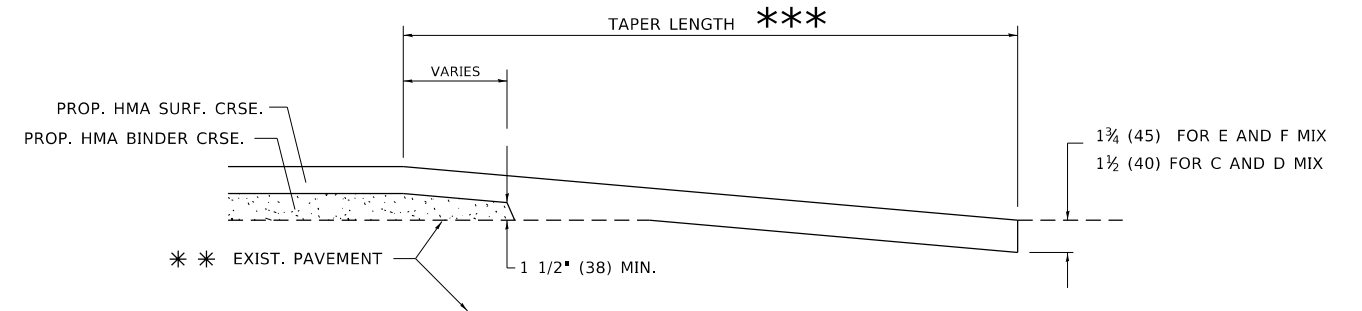
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

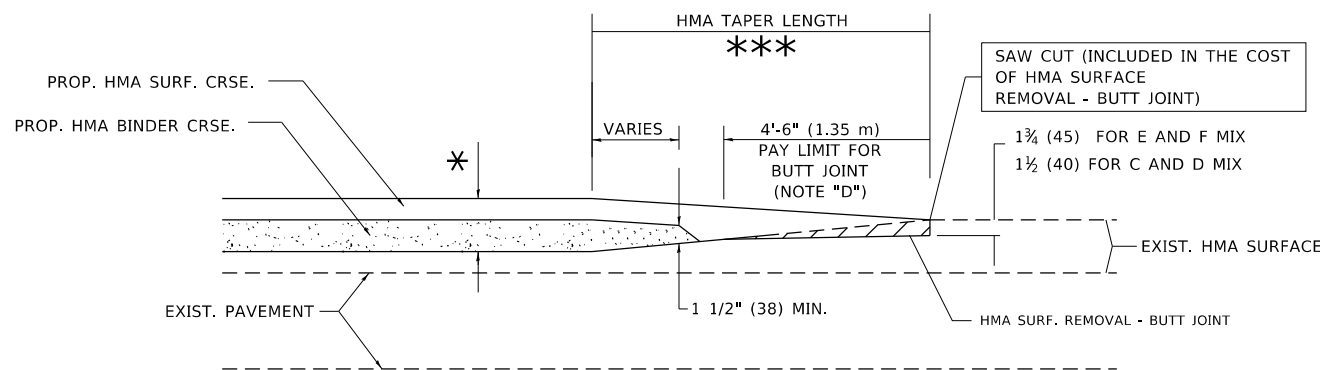
**NOTES**

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



**BUTT JOINT AND HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

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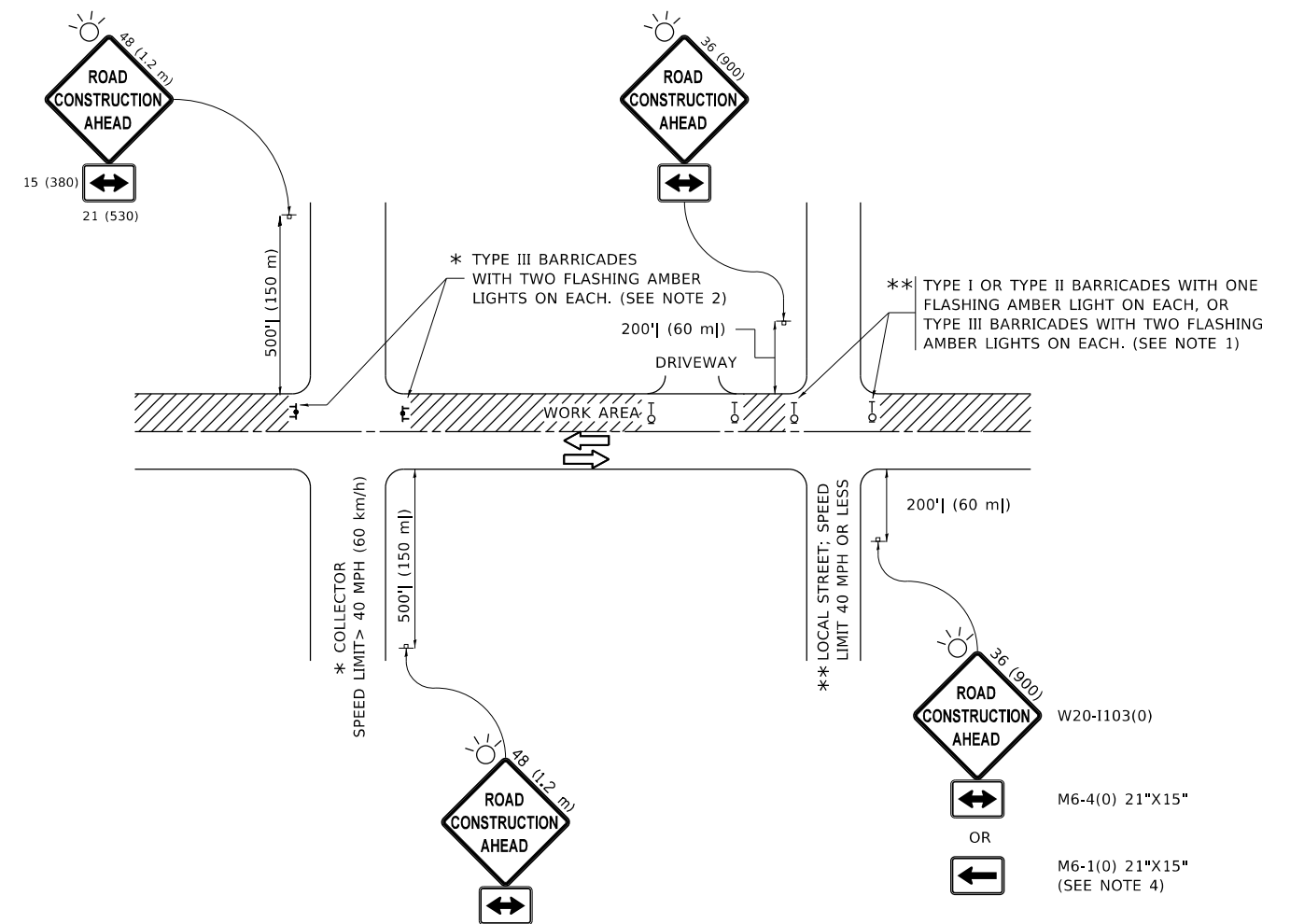
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|------------------------------|-----------------------|-----------------------------|
| USER NAME = alramahimm       | DESIGNED - M. DE YONG | REVISED - R. SHAH 10-25-94  |
|                              | DRAWN -               | REVISED - A. ABBAS 03-21-97 |
| PLOT SCALE = 100.0000' / in. | CHECKED -             | REVISED - M. GOMEZ 04-06-01 |
| PLOT DATE = 3/27/2020        | DATE - 06-13-90       | REVISED - R.BORO 01-01-07   |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND  
HMA TAPER DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.I. RTE.               | SECTION           | COUNTY             | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------------|--------------------|--------------|-----------|
| 55                        | 2019-095-RS-SW&SR | WILL               | 15           | 10        |
| BD400-05 BD32             |                   | CONTRACT NO. 62J91 |              |           |
| ILLINOIS FED. AID PROJECT |                   |                    |              |           |



**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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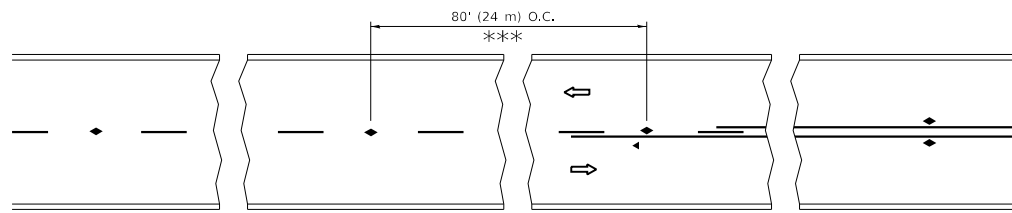
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|-------------------------------|-------------------|---------------------------------|
| USER NAME = alramahimm        | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96    |
|                               | DRAWN -           | REVISED - T. RAMMACHER 01-06-00 |
| PLOT SCALE = 100.0000 ' / in. | CHECKED -         | REVISED - A. SCHUETZE 07-01-13  |
| PLOT DATE = 3/27/2020         | DATE - 06-89      | REVISED - A. SCHUETZE 09-15-16  |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

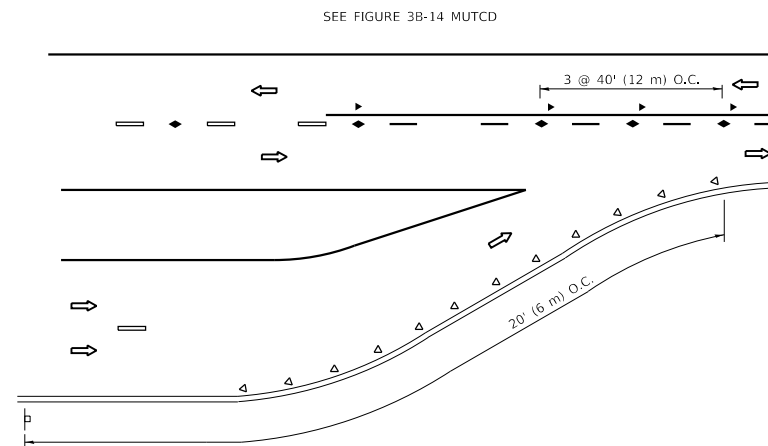
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.I. RTE.               | SECTION           | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|-------------------|--------|--------------------|-----------|
| 55                        | 2019-095-RS-SW&SR | WILL   | 15                 | 11        |
| <b>TC-10</b>              |                   |        | CONTRACT NO. 62J91 |           |
| ILLINOIS FED. AID PROJECT |                   |        |                    |           |

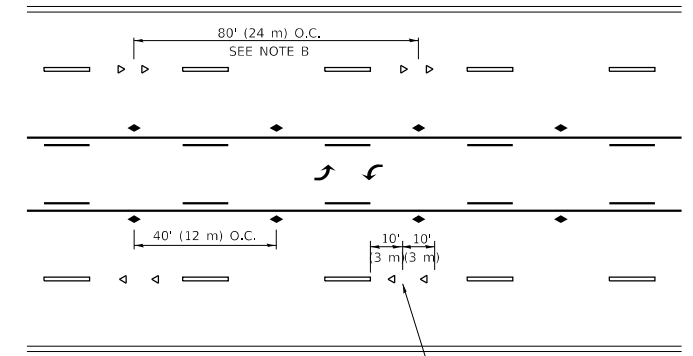


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

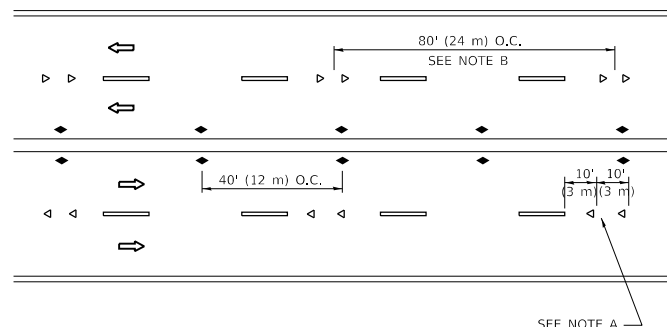
**TWO-LANE/TWO-WAY**



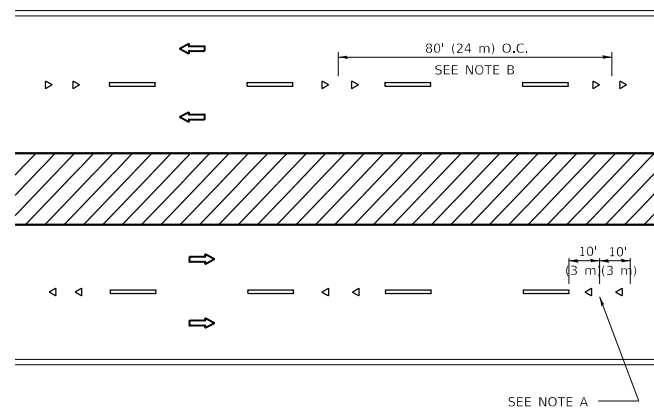
**LANE REDUCTION TRANSITION**



**TWO-WAY LEFT TURN**



**MULTI-LANE/UNDIVIDED**



**MULTI-LANE/DIVIDED**

**GENERAL NOTES**

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

**SYMBOLS**

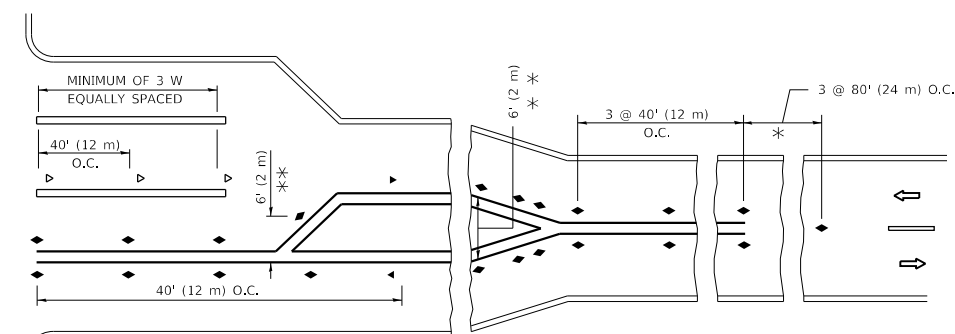
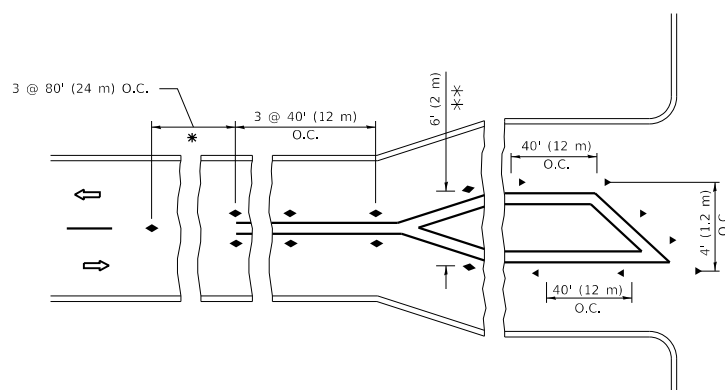
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**LANE MARKER NOTES**

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

**DESIGN NOTES**

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

**TURN LANES**

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

MODEL: Default  
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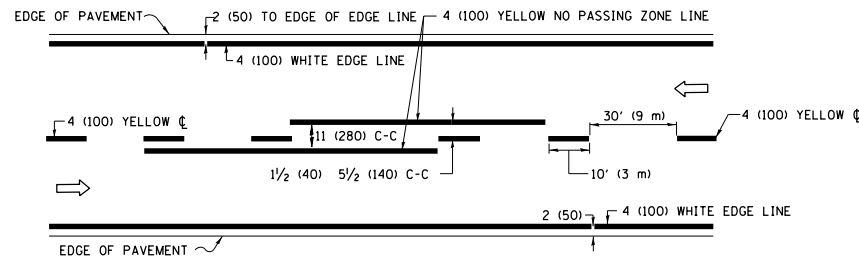
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|-------------------------------|------------|---------------------------------|
| USER NAME = alrahamim         | DESIGNED - | REVISED - T. RAMMACHER 03-12-99 |
|                               | DRAWN -    | REVISED - T. RAMMACHER 01-06-00 |
| PLOT SCALE = 100,0000 ' / in. | CHECKED -  | REVISED - C. JUCIUS 09-09-09    |
| PLOT DATE = 3/27/2020         | DATE -     | REVISED - C. JUCIUS 07-01-13    |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

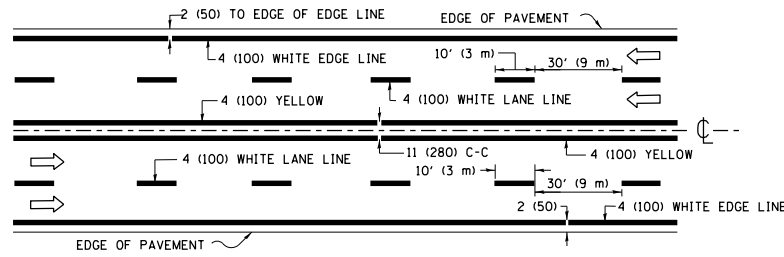
**TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

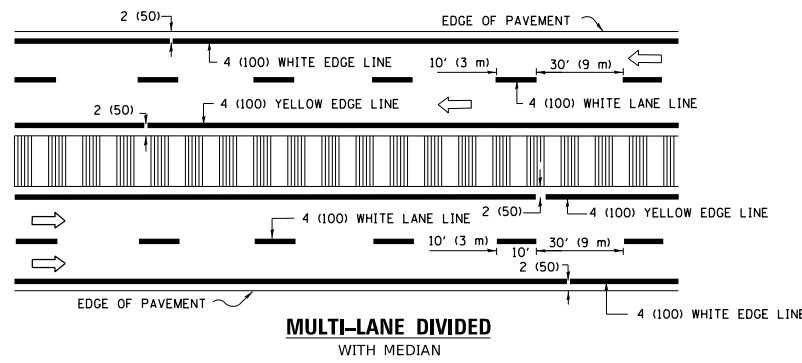
| F.A.I. RTE.               | SECTION           | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|-------------------|--------|--------------------|-----------|
| 55                        | 2019-095-RS-SW&SR | WILL   | 15                 | 12        |
| TC-11                     |                   |        | CONTRACT NO. 62J91 |           |
| ILLINOIS FED. AID PROJECT |                   |        |                    |           |



**2-LANE ROADWAY**

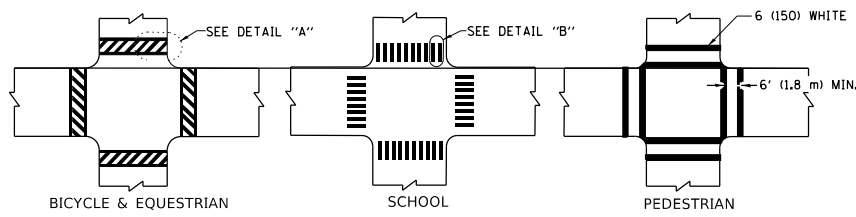


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

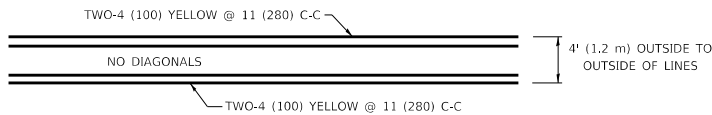


**DETAIL "A"**

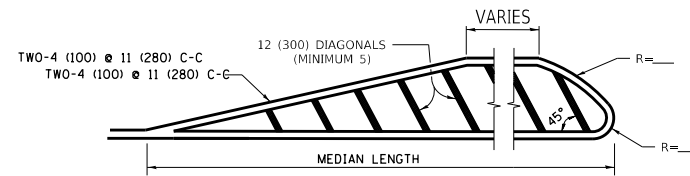
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

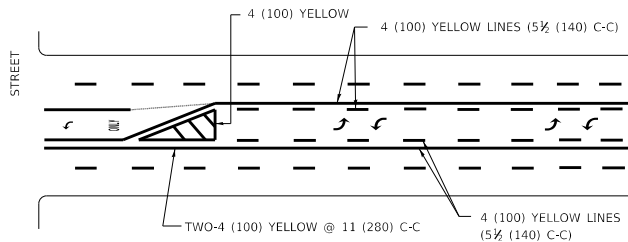


**4' (1.2 m) WIDE MEDIANS ONLY**

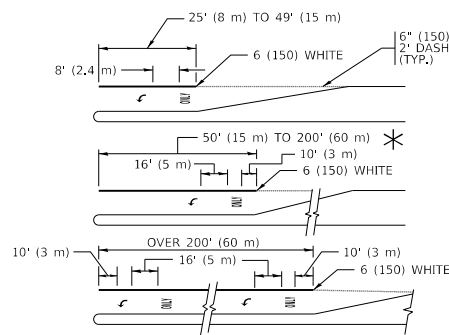


**MEDIANS OVER 4' (1.2 m) WIDE**

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



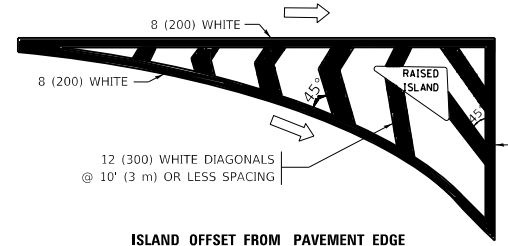
**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**



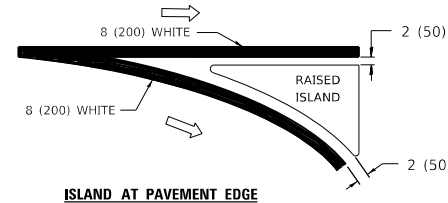
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

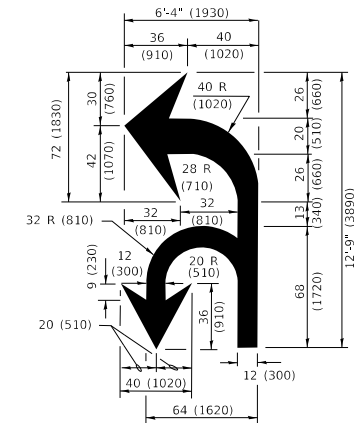


**ISLAND OFFSET FROM PAVEMENT EDGE**

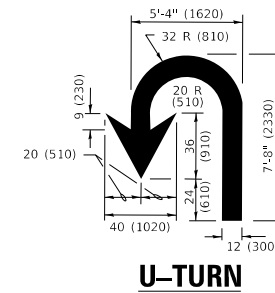


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**  
\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

| D(FT) | SPEED LIMIT |
|-------|-------------|
| 345   | 30          |
| 425   | 35          |
| 500   | 40          |
| 580   | 45          |
| 665   | 50          |
| 750   | 55          |

| TYPE OF MARKING   | WIDTH OF LINE  | PATTERN                      | COLOR   | SPACING / REMARKS  |
|---|--|------------------------------|---|--|
| CENTERLINE ON 2 LANE PAVEMENT   | 4 (100)  | SKIP-DASH                    | YELLOW  | 10' (3 m) LINE WITH 30' (9 m) SPACE  |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT   | 2 @ 4 (100)  | SOLID                        | YELLOW  | 11 (280) C-C   |
| NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS                                      | 4 (100)<br>2 @ 4 (100)   | SOLID<br>SOLID               | YELLOW<br>YELLOW  | 5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE<br>11 (280) C-C<br>OMIT SKIP-DASH CENTERLINE BETWEEN   |
| LANE LINES  | 4 (100)<br>5 (125) ON FREEWAYS   | SKIP-DASH<br>SKIP-DASH       | WHITE<br>WHITE  | 10' (3 m) LINE WITH 30' (9 m) SPACE  |
| DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)                                   | SAME AS LINE BEING EXTENDED  | SKIP-DASH                    | SAME AS LINE BEING EXTENDED                             | 2' (600) LINE WITH 6' (1.8 m) SPACE  |
| EDGE LINES  | 4 (100)  | SOLID                        | YELLOW-LEFT<br>WHITE-RIGHT                              | OUTLINE MEDIANS IN YELLOW  |
| TURN LANE MARKINGS  | 6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))                                      | SOLID                        | WHITE   | SEE TYPICAL TURN LANE MARKING DETAIL   |
| TWO WAY LEFT TURN MARKING   | 2 @ 4 (100) EACH DIRECTION<br>8' (2.4m) LEFT ARROW   | SKIP-DASH AND SOLID IN PAIRS | YELLOW<br>WHITE   | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE<br>SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL           |
| CROSSWALK LINES (PEDESTRIAN)<br>A. DIAGONALS (BIKE & EQUESTRIAN)<br>B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150)<br>12 (300) @ 45°<br>12 (300) @ 90°  | SOLID<br>SOLID<br>SOLID      | WHITE<br>WHITE<br>WHITE                                 | NOT LESS THAN 6' (1.8 m) APART<br>2' (600) APART<br>2' (600) APART<br>SEE TYPICAL CROSSWALK MARKING DETAILS.   |
| STOP LINES  | 24 (600)   | SOLID                        | WHITE   | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE |
| PAINTED MEDIANS   | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°<br>NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID                        | YELLOW:<br>TWO WAY TRAFFIC<br>WHITE:<br>ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE<br>SEE TYPICAL PAINTED MEDIAN MARKING.  |
| GORE MARKING AND CHANNELIZING LINES   | 8 (200) WITH 12 (300) DIAGONALS @ 45°  | SOLID                        | WHITE   | DIAGONALS:<br>15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h))<br>20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)<br>30' (9 m) C-C (OVER 45MPH (70 km/h))              |
| RAILROAD CROSSING   | 24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"               | SOLID                        | WHITE   | SEE STATE STANDARD 780001<br>AREA OF:<br>"R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH<br>"X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )                                     |
| SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')  | 12 (300) @ 45°   | SOLID                        | WHITE - RIGHT<br>YELLOW - LEFT                          | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))<br>75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h))<br>150' (45 m) C-C (OVER 45MPH (70 km/h))                       |
| U TURN ARROW  | SEE DETAIL   | SOLID                        | WHITE   | 16.3 SF  |
| 2 ARROW COMBINATION LEFT AND U TURN   | SEE DETAIL   | SOLID                        | WHITE   | 30.4 SF  |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

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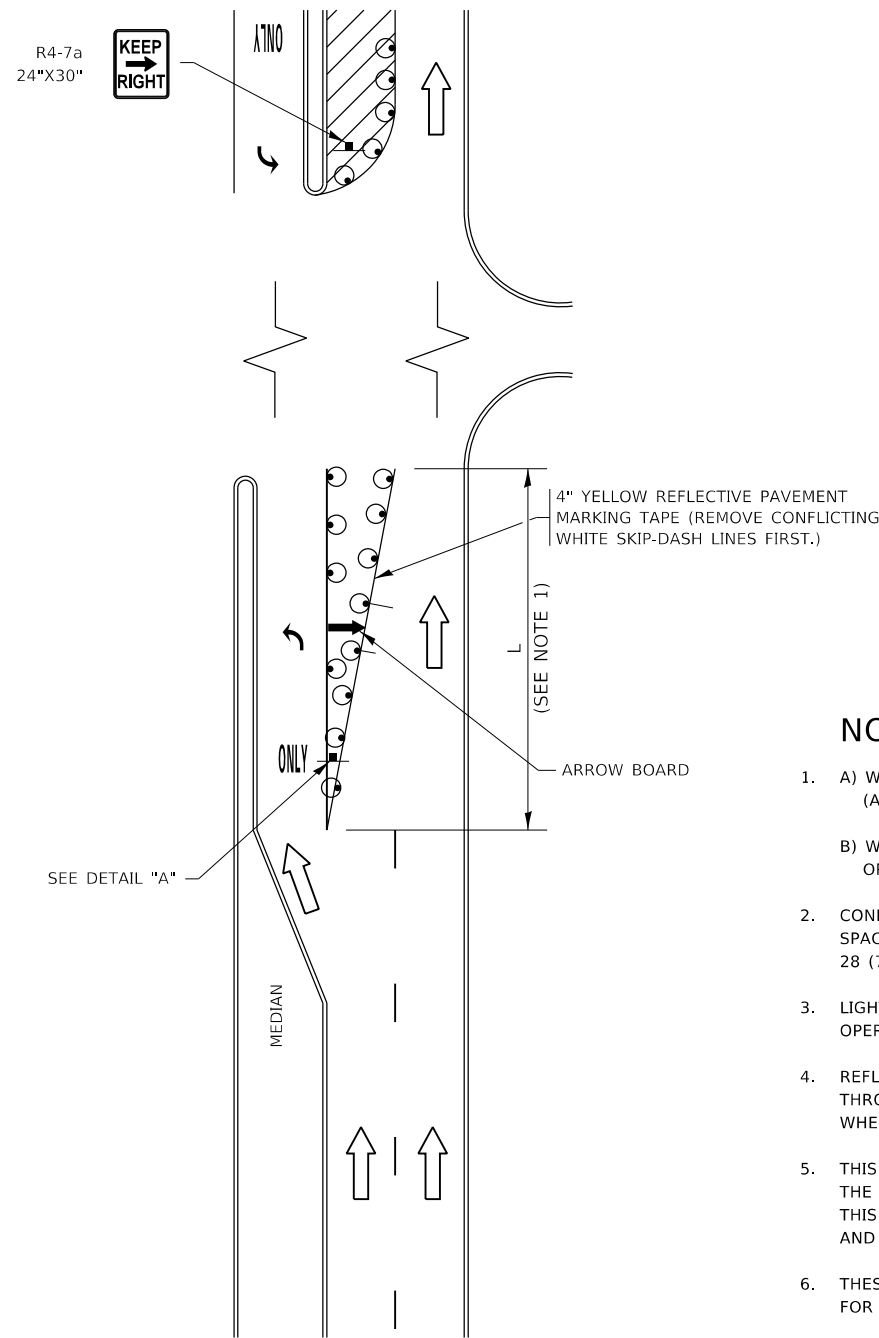
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|------------------------------|--------------------------------|------------------------------|
| USER NAME = alamahimm        | DESIGNED - EVERS               | REVISED - C. JUCIUS 09-09-09 |
| DRAWN -                      | REVISIONS - C. JUCIUS 07-01-13 |                              |
| PLOT SCALE = 100.0000' / in. | CHECKED -                      | REVISED - C. JUCIUS 12-21-15 |
| PLOT DATE = 3/27/2020        | DATE - 03-19-90                | REVISED - C. JUCIUS 04-12-16 |

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

|   |                     |              |  |
|---|---------------------|--------------|--|
| <b>DISTRICT ONE TYPICAL PAVEMENT MARKINGS</b> |                     |              |  |
| SCALE: NONE                                   | SHEET 1 OF 2 SHEETS | STA. TO STA. |  |

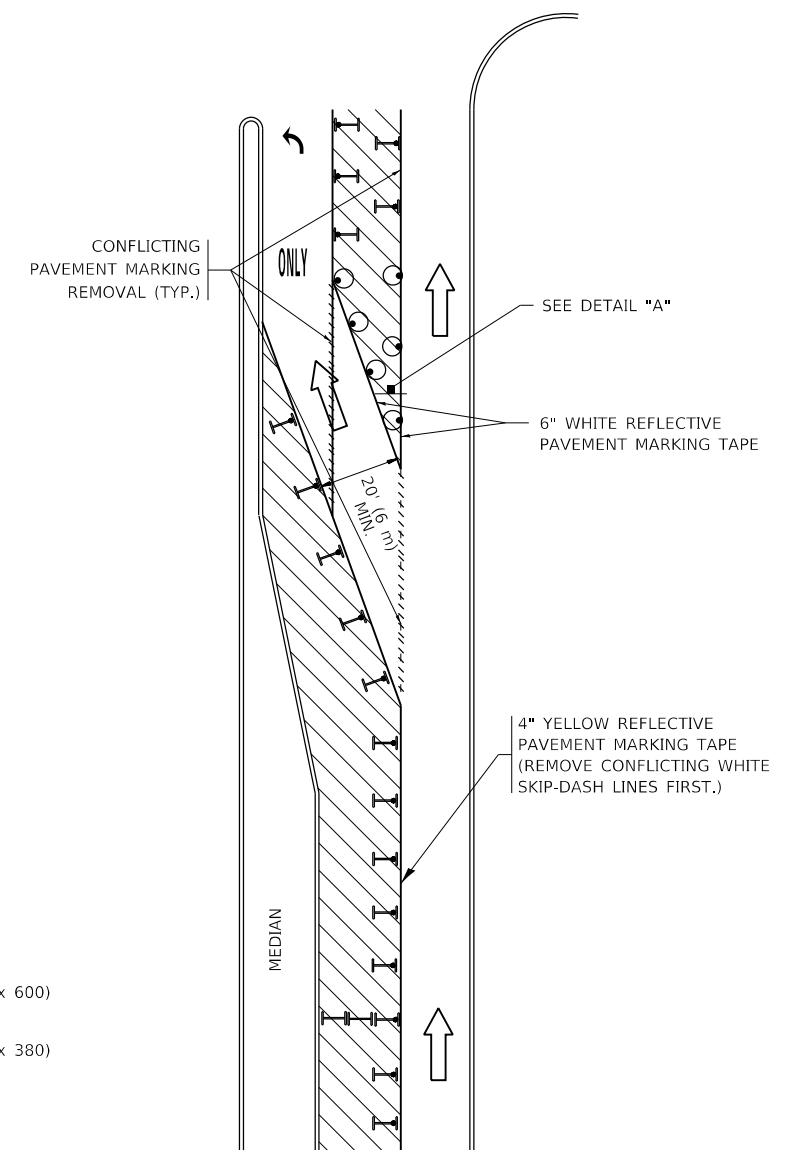
| F.A.J. RTE.  | SECTION           | COUNTY             | TOTAL SHEETS | SHEET NO. |
|--------------|-------------------|--------------------|--------------|-----------|
| 55           | 2019-095-RS-SW&SR | WILL               | 15           | 13        |
| <b>TC-13</b> |                   | CONTRACT NO. 62J91 |              |           |
| ILLINOIS     |                   | FED. AID PROJECT   |              |           |

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

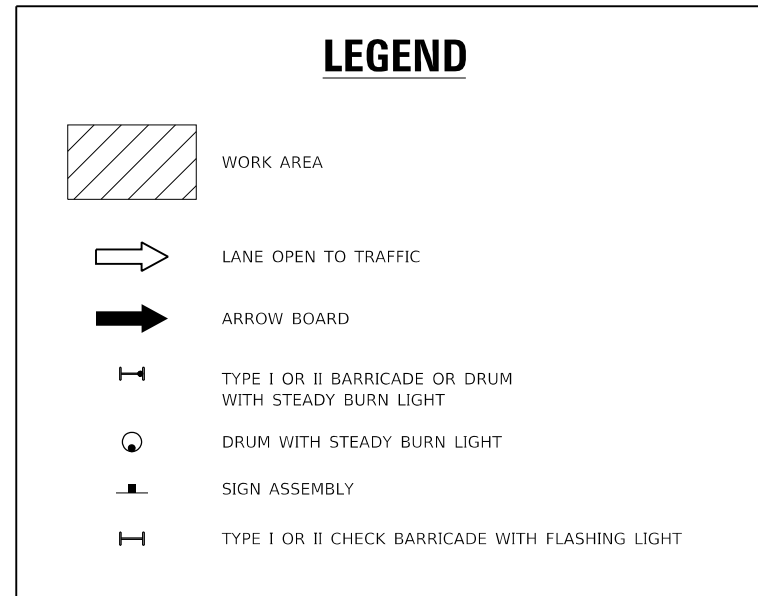


**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE

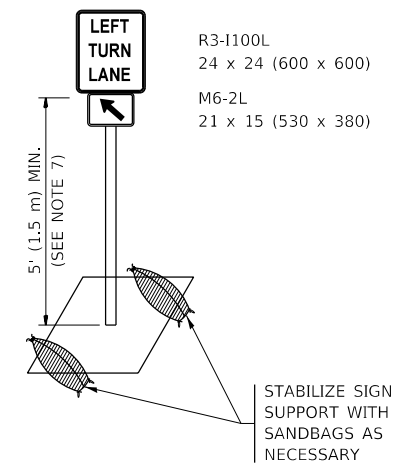


**FIGURE 2**



### NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



**DETAIL A**

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

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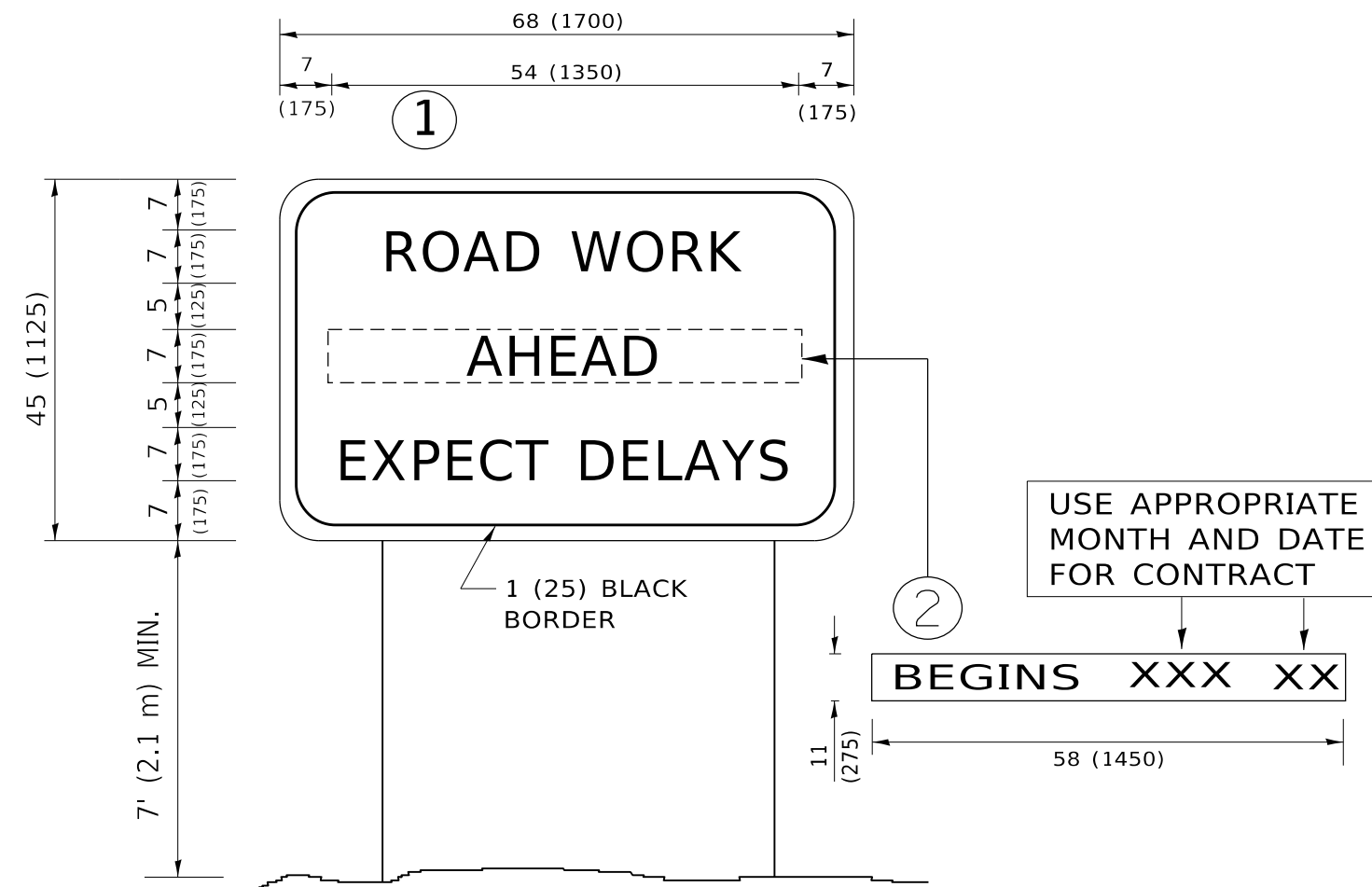
|                              |                                  |                                |
|------------------------------|----------------------------------|--------------------------------|
| USER NAME = alrahamim        | DESIGNED - T. RAMMACHER 09-08-94 | REVISED - R. BORO 09-14-09     |
|                              | DRAWN - A. HOUSEH 11-07-95       | REVISED - A. SCHUETZE 07-01-13 |
| PLOT SCALE = 100,0000' / in. | CHECKED - A. HOUSEH 10-12-96     | REVISED - A. SCHUETZE 09-15-16 |
| PLOT DATE = 3/27/2020        | DATE - T. RAMMACHER 01-06-00     | REVISED -                      |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.J. RTE.               | SECTION           | COUNTY             | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------------|--------------------|--------------|-----------|
| 55                        | 2019-095-R5-SW&SR | WILL               | 15           | 14        |
| TC-14                     |                   | CONTRACT NO. 62J91 |              |           |
| ILLINOIS FED. AID PROJECT |                   |                    |              |           |



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

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|                               |            |                                 |
|-------------------------------|------------|---------------------------------|
| USER NAME = alramahimm        | DESIGNED - | REVISED - R. MIRS 09-15-97      |
|                               | DRAWN -    | REVISED - R. MIRS 12-11-97      |
| PLOT SCALE = 100.0000 ' / in. | CHECKED -  | REVISED - T. RAMMACHER 02-02-99 |
| PLOT DATE = 3/27/2020         | DATE -     | REVISED - C. JUCIUS 01-31-07    |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.I. RTE.               | SECTION           | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|-------------------|--------|--------------------|-----------|
| 55                        | 2019-095-RS-SW&SR | WILL   | 15                 | 15        |
| <b>TC-22</b>              |                   |        | CONTRACT NO. 62J91 |           |
| ILLINOIS FED. AID PROJECT |                   |        |                    |           |