

WKE

Feb 09, 2021

PROJECT ID:
WITH:

1000-77-21

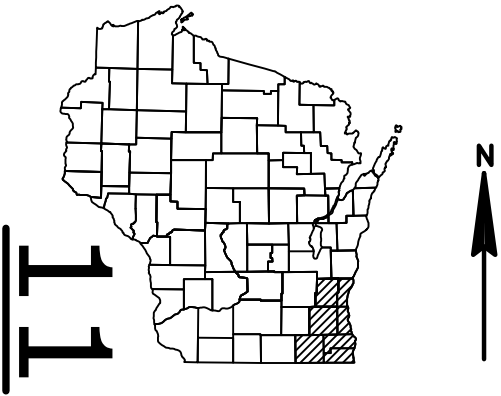
COUNTY:

REGION WIDE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 84



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

EPOXY PAVEMENT MARKING - 2021

PER STN ANNUAL PLAN

SE VAR HWY

REGION WIDE

STATE PROJECT NUMBER
1000-77-21

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1000-77-21	WISC 2021139	1

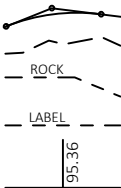
CONVENTIONAL SYMBOLS

PLAN

CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE

GRADE LINE
ORIGINAL GROUND
MARSH OR ROCK PROFILE (To be noted as such)
SPECIAL DITCH

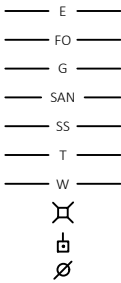


GRADE ELEVATION

CULVERT (Profile View)

UTILITIES

ELECTRIC
FIBER OPTIC
GAS
SANITARY SEWER
STORM SEWER
TELEPHONE
WATER
UTILITY PEDESTAL
POWER POLE
TELEPHONE POLE



WASHINGTON COUNTY

OZAUKEE COUNTY

WAUKESHA COUNTY

MILWAUKEE COUNTY

WALWORTH COUNTY

RACINE COUNTY

KENOSHA COUNTY

LAYOUT
SCALE PROJECT ID 1000-77-21

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	
Designer	DONALD STEEL
Project Manager	TOM HEYDEL
Regional Examiner	TOM HEYDEL
Regional Supervisor	DON BERGHAMMER

APPROVED FOR THE DEPARTMENT
DATE: 10/28/20 Thomas A Heydel
(Signature)

E

GENERAL NOTES:

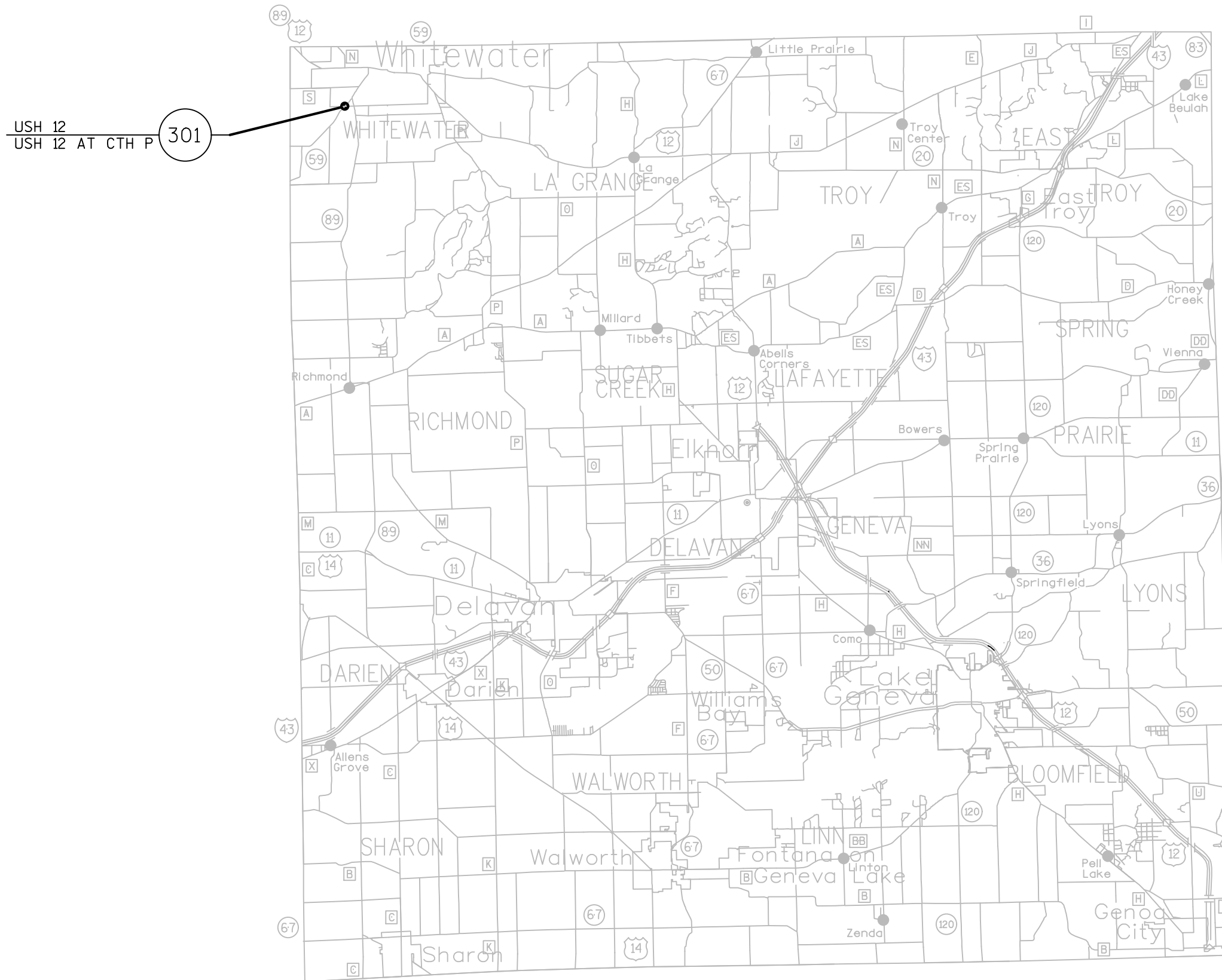
- 1. THERE ARE NO UTILITY IMPACTS FOR THIS PROJECT
- 2. THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

CONTACTS:

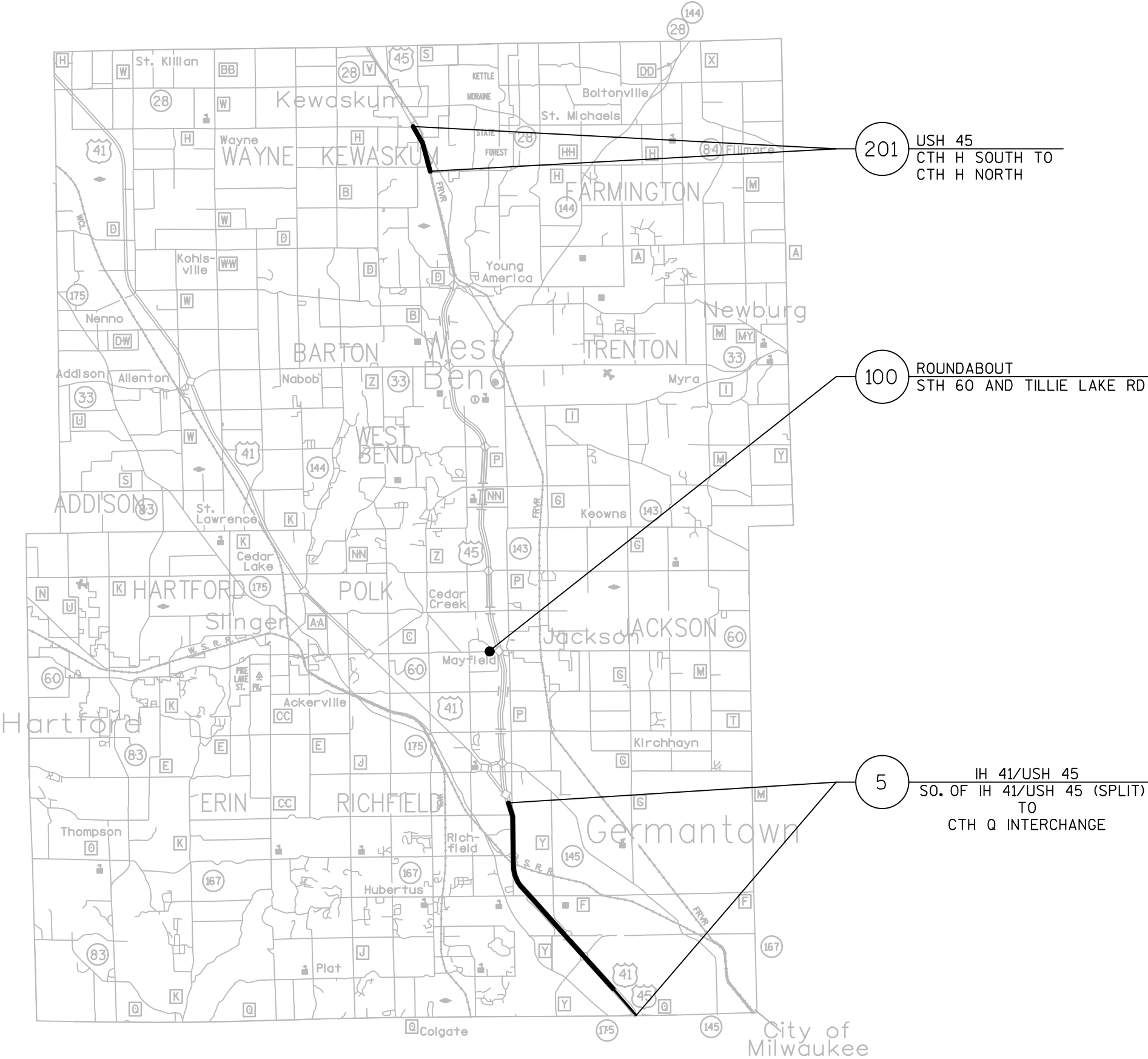
DNR- SPILL HOTLINE (24HR)
1-800-943-0003



EPOXY PAVEMENT MARKING 2021



EPOXY PAVEMENT MARKING 2021

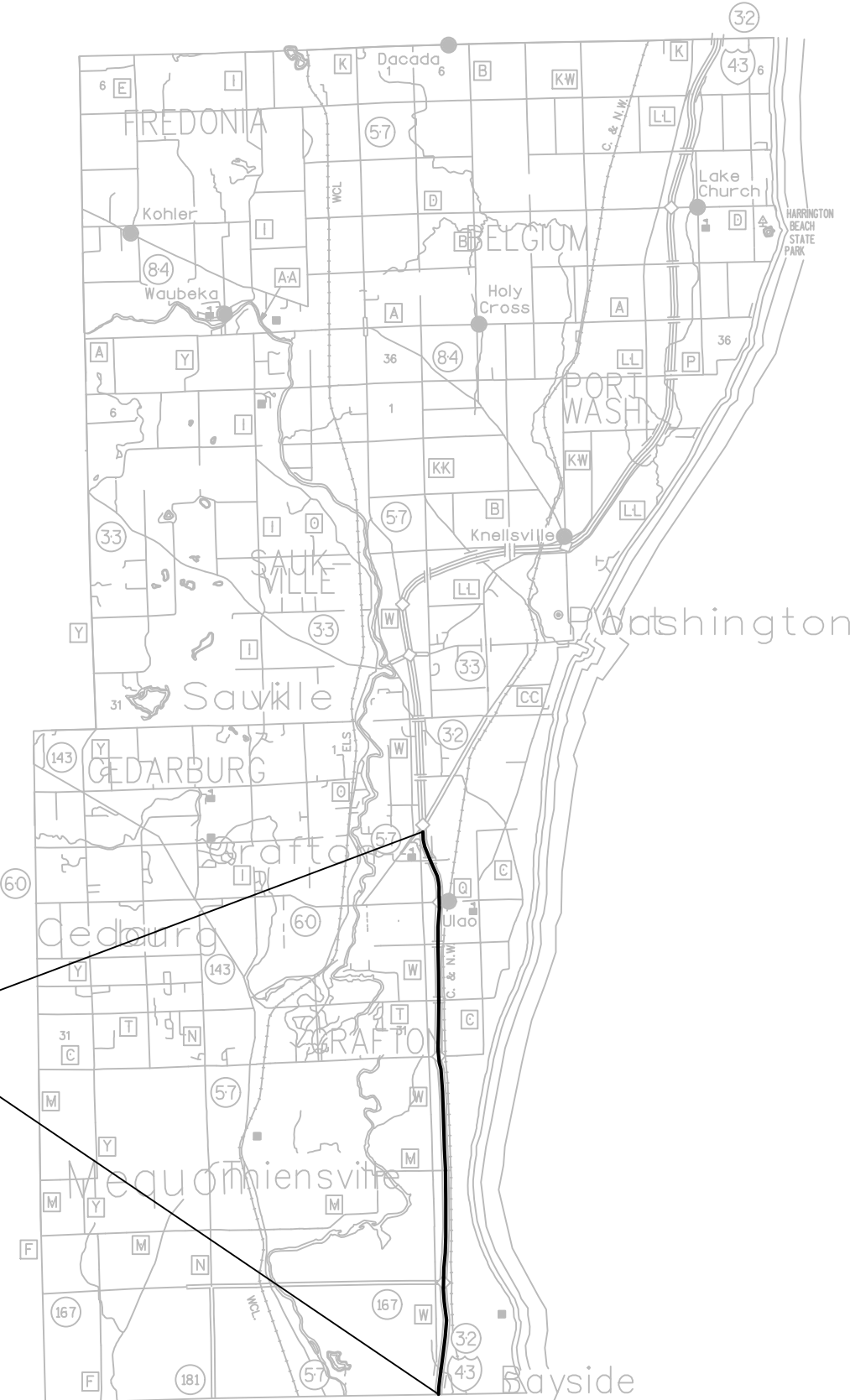


EPOXY PAVEMENT MARKING 2021

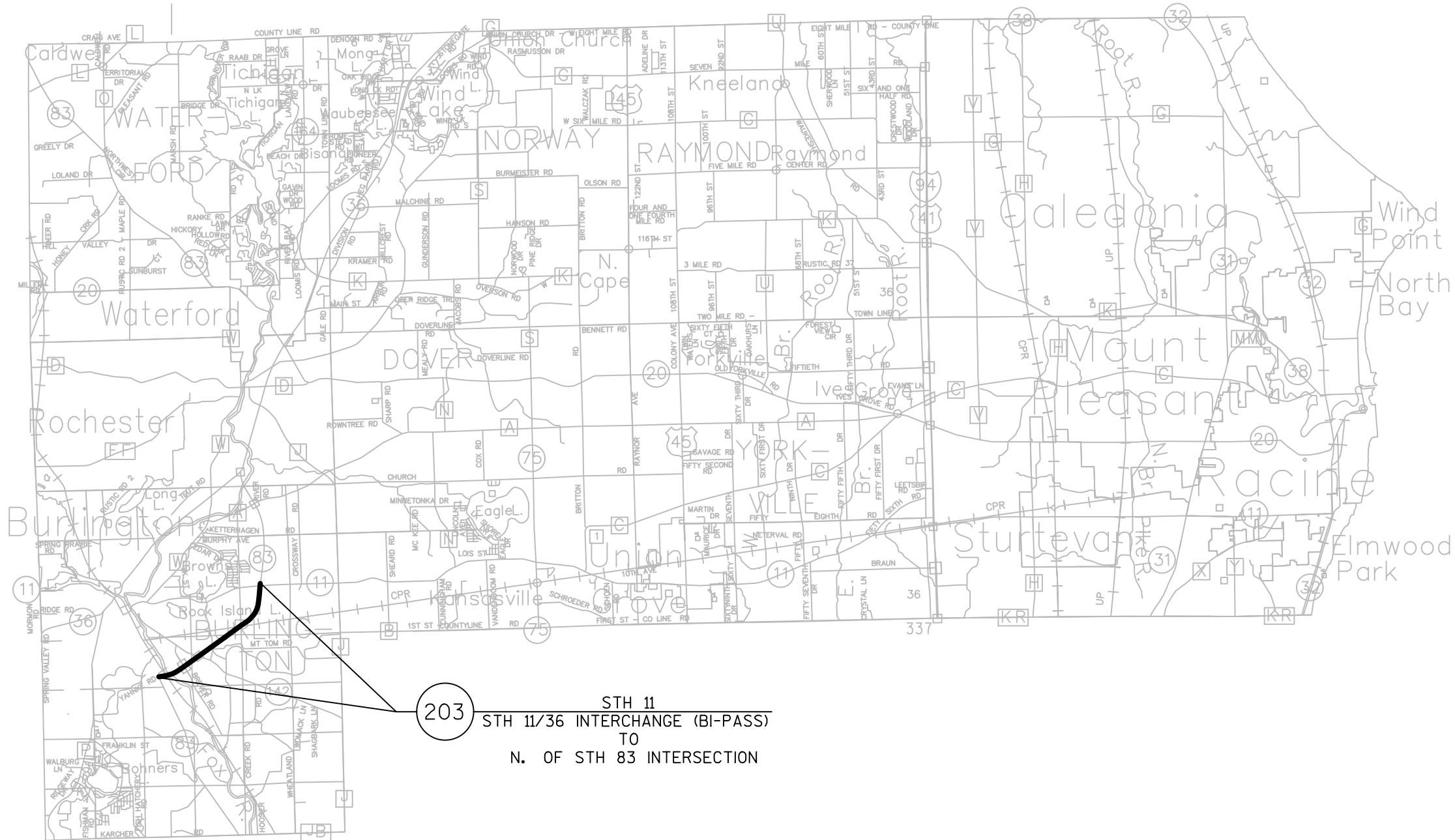


IH 43
STH 57/32 INTER.
TO
OZ/MILW CO. LINE

7

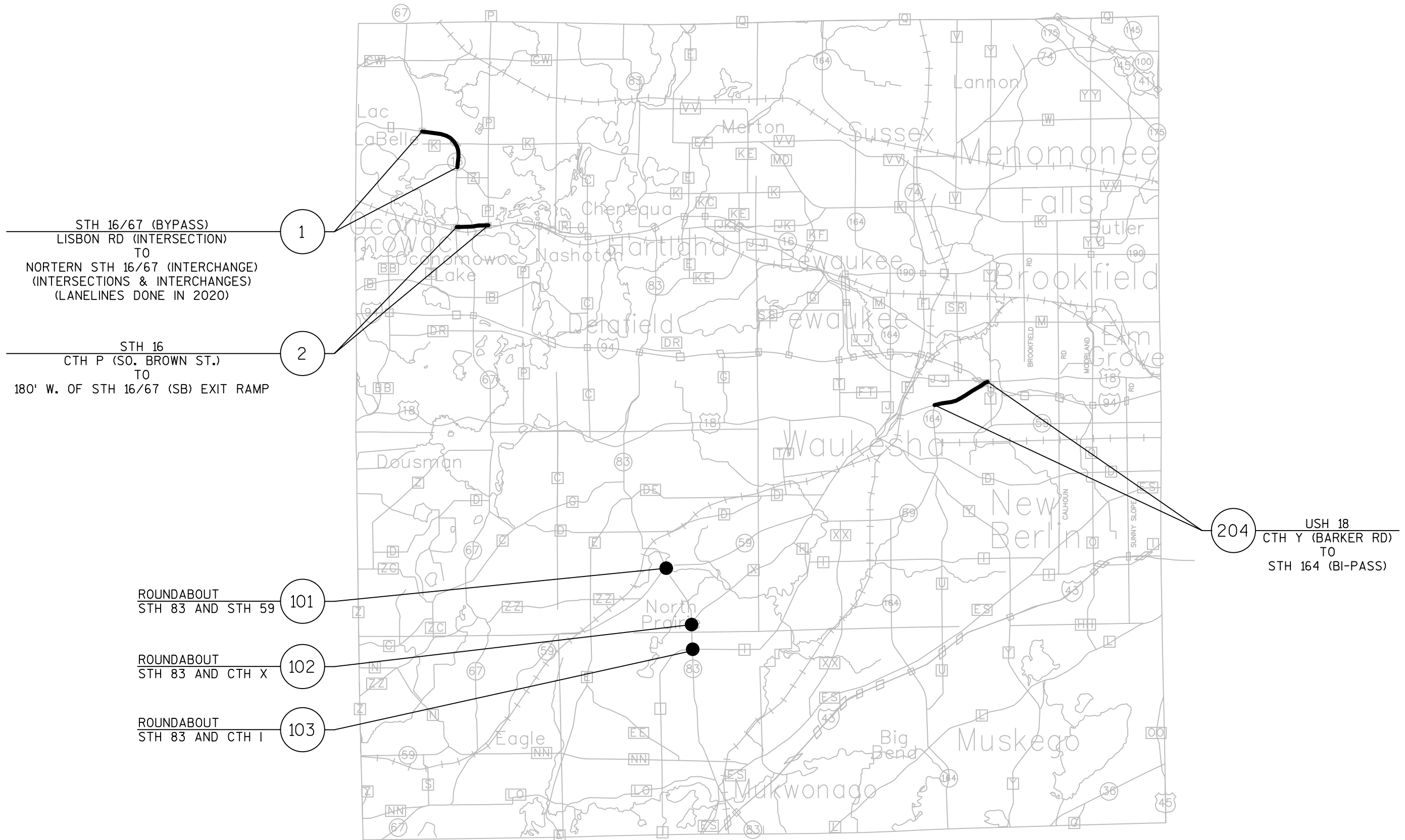


EPOXY PAVEMENT MARKING 2021

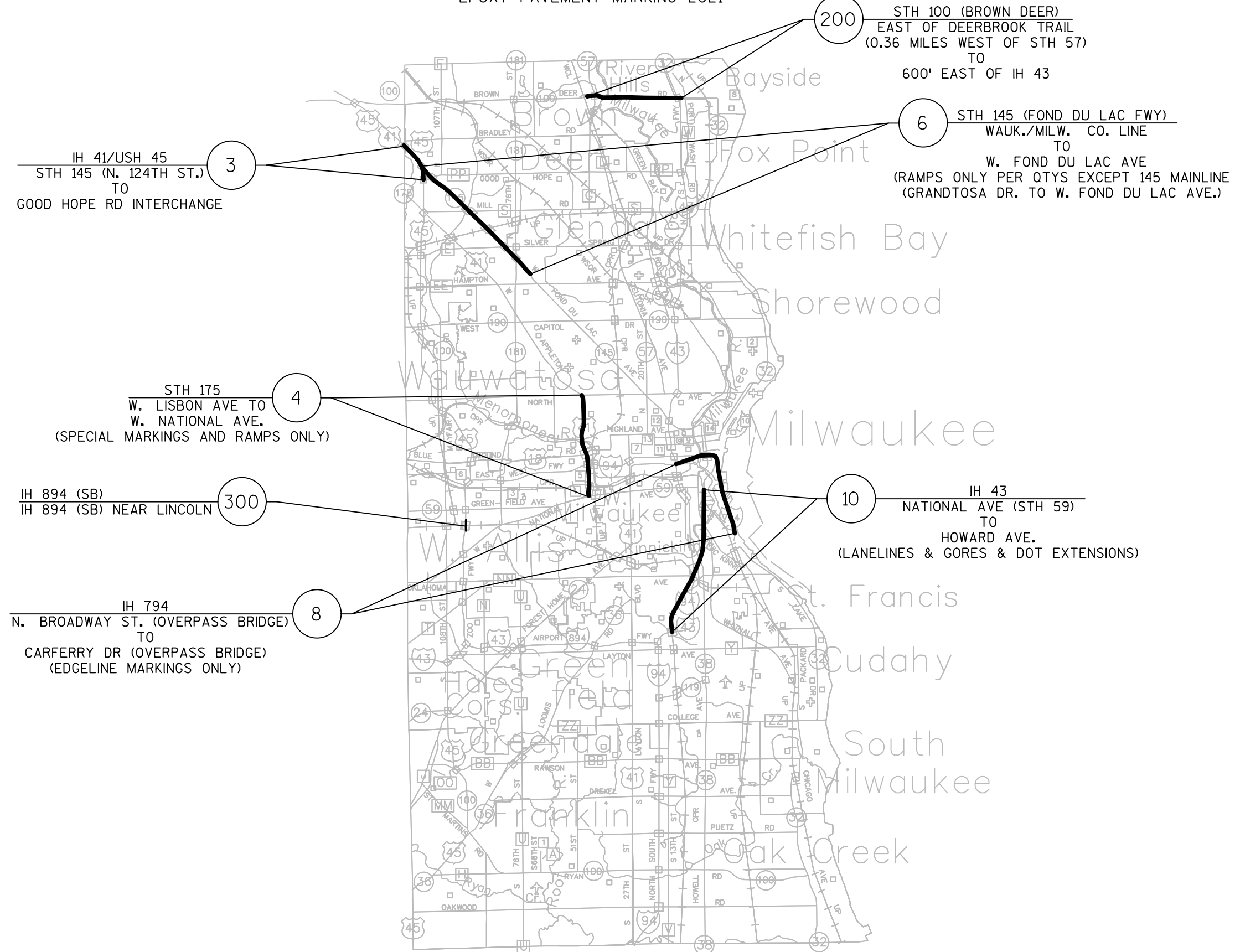


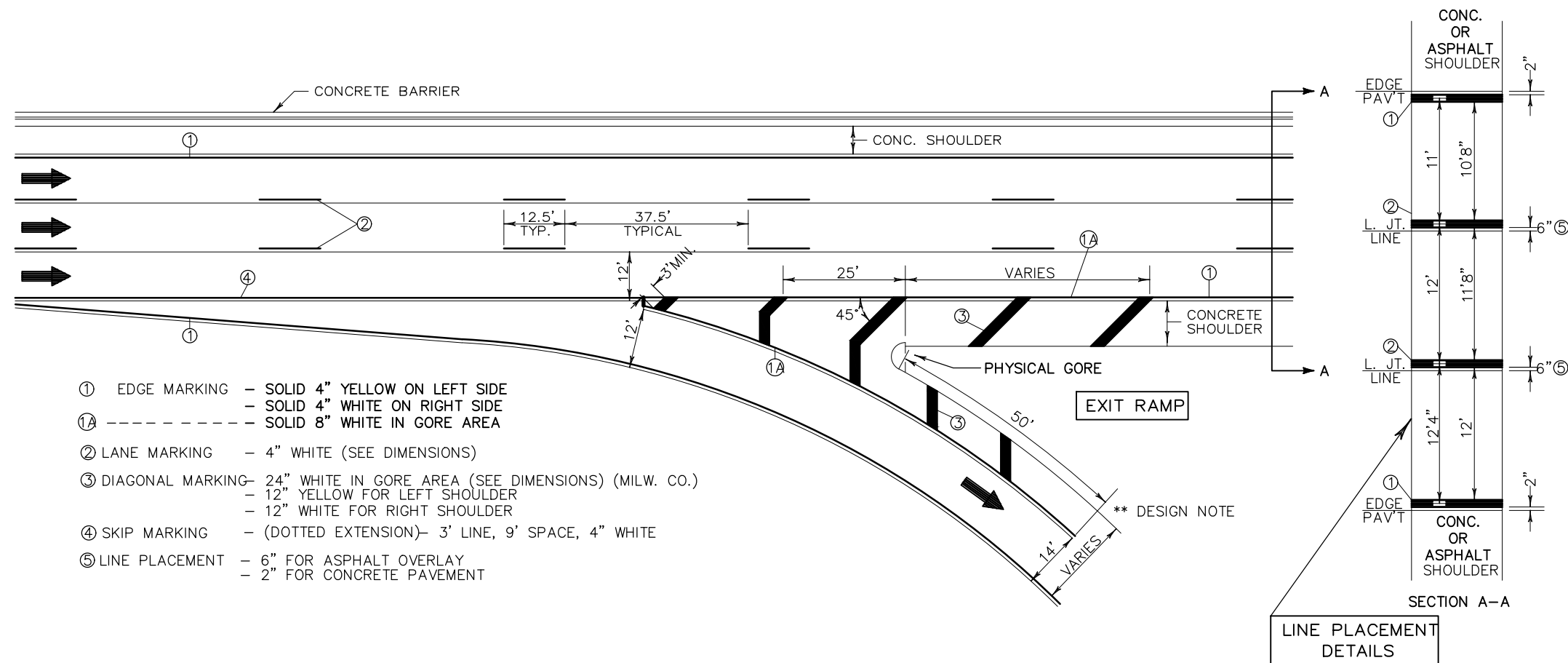


EPOXY PAVEMENT MARKING 2021



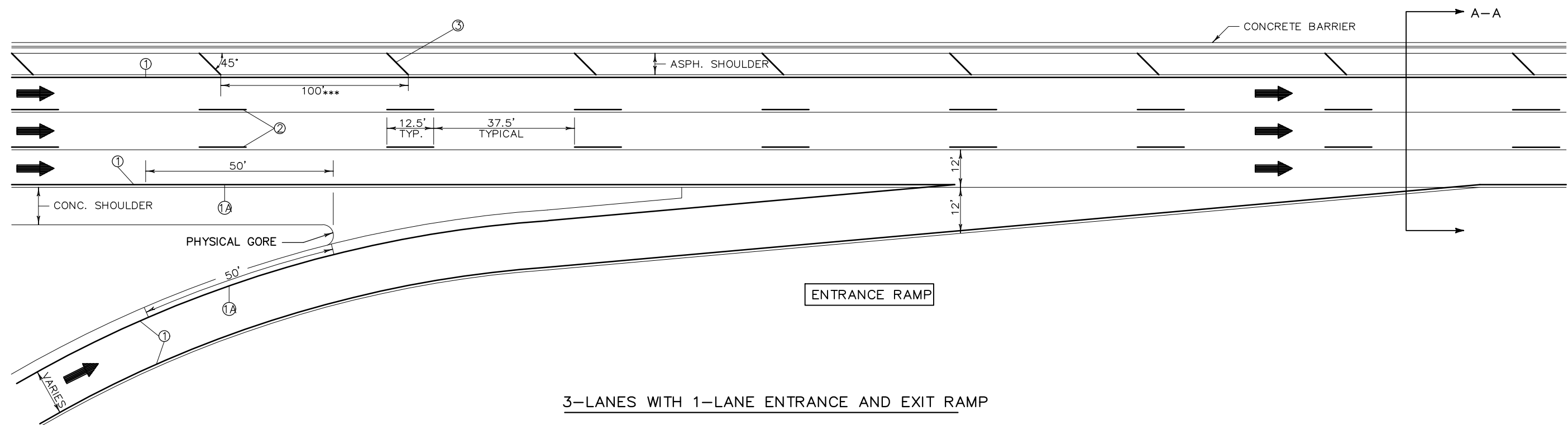
EPOXY PAVEMENT MARKING 2021



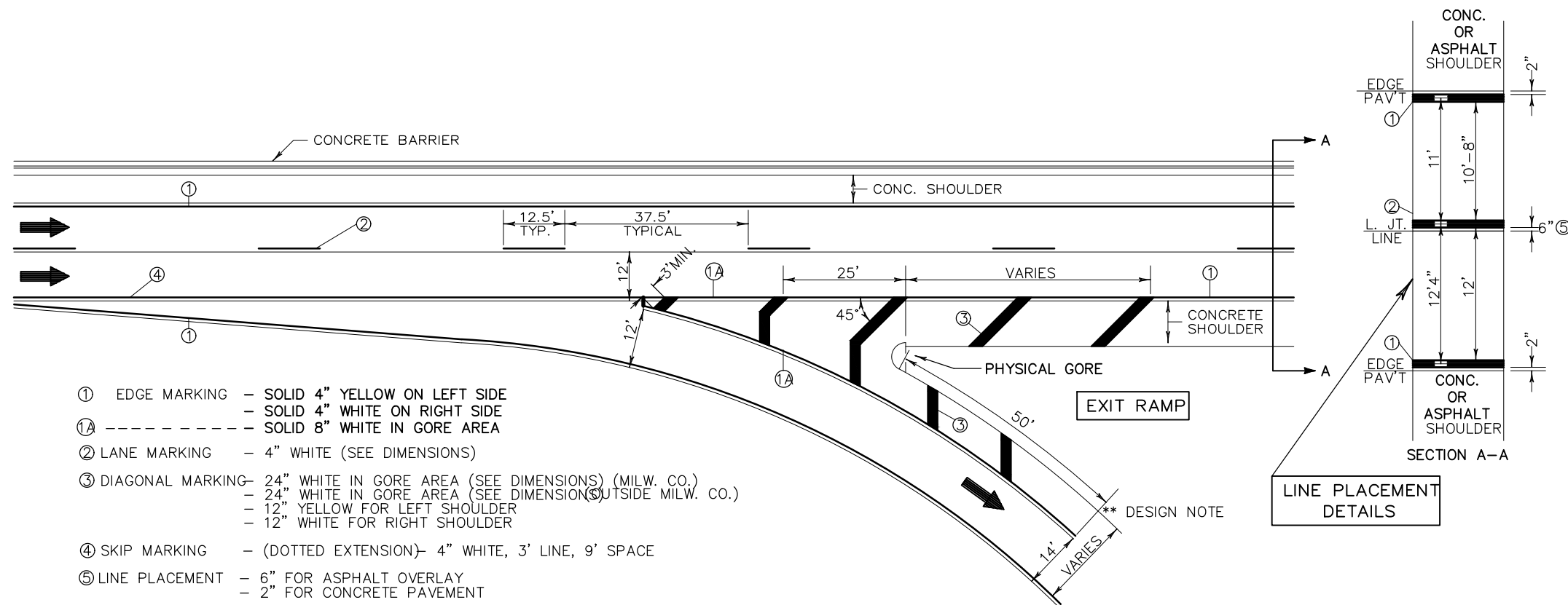


NOTES:

1. THE 12" WIDE DIAGONAL SHOULDER MARKING SHALL BE USED ONLY WHERE THE ASPHALTIC CONCRETE SHOULDER ABUTS ASPHALTIC CONC. PAV'T. IF THERE ARE CONTINUOUS RUMBLE STRIPS, DO NOT USE DIAGONAL SHOULDER MARKING.
2. WHERE THE DOTTED EXTENSION OF THE RIGHT EDGE LINE IS SHOWN ON THE PLAN, IT SHALL BE 4" WIDE, WITH A LINE SKIP PATTERN CONSISTING OF A 3' LONG LINE AND A 9' SKIP.
3. PAVEMENT LANE MARKINGS SHALL BE LOCATED 6" OFF THE LONGITUDINAL JOINT OF THE UNDERLYING CONC. PAVEMENT.
4. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
5. SPOTTING FOR PAVEMENT LANE MARKINGS AND EDGE LINES SHALL BE 4"x4" PIECES OF REFLECTORIZED PAV'T MARKING TAPE SPACED AT 50' INTERVALS, INCIDENTAL TO PAV'T MARKING.

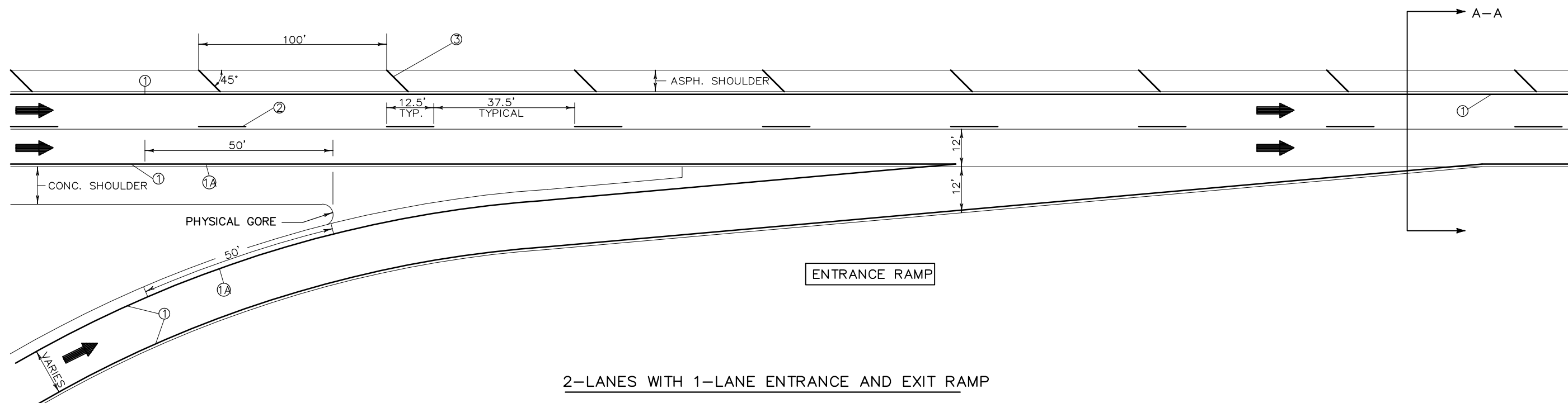


3-LANES WITH 1-LANE ENTRANCE AND EXIT RAMP

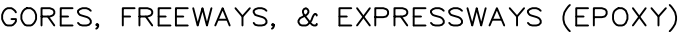
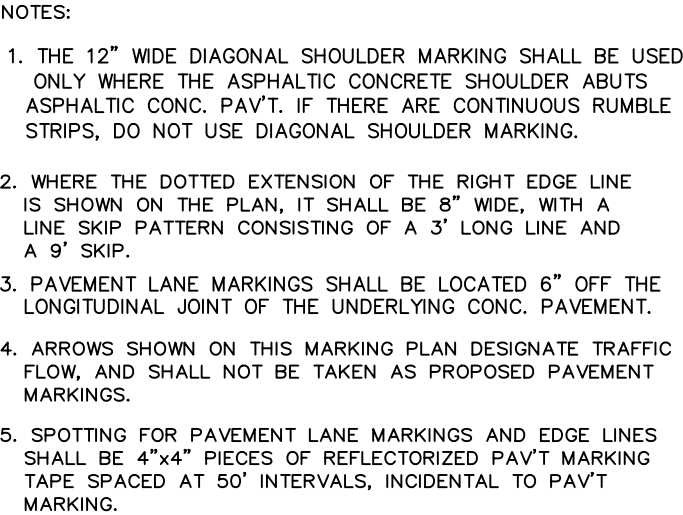


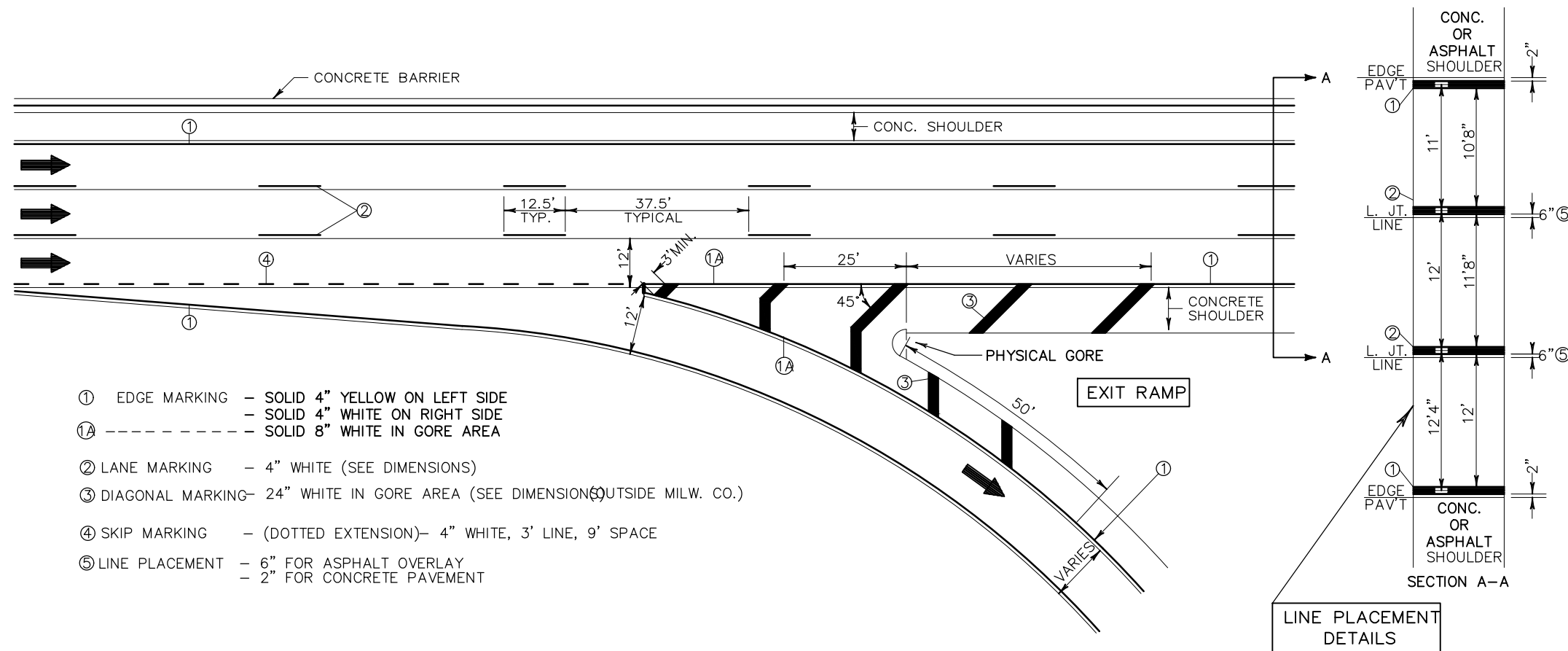
NOTES:

1. THE 12" WIDE DIAGONAL SHOULDER MARKING SHALL BE USED ONLY WHERE THE ASPHALTIC CONCRETE SHOULDER ABUTS ASPHALTIC CONC. PAV'T. IF THERE ARE CONTINUOUS RUMBLE STRIPS, DO NOT USE DIAGONAL SHOULDER MARKING.
2. WHERE THE DOTTED EXTENSION OF THE RIGHT EDGE LINE IS SHOWN ON THE PLAN, IT SHALL BE 4" WIDE, WITH A LINE SKIP PATTERN CONSISTING OF A 3' LONG LINE AND A 9' SKIP.
3. PAVEMENT LANE MARKINGS SHALL BE LOCATED 6" OFF THE LONGITUDINAL JOINT OF THE UNDERLYING CONC. PAVEMENT.
4. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
5. SPOTTING FOR PAVEMENT LANE MARKINGS AND EDGE LINES SHALL BE 4"x4" PIECES OF REFLECTORIZED PAV'T MARKING TAPE SPACED AT 50' INTERVALS, INCIDENTAL TO PAV'T MARKING.



GORES, FREEWAYS, & EXPRESSWAYS (EPOXY)

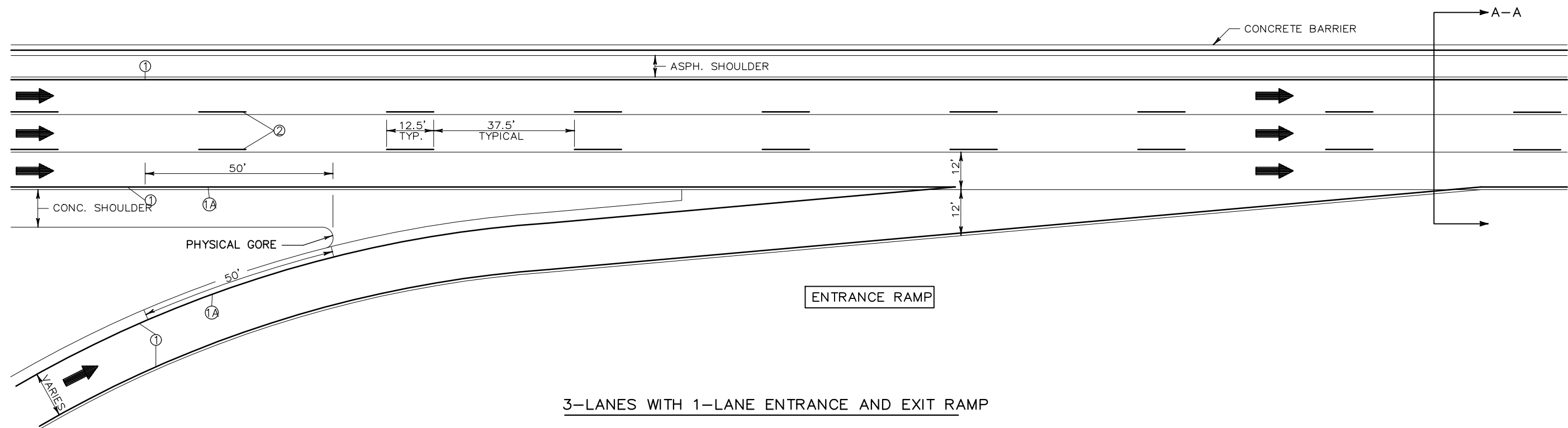


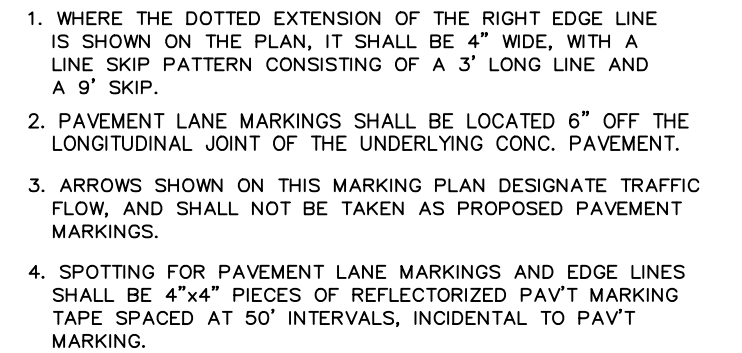


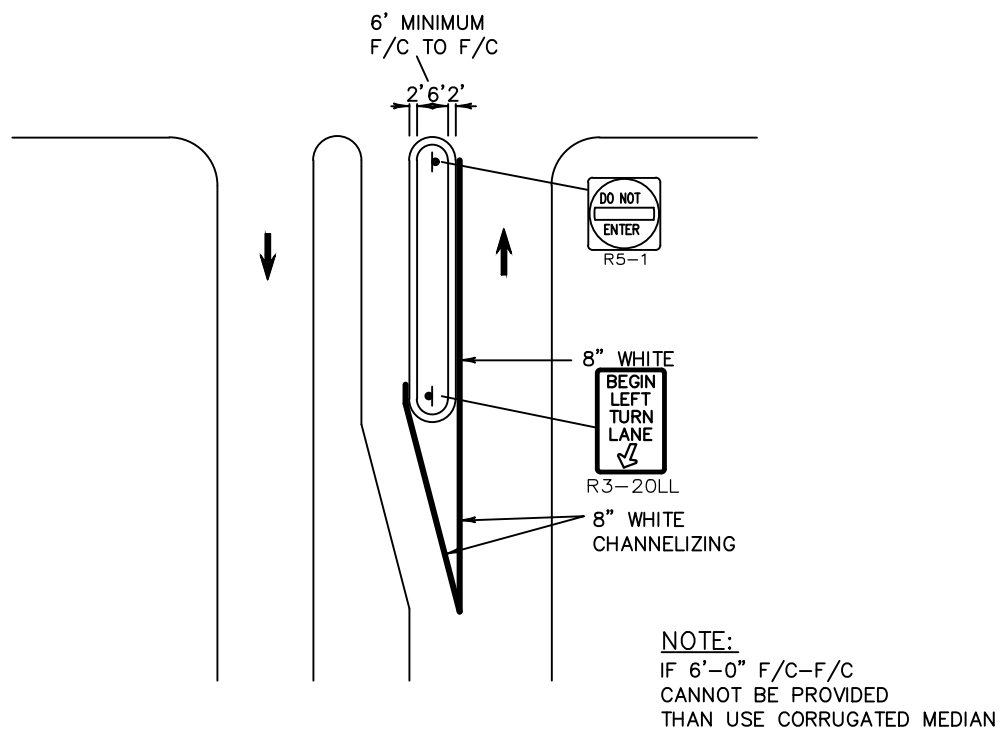
- ① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE
①A - - - - - SOLID 8" WHITE IN GORE AREA
- ② LANE MARKING - 4" WHITE (SEE DIMENSIONS)
- ③ DIAGONAL MARKING- 24" WHITE IN GORE AREA (SEE DIMENSIONS) OUTSIDE MILW. CO.)
- ④ SKIP MARKING - (DOTTED EXTENSION)- 4" WHITE, 3' LINE, 9' SPACE
- ⑤ LINE PLACEMENT - 6" FOR ASPHALT OVERLAY
- 2" FOR CONCRETE PAVEMENT

NOTES:

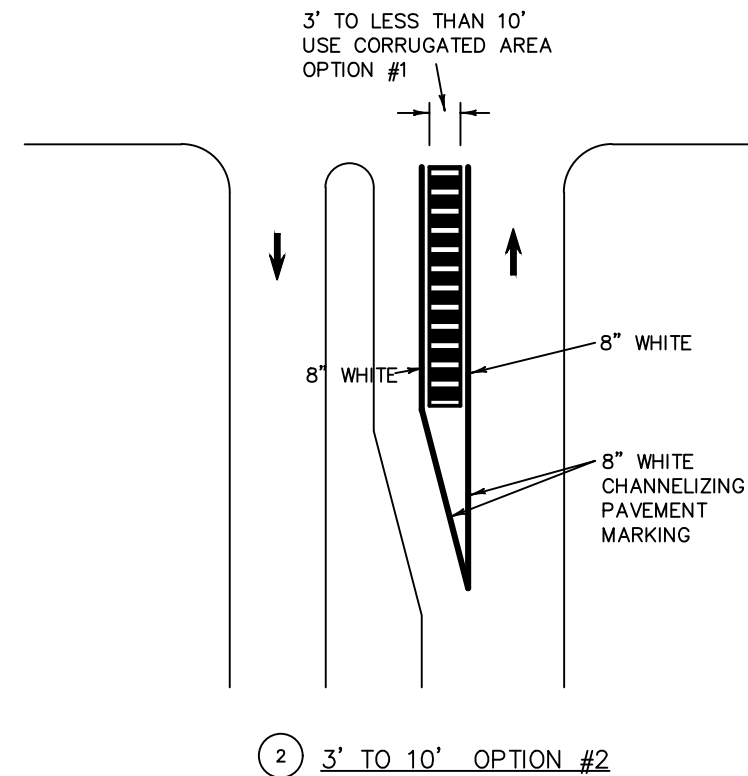
- WHERE THE DOTTED EXTENSION OF THE RIGHT EDGE LINE IS SHOWN ON THE PLAN, IT SHALL BE 4" WIDE, WITH A LINE SKIP PATTERN CONSISTING OF A 3' LONG LINE AND A 9' SKIP.
- PAVEMENT LANE MARKINGS SHALL BE LOCATED 6" OFF THE LONGITUDINAL JOINT OF THE UNDERLYING CONC. PAVEMENT.
- ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
- SPOTTING FOR PAVEMENT LANE MARKINGS AND EDGE LINES SHALL BE 4"x4" PIECES OF REFLECTORIZED PAV'T MARKING TAPE SPACED AT 50' INTERVALS, INCIDENTAL TO PAV'T MARKING.



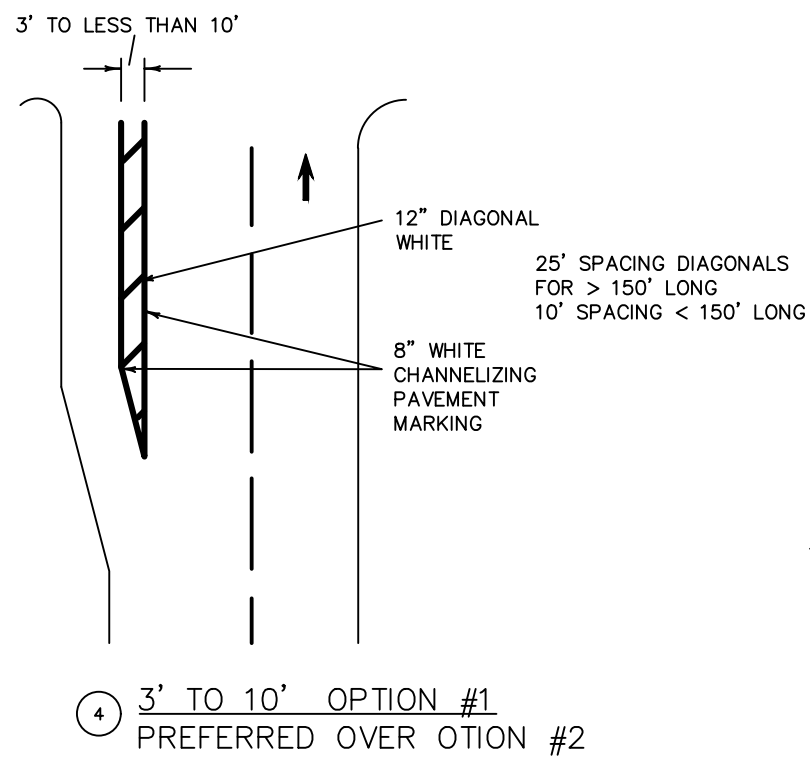




① 10' OR GREATER
CURB & GUTTER LEFT TURN SLOT



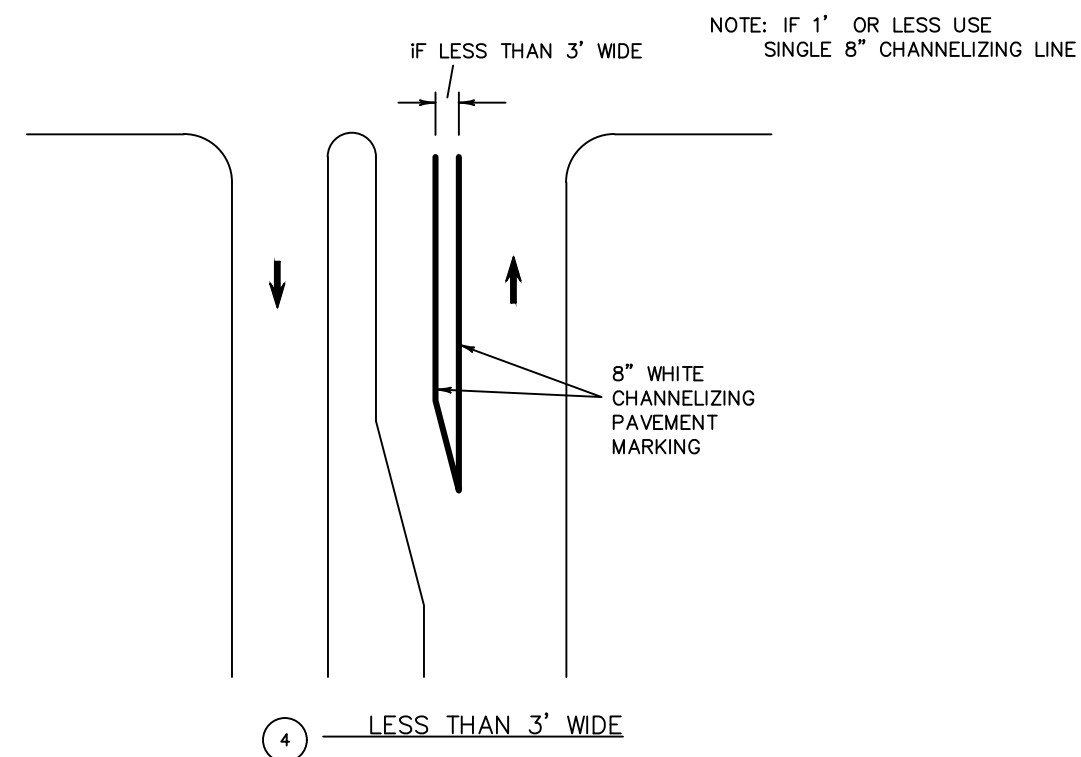
② 3' TO 10' OPTION #2



④ 3' TO 10' OPTION #1
PREFERRED OVER OTION #2

SLOTTED LEFT TURN LANE TREATMENT

- ① 10' OR GREATER
- ② 3' TO 10' OPTION #2
- ③ 3' TO 10' OPTION #1
- ④ LESS THAN 3'-0"

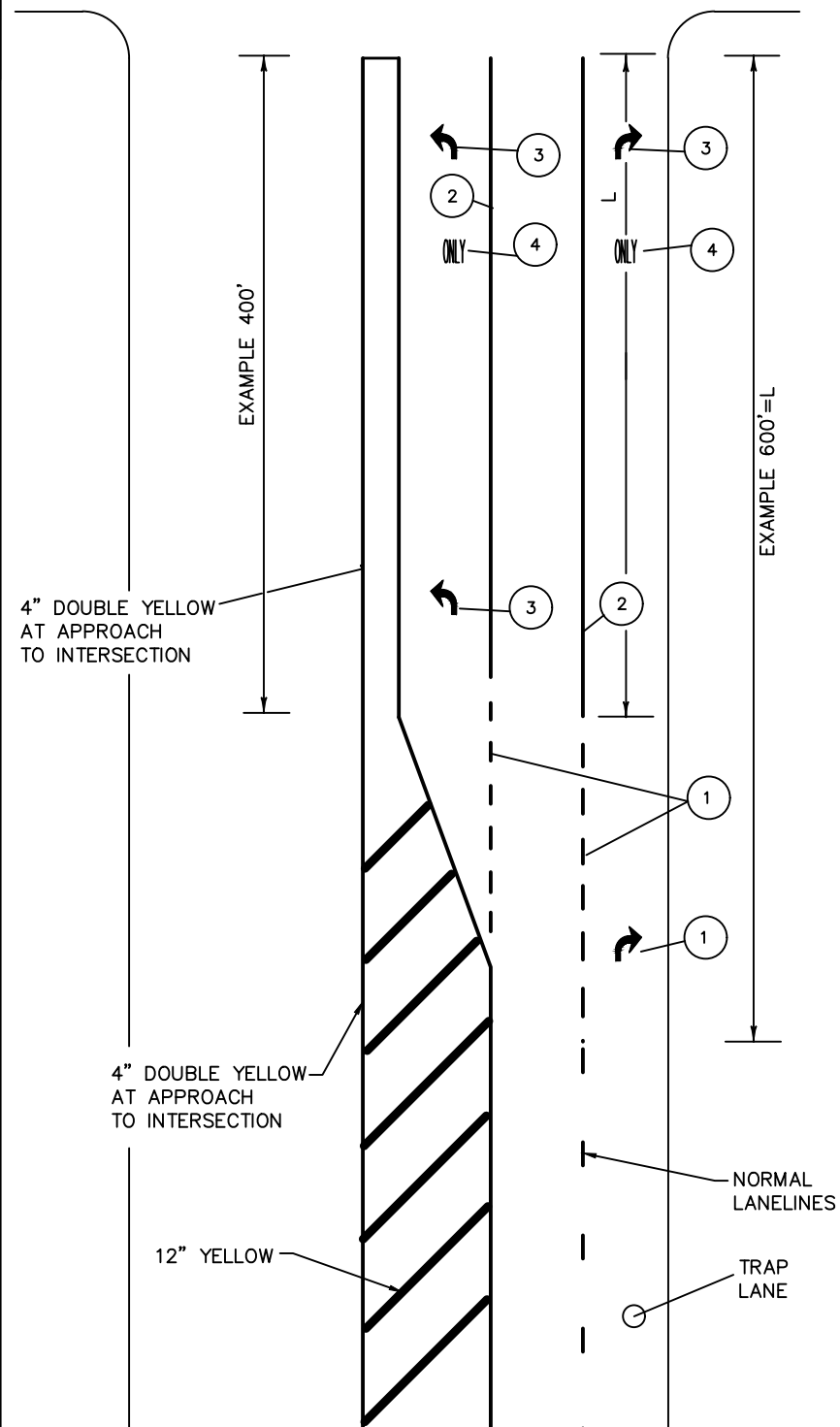


④ LESS THAN 3' WIDE

PAVEMENT MARKING

SHEET 1 OF 2

TWO SETS MAX. OF ARROWS/ONLYS



RIGHT
TURN
ONLY
R3-53R
24" X 30"

R4-7
R47_4651
R3-2
R32_4703

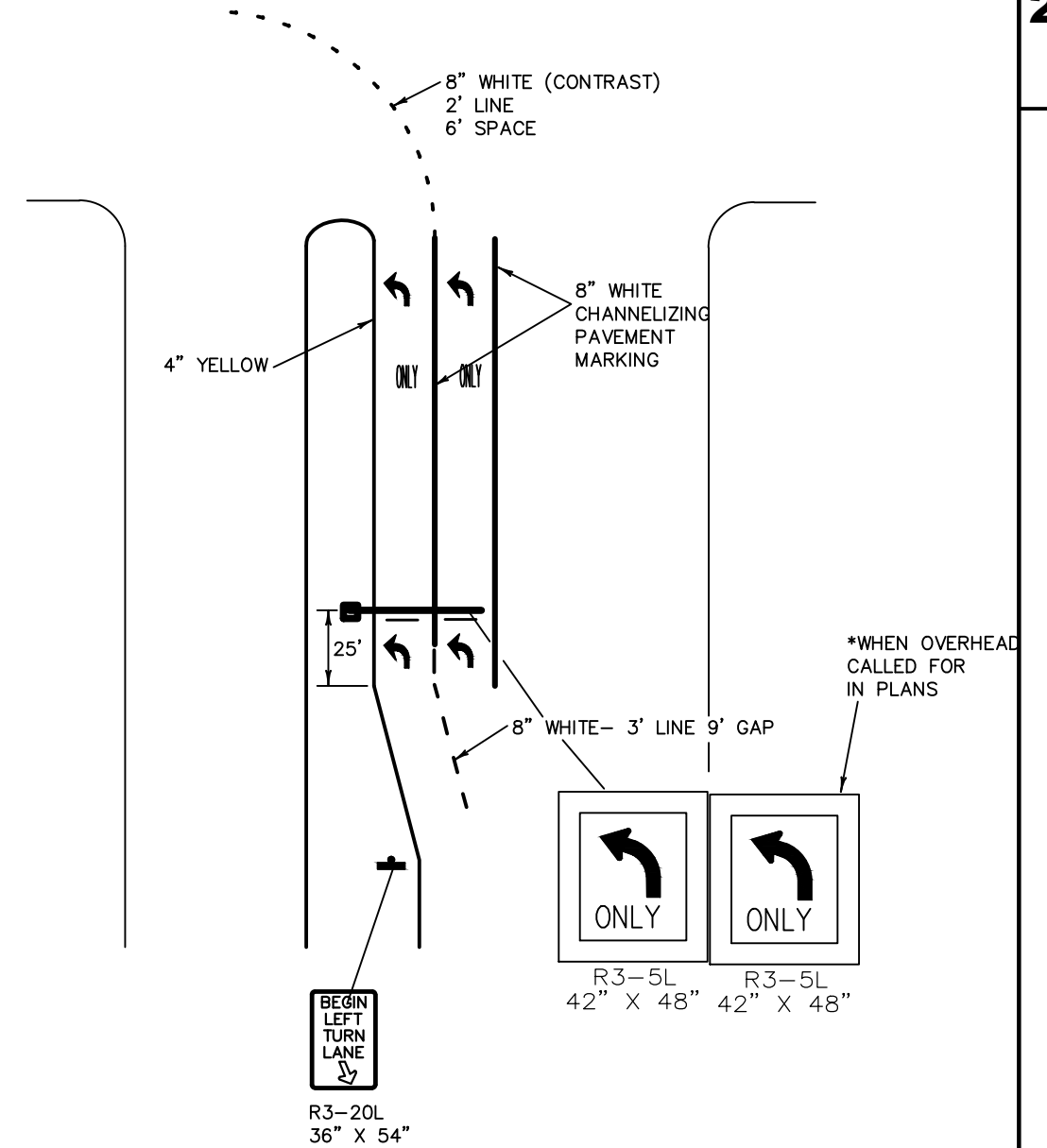
DO NOT
ENTER
R5-1

W12-1D
24" X 24"
2' HEIGHT

4" YELLOW
3' LINE
9' SPACE

8" WHITE CHANNELING

TWO SETS MAX. OF ARROWS/ONLYS



R3-5L
42" X 48"
R3-5L
42" X 48"

BEGIN
LEFT
TURN
LANE
R3-20L
36" X 54"

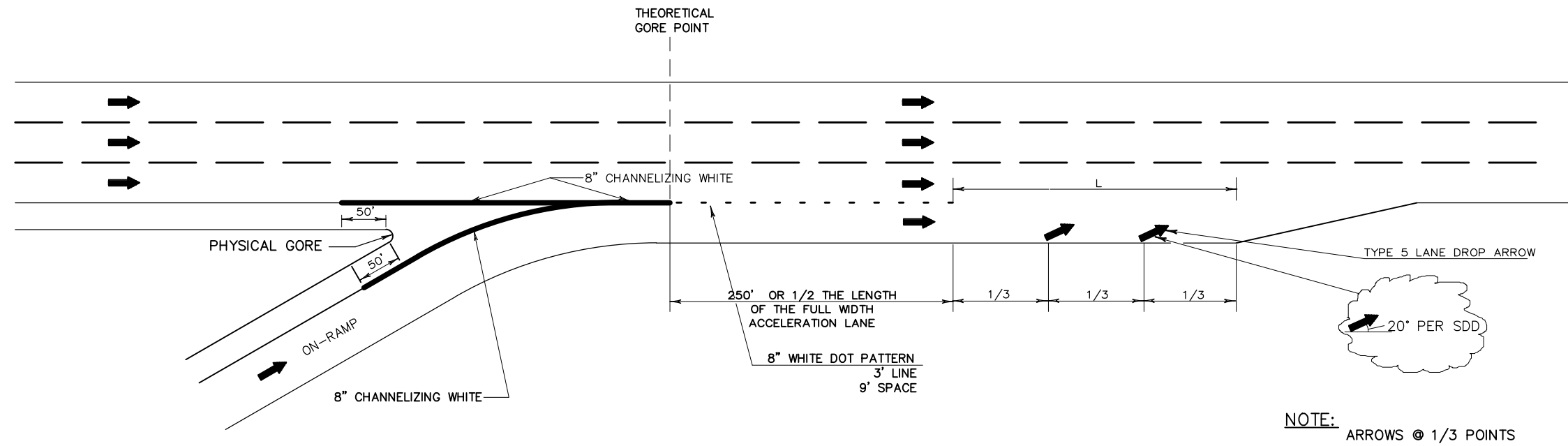
*WHEN OVERHEAD
CALLED FOR
IN PLANS

- 1 8" WHITE (3' LINE, 9' GAP)
- 1 8" SOLID WHITE
- 1 ARROW TYPE 2
- 1 WORD

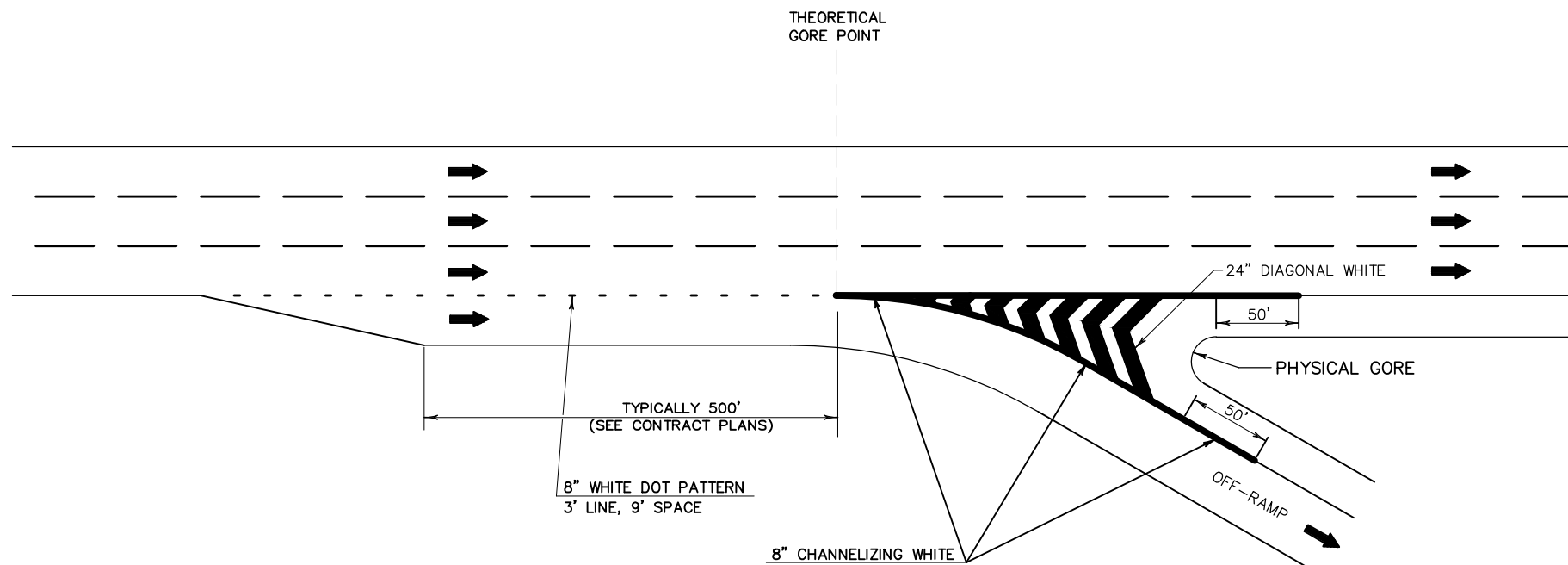
*CONTACT TRAFFIC OPERATIONS TOM HEYDEL FOR SPEC OR WEBSITE
http://dotnet/dtid_bho/extranet/manuals/index.shtm
traffic hot topics reference list/special provisions

**SEE TEOPS 3-10-1 MATRIX OF MATERIALS FOR TYPE OF PAVEMENT MARKING PRODUCT TO USE
CONTACT TOM HEYDEL

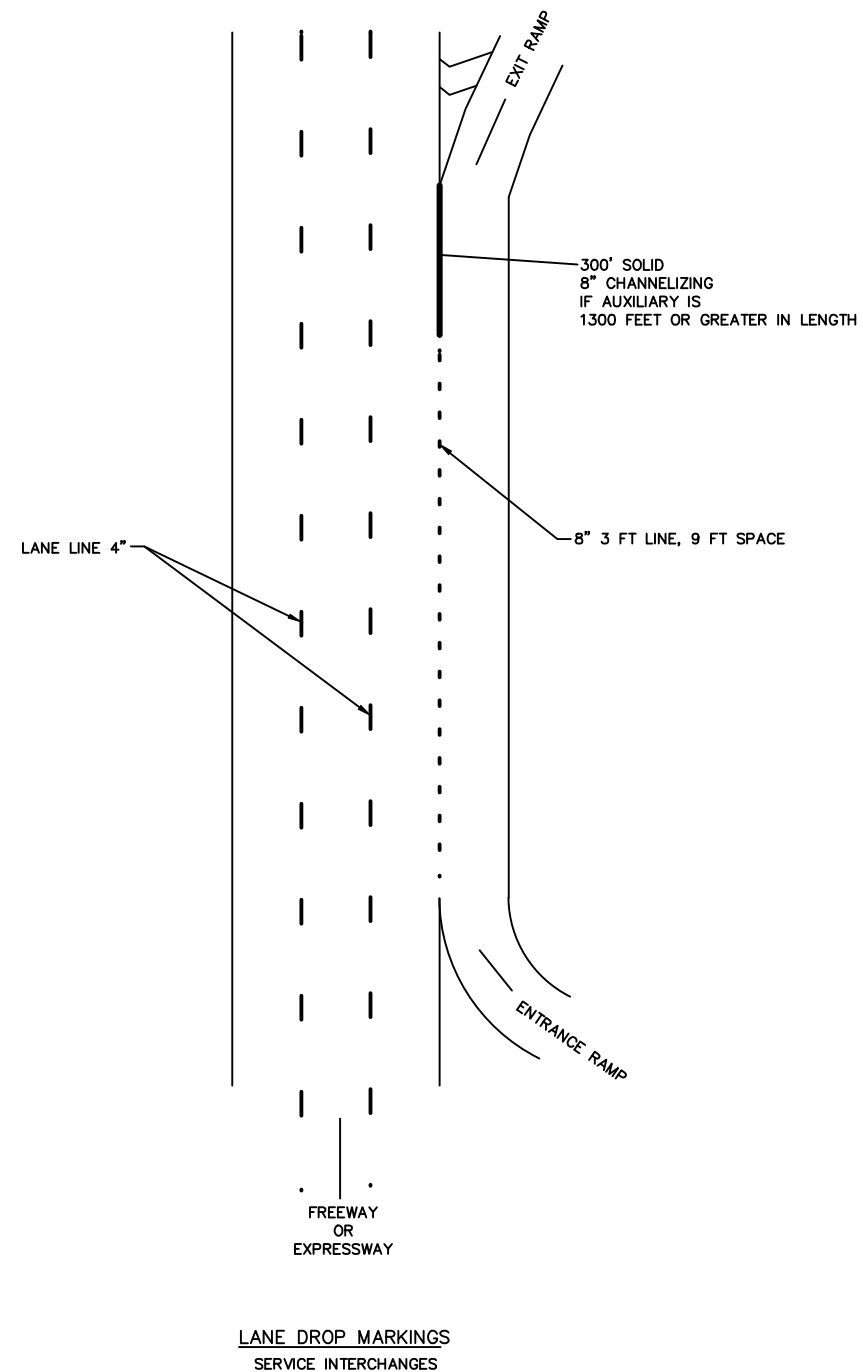
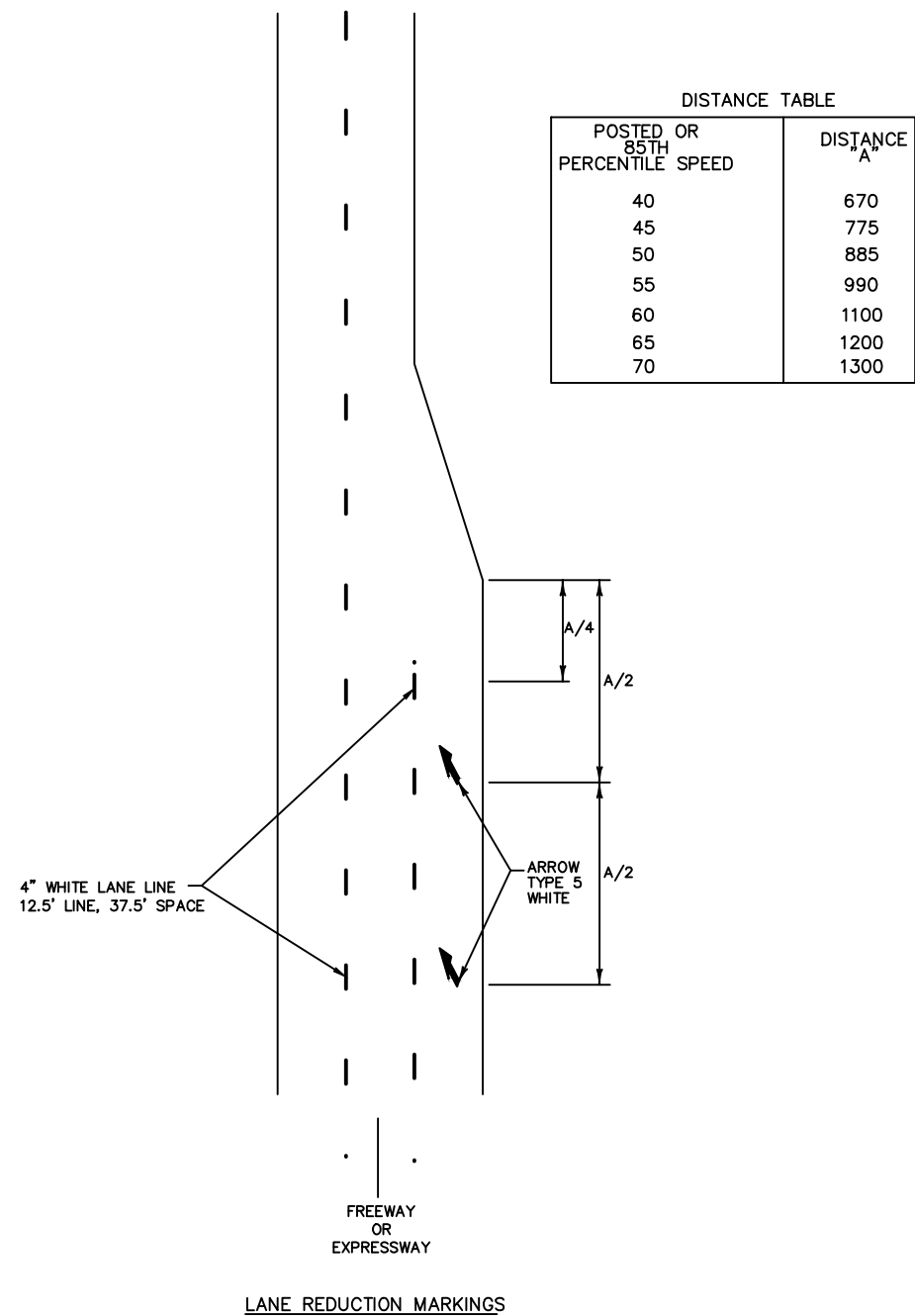
SHEET 2 OF 2

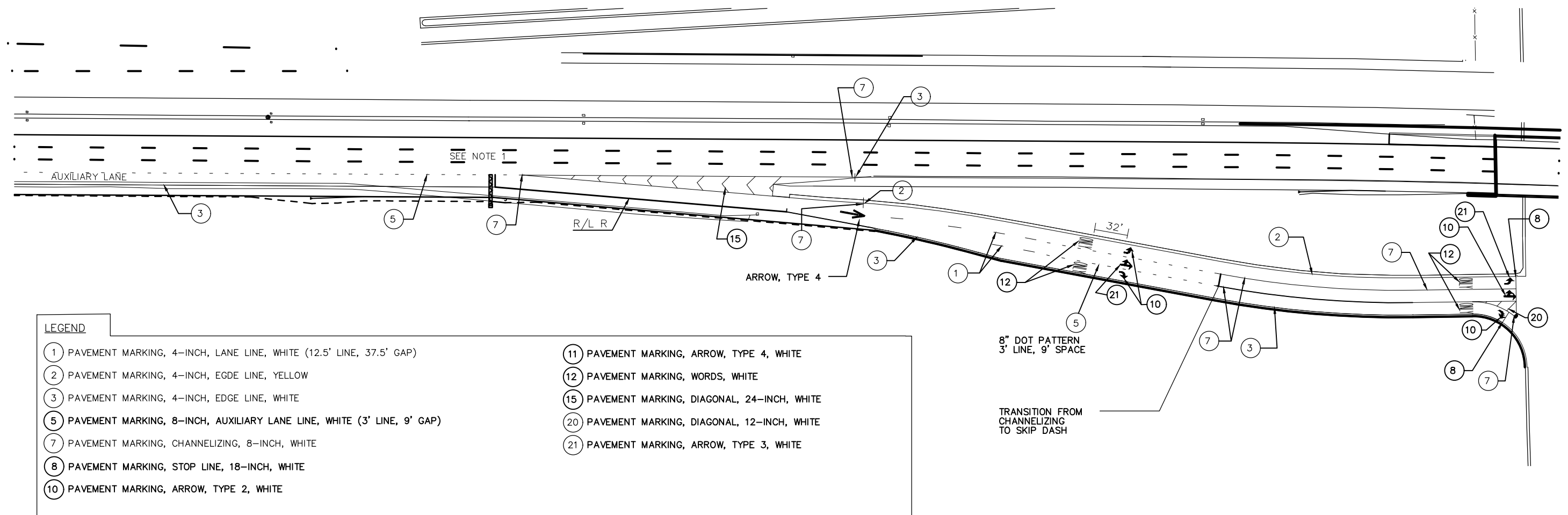


SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ON-RAMP

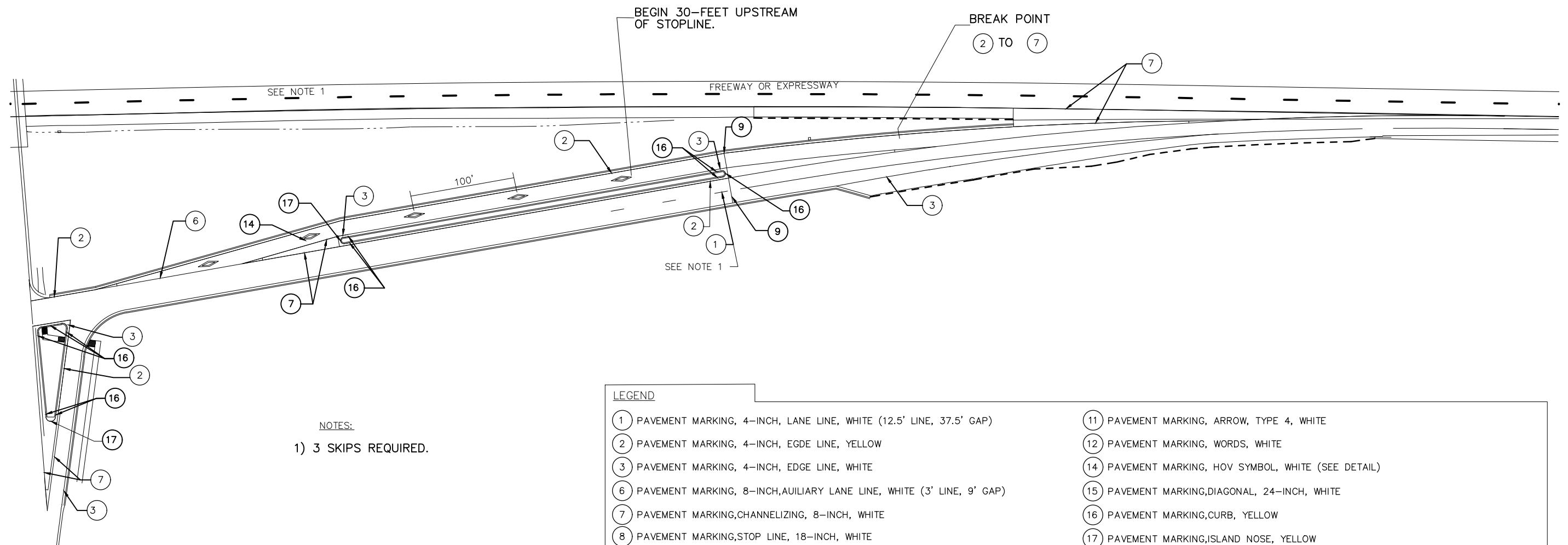


SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL OFF-RAMP





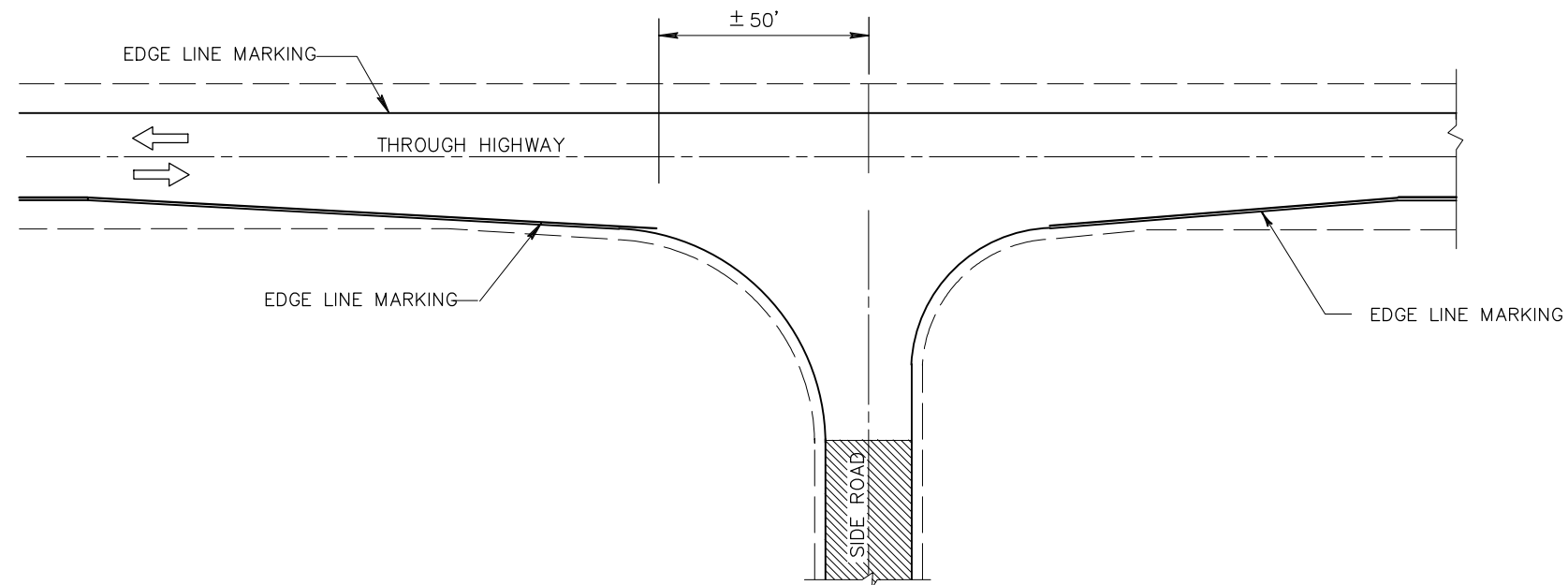
TYPICAL OFF-RAMP PAVEMENT MARKING WITH MULTIPLE LANES



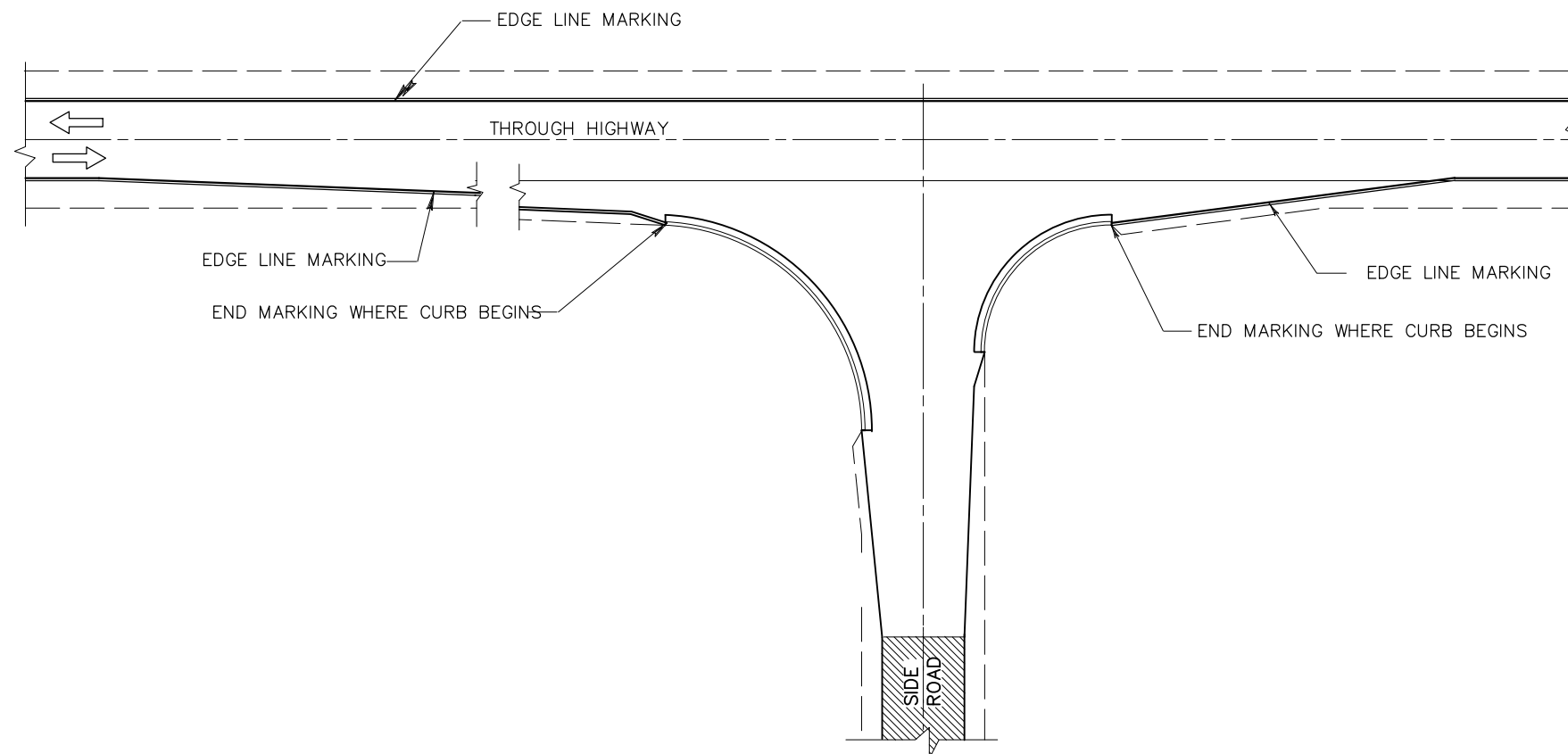
LEGEND

- | | |
|--|---|
| (1) PAVEMENT MARKING, 4-INCH, LANE LINE, WHITE (12.5' LINE, 37.5' GAP) | (11) PAVEMENT MARKING, ARROW, TYPE 4, WHITE |
| (2) PAVEMENT MARKING, 4-INCH, EDGE LINE, YELLOW | (12) PAVEMENT MARKING, WORDS, WHITE |
| (3) PAVEMENT MARKING, 4-INCH, EDGE LINE, WHITE | (14) PAVEMENT MARKING, HOV SYMBOL, WHITE (SEE DETAIL) |
| (6) PAVEMENT MARKING, 8-INCH, AUXILIARY LANE LINE, WHITE (3' LINE, 9' GAP) | (15) PAVEMENT MARKING, DIAGONAL, 24-INCH, WHITE |
| (7) PAVEMENT MARKING, CHANNELIZING, 8-INCH, WHITE | (16) PAVEMENT MARKING, CURB, YELLOW |
| (8) PAVEMENT MARKING, STOP LINE, 18-INCH, WHITE | (17) PAVEMENT MARKING, ISLAND NOSE, YELLOW |
| (9) PAVEMENT MARKING, STOP LINE, 18-INCH, WHITE | |
| (10) PAVEMENT MARKING, ARROW, TYPE 2, WHITE | |

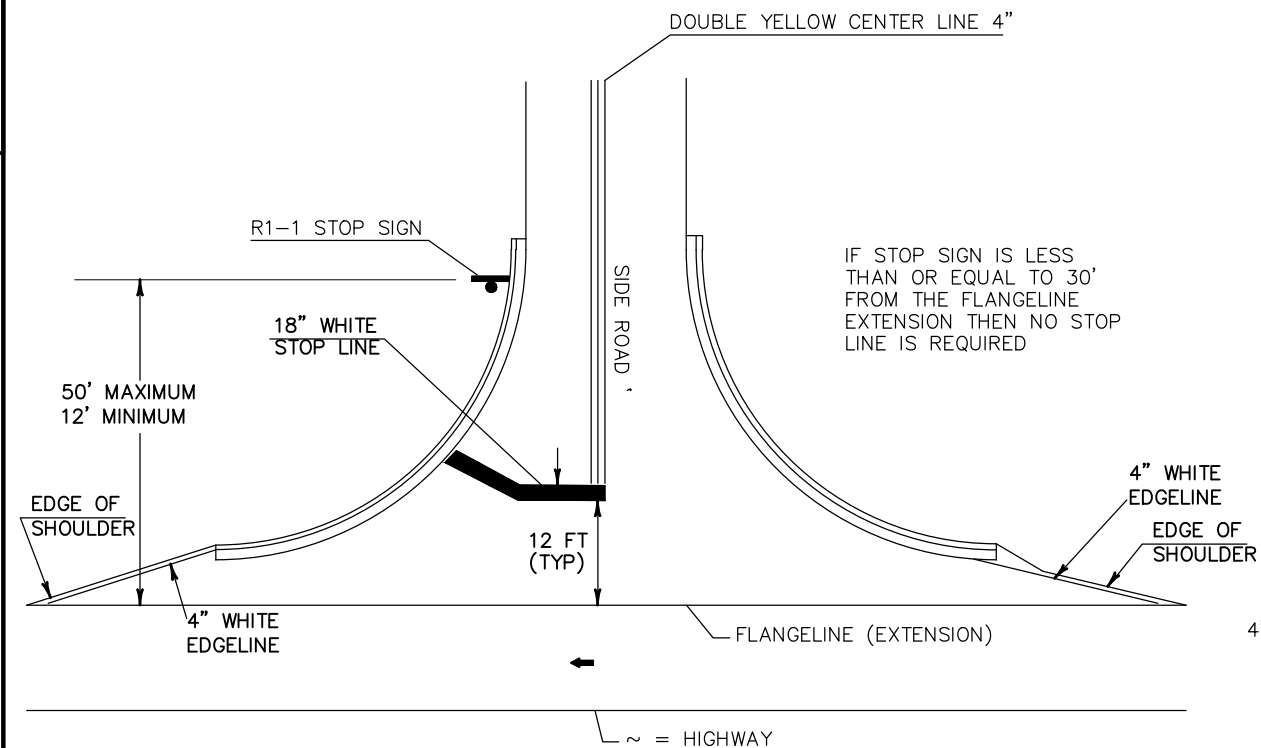
TYPICAL RAMP METER AND HOV LANE MARKING



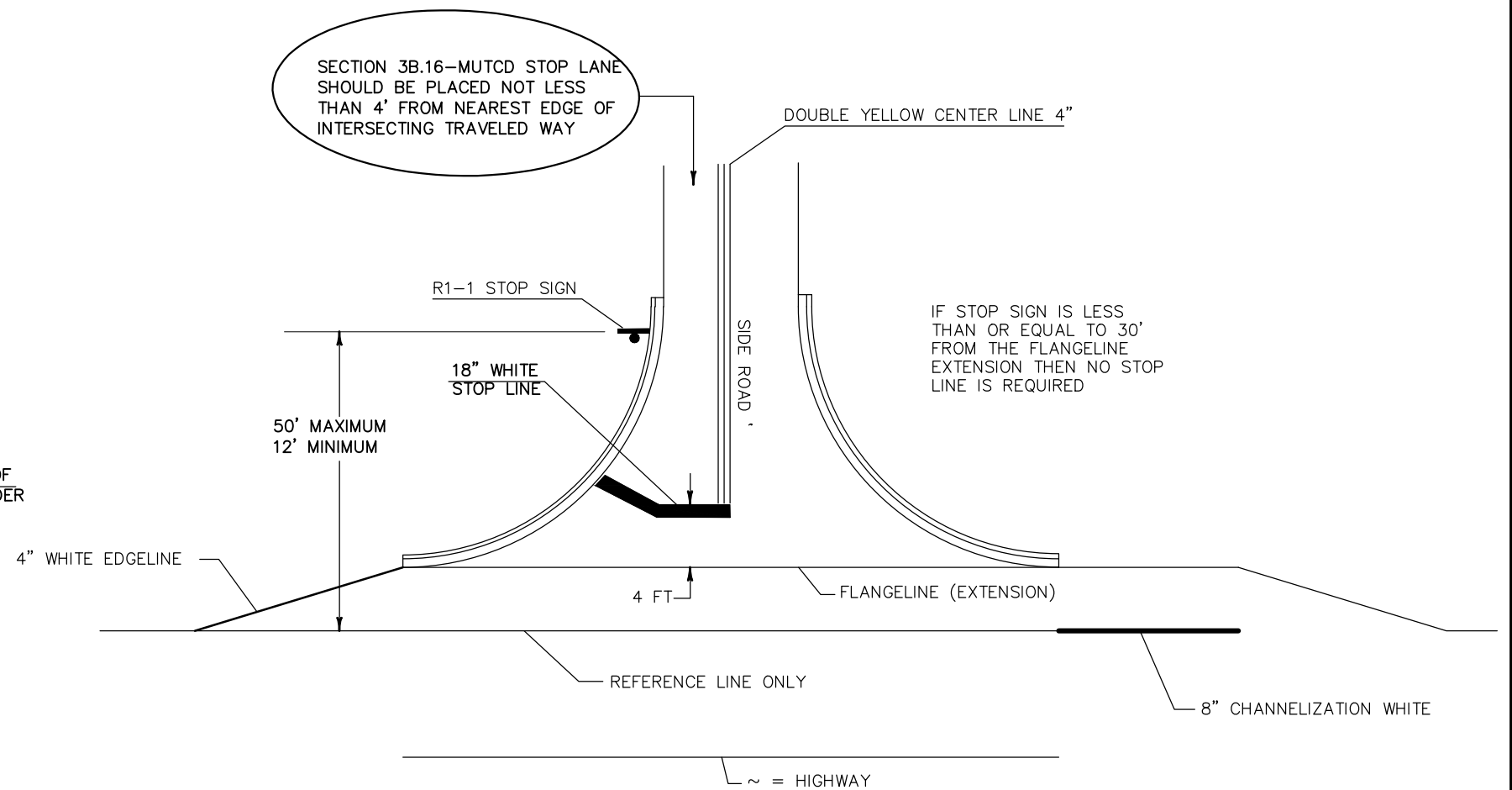
MINOR INTERSECTION WITHOUT CURBS
(TYPICAL MARKING)



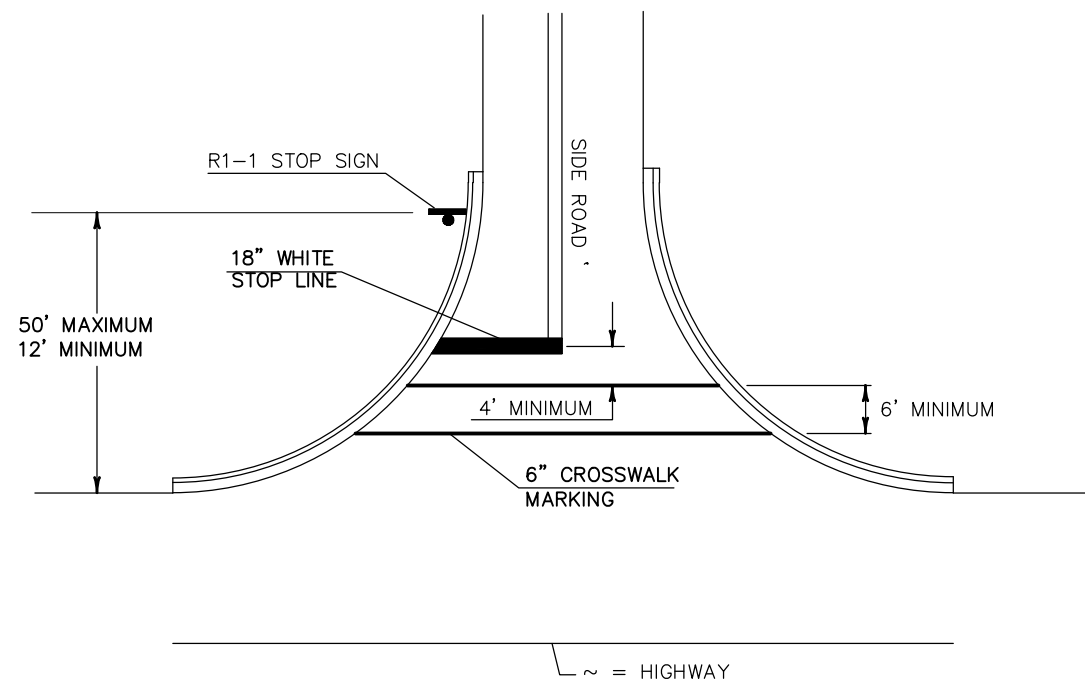
MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



TYPICAL PAVEMENT MARKING FOR SIDEROADS



TYPICAL PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE

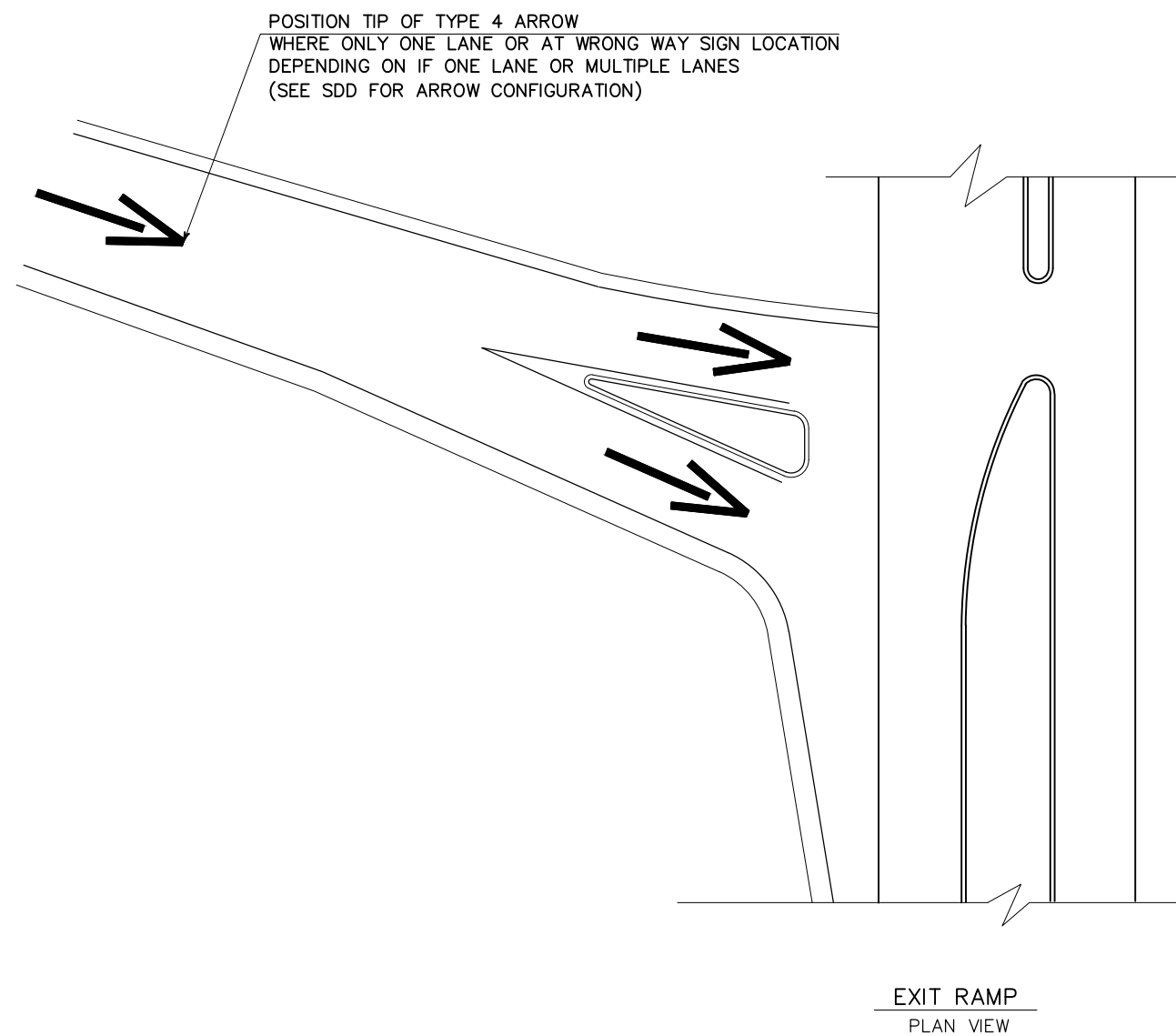


TYPICAL PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

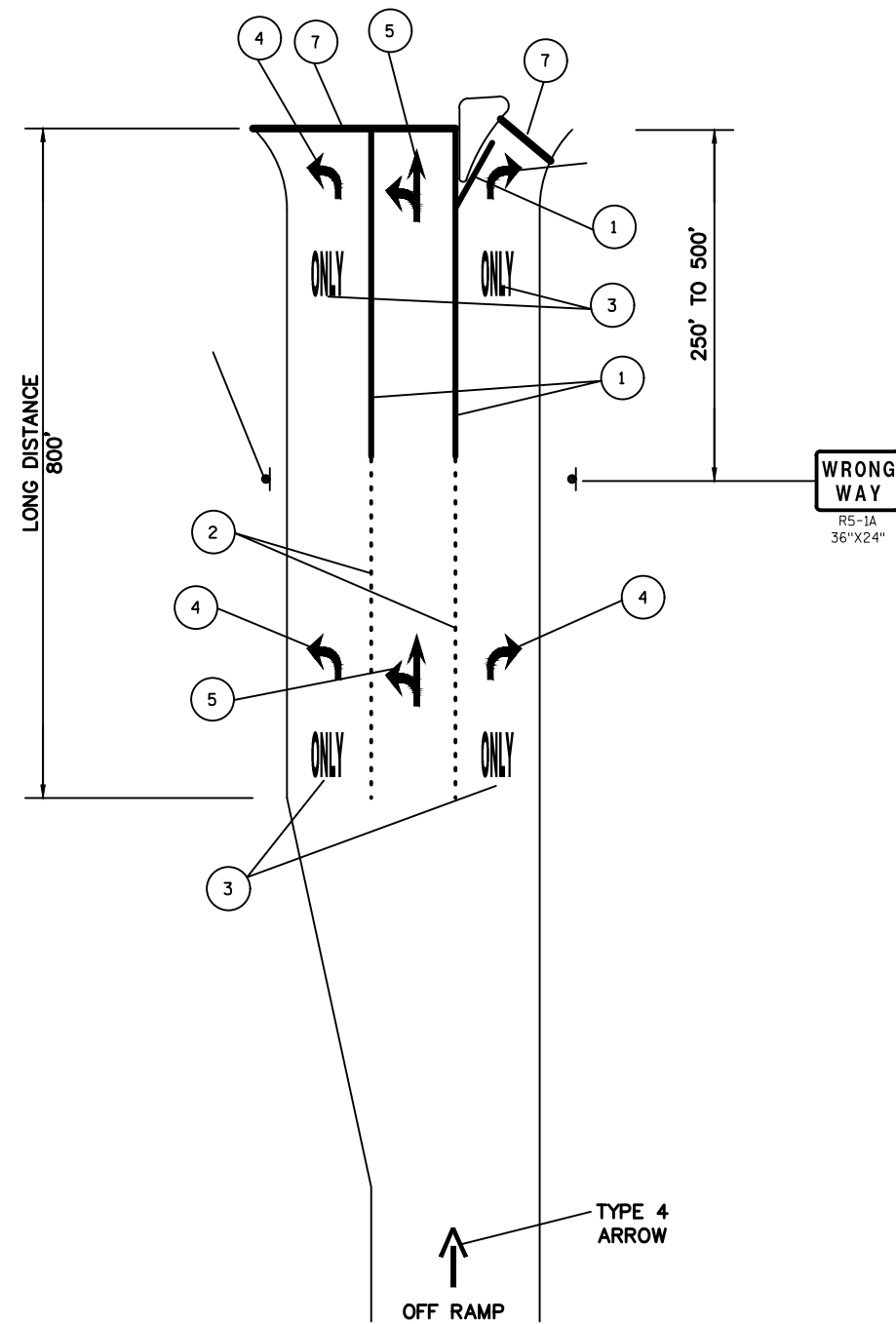
NOTES:
18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.

STOP LINES REQUIRED WHERE:

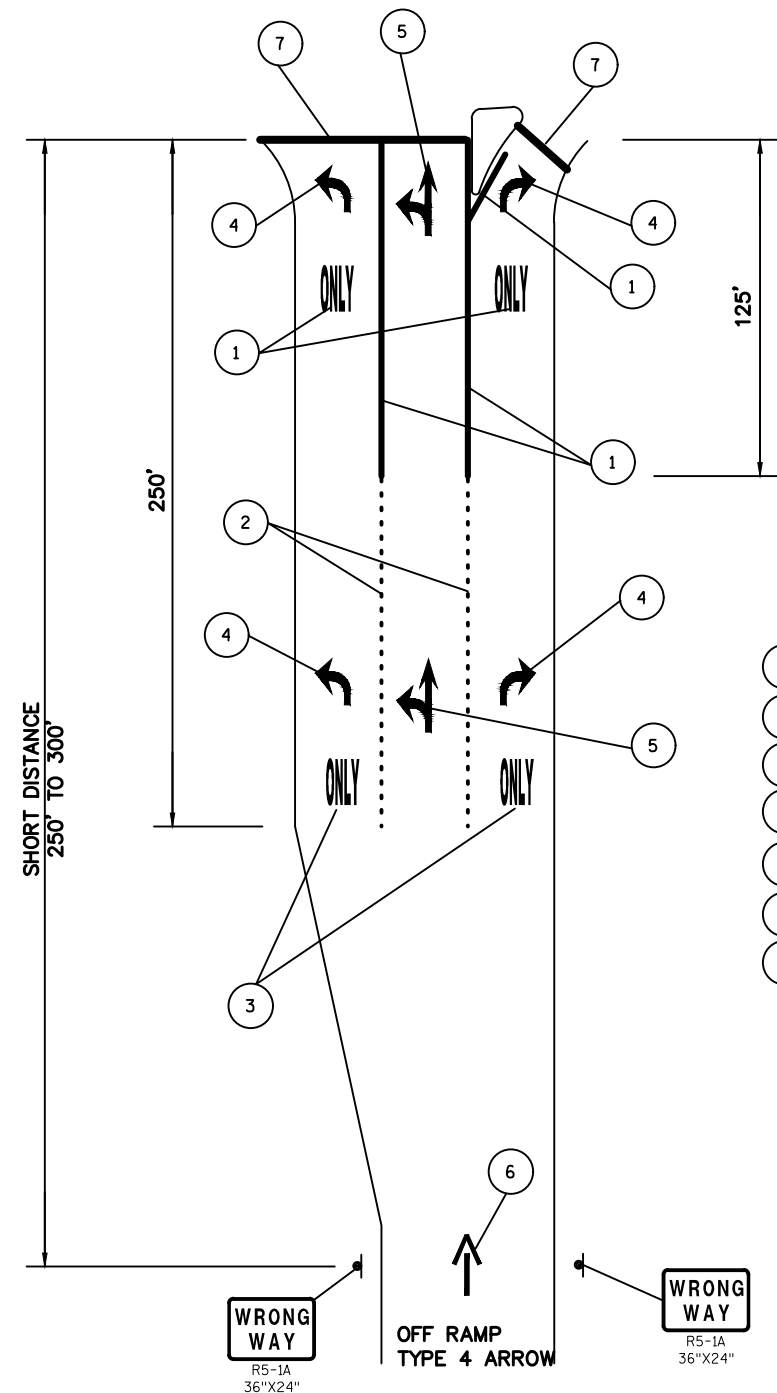
- CROSSWALK MARKINGS EXIST OR BEING PROVIDED
- LARGE RADII
- OFFSET LEFT TURNS WHERE STOP BAR FOR LEFT TURN IS SET BACK FROM THRU MOVEMENT.



(RAMPS & ARROWS)

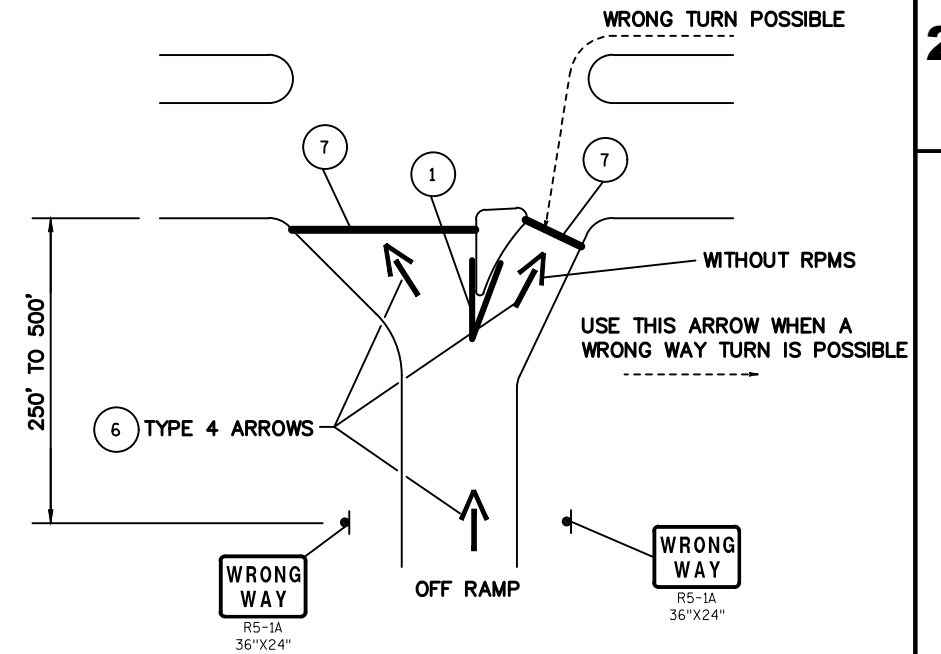


**EXIT RAMP
LONG TURN LANES**

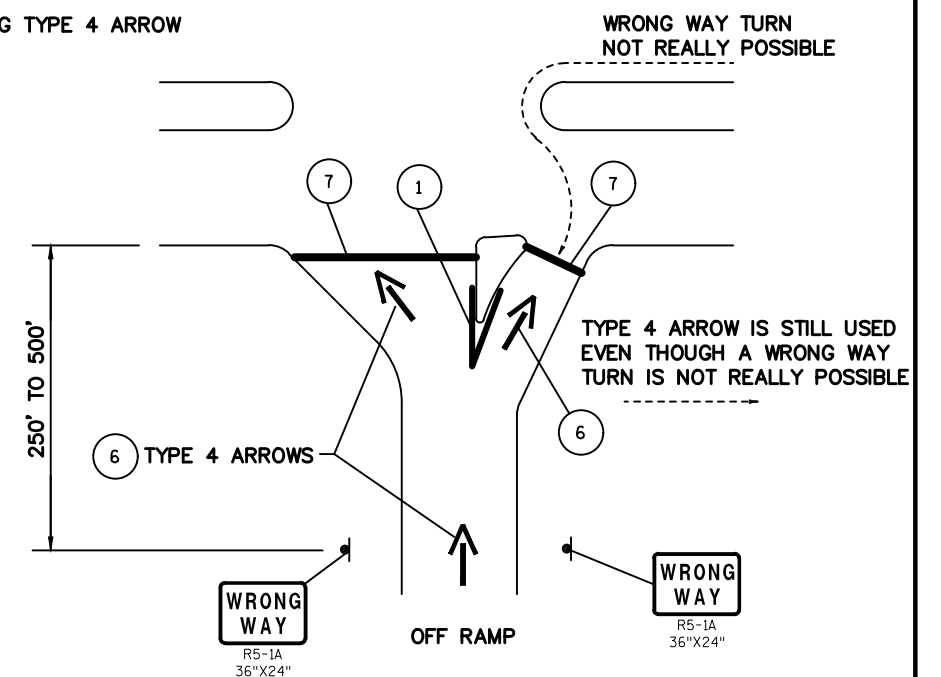


**EXIT RAMP
250' OR SHORTER TURN LANES**

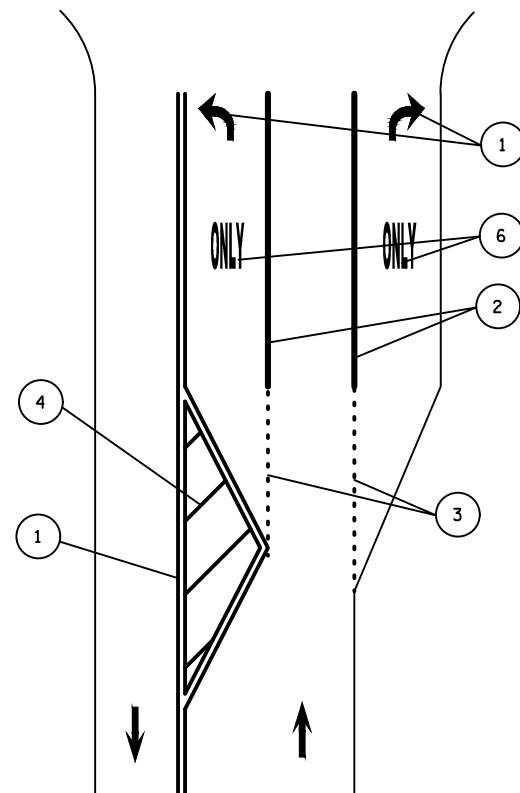
- LEGEND**
- 1 PAVEMENT MARKING 8" CHANNELIZING WHITE
 - 2 PAVEMENT MARKING 8" WHITE (3' LINE, 9' SPACE)
 - 3 PAVEMENT MARKING WORDS
 - 4 PAVEMENT MARKING TYPE 2 ARROW
 - 5 PAVEMENT MARKING TYPE 3 ARROW
 - 6 PAVEMENT MARKING TYPE 4 ARROW
 - 7 18" STOP BAR



**EXIT RAMP
(SIMPLE)**



**EXIT RAMP
(SIMPLE)**

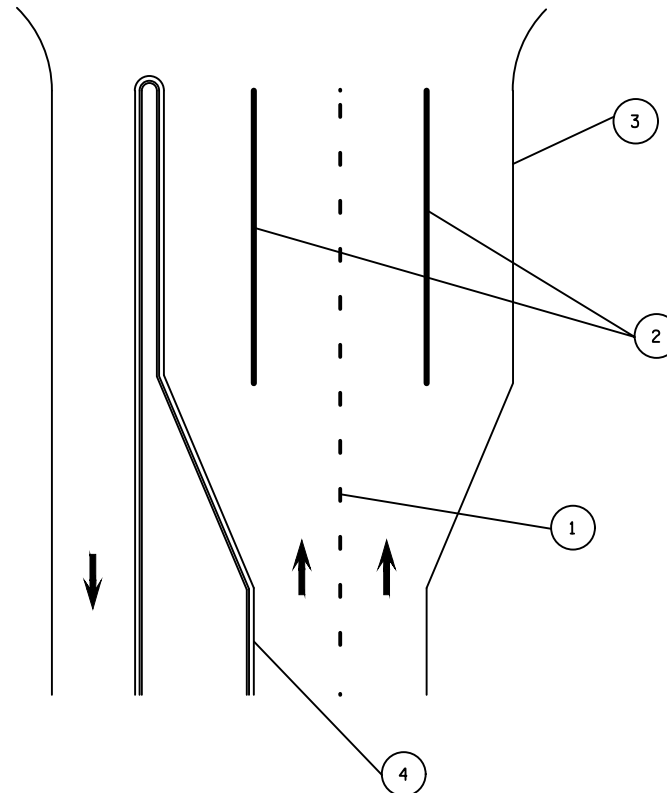


NOTE: IF SIGNALIZED
ADD STOP BAR

**TYPICAL ARROW/ONLY LANE USE MARKINGS
FOR PAINTED CENTERLINE APPLICATION**

LEGEND

- 1 PAVEMENT MARKING 4" DOUBLE YELLOW
- 2 PAVEMENT MARKING 8" CHANNELIZING WHITE
- 3 PAVEMENT MARKING 8" WHITE (3' LINE, 9' SPACE)
- 4 PAVEMENT MARKING 12" DIAGONAL YELLOW
- 5 PAVEMENT MARKING TYPE 2 ARROW
- 6 PAVEMENT MARKING WORDS

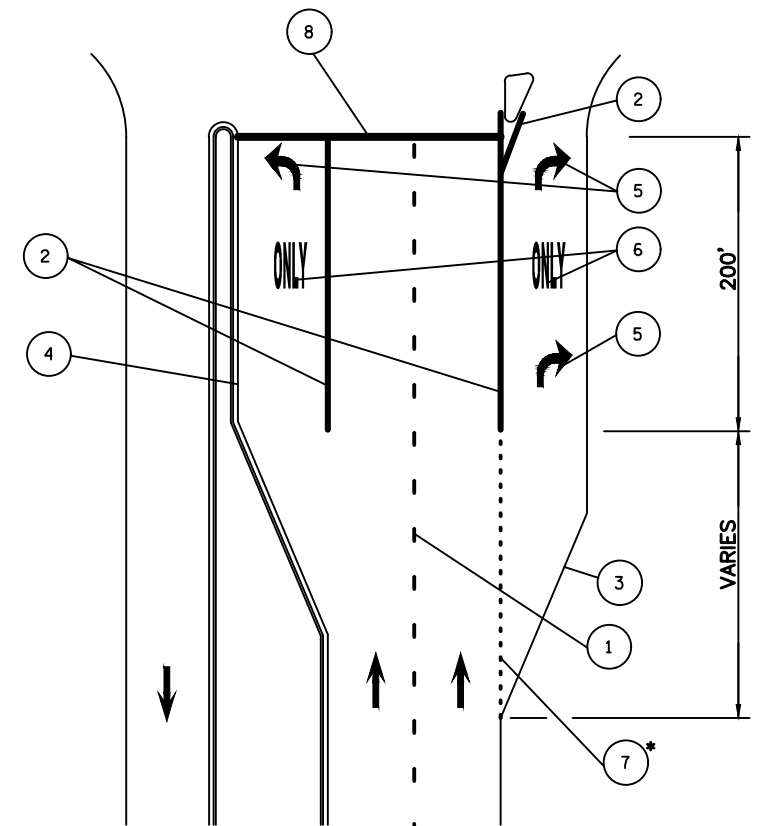


NOTE: IF OUTSIDE SHOULDER
IS NOT CURB & GUTTER THEN
ALWAYS USE EDGETLINE
REGARDLESS OF SPEED LIMIT

**TYPICAL NO ARROW/ONLY TURN LANES
CURB & GUTTER MEDIAN
UNSIGNALIZED SIDEROAD**

LEGEND

- 1 PAVEMENT MARKING 4" LANE LINE WHITE (12.5' LINE, 37.5' SPACE)
- 2 PAVEMENT MARKING 8" CHANNELIZING WHITE
- 3 PAVEMENT MARKING 4" WHITE EDGETLINE 45 MPH & GREATER
- 4 PAVEMENT MARKING 4" YELLOW EDGETLINE 45 MPH & GREATER



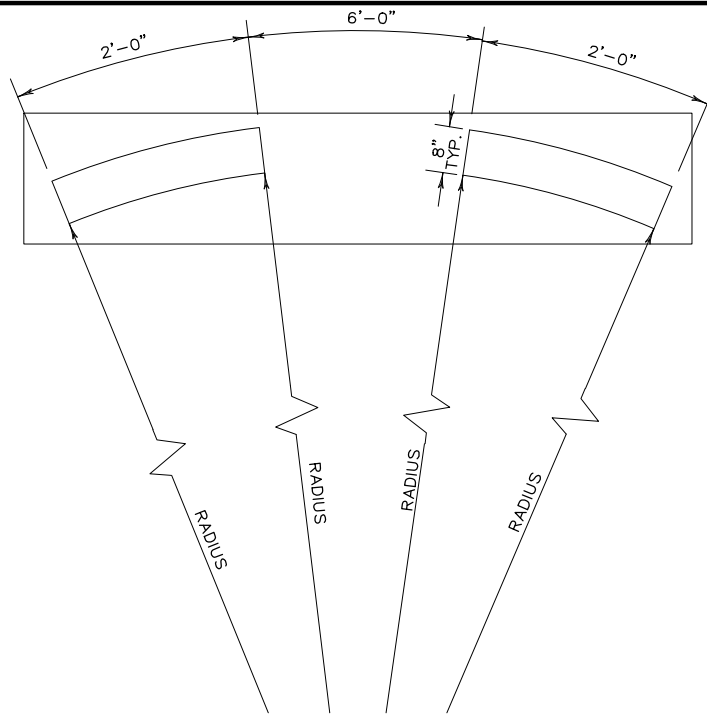
NOTE: SIGNALIZED INTERSECTION

* 7 DOT PATTERN NOT NEEDED
IF CURB & GUTTER UNLESS
ON CURVE

**TYPICAL MARKING AT
SIGNALIZED INTERSECTION
CURB & GUTTER MEDIAN**

LEGEND

- 1 PAVEMENT MARKING 4" LANE LINE WHITE (12.5' LINE, 37.5' SPACE)
- 2 PAVEMENT MARKING 8" CHANNELIZING WHITE
- 3 PAVEMENT MARKING 4" WHITE EDGETLINE 45 MPH & GREATER
- 4 PAVEMENT MARKING 4" YELLOW EDGETLINE 45 MPH & GREATER
- 5 PAVEMENT MARKING TYPE 2 ARROW
- 6 PAVEMENT MARKING WORDS
- 7 PAVEMENT MARKING 8" WHITE (3' LINE, 9' SPACE)
- 8 PAVEMENT MARKING 18" STOP LINE

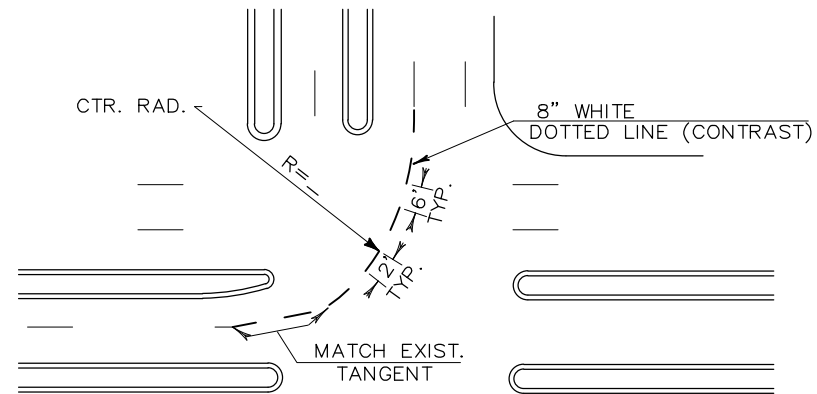


DOTTED TEMPLATE

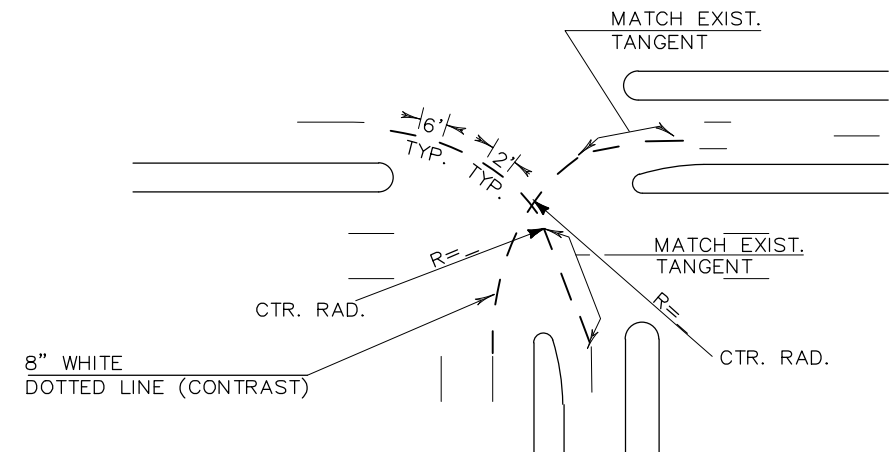
NOTE: CONTRACTOR TO BUILD TEMPLATE BASED ON RADIUS SHOWN.
TEMPLATES ARE TO BE CONSTRUCTED OF PLYWOOD, PLASTIC, OR
SUITABLE MATERIAL APPROVED BY THE ENGINEER IN THE FIELD.

DESIGNER NOTE: ESTABLISH RADIUS FOR DUAL LEFT MARKING
PROVIDE R=VALUE IN SPECIFIC CASE

INTERSECTING HIGHWAYS (DOTTED PATTERN) DOUBLE LEFT-TURNING MOVEMENTS



INTERSECTING HIGHWAYS (DOTTED PATTERN) DOUBLE LEFT-TURNING MOVEMENTS

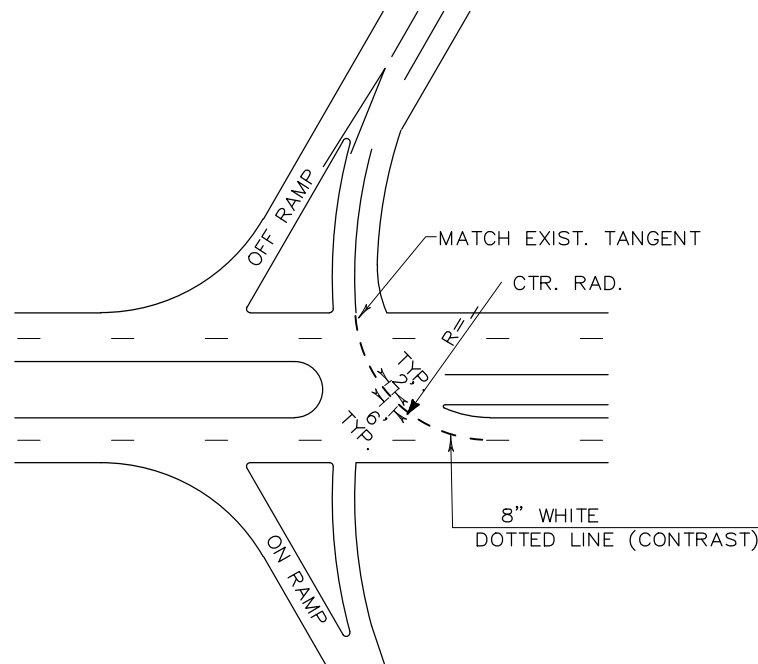


GENERAL NOTES

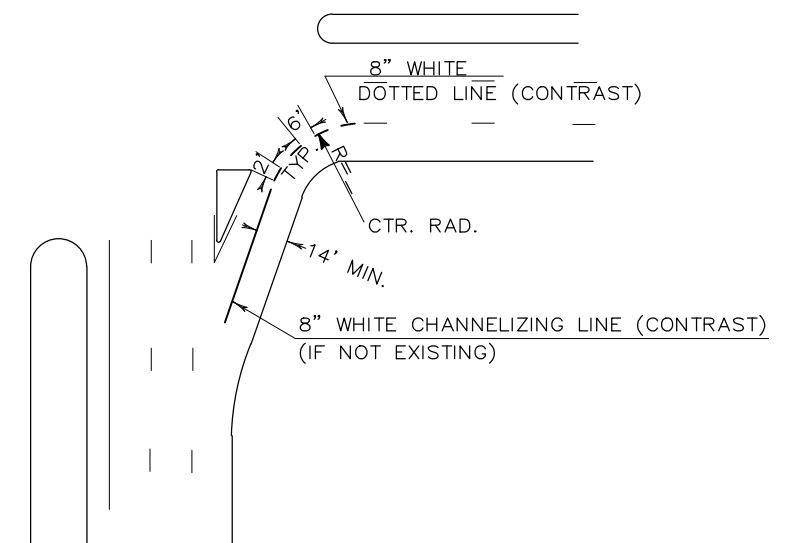
1. DOTTED PAVEMENT MARKING PATTERNS SHALL BE INSTALLED WITH A 2-FOOT SEGMENT AND A 6-FOOT GAP.
2. EXISTING MARKINGS THRU INTERSECTIONS DO NOT ALWAYS HAVE THE 2-FOOT X 6-FOOT CYCLE. IF THE EXISTING MARKINGS ARE OF THE 5-FOOT CYCLE, THEY WILL BE BRUSH PLASTED AND PAVEMENT MARKED WITH A 380 WR TAPE GROOVED IN.

IF THE EXISTING MARKINGS ARE NOT OF THE 2-FOOT CYCLE, THE CONTRACTOR WILL LAY OUT THE NEW MARKINGS, PREPARE THE EXISTING PAVMENT BY BRUSH PLASTING, AND A 380 WR TAPE PAVEMENT MARK THE NEW CYCLE.
3. IF THE DOTTED PAVEMENT MARKINGS ARE NON-EXISTING, THE CONTRACTOR SHALL LAY OUT THE RADIUS, AS BEING USED BY THE PRESENT TRAFFIC, WITH THE MINIMUM LANE WIDTHS AS SHOWN ON THE PLANS.
4. THE CONTRACTOR SHALL CONSTRUCT AND USE ONE OF THE TWO DOTTED TEMPLATES WHICH MOST CLOSELY MATCH THE FIELD CONDITIONS.
5. THE CONTRACTOR SHALL PROTECT THE TAPE LINES UNTIL DRY, BY THE USE OF TRAFFIC CONTROLS AND TRAFFIC CONES AS SHOWN ON THE TRAFFIC CONTROL PLANS.

FREEWAY EXIT RAMP (DOTTED PATTERN) DOUBLE LEFT-TURNING MOVEMENTS

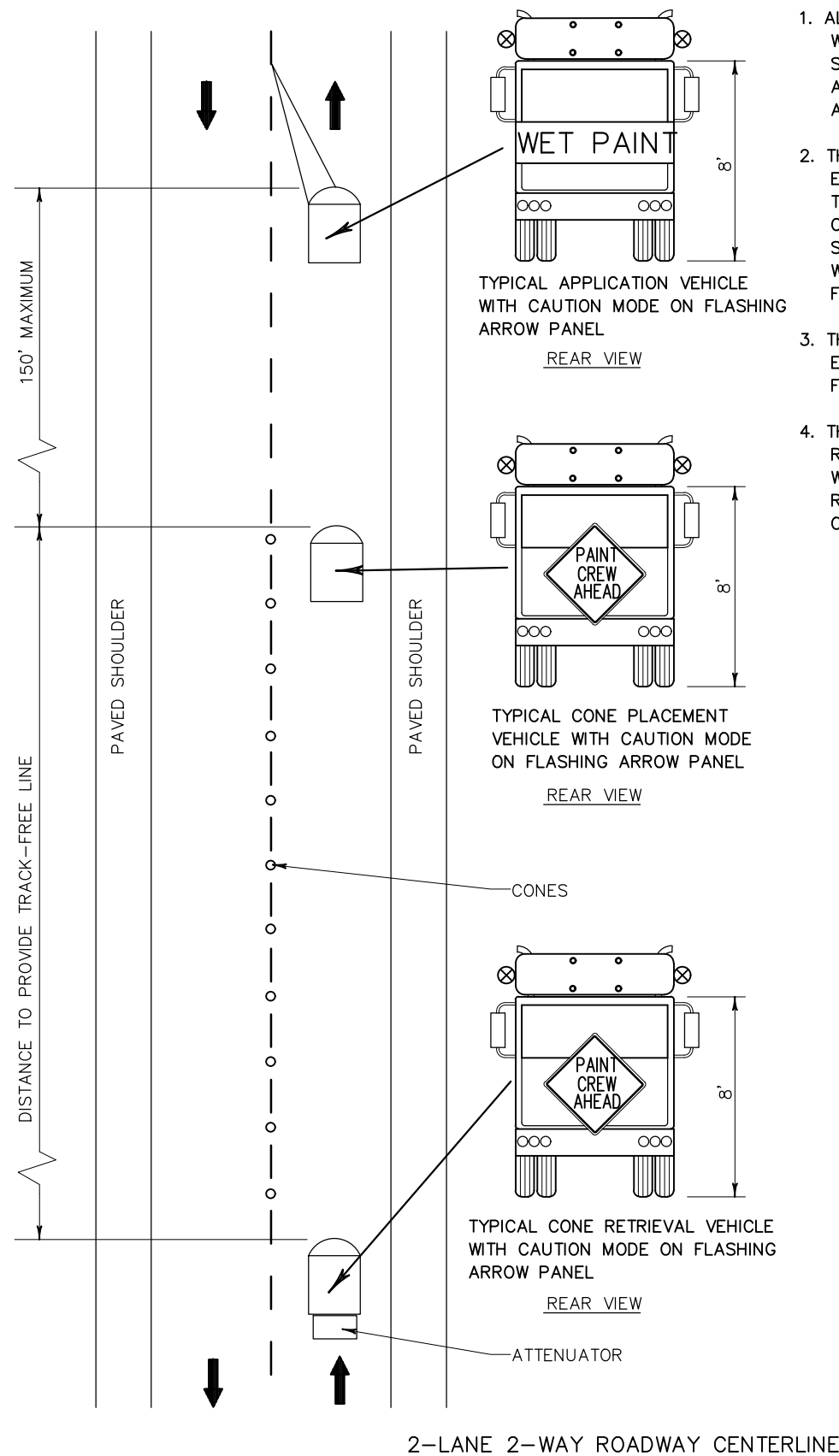


INTERSECTIONS & EXIT RAMP (DOTTED PATTERN) DOUBLE RIGHT-TURNING MOVEMENTS

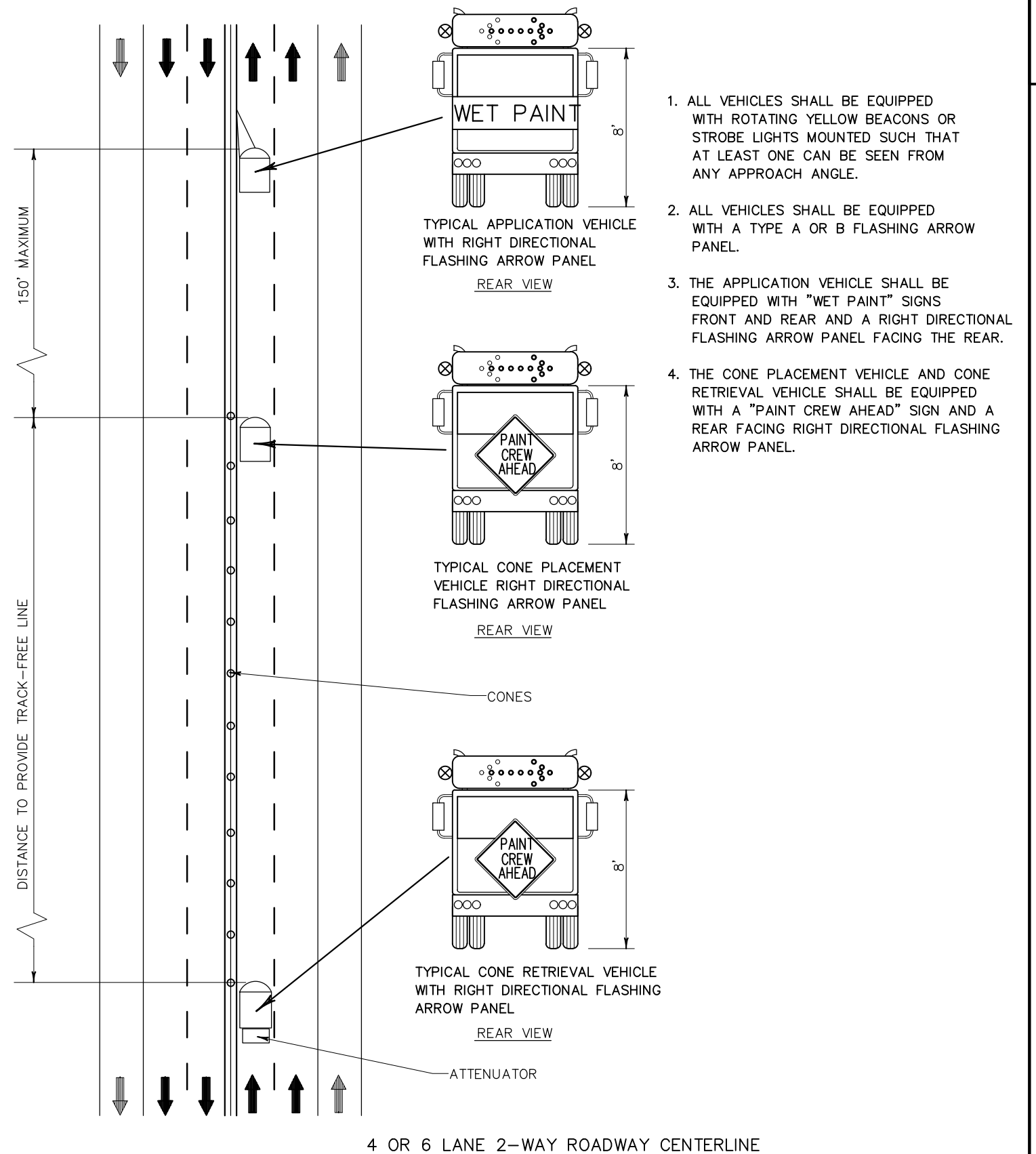
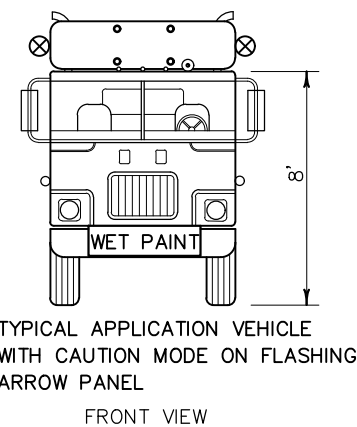


STANDARD DETAIL DRAWINGS

15C 12-6 TRAFFIC CONTROL FOR LANE CLOSURES
(SUITABLE FOR MOVING OPERATIONS)



1. ALL VEHICLES SHALL BE EQUIPPED WITH ROTATING YELLOW BEACONS OR STROBE LIGHTS MOUNTED SUCH THAT AT LEAST ONE CAN BE SEEN FROM ANY APPROACH ANGLE.
2. THE APPLICATION VEHICLE SHALL BE EQUIPPED WITH FRONT AND REAR FACING TYPE A OR B FLASHING ARROW PANELS OPERATING IN CAUTION MODE. ALL SUBSEQUENT VEHICLES SHALL BE EQUIPPED WITH A REAR FACING TYPE A OR B FLASHING ARROW PANEL.
3. THE APPLICATION VEHICLE SHALL BE EQUIPPED WITH "WET PAINT" SIGNS FRONT AND REAR.
4. THE CONE PLACEMENT VEHICLE AND CONE RETRIEVAL VEHICLE SHALL BE EQUIPPED WITH A "PAINT CREW AHEAD" SIGN AND A REAR FACING FLASHING ARROW PANEL OPERATING IN CAUTION MODE.



1. ALL VEHICLES SHALL BE EQUIPPED WITH ROTATING YELLOW BEACONS OR STROBE LIGHTS MOUNTED SUCH THAT AT LEAST ONE CAN BE SEEN FROM ANY APPROACH ANGLE.
2. ALL VEHICLES SHALL BE EQUIPPED WITH A TYPE A OR B FLASHING ARROW PANEL.
3. THE APPLICATION VEHICLE SHALL BE EQUIPPED WITH "WET PAINT" SIGNS FRONT AND REAR AND A RIGHT DIRECTIONAL FLASHING ARROW PANEL FACING THE REAR.
4. THE CONE PLACEMENT VEHICLE AND CONE RETRIEVAL VEHICLE SHALL BE EQUIPPED WITH A "PAINT CREW AHEAD" SIGN AND A REAR FACING RIGHT DIRECTIONAL FLASHING ARROW PANEL.

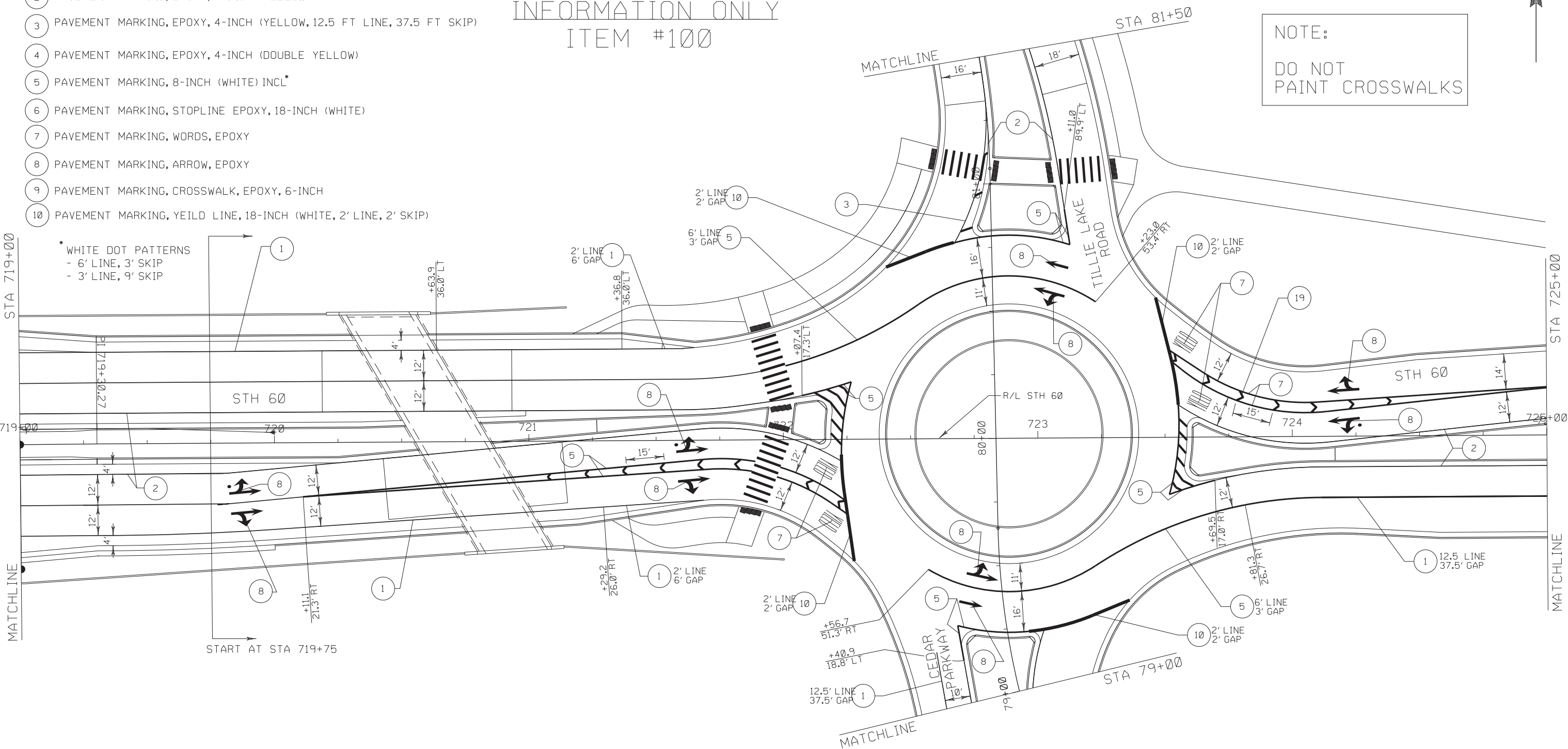
LEGEND

- 1 PAVEMENT MARKING, EPOXY, 4-INCH (WHITE)
- 2 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW)
- 3 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW, 12.5 FT LINE, 37.5 FT SKIP)
- 4 PAVEMENT MARKING, EPOXY, 4-INCH (DOUBLE YELLOW)
- 5 PAVEMENT MARKING, 8-INCH (WHITE) INCL*
- 6 PAVEMENT MARKING, STOPLINE EPOXY, 18-INCH (WHITE)
- 7 PAVEMENT MARKING, WORDS, EPOXY
- 8 PAVEMENT MARKING, ARROW, EPOXY
- 9 PAVEMENT MARKING, CROSSWALK, EPOXY, 6-INCH
- 10 PAVEMENT MARKING, YEILD LINE, 18-INCH (WHITE, 2' LINE, 2' SKIP)

* WHITE DOT PATTERNS
- 6' LINE, 3' SKIP
- 3' LINE, 9' SKIP

INFORMATION ONLY
ITEM #1000

NOTE:
DO NOT
PAINT CROSSWALKS



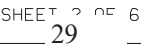


NOTE:

LOCALS TO
MAINTAIN

- 1 PAVEMENT MARKING, EPOXY, 4-INCH (WHITE)
- 2 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW)
- 3 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW, 12.5 FT LINE, 37.5 FT SKIP)
- 4 PAVEMENT MARKING, EPOXY, 4-INCH (DOUBLE YELLOW)
- 5 PAVEMENT MARKING, 8-INCH (WHITE) INCL*
- 6 PAVEMENT MARKING, STOPLINE EPOXY, 18-INCH (WHITE)
- 7 PAVEMENT MARKING, WORDS, EPOXY
- 8 PAVEMENT MARKING, ARROW, EPOXY
- 9 PAVEMENT MARKING, CROSSWALK, EPOXY, 6-INCH
- 10 PAVEMENT MARKING, YEILD LINE, 18-INCH (WHITE, 2' LINE, 2' SKIP)

* WHITE DOT PATTERNS
- 6' LINE, 3' SKIP
- 3' LINE, 9' SKIP



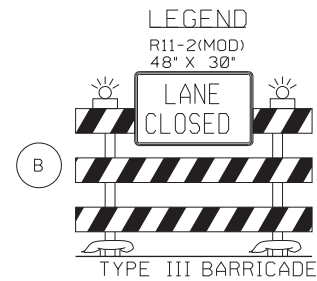
INFORMATION ONLY

ITEM #100

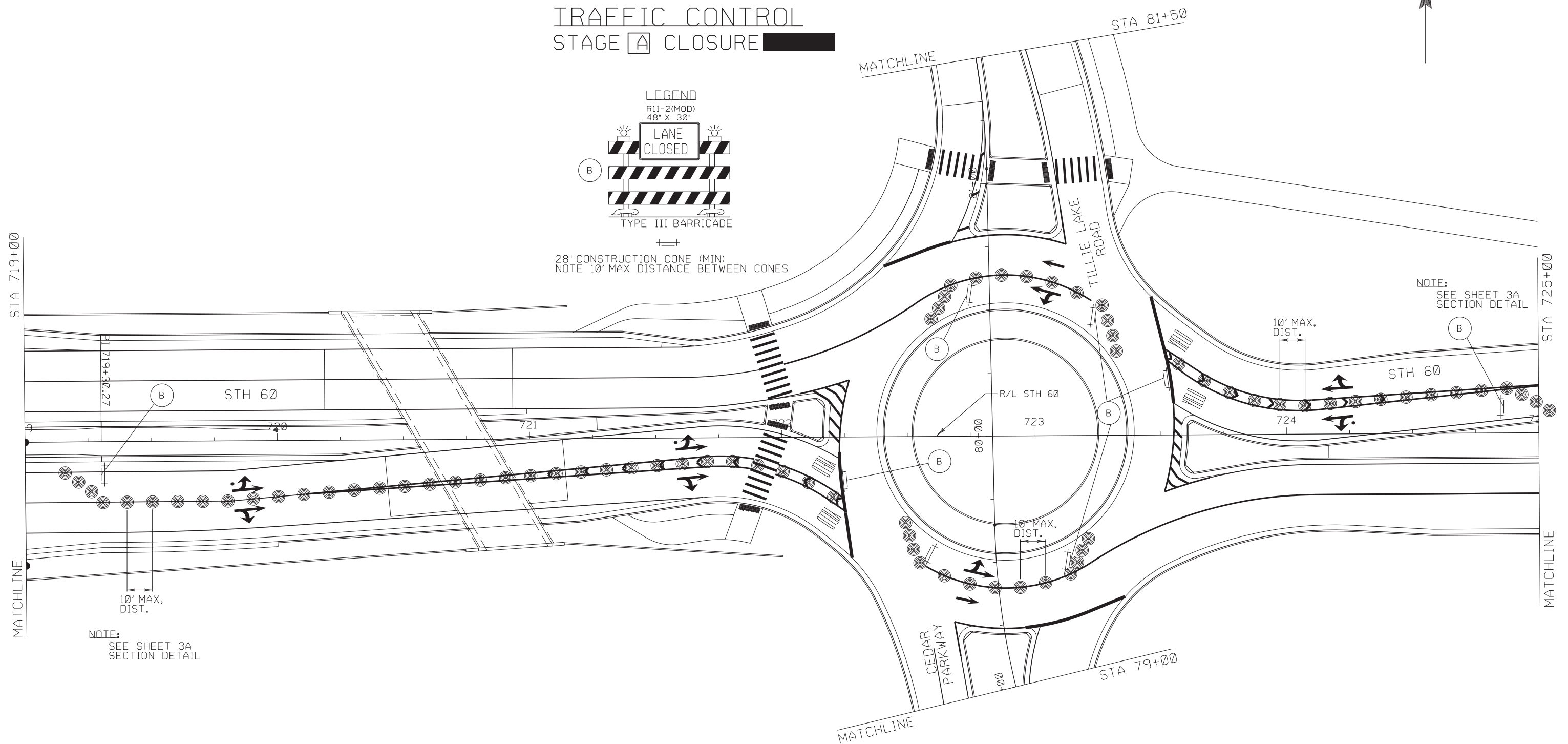
TRAFFIC CONTROL

STAGE [A] CLOSURE

N



28" CONSTRUCTION CONE (MIN)
NOTE 10' MAX DISTANCE BETWEEN CONES



URGENT NOTE:

ALL WORK ZONE TRAFFIC CONTROL OPERATION FOR ALL ROUNDABOUTS USING TYPE III BARRICADE TO CLOSE A LANE OR ROADWAY SHALL BE AIDED WITH:
28 INCH CONES, SIZE FOR CONVENTIONAL ROADWAYS
OR
36 INCH CONES, FOR HIGHWAY AND FREEWAY LOCATIONS

CONTRACTORS WILL DETERMINE (IN THE FIELD) THE ADEQUATE NUMBER OF CONES (28' MINIMAL HEIGHT) TO PROVIDE A SAFE ENVIRONMENT FOR WORKERS AND ROADWAY DRIVERS.

SHEET 3 OF 6

30

PROJECT NO:1000-77-21

HWY: STH 60

COUNTY: WASHINGTON

TEMPORARY TRAFFIC CONTROL

SCALE, FEET

0 20 40

SHEET

E

FILE NAME :\$\$....designfile....\$\$

PLOT DATE : \$\$...plottingdate...\$\$

PLOT BY : \$\$...plotuser...\$\$

PLOT NAME :

PLOT SCALE : \$\$.....plotscale.....\$\$

WISDOT/CADDs SHEET 42

SECTION DETAIL:

STAGE **A** LEFT LANE CLOSE
STAGE **B** RIGHT LANE CLOSE

LEGEND

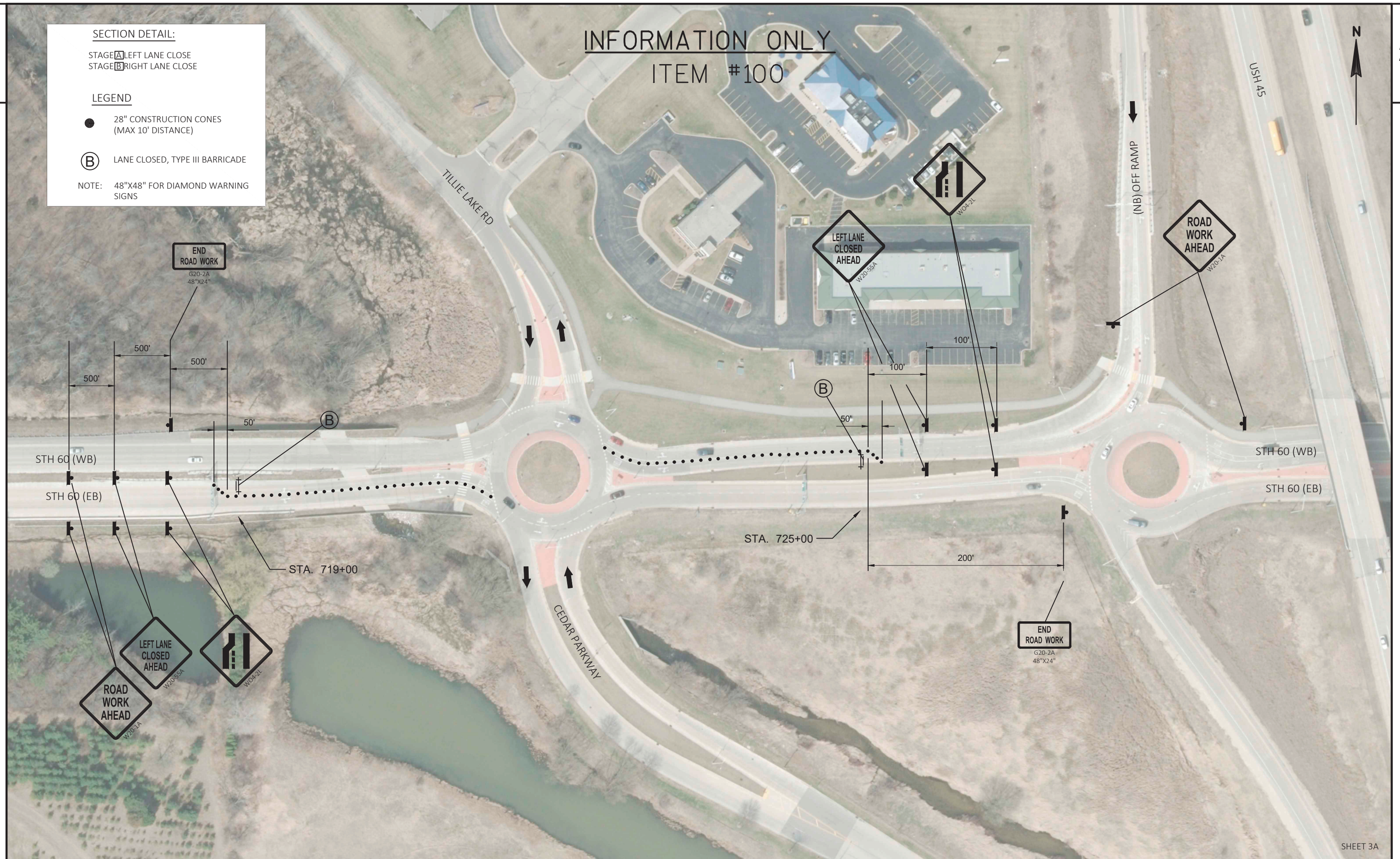
● 28" CONSTRUCTION CONES
(MAX 10' DISTANCE)

ⓑ LANE CLOSED, TYPE III BARRICADE

NOTE: 48"X48" FOR DIAMOND WARNING SIGNS

INFORMATION ONLY

ITEM #100



PROJECT NO: 1000-77-21

HWY: STH 60

COUNTY: WASHINGTON

TRAFFIC CONTROL DETAIL

SHEET

31

E

FILE NAME : N:\PDS\PROJECTS\10007721\PLAN SET\024510_TC.DWG
LAYOUT NAME - 024510_TC

PLOT DATE : 9/29/2020 8:28 AM

PLOT BY : WAGNER, SCOTT H

PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDs SHEET 42

SECTION DETAIL:

STAGE **A** LEFT LANE CLOSE
STAGE **B** RIGHT LANE CLOSE

LEGEND

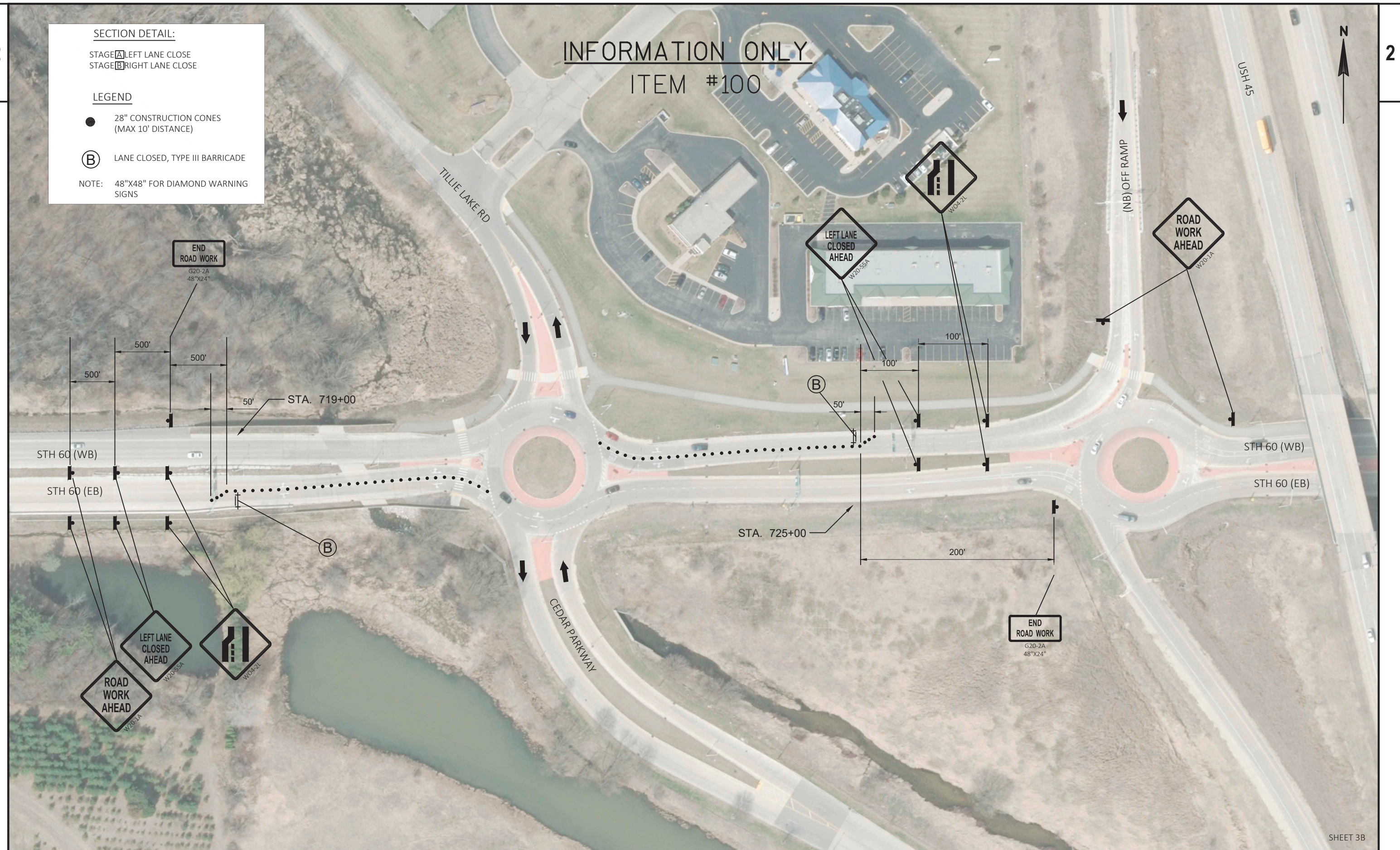
● 28" CONSTRUCTION CONES
(MAX 10' DISTANCE)

ⓑ LANE CLOSED, TYPE III BARRICADE

NOTE: 48"X48" FOR DIAMOND WARNING SIGNS

INFORMATION ONLY

ITEM #100



PROJECT NO: 1000-77-21

HWY: STH 60

COUNTY: WASHINGTON

TRAFFIC CONTROL DETAIL

SHEET

32

E

FILE NAME : N:\PDS\PROJECTS\10007721\PLAN SET\024511_TC.DWG
LAYOUT NAME - 024511_TC

PLOT DATE : 9/29/2020 8:32 AM

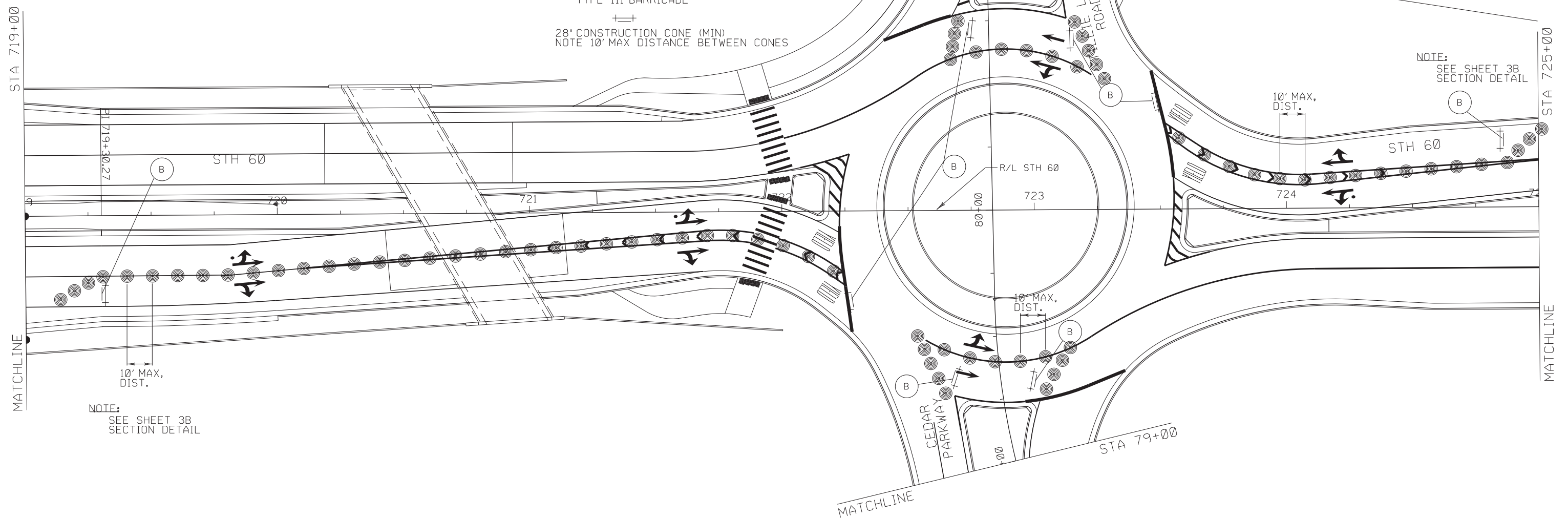
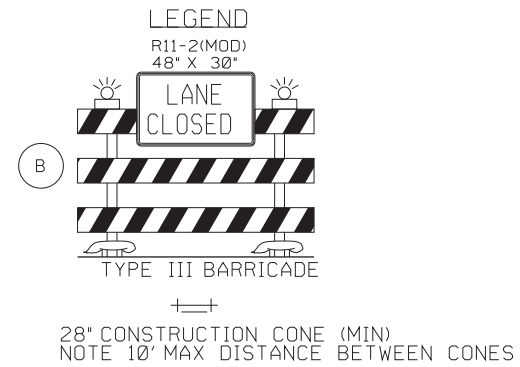
PLOT BY : WAGNER, SCOTT H

PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDs SHEET 42

INFORMATION ONLY
ITEM #100
TRAFFIC CONTROL
STAGE [B] CLOSURE



URGENT NOTE:
ALL WORK ZONE TRAFFIC CONTROL OPERATION FOR ALL ROUNDABOUTS USING TYPE III BARRICADE
TO CLOSE A LANE OR ROADWAY SHALL BE AIDED WITH:
28 INCH CONES, SIZE FOR CONVENTIONAL ROADWAYS
OR
36 INCH CONES, FOR HIGHWAY AND FREEWAY LOCATIONS
CONTRACTORS WILL DETERMINE (IN THE FIELD) THE ADEQUATE NUMBER OF CONES (28' MINIMAL HEIGHT)
TO PROVIDE A SAFE ENVIRONMENT FOR WORKERS AND ROADWAY DRIVERS.

SHEET 4 OF 6
33

PROJECT NO:1000-77-21

HWY: STH 60

COUNTY: WASHINGTON

TEMPORARY TRAFFIC CONTROL

SCALE, FEET

SHEET

E

FILE NAME :\$\$....designfile....\$\$

PLOT DATE : \$\$...plottingdate...\$\$

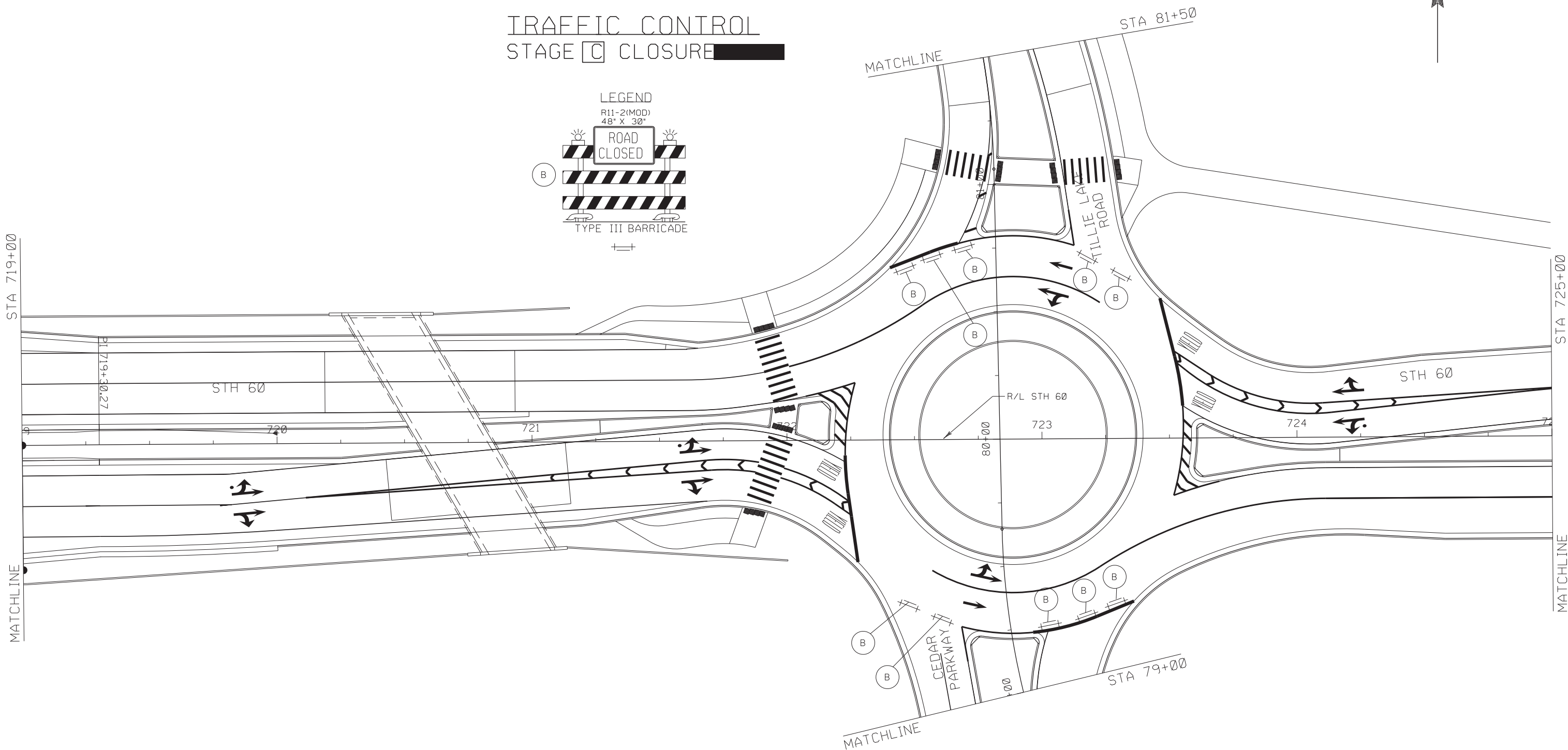
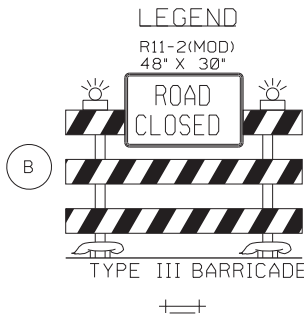
PLOT BY : \$\$...plotuser...\$\$

PLOT NAME :

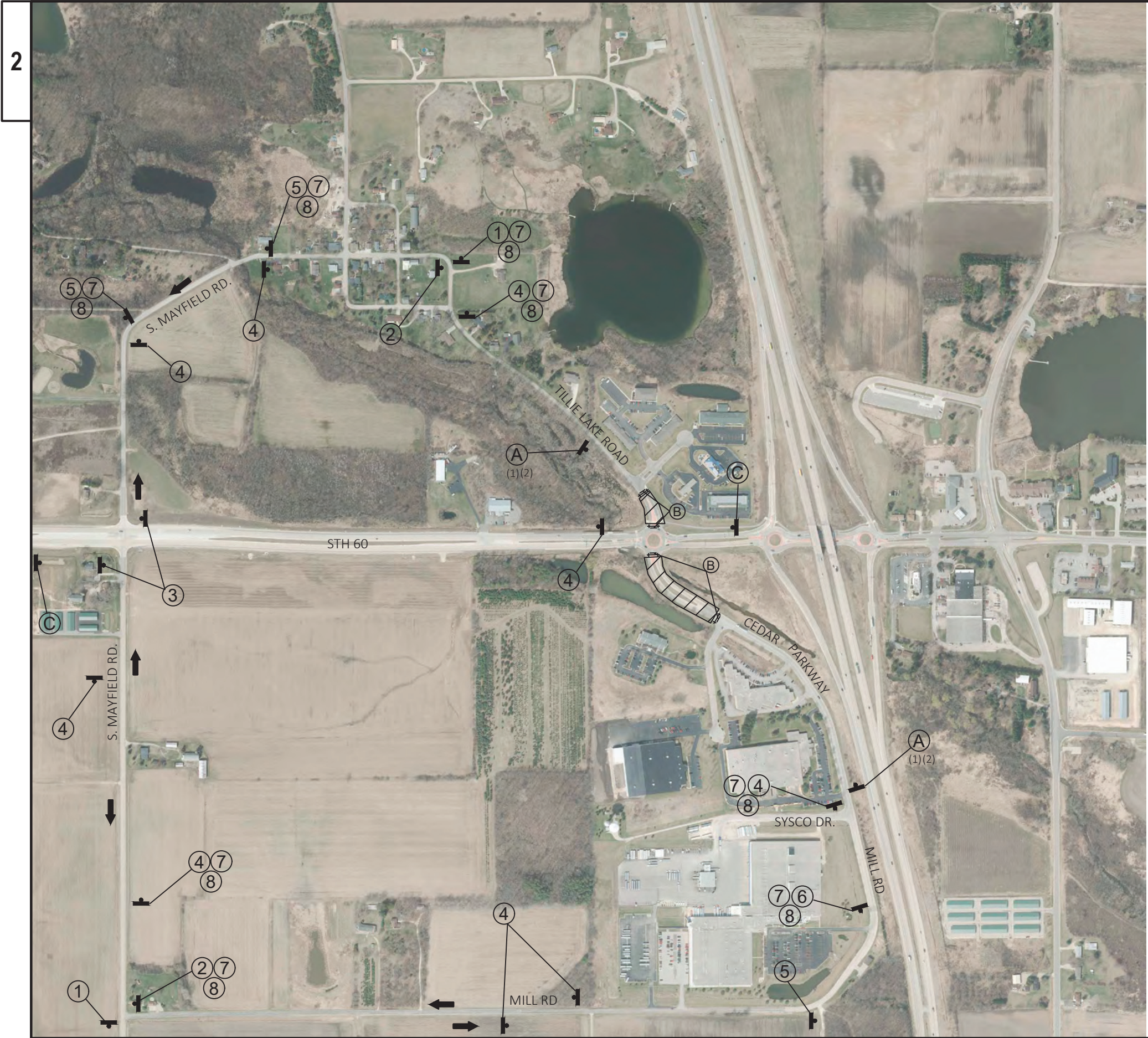
PLOT SCALE : \$\$.....plotscale.....\$\$

WISDOT/CADDs SHEET 42

INFORMATION ONLY
ITEM #100
TRAFFIC CONTROL
STAGE C CLOSURE



URGENT NOTE:
ALL WORK ZONE TRAFFIC CONTROL OPERATION FOR ALL ROUNDABOUTS USING TYPE III BARRICADE
TO CLOSE A LANE OR ROADWAY SHALL BE AIDED WITH:
28 INCH CONES, SIZE FOR CONVENTIONAL ROADWAYS
OR
36 INCH CONES, FOR HIGHWAY AND FREEWAY LOCATIONS
CONTRACTORS WILL DETERMINE (IN THE FIELD) THE ADEQUATE NUMBER OF CONES (28' MINIMAL HEIGHT)
TO PROVIDE A SAFE ENVIRONMENT FOR WORKERS AND ROADWAY DRIVERS.



INFORMATION ONLY

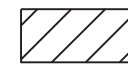
ITEM #100

STH 60 & TILLIE LAKE RD (ROUNDAABOUT)

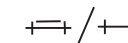
DETOUR FOR TRAFFIC CONTROL

CLOSURE

LEGEND



WORK ZONE



BARRICADES TYPE III WITHOUT,
WITH SIGN (8' EQUIVALENT)



POST MOUNTED SIGN



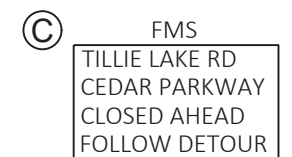
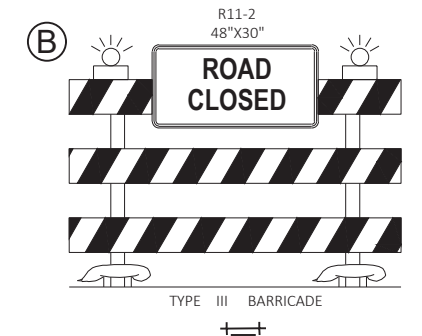
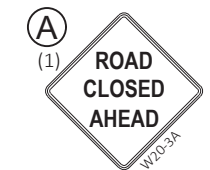
DIRECTION OF TRAFFIC



TYPE 'A' LOW INTENSITY
FLASHING WARNING LIGHTS

SIGN LEGEND

- ① DETOUR
M4-9L
30"x24"
- ② DETOUR
M4-9R
30"x24"
- ③ DETOUR
M4-9L (MOD)
30"x24"
- ④ DETOUR
M4-9L (MOD)
30"x24"
- ⑤
M5-2L
30"x24"
- ⑥
M5-2R
30"x24"
- ⑦ 60
M1-6
24"x24"
- ⑧ TO
M4-5
24"x12"

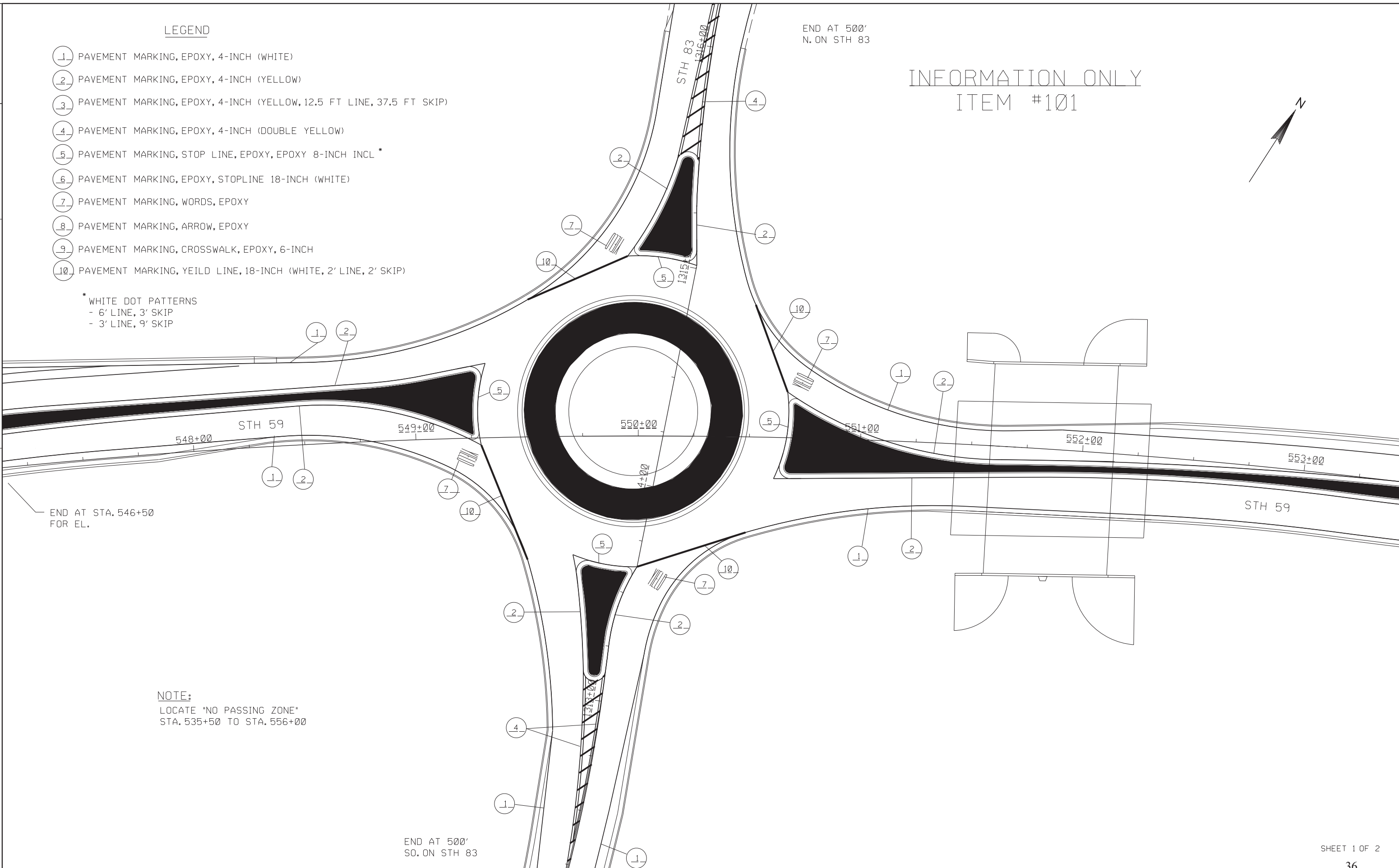


LEGEND

- 1. PAVEMENT MARKING, EPOXY, 4-INCH (WHITE)
- 2. PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW)
- 3. PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW, 12.5 FT LINE, 37.5 FT SKIP)
- 4. PAVEMENT MARKING, EPOXY, 4-INCH (DOUBLE YELLOW)
- 5. PAVEMENT MARKING, STOP LINE, EPOXY, EPOXY 8-INCH INCL *
- 6. PAVEMENT MARKING, EPOXY, STOPLINE 18-INCH (WHITE)
- 7. PAVEMENT MARKING, WORDS, EPOXY
- 8. PAVEMENT MARKING, ARROW, EPOXY
- 9. PAVEMENT MARKING, CROSSWALK, EPOXY, 6-INCH
- 10. PAVEMENT MARKING, YEILD LINE, 18-INCH (WHITE, 2' LINE, 2' SKIP)

* WHITE DOT PATTERNS
- 6' LINE, 3' SKIP
- 3' LINE, 9' SKIP

INFORMATION ONLY
ITEM #101



END AT STA. 546+50
FOR EL.

NOTE:
LOCATE "NO PASSING ZONE"
STA. 535+50 TO STA. 556+00

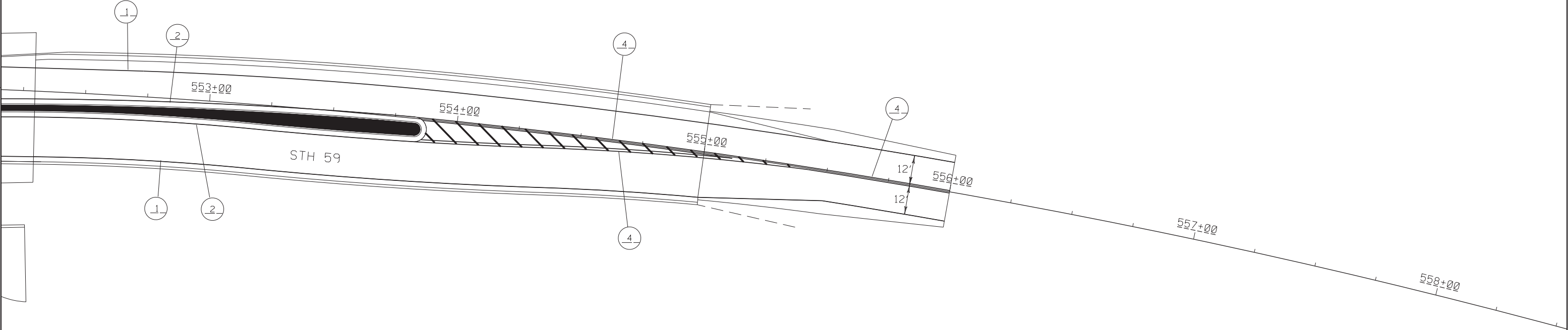
END AT 500'
SO. ON STH 83

LEGEND

- 1 PAVEMENT MARKING, EPOXY, 4-INCH (WHITE)
- 2 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW)
- 3 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW, 12.5 FT LINE, 37.5 FT SKIP)
- 4 PAVEMENT MARKING, EPOXY, 4-INCH (DOUBLE YELLOW)
- 5 PAVEMENT MARKING, STOP LINE, EPOXY, EPOXY 8-INCH INCL *
- 6 PAVEMENT MARKING, EPOXY, STOPLINE 18-INCH (WHITE)
- 7 PAVEMENT MARKING, WORDS, EPOXY
- 8 PAVEMENT MARKING, ARROW, EPOXY
- 9 PAVEMENT MARKING, CROSSWALK, EPOXY, 6-INCH
- 10 PAVEMENT MARKING, YEILD LINE, 18-INCH (WHITE, 2' LINE, 2' SKIP)

* WHITE DOT PATTERNS
- 6' LINE, 3' SKIP
- 3' LINE, 9' SKIP

INFORMATION ONLY
ITEM #101



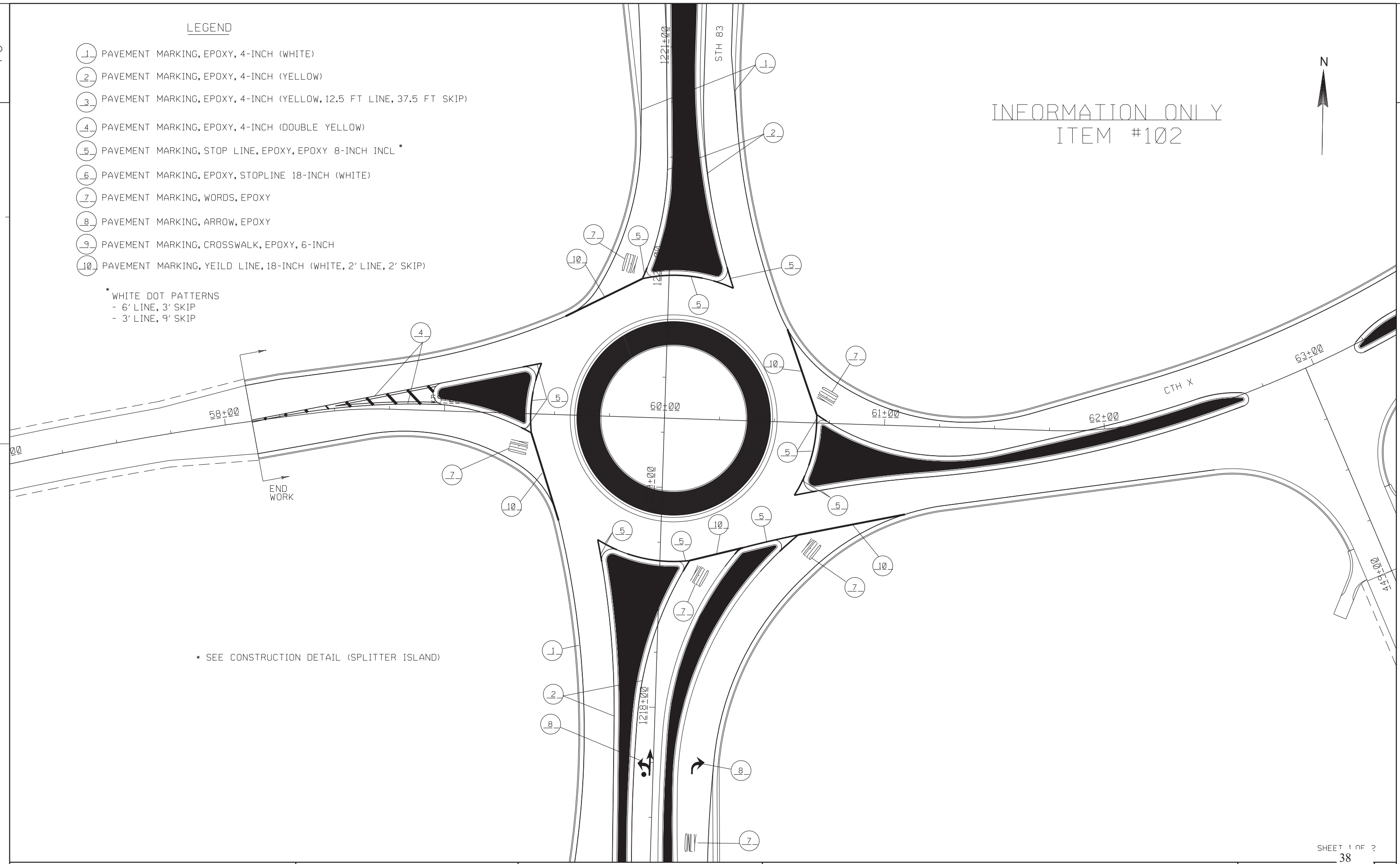
NOTE:
LOCATE "NO PASSING ZONE"
STA. 535+50 TO STA. 556+00

LEGEND

- 1 PAVEMENT MARKING, EPOXY, 4-INCH (WHITE)
- 2 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW)
- 3 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW, 12.5 FT LINE, 37.5 FT SKIP)
- 4 PAVEMENT MARKING, EPOXY, 4-INCH (DOUBLE YELLOW)
- 5 PAVEMENT MARKING, STOP LINE, EPOXY, EPOXY 8-INCH INCL *
- 6 PAVEMENT MARKING, EPOXY, STOPLINE 18-INCH (WHITE)
- 7 PAVEMENT MARKING, WORDS, EPOXY
- 8 PAVEMENT MARKING, ARROW, EPOXY
- 9 PAVEMENT MARKING, CROSSWALK, EPOXY, 6-INCH
- 10 PAVEMENT MARKING, YEILD LINE, 18-INCH (WHITE, 2' LINE, 2' SKIP)

* WHITE DOT PATTERNS
- 6' LINE, 3' SKIP
- 3' LINE, 9' SKIP

INFORMATION ONLY
ITEM #102



LEGEND

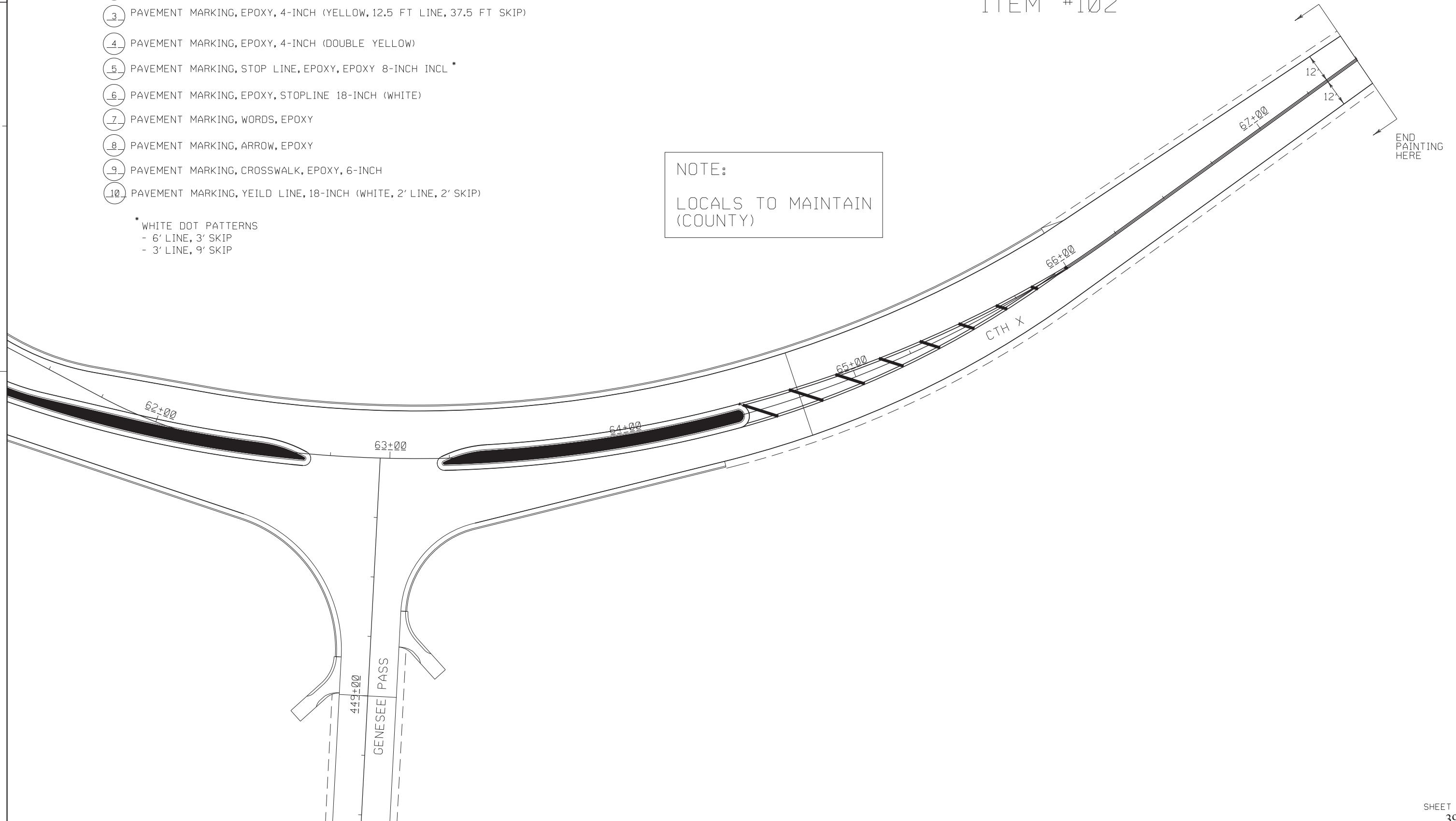
- 1 PAVEMENT MARKING, EPOXY, 4-INCH (WHITE)
2 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW)
3 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW, 12.5 FT LINE, 37.5 FT SKIP)
4 PAVEMENT MARKING, EPOXY, 4-INCH (DOUBLE YELLOW)
5 PAVEMENT MARKING, STOP LINE, EPOXY, EPOXY 8-INCH INCL *
6 PAVEMENT MARKING, EPOXY, STOPLINE 18-INCH (WHITE)
7 PAVEMENT MARKING, WORDS, EPOXY
8 PAVEMENT MARKING, ARROW, EPOXY
9 PAVEMENT MARKING, CROSSWALK, EPOXY, 6-INCH
10 PAVEMENT MARKING, YEILD LINE, 18-INCH (WHITE, 2' LINE, 2' SKIP)

* WHITE DOT PATTERNS
- 6' LINE, 3' SKIP
- 3' LINE, 9' SKIP

NOTE:

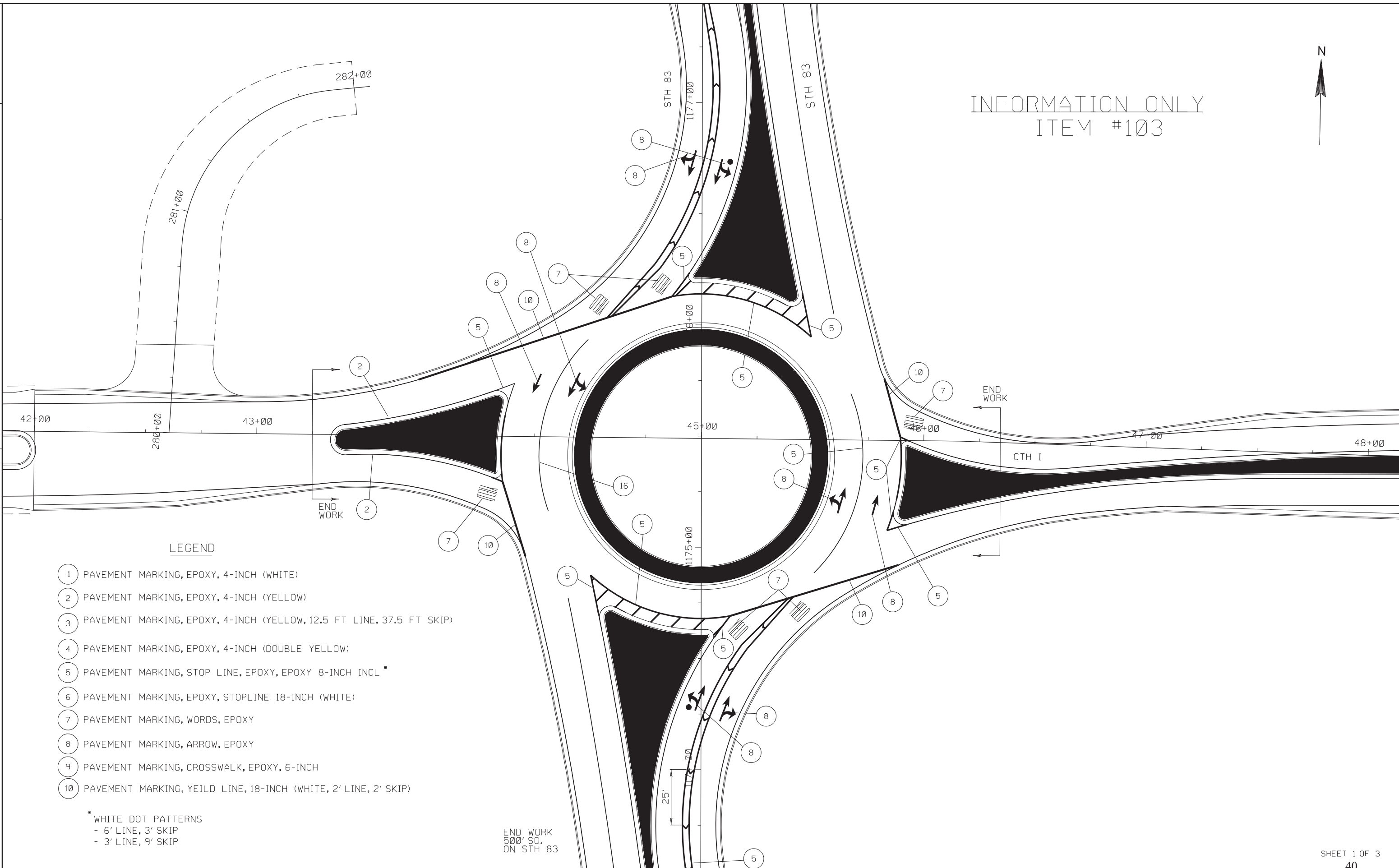
LOCALS TO MAINTAIN
(COUNTY)

INFORMATION ONLY
ITEM #102





INFORMATION ONLY
ITEM #103



LEGEND

- 1 PAVEMENT MARKING, EPOXY, 4-INCH (WHITE)
- 2 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW)
- 3 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW, 12.5 FT LINE, 37.5 FT SKIP)
- 4 PAVEMENT MARKING, EPOXY, 4-INCH (DOUBLE YELLOW)
- 5 PAVEMENT MARKING, STOP LINE, EPOXY, EPOXY 8-INCH INCL *
- 6 PAVEMENT MARKING, EPOXY, STOPLINE 18-INCH (WHITE)
- 7 PAVEMENT MARKING, WORDS, EPOXY
- 8 PAVEMENT MARKING, ARROW, EPOXY
- 9 PAVEMENT MARKING, CROSSWALK, EPOXY, 6-INCH
- 10 PAVEMENT MARKING, YEILD LINE, 18-INCH (WHITE, 2' LINE, 2' SKIP)

* WHITE DOT PATTERNS
- 6' LINE, 3' SKIP
- 3' LINE, 9' SKIP

END WORK
500' SO.
ON STH 83

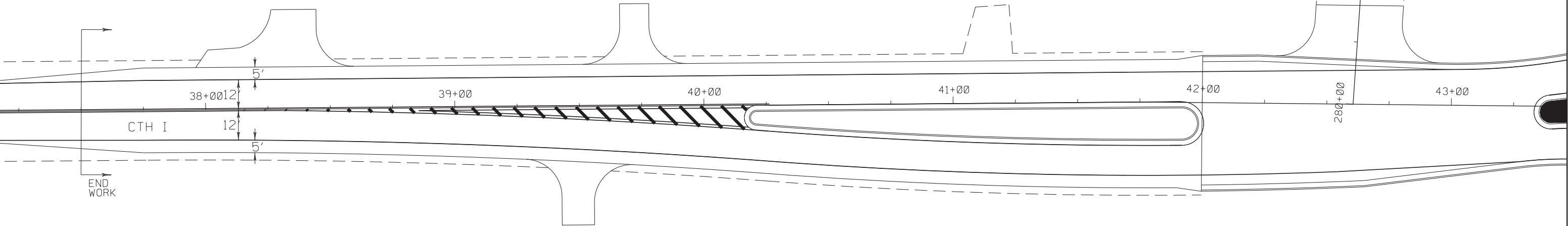
LEGEND

- 1 PAVEMENT MARKING, EPOXY, 4-INCH (WHITE)
- 2 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW)
- 3 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW, 12.5 FT LINE, 37.5 FT SKIP)
- 4 PAVEMENT MARKING, EPOXY, 4-INCH (DOUBLE YELLOW)
- 5 PAVEMENT MARKING, STOP LINE, EPOXY, EPOXY 8-INCH INCL *
- 6 PAVEMENT MARKING, EPOXY, STOPLINE 18-INCH (WHITE)
- 7 PAVEMENT MARKING, WORDS, EPOXY
- 8 PAVEMENT MARKING, ARROW, EPOXY
- 9 PAVEMENT MARKING, CROSSWALK, EPOXY, 6-INCH
- 10 PAVEMENT MARKING, YEILD LINE, 18-INCH (WHITE, 2' LINE, 2' SKIP)

* WHITE DOT PATTERNS
- 6' LINE, 3' SKIP
- 3' LINE, 9' SKIP

INFORMATION ONLY
ITEM #103

NOTE:
LOCALS TO MAINTAIN
(COUNTY)



LEGEND

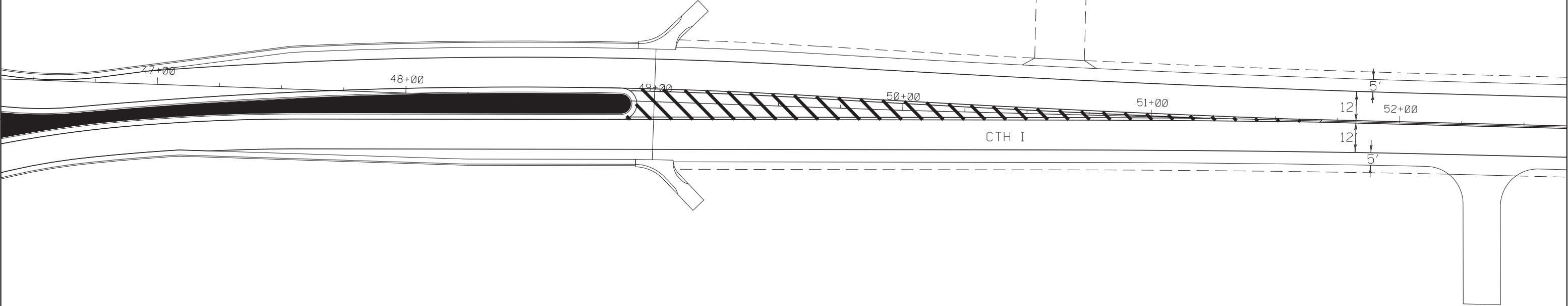
- 1 PAVEMENT MARKING, EPOXY, 4-INCH (WHITE)
- 2 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW)
- 3 PAVEMENT MARKING, EPOXY, 4-INCH (YELLOW, 12.5 FT LINE, 37.5 FT SKIP)
- 4 PAVEMENT MARKING, EPOXY, 4-INCH (DOUBLE YELLOW)
- 5 PAVEMENT MARKING, STOP LINE, EPOXY, EPOXY 8-INCH INCL *
- 6 PAVEMENT MARKING, EPOXY, STOPLINE 18-INCH (WHITE)
- 7 PAVEMENT MARKING, WORDS, EPOXY
- 8 PAVEMENT MARKING, ARROW, EPOXY
- 9 PAVEMENT MARKING, CROSSWALK, EPOXY, 6-INCH
- 10 PAVEMENT MARKING, YEILD LINE, 18-INCH (WHITE, 2' LINE, 2' SKIP)

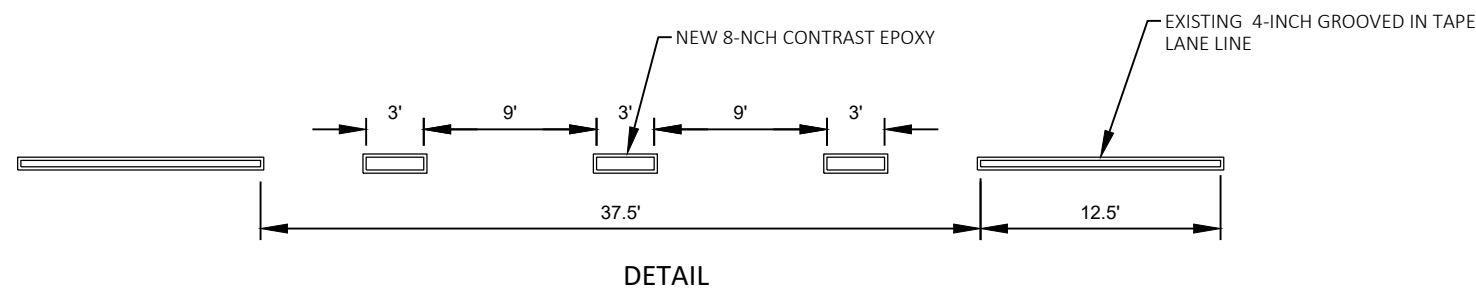
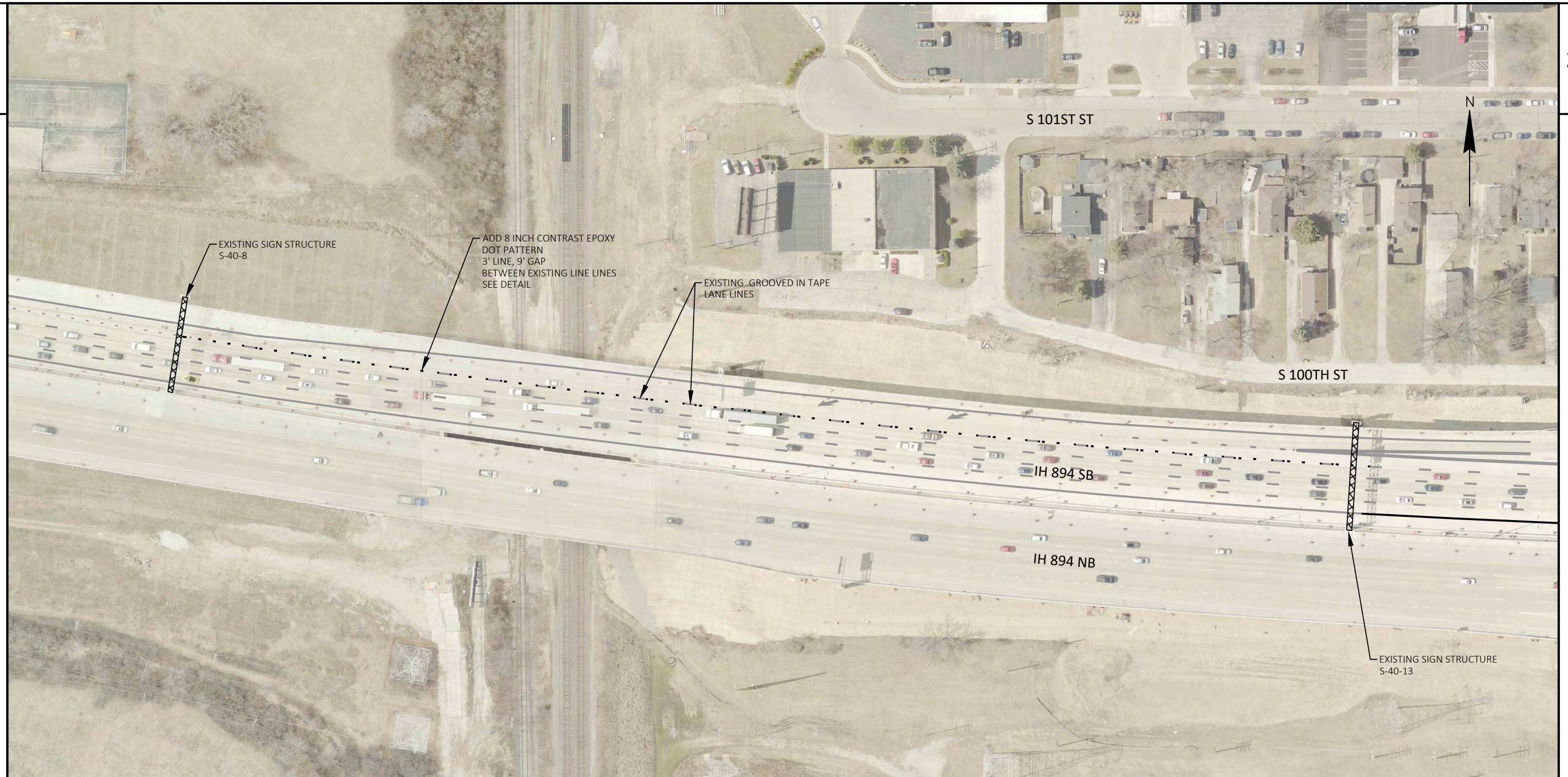
* WHITE DOT PATTERNS
- 6' LINE, 3' SKIP
- 3' LINE, 9' SKIP

INFORMATION ONLY
ITEM #103



NOTE:
LOCALS TO MAINTAIN
(COUNTY)





ITEM #300

PROJECT NO: 1000-77-21	HWY: IH 894	COUNTY: MILWAUKEE	EPOXY PAVEMENT MARKING	SHEET	E
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Estimate Of Quantities

1000-77-21

Line	Item	Item Description	Unit	Total	Qty
0002	619.1000	Mobilization	EACH	1.000	1.000
0004	646.1020	Marking Line Epoxy 4-Inch	LF	1,059,149.000	1,059,149.000
0006	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	25.000	25.000
0008	646.1545	Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	LF	100.000	100.000
0010	646.3020	Marking Line Epoxy 8-Inch	LF	84,003.000	84,003.000
0012	646.3040	Marking Line Grooved Wet Ref Epoxy 8-Inch	LF	10.000	10.000
0014	646.3545	Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	LF	19.000	19.000
0016	646.5020	Marking Arrow Epoxy	EACH	317.000	317.000
0018	646.5120	Marking Word Epoxy	EACH	150.000	150.000
0020	646.5220	Marking Symbol Epoxy	EACH	17.000	17.000
0022	646.5320	Marking Railroad Crossings Epoxy	EACH	1.000	1.000
0024	646.5420	Marking Aerial Enforcement Bar Epoxy	EACH	245.000	245.000
0026	646.6120	Marking Stop Line Epoxy 18-Inch	LF	3,112.000	3,112.000
0028	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	25.000	25.000
0030	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	423.000	423.000
0032	646.7120	Marking Diagonal Epoxy 12-Inch	LF	250.000	250.000
0034	646.7220	Marking Chevron Epoxy 24-Inch	LF	25.000	25.000
0036	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	2,925.000	2,925.000
0038	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	25.000	25.000
0040	646.8120	Marking Curb Epoxy	LF	16.000	16.000
0042	646.8220	Marking Island Nose Epoxy	EACH	3.000	3.000
0044	646.9000	Marking Removal Line 4-Inch	LF	25.000	25.000
0046	646.9100	Marking Removal Line 8-Inch	LF	325.000	325.000
0048	646.9200	Marking Removal Line Wide	LF	50.000	50.000
0050	646.9300	Marking Removal Special Marking	EACH	10.000	10.000
0052	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,100.000	1,100.000
0054	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	900.000	900.000
0056	SPV.0090	Special 01. PAVEMENT MARKING EPOXY CONTRAST 4-INCH	LF	10,760.000	10,760.000
0058	SPV.0090	Special 02. PAVEMENT MARKING EPOXY CONTRAST 8-INCH	LF	1,211.000	1,211.000
0060	SPV.0090	Special 03. MARKING REMOVAL LINE GROOVED TAPE 8"	LF	25.000	25.000
0062	SPV.0090	Special 04. MARKING REMOVAL LINE THERMOPLASTIC 18"	LF	25.000	25.000
0064	SPV.0090	Special 05. MARKING REMOVAL LINE CONTRAST TAPE 8"	LF	100.000	100.000
0066	SPV.0090	Special 06. MARKING REMOVAL LINE GROOVED TAPE 4"	LF	120.000	120.000
0068	SPV.0105	Special TRAFFIC CONTROL	LS	1.000	1.000

Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide			646.102 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	SPV.0090.01 Pav. Mrkng Epoxy Contrast (white) 4-IN L.F.	646.104 Marking Line Grooved Wet Contrast (white) 4-IN L.F.	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-IN L.F.	646.9 Marking Removal line 4-IN L.F.	SPV.0090.06 Marking Removal line Grooved Tape 4-IN L.F.	646.742 Marking Cross Walk Epoxy Transverse Line 6-IN L.F.	646.302 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	SPV.0090.02 Pav. Mrkng Epoxy Contrast (white) 8-IN L.F.	646.304 Marking Line Grooved Wet Contrast (white) 8-IN L.F.	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-IN L.F.	646.91 Marking Removal line 8-IN L.F.	646.712 Marking Diagonal Epoxy 12-IN L.F.	646.92 Marking Removal line Wide -- L.F.	646.722 Marking CHEVRONS Epoxy 24-IN L.F.	646.622 Marking Yield line Epoxy 18-IN L.F.	646.612 Marking Stop Line Epoxy 18-IN L.F.	646.632 Marking Dotted Extrnsn Epoxy 18-IN EA.	646.542 Marking Aerial Enforcement Bar Epoxy L.F.	646.752 Mrkng Crosswalk Epoxy Ladder Pattern 24-IN L.F.	646.502 Marking Arrow Epoxy EA.	646.522 Marking Symbols Epoxy EA.	646.512 Marking Word Epoxy EA.	646.93 Marking Removal Special Marking EA.	646.812 Marking Curb Epoxy L.F.	646.822 Marking Island Nose Epoxy EA.	646.532 Marking Railroad Crossings Epoxy E.A.	SPV.0090.03 Marking Removal line Grooved Tape 8-IN L.F.	SPV.0090.04 Marking Removal line Thermoplastic 18-IN L.F.	SPV.0090.05 Marking Removal line Contrast tape 8-IN L.F.				
HIGHWAYS (Interstates) (ITEMS 1 - 10)		41.38																																		
			641958	150	0	0	0	0	2875	48374	521	0	0	0	0	0	0	0	2700	0	0	0	246	7	111	0	0	0	0	0	0					
ROUNDABOUTS (ITEMS 100 - 103)		0.8	21522	0	0	0	0	0	0	3454	0	0	0	0	0	0	0	0	0	398	0	0	29	0	20	0	0									
MULTI-LANE (NON-FWY) (Items 200 - 205)		16.32	383094	10560	0	0	0	0	0	29375	590											212						22	9							
UNDISTRIBUTED QUANTITIES VARIOUS LOC.TO BE DETERMINED		2.8	12575	50	25	100	25	120	50	2800	100	10	19	325	250	50	25	25	200	25						25	20	10	10	10	16	3	1	25	25	100
LAW ENFORCEMENT (SPEED BARS) (VARIOUS LOCATIONS TO BE DETERMINED) (TERM 330-337)		0.8																																		
	TOTALS	62.1	1059149	10760	25	100	25	120	2925	84003	1211	10	19	325	250	50	25	25	3112	423	245	25	317	17	150	10	16	3	1	25	25	100				

Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide			Miles	LOCATION	REMARKS / COMMENTS	INFORMATION ONLY										
SUMMARY						646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	SPV.0090.01 Pav. Mrkng Epoxy Contrast (white) 4- IN L.F.	646.7420 Marking Cross Walk Epoxy Transverse Line 6-IN L.F.	646.302 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	SPV.0090.02 Pav. Mrkng Epoxy Contrast (white) 8- IN L.F.	646.6120 Marking Stop Line Epoxy 18-IN L.F.	646.5020 Marking Arrow Epoxy EA.	646.5220 Marking Symbols Epoxy EA.	646.5120 Marking Word Epoxy EA.		
Item #	County	HWY														
1	WAUK.	STH 16 (BYPASS)	2	LISBON RD (SIGNAL INTERSECTION) TO NORTHAN STH16/67 INTERCHANGE	Paint: Interchange & Intersections Special Mrkings "ONLY"	640	0	0	3110	0	496	14	0	8		
2	WAUK	STH 16	1.02	CTH P (SOUTH/ BROWN ST.) INTER. TO 180' WEST OF STH 16/67 (SB), (EXIT RAMP)		25161	90	0	3499	60	319	17	0	7		
3	MILW.	IH 41	1.08	STH 145 (N. 124TH ST.) TO GOOD HOPE RD INTER.		29575	0	0	1100	0	80	7	3	3		
4	MILW.	STH 175	1	LISBON AVE (46TH STR.) TO STH 59 (W. NATIONAL AVE)		536	0	1222	1700	95	526	57	0	18		
5	WASH.	IH 41/USH45	6.4	SO. OF IH 41/USH45 INTER. SPLIT TO CTH Q INTER.		185371	0	150	9066	0	156	25	0	10		
6	MILW.	STH 145	5.38	WAUK/MILW. CO.LINE TO W.FOUND DU LAC AVE (SIGNALIZED INTER.)		13832	60	403	1255	30	221	13	0	6		
7	OZ.	IH 43	10.3	STH 57/32 INTER. TO OZAUKEE/MILW. CO. LINE		277079	0	360	16210	0	346	26	4	9		
8	MILW.	IH 794	4	N. BROADWAY ST(OVERPASS BRIDGE) TO CARFERRY DR.		84480	0	0	0	0	0	0	0	0		
9	KENOSHA	IH 94	6.4	STH 142 TO STH 165 INTERCHANGE		5220	0	740	1300	336	556	87	0	50		
10	Milw.	IH 43	3.8	NATIONAL AVE INTER. TO HOWARD AVE INTER.		20064	0	0	11134	0	0	0	0	0		
			41.38		Totals	641958	150	2875	48374	521	2700	246	7	111		

Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide					INFORMATION ONLY		1	8	18	21	23
ROUNDABOUT SUMMARY							646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	646.3020 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	646.6320 Marking Dotted Extnsn Epoxy 18-IN EA.	646.5020 Marking Arrow Epoxy EA.	646.5120 Marking Word Epoxy EA.
Item #	County	HWY	Miles	LOCATION	REMARKS / COMMENTS						
100	WASHINGTON	STH 60	0.2	STH 60 AT TILLIE LAKE RD		2614	1084	98	12	4	
101	WAUKESHA	STH83	0.2			STH 83 & STH 59 (GENESEE RD.)	5620	60	76	0	4
102	WAUKESHA	STH83	0.2			STH 83 & CTH X (SAYLESVILLE RD.)	4150	800	90	5	6
103	WAUKESHA	STH83	0.2			STH 83 & CTH I	9138	1510	134	12	6
			0.8			Totals	21522	3454	398	29	20

Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SUMMARY						646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN	SPV.0090.01 Pav. Mrkng Epoxy Contrast (white) 4-IN	646.1040 Marking Line Grooved Wet Contrast (white) 4-IN	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-IN	646.9000 Marking Removal line 4-IN	SPV.0090.06 Marking Removal line Grooved Tape 4-IN	646.7420 Marking Cross Walk Epoxy Transverse Line 6-IN	646.3020 MARKING LINE EPOXY Gore, Channelizing 8-IN	SPV.0090.02 Pav. Mrkng Epoxy Contrast (white) 8-IN	646.3040 Marking Line Grooved Wet Contrast (white) 8-IN	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-IN	646.9100 Marking Removal line 8-IN	646.7120 Marking Diagonal Epoxy 12-IN	646.9200 Marking Removal line Wide --	646.7220 Marking CHEVRONS Epoxy 24-IN	646.6220 Marking Yield line Epoxy 18-IN	646.6120 Marking Stop Line Epoxy 18-IN	646.6320 Marking Dotted Extnsn Epoxy 18-IN	646.5420 Marking Aerial Enforcement Bar Epoxy	646.7520 Mrkng Crosswalk Epoxy Ladder Pattern 24-IN	646.5020 Marking Arrow Epoxy EA.	646.5220 Marking Symbols Epoxy EA.	646.5120 Marking Word Epoxy EA.
Item #	County	HWY	LOCATIONS	SUMARY:	MILES	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EA.	L.F.	EA.	EA.	EA.
200	MILW.	STH 100	.36 MILES W OF STH 57 TO IH 43	STH 100(BROWN DEER RD) PAINT LANE LINE "CONTRAST WHITE" NEW!	3	79200							6830	60														
201	WASH.	USH 45	CTH H (SOUTH)/BADGER RD TO CTH H (NORTH)/ MOHAWK RD		1.3	30888							3518															
202	KENOSHA	STH 31	S. OF STH 50 (75TH ST) TO STATE CO. LINE		5.1	121176							5875															
203	RACINE	STH 11	STH 11/36 INTERCHANGE (BYPASS) TO N. OF STH 83		2.82	79098							4200	200														
204	WAUKESHA	USH 18	CTH Y (BARKER RD) TO STH 164(BI-PASS)		2	42240	10560						7577	270														
205	KENOSHA	EFR	IH 94 E. FRONTAGE RD FROM STH 165 TO CTH ML INTER.		2.1	30492							1375	60							212					22		9
Total						16.32	383094	10560	0	0	0	0	0	29375	590	0	0	0	0	0	0	212	0	0	0	22	0	9

Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide UNDISTRIBUTE QUANTITIES: SUMMARY				INFORMATION ONLY		1	2	3	4	5	6	7	8	9	10	11	12
County	HWY	Miles	LOCATION	REMARKS / COMMENTS		646.102 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	SPV.0090.01 Pav. Mrkng Epoxy Contrast (white) 4- IN L.F.	646.104 Marking Line Grooved Wet Contrast (white) 4-IN L.F.	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4- IN L.F.	646.9 Marking Removal line 4 - IN L.F.	SPV.0090.06 Marking Removal line Grooved Tape 4-IN L.F.	646.742 Marking Cross Walk Epoxy Transverse Line 6-IN L.F.	646.302 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	SPV.0090.02 Pav. Mrkng Epoxy Contrast (white) 8- IN L.F.	646.304 Marking Line Grooved Wet Contrast (white) 8-IN L.F.	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8- IN L.F.	646.91 Marking Removal line 8-IN L.F.
300	Milw	IH 894	0.1	IH 894 (SB) NEAR W LINCOLN AVE	ADD CONTRAST DOT EPOXY (SEE ATTACHMENT)	48											
301	Walw	USH 12	0.1	USH 12 at CTH P Intersection	REFRESH ALL MARKINGS AT INTER. Paint 650' radius approaching(s) intersection	12000	2600										
302 THRU 329	VAR	VAR	2.8	THOUGHOUT SE REGION (STATE WIDE)	TO BE DETERMINED	575	2	25	100	25	120	50	200	100	10	19	325
330 THRU 337	VAR	VAR	0.8	THOUGHOUT SE REGION (STATE WIDE)	LAW ENFORCEMENT SPEED BAR (TO BE DETERMINED)	0	0	0	0	0	0	0	0	0	0	0	0
Sheet 1 of 2					Totals	12575	50	25	100	25	120	50	2800	100	10	19	325

				13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide UNDISTRIBUTE QUANTITIES: SUMMARY				INFORMATION ONLY	646.712	646.92	646.722	646.622	646.612	646.632	646.542	646.752	646.502	646.522	646.512	646.93	646.812	646.822	646.532	SPV.0090.03	SPV.0090.04	SPV.0090.05					
					Marking	Marking	Marking	Marking	Marking	Marking	Marking	Mrkng Crosswalk	Marking	Marking	Marking	Marking	Marking	Marking	Marking	Marking	Marking	Marking	Marking	Marking			
					Diagonal	Removal	CHEVRONS	Yield line	Stop Line	Dotted Extnsn	Aerial	Epoxy Ladder	Arrow	Symbols	Word	Removal	Curb	Island Nose	Railroad	Removal line	Removal line	Removal line	Removal line	Removal line			
					Epoxy	line Wide	Epoxy	Epoxy	Epoxy	Epoxy	Enforcement	Pattern	Epoxy	Epoxy	Epoxy	Special	Epoxy	Epoxy	Crossings	Grooved Tape	Thermoplastic	Contrast tape	Contrast tape	Contrast tape			
					12-IN	--	24-IN	18-IN	18-IN	18-IN	Bar Epoxy	24-IN				Marking			Epoxy	8-IN	18-IN	8-IN	8-IN	8-IN			
County	HWY	Miles	LOCATION	REMARKS / COMMENTS	L.F.	L.F.	L.F.	L.F.	L.F.	EA.	L.F.	L.F.	EA.	EA.	EA.	EA.	L.F.	EA.	E.A.	L.F.	L.F.	L.F.					
300	Milw	IH 894	0.1	IH 894 (SB) NEAR W LINCOLN AVE	ADD CONTRAST DOT EPOXY (SEE ATTACHMENT)																						
301	Walw	USH 12	0.1	USH 12 at CTH P Intersection	REFRESH ALL MARKINGS AT INTER. Paint 650' radius approaching(s) intersection	200										20	10										
302 THRU 329	VAR	VAR	2.8	THOUGHOUT SE REGION (STATE WIDE)	TO BE DETERMINED	250	50	25	25	0	25	25	0	10	0	10	16	3	1	25	25	100					
330 THRU 337	VAR	VAR	0.8	THOUGHOUT SE REGION (STATE WIDE)	LAW ENFORCEMENT SPEED BAR (TO BE DETERMINED)	0	0	0	0	0	0	245	0	0	0	0	0	0									
Sheet 2 of 2																											
			3.8	Totals	250	50	25	25	200	25	245	25	20	10	10	10	16	3	1	25	25	100					

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Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide			Miles	LOCATION	INFORMATION ONLY		646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	646.302 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	646.6120 Marking Stop Line Epoxy 18-IN L.F.	646.5020 Marking Arrow Epoxy TYPE 1 EA. TYPE 2 EA. TYPE 3 EA. TYPE 4 EA. TYPE 5 EA. TYPE 2R EA. TYPE 3R EA. TYPE 7R EA.							646.5120 Marking Word Epoxy EA.		
SUMMARY					REMARKS / COMMENTS														
Item #	County	HWY																	
1	WAUK.	STH 16 (BYPASS)	2.00	LISBON RD (SIGNAL INTERSECTION) TO NORTHAN STH16/67 INTERCHANGE		Paint: Interchange & Intersections Special Mrkings "ONLY" LONG LINE MARKINGS COMPLETE ON THE 2020 EPOXY PAV.MRKNG PROJ.													
				STH 16/67 AND LISBON RD (SIGNAL INTERSECTION)															
				STH 16 NB APPROACH		58													
				MEDIAN LEFT TURN, 8" CHANN. RIGHT TURN, 8" CHANN.		500 135													
				STH 16 SB APPROACH		58													
				MEDIAN LEFT TURN, 8" CHANN. RIGHT TURN, 8" CHANN.		500 135													
				LISBON RD, EB APPROACH		44													
				DUAL 4" YELLOW / 8" CHANN.		170	170								2				
				LISBON RD, WB APPROACH		44													
				DUAL 4" YELLOW / 8" CHANN.		170	170								2				
				STH 16/67 AND LAKE DR (CTH Z) (SIGNAL INTERSECTION)															
				STH 16 NB APPROACH		58													
				MEDIAN LEFT TURN, 8" CHANN. RIGHT TURN, 8" CHANN.		500 100													
				STH 16 SB APPROACH		58													
				MEDIAN LEFT TURN, 8" CHANN. RIGHT TURN, 8" CHANN.		500 100													
				LAKE DR, EB APPROACH		44													
				DUAL 4" YELLOW / 8" CHANN.		150	150	3							2				
				LAKE DR, WB APPROACH		44													
				DUAL 4" YELLOW / 8" CHANN.		150	150	3							2				
				STH 67 AND NORTHAN STH16/67 INTERCHANGE															
NB (WB) OFF RAMP		TERMINI GORE AREA																	
44		1																	
SB (EB) OFF RAMP		TERMINI AREA																	
44		1																	
Totals		640	3110	496	14							8							
2																			

3

Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide			Miles	LOCATION	INFORMATION ONLY		646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	SPV.0090.01 Pav. Mrkng Epoxy Contrast (white) 4- IN L.F.	646.302 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	SPV.0090.02 Pav. Mrkng Epoxy Contrast (white) 8- IN L.F.	646.6120 Marking Stop Line Epoxy 18-IN L.F.	646.5020 Marking Arrow Epoxy TYPE 1 EA.							TYPE 2 EA.	TYPE 3 EA.	TYPE 4 EA.	TYPE 5 EA.	TYPE 2R EA.	TYPE 3R EA.	TYPE 7R EA.	646.5120 Marking Word Epoxy EA.	
SUMMARY	Item #	County			HWY	REMARKS / COMMENTS																					
2	WAUK	STH 16	1.02	CTH P (SOUTH/ BROWN ST.) INTER. TO 180' WEST OF STH 16/67 (SB), (EXIT RAMP)	REFRESH ALL LONG LINE MARKINGS: EDGE LINE, LANE LINE AND 8" CHANN. ON STH 16	21542																					
FROM : CTH P (SOUTH) INTERCHANGE																											
CTH P , INTERCHANGE					Do not paint markings on cross road.																						
WB OFF RAMP FROM STH 16							0	0																			
WB ON RAMP FROM CTH P					RAMP & MAIN LINE GORE	1819			1025																		
EB OFF RAMP FROM STH 16						1800			600																		
EB ON RAMP FROM CTH P					INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP) TERMINI AREA RAMP & MAIN LINE GORE		30			45			1														
STH 16 , 1ST SIGNAL INTERSECTION (WB) :																											
STH 16 WB APPROACH					MEDIAN LEFT TURN, 8" CHANN. INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP) RIGHT TURN, 8" CHANN.		30		190 350		44			1													
STH 16 EB APPROACH					MEDIAN LEFT TURN, 8" CHANN. RIGHT TURN, 8" CHANN.				310 129		54			2 1													
STH 67, OFF/ ON RAMP					ADD: DUAL LEFT TURN, 8" CHANN. (CONTRAST TURKEY TRACKS) PAINT: STOP LINE, ARRWS,WORDS & CHANN, & GORE				260	30	48		2	2													
E. WISC. (SB) APPROACH					PAINT: STOP LINE, ARRWS,WORDS & CHANN				50		36		1	1													
STH 16 , 2ND SIGNAL INTERSECTION (WB) :																											
STH 16 WB APPROACH					MEDIAN LEFT TURN, 8" CHANN. INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP) RIGHT TURN, 8" CHANN.		30		120 250																		
STH 16 EB APPROACH					MEDIAN LEFT TURN, 8" CHANN. RIGHT TURN, 8" CHANN.				100 75				1														
STH 67, OFF/ ON RAMP					ADD: DUAL LEFT TURN, 8" CHANN. (CONTRAST TURKEY TRACKS) PAINT: STOP LINE, ARRWS,WORDS & CHANN, & GORE					30	48		2	2													
E. WISC. (SB) APPROACH					PAINT: STOP LINE, ARRWS,WORDS & CHANN				40		44		1														
TO: 180' WEST OF W. END FRONTAGE RD (PLANK RD) SIGNALIZE INTERSECTION																											
Totals						25161	90	3499	60	319		17															

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Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide SUMMARY			Miles		INFORMATION ONLY	646.1020 MARKING LINE EPOXY	646.302 MARKING LINE	646.6120 Marking	646.5020 Marking								646.5220 Marking	646.5120 Marking
						MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	EPOXY Gore, Channelizing 8-IN L.F.	Stop Line Epoxy 18-IN L.F.	Arrow Epoxy								Symbols Epoxy	Word Epoxy
				Item #	County	HWY	LOCATION	REMARKS / COMMENTS	TYPE 1 EA.	TYPE 2 EA.	TYPE 3 EA.	TYPE 4 EA.	TYPE 5 EA.	TYPE 2R EA.	TYPE 3R EA.	TYPE 7R EA.	EA.	EA.
3	MILW.	IH 41	1.08	STH 145 (N. 124TH ST.) TO GOOD HOPE RD INTER.		25660												
				I24TH ST. INTER.(BRIDGE UNDERPASS) TO W GOOD HOPE RD INTER. (BRIDGE OVERPASS)	PAINTING <u>ALL 4"</u> , LANE LINE, EDGE LINE AND DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP) MRKNGS ON IH41 MAIN LINE													
				I24TH ST. INTER.(BRIDGE UNDERPASS)	Do not paint markings on cross road.	0												
				NB OFF RAMP FROM IH 41	INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP) TERMINI GORE AREA	1800 315	600 300	40	6							1	3	
				NB ON RAMP TO IH 41	RAMP & MAIN LINE GORE	1800	200	40									3	
			1.08	Totals		29575	1100	80	7								3	3

Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide					INFORMATION ONLY	646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	646.7420 Marking Cross Walk Epoxy Transverse Line 6-IN L.F.	646.302 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	SPV.0090.02 Pav. Mrlng Epoxy Contrast (white) 8- IN L.F.	646.6120 Marking Stop Line Epoxy 18-IN L.F.	646.5020 Marking Arrow Epoxy TYPE 1 EA. TYPE 2 EA. TYPE 3 EA. TYPE 4 EA. TYPE 5 EA. TYPE 2R EA. TYPE 3R EA. TYPE 7R EA.							646.5120 Marking Word Epoxy EA.		
SUMMARY Item # County HWY			Miles	LOCATION	REMARKS / COMMENTS															
4	MILW.	STH 175	1	LISBON AVE (46TH STR.) TO STH 59 (W. NATIONAL AVE)	PAINT: ALL SPECIAL MARKINGS AT TERMINI RAMPs & INTERSECTION															
				STH 175 (NB) EXIT TO LISBON AVE	ADD: DUAL LEFT TURN, 8" CHANN. (CONTRAST TURKEY TRACKS)	350					45	54	1				2	2	1	
				W LLOYD ST. INTERCHANGE		100						36	2	5	1	2			2	
				STH 175 (NB) OFF RAMP TO LLOYD									2							
				W LLOYD ST TO STH 175 (SB) ON RAMP INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)		80					400									
				WASHINGTON BLVD	TERMINI GORE AREA															
				N ALOIS ST	STH 175 (NB) OFF RAMP	80						40	2				2			
				STATE ST / VELIET	STH 175 (SB) OFF RAMP							40	1				2			
				W WELL ST	STH 175 (NB) OFF RAMP							30					2			
				WISCONSIN AVE	STH 175 (SB) OFF RAMP	80						40	2				2	1		
				STH 175 (NB) OFF RAMP		60						30	1				1	1		
				Interchanges / or Intersections; (FREDRICK MILLER WAY) INTERCHANGE	PAINT: ALL SPECIAL MARKINGS AT TERMINI RAMPs & INTERSECTION															
				SB OFF RAMP FROM STH 175	TERMINI GORE AREA							45	4				2			4
				SB ON RAMP TO STH 175																
				NB OFF RAMP FROM STH 175	TERMINI GORE AREA							48	3				2		3	
				STH 59 (W. NATIONAL AVE) SIGNAL INTERSECTION																
				STH 175 (NB) APPROACH STH 175 (SB) APPROACH LEFT TURN, 8" CHANN. DUAL RIGHT TURN, 8" CHANN.	NO PAINTING/ OR WORK	300					200	95	4				4		4	
				STH 59(W NATIONAL AVE) (EB) APPROACH DUAL LEFT TURN, 8" CHANN. RIGHT TURN, 8" CHANN.	PAINT: LL. , STOP BAR, CROSS WALK AND TURKEY TRACK	156					180	200 300	50	48	2 2				2 2	
				STH 59(W NATIONAL AVE) (WB) APPROACH RIGHT TURN, 8" CHANN.	PAINT: EL. , STOP BAR, 2 SHORT CROSS WALK	300					72			20						
1			Totals			536					1222	1700	95	526	57				18	

Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide			Miles	LOCATION	REMARKS / COMMENTS	INFORMATION ONLY			646.5020 Marking Arrow Epoxy							646.5120 Marking Word Epoxy	
SUMMARY						646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	646.302 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	646.6120 Marking Stop Line Epoxy 18-IN L.F.	TYPE 1 EA.	TYPE 2 EA.	TYPE 3 EA.	TYPE 4 EA.	TYPE 5 EA.	TYPE 2R EA.	TYPE 3R EA.	TYPE 7R EA.	EA.
Item #	County	HWY															
5	WASH.	IH 41/USH45	6.4	SO. OF IH 41/USH45 INTER. SPLIT TO CTH Q INTER.		168960											
		IH 41/USH45 NB LANE SPLIT		END PAINTING AT 800' SOUTH OF GORE SPLIT ON BOTH IH 41 AND USH 45 NB LANES													
				AT NEW ASPHALT													
		IH 41/USH45 SB LANE (MERGER)		BEGIN PAINTING AT 800' SOUTH - OF GORE (MERGER) ON BOTH IH 41 AND USH 45 SB LANES													
				AT OLD ASPHALT													
		STH 167 INTER. (HOLY HILL RD)		Do not paint markings on cross road.		0											
		SB OFF RAMP FROM IH 41/USH45		INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)	TERMINI GORE AREA	2178 160	500						3				
		SB ON RAMP TO IH 41/USH45		RAMP & MAIN LINE GORE		1247	1500										
		NB OFF RAMP FROM IH 41/USH45		INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)	TERMINI GORE AREA	1386 164	530						3				
		NB ON RAMP TO IH 41/USH45		RAMP & MAIN LINE GORE		1980	1060										
		STH 167 INTER. (LANNON RD)		Do not paint markings on cross road.		0											
		SB OFF RAMP FROM IH 41/USH45		INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)	TERMINI GORE AREA	1584 145	500					2	2	1	2		
		SB ON RAMP TO IH 41/USH45		RAMP & MAIN LINE GORE		2277	900										
		NB OFF RAMP FROM IH 41/USH45		INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)	TERMINI GORE AREA	1584 137	440										
		NB ON RAMP TO IH 41/USH45		RAMP & MAIN LINE GORE		1584	800	48				4	2	1	4		
		CTH Q INTER (COUNTY LINE RD)		Do not paint markings on cross road.		0											
		SB OFF RAMP FROM IH 41/USH45		INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)	TERMINI GORE AREA	1831 149	500										
		SB ON RAMP TO IH 41/USH45		RAMP & MAIN LINE GORE		5	6					4	2	1	4		
		NB OFF RAMP FROM IH 41/USH45		NO WORK ON RAMP													
			6.4	Totals		185371	9066	156	25					10			

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Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide			Miles	LOCATION	REMARKS / COMMENTS	646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	SPV.0090.01 Pav. Mrkng Epoxy Contrast (white) 4- IN L.F.	646.7420 Marking Cross Walk Epoxy Transverse Line 6-IN L.F.	646.302 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	SPV.0090.02 Pav. Mrkng Epoxy Contrast (white) 8- IN L.F.	646.6120 Marking Stop Line Epoxy 18-IN L.F.	646.5020 Marking Arrow Epoxy							646.5120 Marking Word Epoxy											
SUMMARY Item #	County	HWY				TYPE 1 EA.	TYPE 2 EA.	TYPE 3 EA.	TYPE 4 EA.	TYPE 5 EA.	TYPE 2R EA.	TYPE 3R EA.	TYPE 7R EA.	EA.																
6	MILW.	STH 145	5.38	WAUK/MILW. CO.LINE TO W.FOUND DU LAC AVE (SIGNALIZED INTER.)	PAINTING: SPECIAL MARKINGS , ON / OFF RAMP(S) AND AT TERMINI(S) AREA THOUGHOUT THIS SECTION PAINTING: SOME SELECTED 8" WHITE MARKINGS FOR GORES IN THIS SECTION PAINTING: SOME SELECTED 4" MARKINGS, ON RAMPS IN THIS SECTION																									
				AT W PARK PLACE INTERSECTION: STH 145 (EB) APPROACH STH 145 (WB) APPROACH STH 145 (WB) EXIST RAMP TO PARK PLACE INTER.	MEDIAN LEFT TURN, 8" CHANN. MEDIAN LEFT TURN, 8" CHANN. TERMINI GORE AREA			320 340 30			24		1 1 2																1 1	
				STH 145 (EB) AT 107TH ST. STH 145 (EB) OFF RAMP TO 107TH ST	ADD: CONTRAST 4" YELLOW (DOT PATTERNS, 2'LINE, 6' GAP) FOR SIDE RD LEFT TURN MEDIAN (FOR WRONG WAY MOVEMENT AT SIDE BY SIDE RAMPS)		30				12					1														
				STH 145 (EB) ON RAMP FROM 107TH ST STH 145 (WB) OFF RAMP TO 107TH ST STH 145(WB) AT W LEON TERR. INTER. 92ND ST INTERCHANGE	RAMP & MAIN LINE GORE TERMINI GORE AREA PAINT : OFF RAMPS (EL. TO 107TH) MAIN LINE EXIT GORE ENTRANCE GORE NOTE: PAINT ALL CENTER 8" GORES PAINT: DOUBLE 4" YELLOW SOLID LANE LINE UP TO GREEN TREE RD (INTERSECTION)	3800			0 200						1															
				STH 145 (EB) AT 92ND ST. STH 145 (EB) OFF RAMP TO 92ND ST. STH 145 (EB) ON RAMP FROM 92ND ST.	TERMINI GORE AREA ADD: CONTRAST 4" YELLOW (DOT PATTERNS, 2'LINE, 6' GAP) FOR SIDE RD LEFT TURN MEDIAN (FOR WRONG WAY MOVEMENT AT SIDE BY SIDE RAMPS) RAMP & MAIN LINE GORE		30				12				1															
				STH 145 (WB) AT 91 ST, ST. STH 145 (WB) OFF RAMP TO 91ST, ST.		0			0																					
				SILVER SPRING INTERCHANGE STH 145 (EB) STH 145 (EB) OFF RAMP TO SILVER SPRING STH 145 (EB) ON RAMP FROM SILVER SPRING STH 145 (WB) STH 145 (WB) OFF RAMP TO SILVER SPRING STH 145 (WB) ON RAMP FROM SILVER SPRING	TERMINI GORE AREA TERMINI GORE AREA	0 0 0 0		24 24	0 0 0 0																					
				STH 181, (N. 76TH ST) INTERCHANGE																										
				STH 145 (EB) STH 145 (EB) OFF RAMP TO N.76TH ST STH 145 (EB) ON RAMP FROM SILVER SPRING STH 145 (WB) STH 145 (WB) ON RAMP FROM N. 76TH ST	TERMINI GORE AREA	0 0 0		70	0 0 0		24			1																
				STH 145 (WB) AT GRANTOSA DR / 76TH ST STH 145 (WB) OFF RAMP TO GRANTOSA DR SIGNAL INTERSECTION FOND DU LAC AVE ON RAMP TO STH 145 (EB) GORE STH 145 (EB) APPROACH 68TH ST.	MEDIAN DUAL LEFT TURN, 8" CHANN. MAIN LINE			55 230	30 125	55 58		4																4		
				STH 145 (EB) AT W.FOUND DU LAC AVE (SIGNALIZED INTER.) .38 MILE	NOTE: PAINT LANE LINE & EDGE LINE BEGIN: AT GRANTOSA DR (BRIDGE) TO W.FOUND DU LAC AVE (SIGNALIZED INTER.)	10032				24																				
0	0	0	5.38	0	Totals	13832	60	403	1255	30	221				13														6	

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Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide			Miles	LOCATION	INFORMATION ONLY	646.1020	646.7420	646.302	646.6120	646.5020							646.5120		
SUMMARY						MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	Marking Cross Walk Epoxy Transverse Line 6-IN L.F.	MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	Marking Stop Line Epoxy 18-IN L.F.	Marking Arrow Epoxy							Marking Word Epoxy		
Item #	County	HWY		REMARKS / COMMENTS						TYPE 1 EA.	TYPE 2 EA.	TYPE 3 EA.	TYPE 4 EA.	TYPE 5 EA.	TYPE 2R EA.	TYPE 3R EA.	TYPE 7R EA.	EA.	
7	OZ.	IH 43	10.3	STH 57/32 INTER. TO OZAUKEE/MILW. CO. LINE		244728													
			10.3	<u>STH 57/ 32 INTERCHANGE</u>	Do not paint markings on cross road.	0													
					INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)	3564 148		600								1			
					TERMINI GORE AREA			100	30										
					RAMP & MAIN LINE GORE	2574		1000											
					SB ON RAMP TO IH 43														
					NB OFF RAMP FROM IH 43	4158 140		800											
					INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)			100	30										
					TERMINI GORE AREA														
					RAMP & MAIN LINE GORE	1831		1250											
					NB ON RAMP TO IH 43														
					<u>CTH Q INTERCHANGE</u>	Do not paint markings on cross road.	0												
					INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)	1782 74		500											
					TERMINI GORE AREA		120	500	70				4	2	1			4	
					RAMP & MAIN LINE GORE	1287 94		1100									3		
					INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)														
					NB OFF RAMP FROM IH 43	1584 105		340											
					INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)		150	1000	60				4	2	1			4	
					TERMINI GORE AREA														
					RAMP & MAIN LINE GORE	1584		1050											
					NB ON RAMP TO IH 43														
					<u>CTH C (PIONEER RD) INTERCHANGE</u>	Do not paint markings on cross road.	0												
					INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)	1485 61		400										3	
					TERMINI GORE AREA			150	30										
					RAMP & MAIN LINE GORE	1430 1287 1544 59		1000 430											
INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)			100	18									1						
TERMINI GORE AREA																			
RAMP & MAIN LINE GORE	1386		1100																
NB ON RAMP TO IH 43																			
<u>STH 167 (W MEQUON RD) INTERCHANGE</u>	Do not paint markings on cross road.	0																	
INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)	1386 36		340																
TERMINI GORE AREA			80	30									1	1	1		1		
RAMP & MAIN LINE GORE	1782		2000																
SB ON RAMP TO IH 43			600	36															
NB OFF RAMP FROM IH 43	1485 99		440																
INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)		90	130	42															
TERMINI GORE AREA																			
RAMP & MAIN LINE GORE	1386		1100																
NB ON RAMP TO IH 43																			
			10.3	Totals		277079	360	16210	346	26							9		

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Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide			Miles	LOCATION	INFORMATION ONLY	646.1020 MARKING LINE EPOXY MAIN LINE Edge line, Mini Skips 4-IN L.F.
SUMMARY					REMARKS / COMMENTS	
Item #	County	HWY				
8	MILW.	IH 794	4	N. BROADWAY ST(OVERPASS BRIDGE) TO CARFERRY DR.	EDGE LINE MARKINGS ONLY	84480
					NOTE: DO NOT PAINT TAPED (LANE LINES)	
					IT'S IN GOOD SHAPE	
				IH 794 (WB) LANE SPLIT		
				SPLIT -TOWARDS N. BROADWAY ST (BRIDGE UNDERPASS)	END MARKINGS AT BRIDGE UNDERPASS	
				END 50' AFTER SPLIT -TOWARDS CLYBOURN ST SIGNAL INTERSECTION	END MARKINGS BEFORE CLYBOURN INTER.	
				IH794 (EB)		
				N. BROADWAY ST (BRIDGE UNDERPASS)	BEGIN (EB) IH 794 , EDGE LINE	
					MARKINGS ON MAIN LINE <u>(ONLY)</u>	
				CLYBOURN ST SIGNAL INTERSECTION	BEGIN (EB) IH 794 , EDGE LINE	
					MARKINGS ON MAIN LINE <u>(ONLY)</u>	
				IH 794 AT CARFERRY DR. (BRIDGE UNDERPASS)	END 4" EDGE LINE MARKINGS FOR IH794 (EB)/ SB	
					BEGIN 4" EDGE LINE MARKINGS FOR IH794 (WB)/NB	
			4		Totals	84480

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Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide					INFORMATION ONLY	646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	646.7420 Marking Cross Walk Epoxy Transverse Line 6-IN L.F.	646.3020 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	SPV.0090.02 Pav. Mrking Epoxy Contrast (white) 8- IN L.F.	646.6120 Marking Stop Line Epoxy 18-IN L.F.	646.5020 Marking Arrow Epoxy TYPE 1 EA. TYPE 2 EA. TYPE 3 EA. TYPE 4 EA. TYPE 5 EA. TYPE 2R EA. TYPE 3R EA. TYPE 7R EA.								646.5120 Marking Word Epoxy EA.
SUMMARY			Miles	LOCATION	REMARKS / COMMENTS														
Item #	County	HWY																	
9	KENOSHA	IH 94	6.4	STH 142 TO STH 165 INTERCHANGE	PAINTING: SPECIAL MARKINGS ON RAMPs AND AT TERMINI NTERSECTION(S) 														

Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide			Miles	LOCATION	INFORMATION ONLY	646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	646.7420 Marking Cross Walk Epoxy Transverse Line 6-IN L.F.	646.302 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	646.6120 Marking Stop Line Epoxy 18-IN L.F.
SUMMARY									
Item #	County	HWY			REMARKS / COMMENTS				
10	Milw.	IH 43	3.8	NATIONAL AVE INTER. TO HOWARD AVE INTER.	PAINT: MAIN LINE'S LANE LINE & GORES INCL. EXISTING DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP) AND LANE DROPS	20064			
				W NATIONAL AVE INTER.					
				SB OFF RAMP					1200
				SB ON RAMP					600
				NB OFF RAMP					620
				NB ON RAMP					1200
				W LAPHAN BLVD INTER.	MAIN LINE LANE DROP	175			
				SB OFF RAMP					688
				SB ON RAMP					0
				NB OFF RAMP					0
				NB ON RAMP					450
				BECHER ST/ LINCOLN AVE INTER.		630			
				SB OFF RAMP					860
				SB ON RAMP					600
				NB OFF RAMP					0
				NB ON RAMP					211
				W HOLT AVE INTER.	REFRESH EXISTING DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)	400			
				SB OFF RAMP					650
				SB ON RAMP					900
				NB OFF RAMP					700
				NB ON RAMP	NOTE: PAINT EXTENSION SKIP MARKS (NB ON RAMP) NOTE: PAINT EXTENSION SKIP MARKS / (SB ON RAMP) NOTE: PAINT EXTENSION SKIP MARKS (NB OFF RAMP)	400			
				W HOWARD AVE INTER.					850
				SB OFF RAMP					0
				SB ON RAMP					
				NB OFF RAMP					
				NB ON RAMP					
			3.8	Totals		20064	0	11134	0

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Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide				INFORMATION ONLY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
						646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	SPV.0090.01 Pav. Mrking Epoxy Contrast (white) 4- IN L.F.	646.1040 Marking Line Grooved Wet Contrast (white) 4-IN L.F.	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4- IN L.F.	646.9000 Marking Removal line 4 - IN L.F.	SPV.0090.06 Marking Removal line Grooved Tape 4-IN L.F.	646.7420 Marking Cross Walk Epoxy Transverse Line 6-IN L.F.	646.3020 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	SPV.0090.02 Pav. Mrking Epoxy Contrast (white) 8- IN L.F.	646.3040 Marking Line Grooved Wet Contrast (white) 8-IN L.F.	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8- IN L.F.	646.9100 Marking Removal line 8-IN L.F.	646.7120 Marking Diagonal Epoxy 12-IN L.F.	646.9200 Marking Removal line Wide -- L.F.	646.7220 Marking CHEVRONS Epoxy 24-IN L.F.	646.6220 Marking Yield line Epoxy 18-IN L.F.	646.6120 Marking Stop Line Epoxy 18-IN L.F.	646.6320 Marking Dotted Extnsn Epoxy 18-IN EA.	646.5420 Marking Aerial Enforcement Bar Epoxy L.F.	646.7520 Mrking Crosswalk Epoxy Ladder Pattern 24-IN L.F.	646.5020 Marking Arrow Epoxy TYPE 1 EA.				TYPE 2 EA.	TYPE 3 EA.	TYPE 4 EA.	TYPE 5 EA.	TYPE 2R EA.	TYPE 3R EA.	TYPE 7R EA.	646.5220 Marking Symbols Epoxy EA.	646.5120 Marking Word Epoxy EA.
Item #	County	HWY	Miles	LOCATION	REMARKS / COMMENTS																																	
100	WASHINGTON	STH 60	0.2	STH 60 AT TILLIE LAKE RD	"PAINT ONLY", THE "WHITE PORTION" OF ALL CONTRAST TAPE OR CONTRAST EPOXY MARKINGS WITHIN THIS SECTION (OR ROUNDABOUT AREA). PAINT ALL: EXISTING MARKINGS/ EXCEPT CROSS WALKS (12"x10")																																	
				STH 60	WB APPROACHING ROUNDABOUT	START: 360' FROM YIELD / OR STOP BAR (4" YELLOW EDGE LINE) INCL. DOT EXTENSION (DOT PATTERN) 4" WHITE (3' LINE 9' GAP)	720							368										28					2				2		2			
					EB APPROACHING ROUNDABOUT	START: 320' FROM YIELD / OR STOP BAR	744							440										25					2				2		2			
				CENTER OF ROUNDABOUT AREA	PAINT : LANE LINE / ARROWS GORE(S)		350							175													2	2										
				TILLIE LAKE RD	SB APPROACHING ROUNDABOUT	START: 175' FROM YIELD / OR STOP BAR (4" YELLOW EDGE LINE)	400																	20														
				CEDAR PKWY	NB APPROACHING ROUNDABOUT	START:200' FROM YIELD / OR STOP BAR (4" YELLOW EDGE LINE)	400																	25														
100	WASHINGTON	STH 60	0.2	STH 60 AT TILLIE LAKE RD	Totals	2614	0	0	0	0	0	0	0	1084	0	0	0	0	0	0	0	0	0	98	0	0	2	0	6	0	0	0	4	0	0	4		

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Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide				INFORMATION ONLY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
						646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	SPV.0090.01 Pav. Mrking Epoxy Contrast (white) 4- IN L.F.	646.1040 Marking Line Grooved Wet Contrast (white) 4-IN L.F.	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4- IN L.F.	646.9000 Marking Removal line 4 - IN L.F.	SPV.0090.06 Marking Removal line Grooved Tap 4-IN L.F.	646.7420 Marking Cross Walk Epoxy Transverse Line 6-IN L.F.	646.3020 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	SPV.0090.02 Pav. Mrking Epoxy Contrast (white) 8- IN L.F.	646.3040 Marking Line Grooved Wet Contrast (white) 8-IN L.F.	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8- IN L.F.	646.9100 Marking Removal line 8-IN L.F.	646.7120 Marking Diagonal Epoxy 12-IN L.F.	646.9200 Marking Removal line Wide -- L.F.	646.7220 Marking CHEVRONS Epoxy 24-IN L.F.	646.6220 Marking Yield line Epoxy 18-IN L.F.	646.6120 Marking Stop Line Epoxy 18-IN L.F.	646.6320 Marking Dotted Extnsn Epoxy 18-IN EA.	646.5420 Marking Aerial Enforcement Bar Epoxy L.F.	646.7520 Mrking Crosswalk Epoxy Ladder Pattern 24-IN L.F.	646.5020 Marking Arrow Epoxy TYPE 1 EA.				TYPE 2 EA.	TYPE 3 EA.	TYPE 4 EA.	TYPE 5 EA.	TYPE 2R EA.	TYPE 3R EA.	TYPE 7R EA.	646.5220 Marking Symbols Epoxy EA.	646.5120 Marking Word Epoxy EA.
Item#	County	HWY	Miles	LOCATION	REMARKS / COMMENTS																																	
101	WAUKESHA	STH83	0.2	STH 83 & STH 59 (GENESEE RD.)	"PAINT ONLY", THE "WHITE PORTION" OF ALL CONTRAST TAPE OR CONTRAST EPOXY MARKINGS WITHIN THIS SECTION (OR ROUNDABOUT AREA).																																	
				STH 59 (GENESEE RD)																																		
				WB APPROACHING ROUNDABOUT		START: 458' FROM YIELD / OR STOP BAR (4" EDGE LINE)	2000																								15					1		
				EB APPROACHING ROUNDABOUT		START: 250' FROM YIELD / OR STOP BAR (4" EDGE LINE)	1000																								18					1		
				CENTER OF ROUNDABOUT AREA																										60								
				STH 83																																		
				SB APPROACHING ROUNDABOUT	START:355' FROM YIELD / OR STOP BAR (4" EDGE LINE)	1420																								18					1			
				NB APPROACHING ROUNDABOUT	START: 300' FROM YIELD / OR STOP BAR (4" EDGE LINE)	1200																								25					1			
101	WAUKESHA	STH83	0.2	STH 83 & STH 59 (GENESEE RD.)	Totals	5620	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	4				

3

Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide				INFORMATION ONLY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
						646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	SPV.0090.01 Pav. Mking Epoxy Contrast (white) 4-IN L.F.	646.1040 Marking Line Grooved Wet Contrast (white) 4-IN L.F.	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-IN L.F.	646.9000 Marking Removal line 4-IN L.F.	SPV.0090.06 Marking Removal line grooved Tap 4-IN L.F.	646.7420 Marking Cross Walk Epoxy Transverse Line 6-IN L.F.	646.3020 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	SPV.0090.02 Pav. Mking Epoxy Contrast (white) 8-IN L.F.	646.3040 Marking Line Grooved Wet Contrast (white) 8-IN L.F.	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-IN L.F.	646.9100 Marking Removal line 8-IN L.F.	646.7120 Marking Diagonal Epoxy 12-IN L.F.	646.9200 Marking Removal line Wide -- L.F.	646.7220 Marking CHEVRONS Epoxy 24-IN L.F.	646.6220 Marking Yield line Epoxy 18-IN L.F.	646.6120 Marking Stop Line Epoxy 18-IN L.F.	646.6320 Marking Dotted Extnsn Epoxy 18-IN EA.	646.5420 Marking Aerial Enforcement Bar Epoxy L.F.	646.7520 Mking Crosswalk Epoxy Ladder Pattern 24-IN L.F.	646.5020 Marking Arrow Epoxy TYPE 1 EA.					TYPE 2 EA.	TYPE 3 EA.	TYPE 4 EA.	TYPE 5 EA.	TYPE 2R EA.	TYPE 3R EA.	TYPE 7R EA.	646.5220 Marking Symbols Epoxy EA.	646.5120 Marking Word Epoxy EA.
Item #	County	HWY	Miles	LOCATION	REMARKS / COMMENTS																																		
102	WAUKESHA	STH83	0.2	STH 83 & CTH X (SAYLESVILLE RD.)	"PAINT ONLY", THE "WHITE PORTION" OF ALL CONTRAST TAPE OR CONTRAST EPOXY MARKINGS WITHIN THIS SECTION (OR ROUNDABOUT AREA).																																		
				CTH X (SAYLESVILLE RD.)																																			
				WB APPROACHING ROUNDABOUT	START: 200' FROM YIELD / OR STOP BAR (4" EDGE LINE)	800																				18						1							
				EB APPROACHING ROUNDABOUT	START: 200' FROM YIELD / OR STOP BAR (4" EDGE LINE)	800																				18						1							
				CENTER OF ROUNDABOUT AREA	GORES																				250														
				STH 83																																			
				SB APPROACHING ROUNDABOUT	START: 300' FROM YIELD / OR STOP BAR (4" EDGE LINE)	1200																				18						1							
				NB APPROACHING ROUNDABOUT	START: 475' FROM YIELD / OR STOP BAR (4" EDGE LINE)	1350																				550						36	3					2	3
102	WAUKESHA	STH83	0.2	STH 83 & CTH X (SAYLESVILLE RD.)	Totals	4150	0	0	0	0	0	0	800	0	0	0	0	0	0	0	0	0	90	0	0		0	3	0	0	0	0	2	0	0	6			

3

Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide				INFORMATION ONLY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide					INFORMATION ONLY	1 646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	8 646.3020 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	9 SPV.0090.02 Pav. Mrkng Epoxy Contrast (white) 8- IN L.F.
SUMMARY					REMARKS / COMMENTS			
Item #	County	HWY	Miles	LOCATION				
200	MILW.	STH 100	3	.36 MILES W OF STH 57 TO IH 43	STH 100(BROWN DEER RD)	79200		
					NOTE: PAINT ONLY WHITE PORTION OF CONTRAST TAPE OR EPOXY MARKINGS 2 DRIVE WAYS / MEDIAN LEFT TURN(S) N DEERBROOK TRAIL N DEERWOOD DR	200 250 300		
					STH 57 INTERCHANGE			
					SB ON/ OFF RAMP (GORES / MEDIAN LEFT TURN) CHANN. ADD, 8" CONTRAST MARKINGS THROUGH SIGNALIZED INTERSECTION FOR LEFT TURN (TURKEY TRACK, 2' LINE 6' GAP)	600 30		
					NB ON/ OFF RAMP (GORES / MEDIAN LEFT TURN) CHANN. ADD, 8" CONTRAST MARKINGS THROUGH SIGNALIZED INTERSECTION FOR LEFT TURN (TURKEY TRACK, 2' LINE 6' GAP)	600 30		
					N KILDEER CT/W RIVER LN (MED. LFT TURNS) N UPPER RIVER RD MEDIAN LEFT TURN(S) N RANGE LINE RD (SIGNALIZED) DRIVE WAY (MEDIAN LEFT TURN) CHANN. 2 DRIVE WAYS / MEDIAN LEFT TURN(S) N RIVER RD (T-INTERSECTN) N HAWTHORNE RD (T-INTERSECTN) N SPRUCE RD 2 DRIVE WAYS / MEDIAN LEFT TURN(S) BROWN DEER RD E (T-INTERSECTN)	800 150 75 1100 75 1000 100 100 700 580 200		
					IH 43 INTERCHANGE	0		
					PAINT : EDGE LINES ONLY THROUGH INTERCHANGE "END EPOXY MARKINGS" 600' E. OF IH 43 (BRIDGE UNDERPASS)			
					Totals	79200	6830	60
200	MILW.	STH 100	3	.36 MILES W OF STH 57 TO IH 43				

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Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide					INFORMATION ONLY		1 646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	8 646.3020 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.
SUMMARY				LOCATION	REMARKS / COMMENTS			
Item #	County	HWY	Miles					
201	WASH.	USH 45	1.3	CTH H (SOUTH) /BADGER RD TO CTH H (NORTH)/ MOHAWK RD	NOTE: PAINT ONLY WHITE PORTION OF CONTRAST "TAPED" LANE LINE MARKINGS NB APPROACH ON USH 45 (CHAN. MRKNGS) <u>INCL. ALL EXTENDED EXISTING SKIP MARKS</u> SB APPROACH ON USH 45 (CHAN. MRKNGS) NB APPROACH ON USH 45 (CHAN. MRKNGS)		30888	
				CTH H (BADGER RD) INTERSECTION				
				TRADING POST LN (T INTERSECTION)			1021	
				SANDY RIDGE RD (T INTERSECTION) PROSPECT RD			997	
				TIMBLIN DR (INTERSECTION)			480	
				CTH H (NORTH)/ MOHAWK RD (T INTERSECTION)			220 375	
201	WASH.	USH 45	1.3	CTH H (SOUTH) /BADGER RD TO CTH H (NORTH)/ MOHAWK RD	NB APPROACH ON USH 45 (CHAN. MRKNGS)		235 190	
					Totals		30888	3518

3

Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide					INFORMATION ONLY		1 646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	8 646.3020 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.
SUMMARY				LOCATION	REMARKS / COMMENTS			
Item #	County	HWY	Miles					
202	KENOSHA	STH 31	5.1	S. OF STH 50 (75TH ST) TO STATE CO. LINE	76TH ST 78TH ST 79TH ST DRVWY DRVWA BRAIN STATION RD DRVWY BENTZ DRVWY DRVWY 95ST STH 165 (104 ST) DRVWY CTH ML 123RD ST 128TH ST		121176	
							450	
							575	
							300	
							300	
							250	
							125	
							100	
							450	
							100	
							200	
							575	
							1200	
							100	
							700	
							250	
							200	
202	KENOSHA	STH 31	5.1	S. OF STH 50 (75TH ST) TO STATE CO. LINE	Totals		121176	5875

Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide					INFORMATION ONLY	646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	646.3020 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	SPV.0090.02 Pav. Mrkng Epoxy Contrast (white) 8- IN L.F.
SUMMARY				LOCATION	REMARKS / COMMENTS			
Item #	County	HWY	Miles					
203	RACINE	STH 11	2.82	STH 11/36 INTERCHANGE (BYPASS) TO N. OF STH 83	NOTE: PAINT ONLY WHITE PORTION OF CONTRAST TAPE OR EPOXY LANE LINE MARKINGS SIGNALIZED INTERSECTION PAINT: ALL 8" CHANN. MARKINGS (4 -DIR.) APPROACHING INTERSECTION INCL. PORK CHOP GORS & LEFT TURN MEDIANS PAINT: 4", "YELLOW" CONTRAST EDGE LINE MARKINGS THROUGH INTERSECTION FOR LEFT TURN GUIDANCE - 4 (3'LINE, 9' GAP) DOT PATTERNS IN TOTAL. STH 142 (BUSHNELL RD) INTERCHANGE STH 11 (WB) OFF/ON RAMP(S) MAIN LINE- OFF / ON GORE(S) NOTE: <u>INCL. ALL EXTENDED 4" SKIP MARKS (3' LINE, 9'GAP)</u> STH 142 (BUSHNELL RD) INTERCHANGE STH 11 (EB) OFF/ON RAMP(S) MAIN LINE- OFF / ON GORE(S) NOTE: <u>INCL. ALL EXTENDED 4" SKIP MARKS (3' LINE, 9'GAP)</u> STOP PAINTING: N. OF STH 83 (S PINE ST) INTER. / CONST.	74448		
				BURLINGTON BYPASS/STH 11 /STH 36		2700		
						200		
						2300	800	
						2350	700	
203	RACINE	STH 11	2.82	STH 11/36 INTERCHANGE (BYPASS) TO N. OF STH 83	Totals	79098	4200	200

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Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide				INFORMATION ONLY		1	2	8	9
SUMMARY				LOCATION	REMARKS / COMMENTS	646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	SPV.0090.01 Pav. Mrkng Epoxy Contrast (white) 4- IN L.F.	646.3020 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	SPV.0090.02 Pav. Mrkng Epoxy Contrast (white) 8- IN L.F.
Item #	County	HWY	Miles						
204	WAUKESHA	USH 18	2	CTH Y (BARKER RD) TO STH 164(BI-PASS)	PAINT LANE LINES " CONTRAST WHITE " (NEW)	42240	10560		
				BEGIN MARKINGS AT SOUTH-WESTWARD LEG AT SIGNALIZED INTERSECTION	MEDIAN LEFT (DUAL TURN) LANE ADD, 8" CONTRAST MARKINGS THROUGH SIGNALIZED INTERSECTION FOR LEFT TURN (TURKEY TRACK, 2' LINE 6' GAP)			920	50
					RIGHT TURN LANE			724	
					W BLUEMOUND RD (SPLIT) GORE			150	
					EB- BLUEMOUND RD (SIGNALIZED INTERCHANGE)				
					PAINT: 2 (8" WHITE, CONTRAST MARKINGS) THROUGH INTERSECTION FOR LEFT TURNS (TURKEY TRACK, 2' LINE 6' GAP)				100
					WB - SMALL GORE EB- LONG GORE TO RAMP (IH 94 WB)			0 510	
					WB- LONG GORE OFF RAMP (FROM IH 94 WB)			850	
					IH 94 EB- OFF RAMP GORE			660	
					IH 94 EB-ON RAMP GORE			620	
					SWENSON DR. INTERSECTION				
					WB APPROACHING INTERS. EB APPROACHING INTERS.			577 454	
					PARKLAWN CT SIGNALIZED INTERSECTION				
					LEFT TURN MEDIANS RIGHT TURN			220 112	
					LONGVIEW DR (T INTERSECTION)				
					LEFT TURN MEDIANS			200	
					SPRINGDALE RD INTERSECTION				
					LEFT TURN MEDIANS RIGHT TURN			150 50	
					E MAIN ST INTERSECTION				
					LEFT TURN MEDIANS			400	60
					ADD, 8" CONTRAST MARKINGS THROUGH SIGNALIZED INTERSECTION FOR LEFT TURN (TURKEY TRACK, 2' LINE 6' GAP)				
					RIGHT TURN			150	
					RAMONA RD INTERSECTION				
					LEFT TURN MEDIANS			120	
					AVALON DR INTERSECTION				
					LEFT TURN MEDIANS			100	
					GATEWAY DR INTERSECTION				
					LEFT TURN MEDIANS			100	
					STH 36 (BI-PASS)/ WOLF RD INTERSECTION				
					LEFT TURN MEDIANS			210	60
					ADD, 8" CONTRAST MARKINGS THROUGH SIGNALIZED INTERSECTION FOR LEFT TURN (TURKEY TRACK, 2' LINE 6' GAP)				
					RIGHT TURN			300	
204	WAUKESHA	USH 18	2	CTH Y (BARKER RD) TO STH 164(BI-PASS)	Totals	42240	10560	7577	270

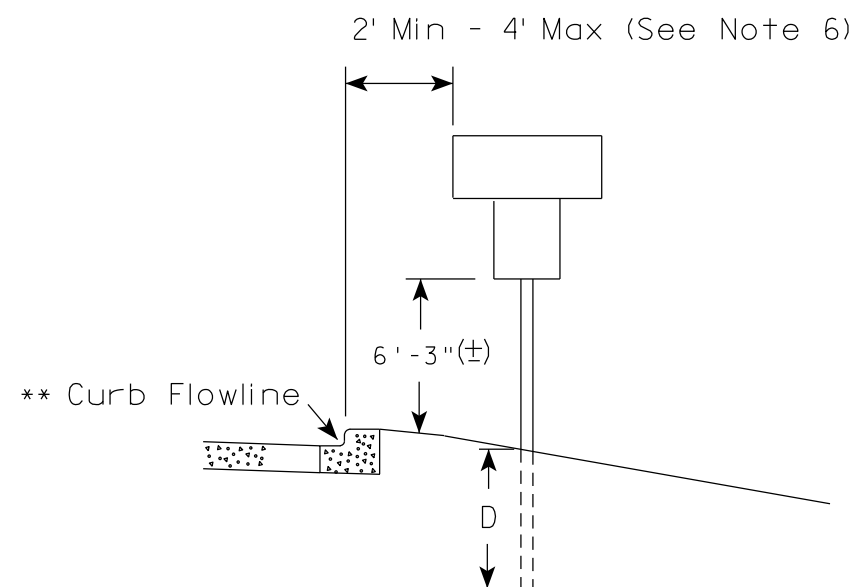
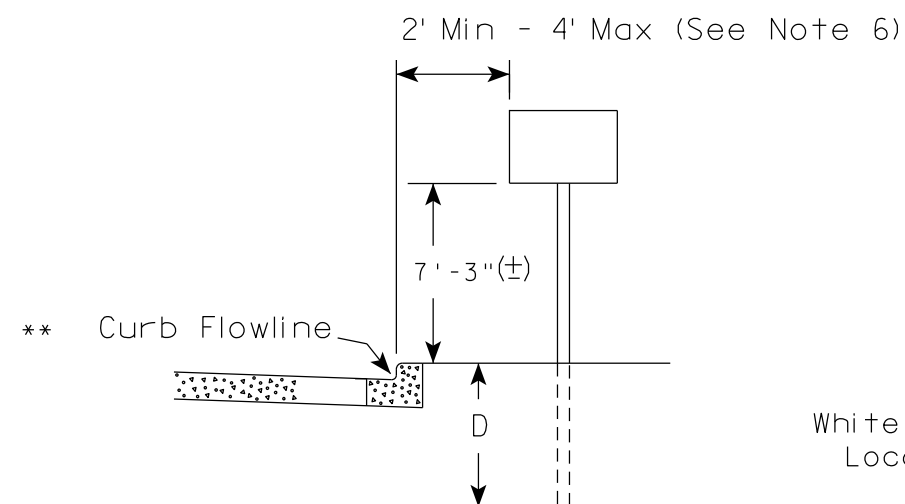
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Epoxy Pavement Marking - 2021 Var. Hwy (1000-77-21) SE Region Wide				INFORMATION ONLY		646.1020 MARKING LINE EPOXY MAIN LINE Lane line, Edge line, Mini Skips 4-IN L.F.	646.3020 MARKING LINE EPOXY Gore, Channelizing 8-IN L.F.	SPV.0090.02 Pav. Mrkng Epoxy Contrast (white) 8- IN L.F.	646.6120 Marking Stop Line Epoxy 18-IN L.F.	646.5020 Marking Arrow Epoxy							646.5120 Marking Word Epoxy
SUMMARY				LOCATION	REMARKS / COMMENTS												
Item #	County	HWY	Miles			TYPE 1 EA.	TYPE 2 EA.	TYPE 3 EA.	TYPE 4 EA.	TYPE 5 EA.	TYPE 2R EA.	TYPE 3R EA.	TYPE 7R EA.				
205	KENOSHA	EFR	2.1	IH 94 E. FRONTAGE RD FROM STH 165 TO CTH ML INTER.	IH 94 (EAST FRONTAGE RD) TO PAINT	30492											
					NOTE: PAINT ONLY WHITE PORTION OF CONTRAST TAPE OR EPOXY LANE LINE MARKINGS												
					PAINT: 8" WHITE, CONTRAST MARKINGS, THROUGH INTERSECTION FOR LEFT TURNS (TURKEY TRACK, 2' LINE 6' GAP) SIGNALIZED INTERSECTION												
					STH 165 INTERSECTION												
					STH 165 (WB) APPROACHING												
					MEDIAN LEFT TURN / RIGHT TURN		200		54		2					2	
					STH 165 (EB) APPROACHING												
					MEDIAN LEFT TURN / RIGHT TURN		175		54		2					2	
					E. FRONTAGE RD (SB) APPROACHING												
					MEDIAN LEFT TURN / RIGHT TURN		200		36	2	2	2				3	
					E. FRONTAGE RD (NB) APPROACHING												
					MEDIAN LEFT TURN / RIGHT TURN		200		36	2	2	2				2	
					INTERSECTION FOR LEFT TURNS (8" CONTRAST, TURKEY TRACK, 2' LINE 6' GAP)			60									
					E FRONTAGE RD (MAIN LINE) YELLOW 8" GORE		600										
					E FRONTAGE RD (MAIN LINE)	3 SET(S) OF TYPE 2 ARROWS (LEFT/RIGHT)											
					CTH ML INTERSECTION												
					E. FRONTAGE RD (SB) AND (NB) APPROACHING	PLACE STOP BAR(S)											
205	KENOSHA	EFR	2.1	IH 94 E. FRONTAGE RD FROM STH 165 TO CTH ML INTER.	Totals	30492	1375	60	212	22				9			

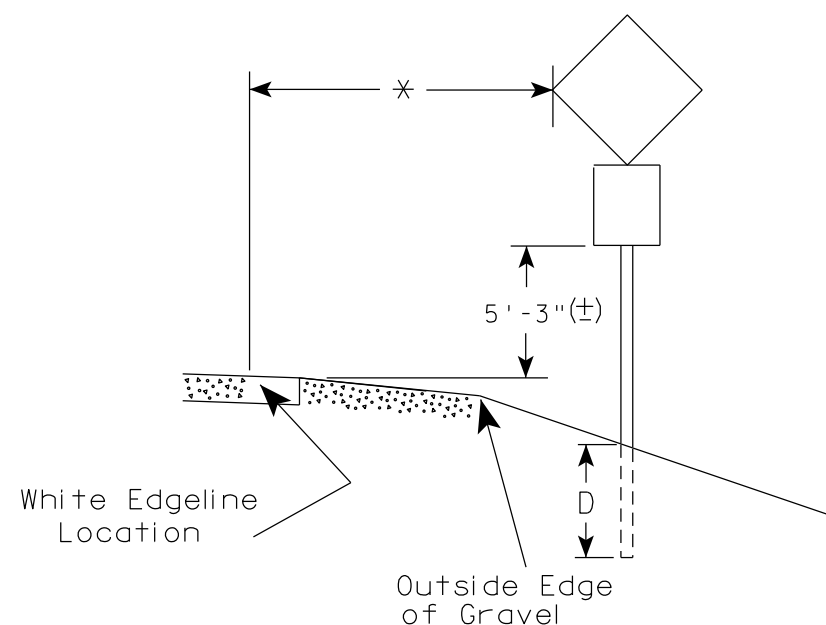
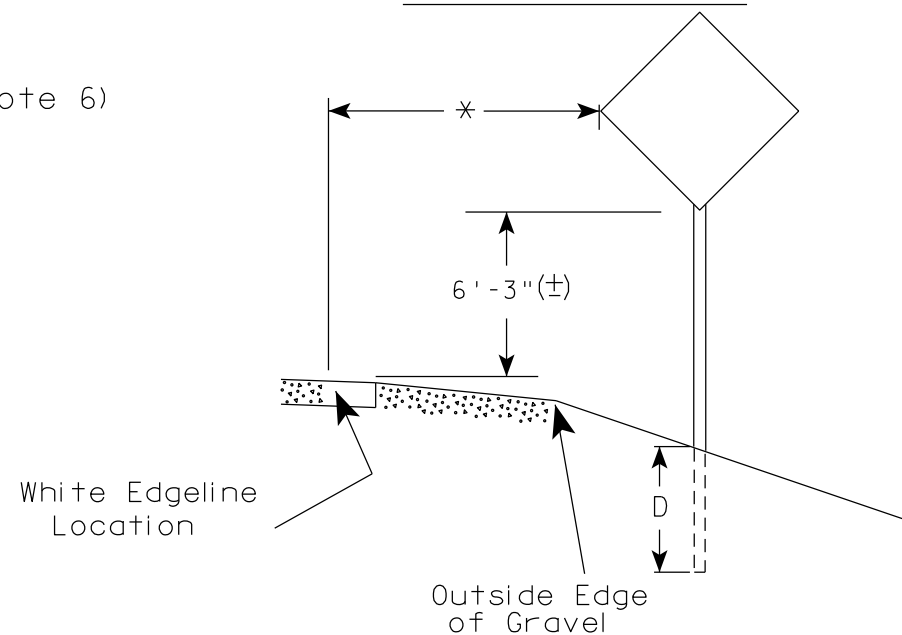
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URBAN AREA



✱✱ The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

RURAL AREA (See Note 2)



✱ 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the Engineer.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

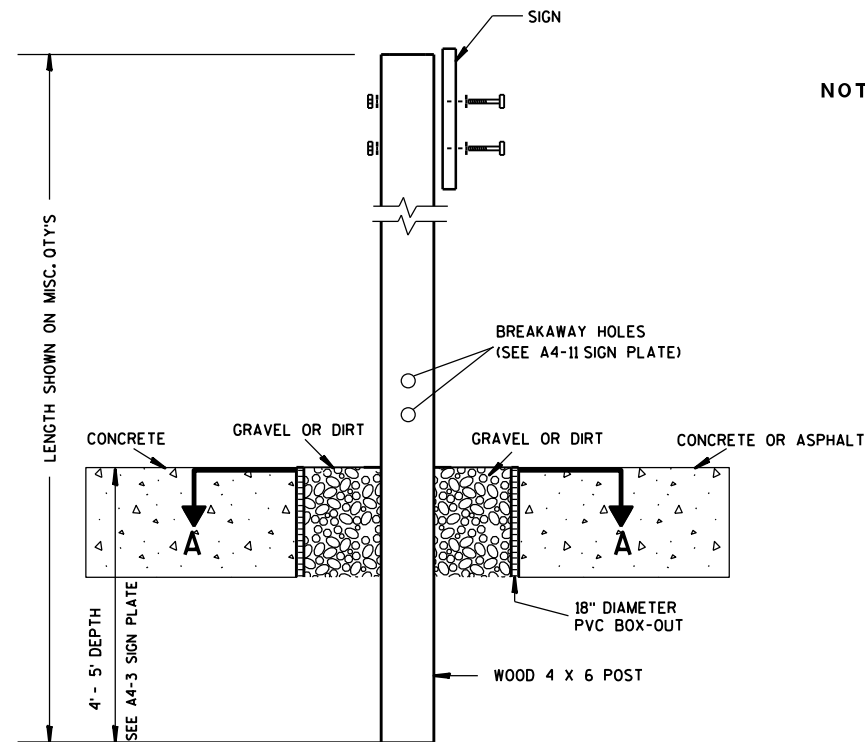
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

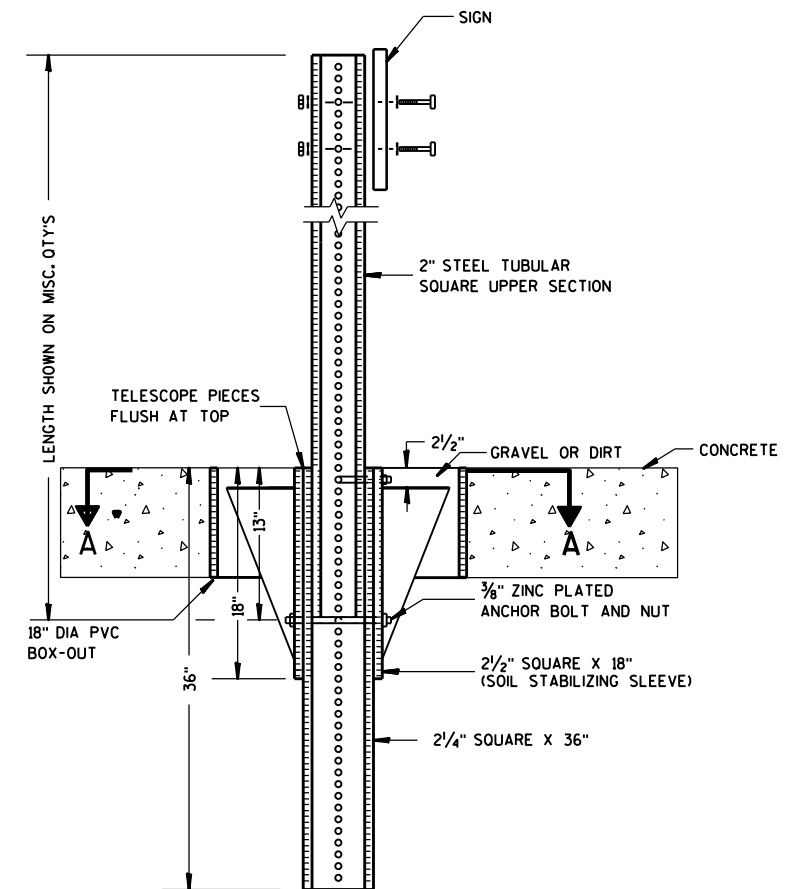
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ELEVATION VIEW

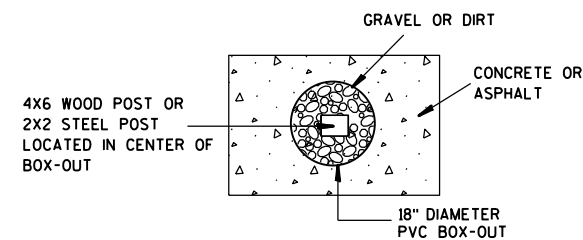
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- NOTES: 1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST
BOX-OUTS
A4-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

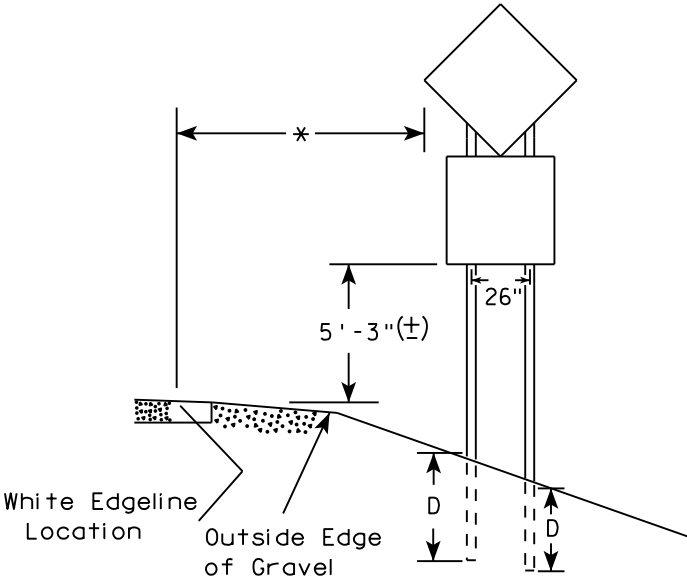
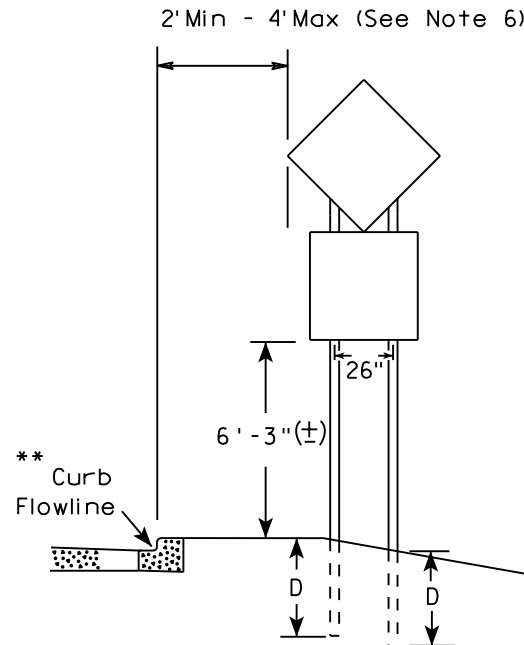
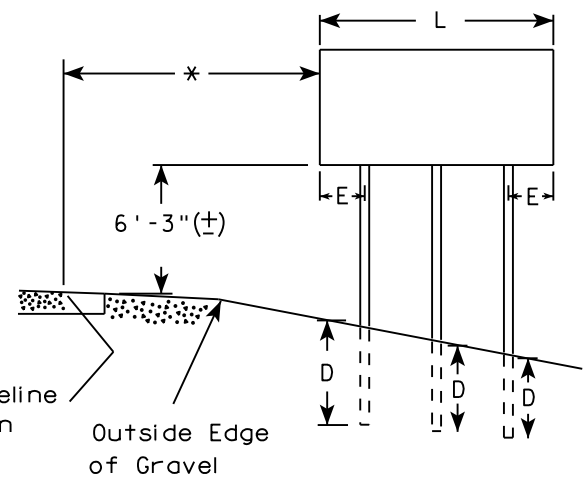
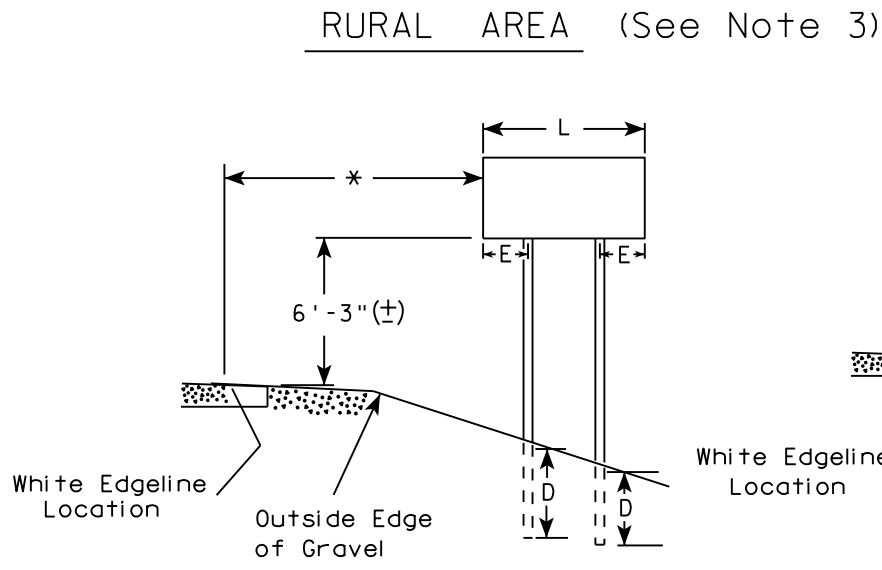
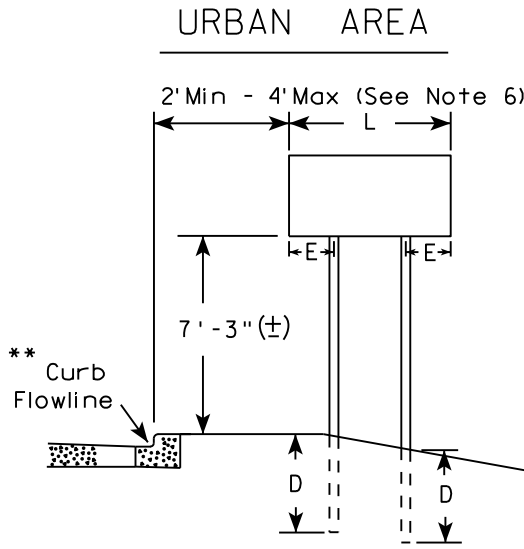
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 108"	L/5

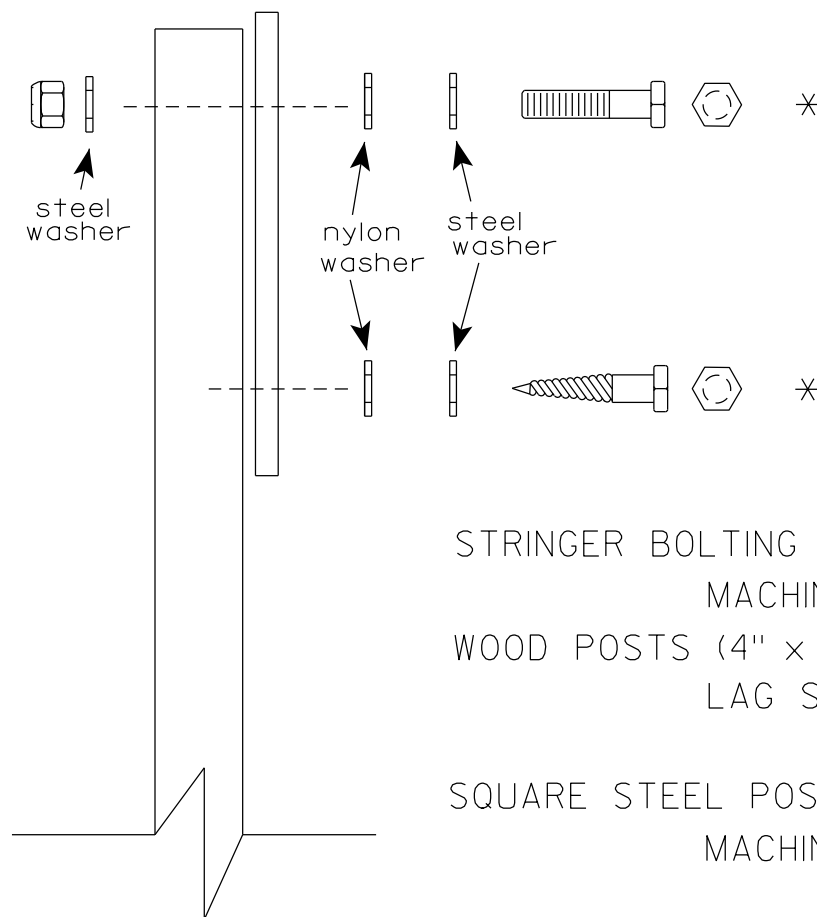
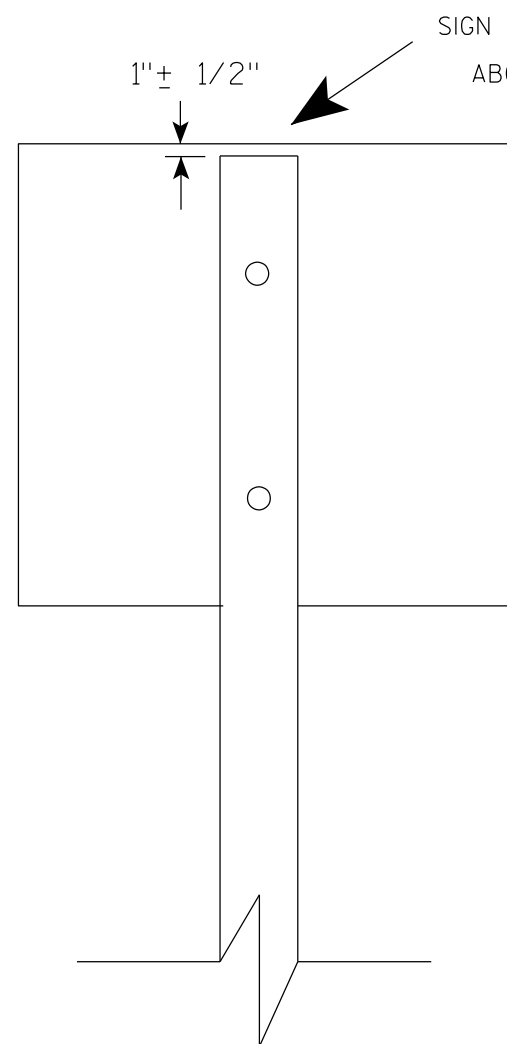
SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

POST EMBEDMENT DEPTH	
Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 8/21/17	PLATE NO. A4-4.15

- GENERAL NOTES
1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
 2. See tables below for required number of posts.
 3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
 4. The (±) tolerance for mounting height is 3 inches.
 5. J-Assemblies are considered to be one sign for mounting height.
 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
 7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- *** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

- a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
- b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

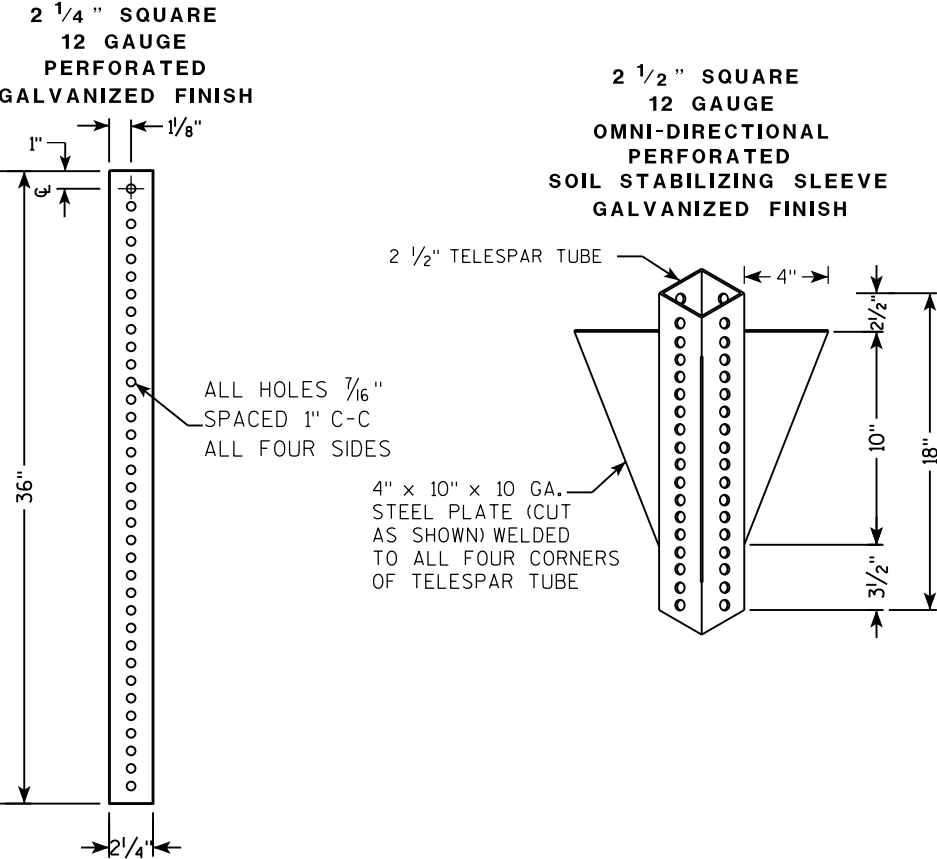
Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

- STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
- MACHINE BOLTS - $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts
- WOOD POSTS (4" x 6")
- LAG SCREWS - $\frac{3}{8}$ " X 3" (NO STRINGERS ON BACK OF SIGN)
 $\frac{3}{8}$ " X 4" (STRINGERS ON BACK OF SIGN)
- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - $\frac{3}{8}$ " X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
 $\frac{3}{8}$ " X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
- RIVETS - $\frac{9}{32}$ " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH
- WASHERS (ALL POSTS) -
- 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL
 - 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON

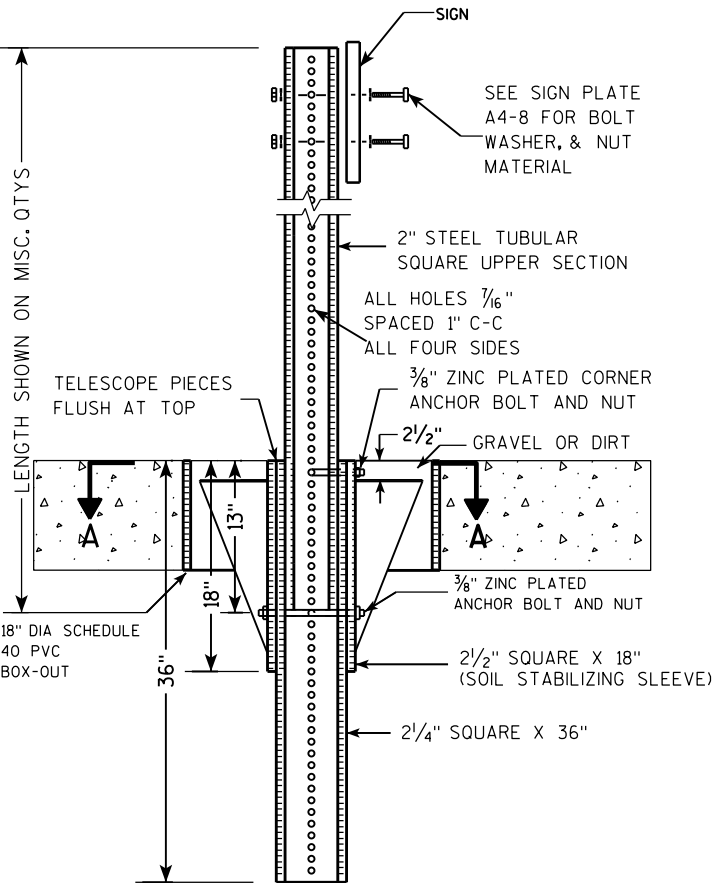
* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 4/1/2020	PLATE NO. A4-8.9

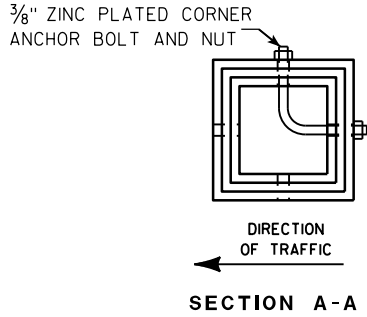
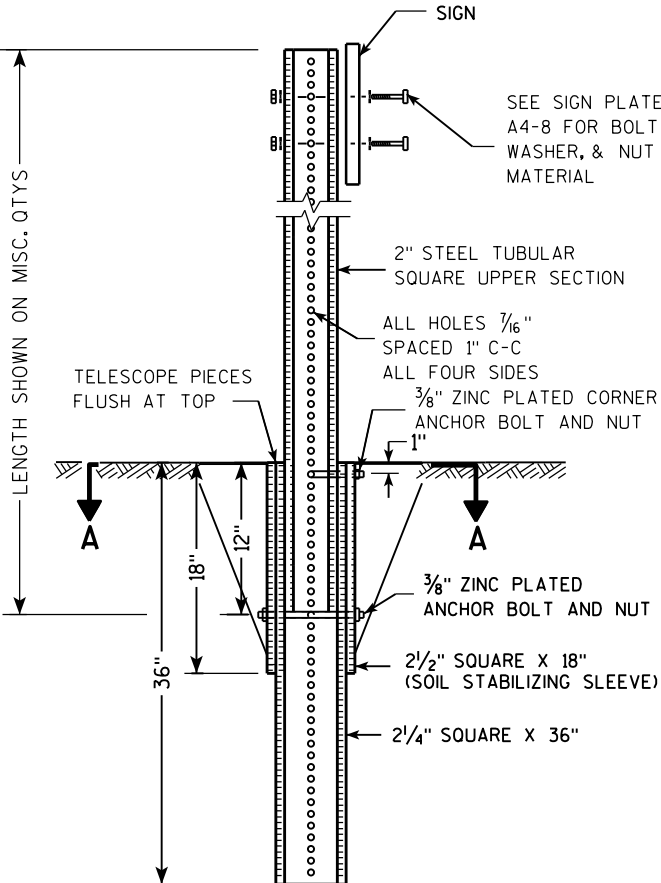
TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM



DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)



Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

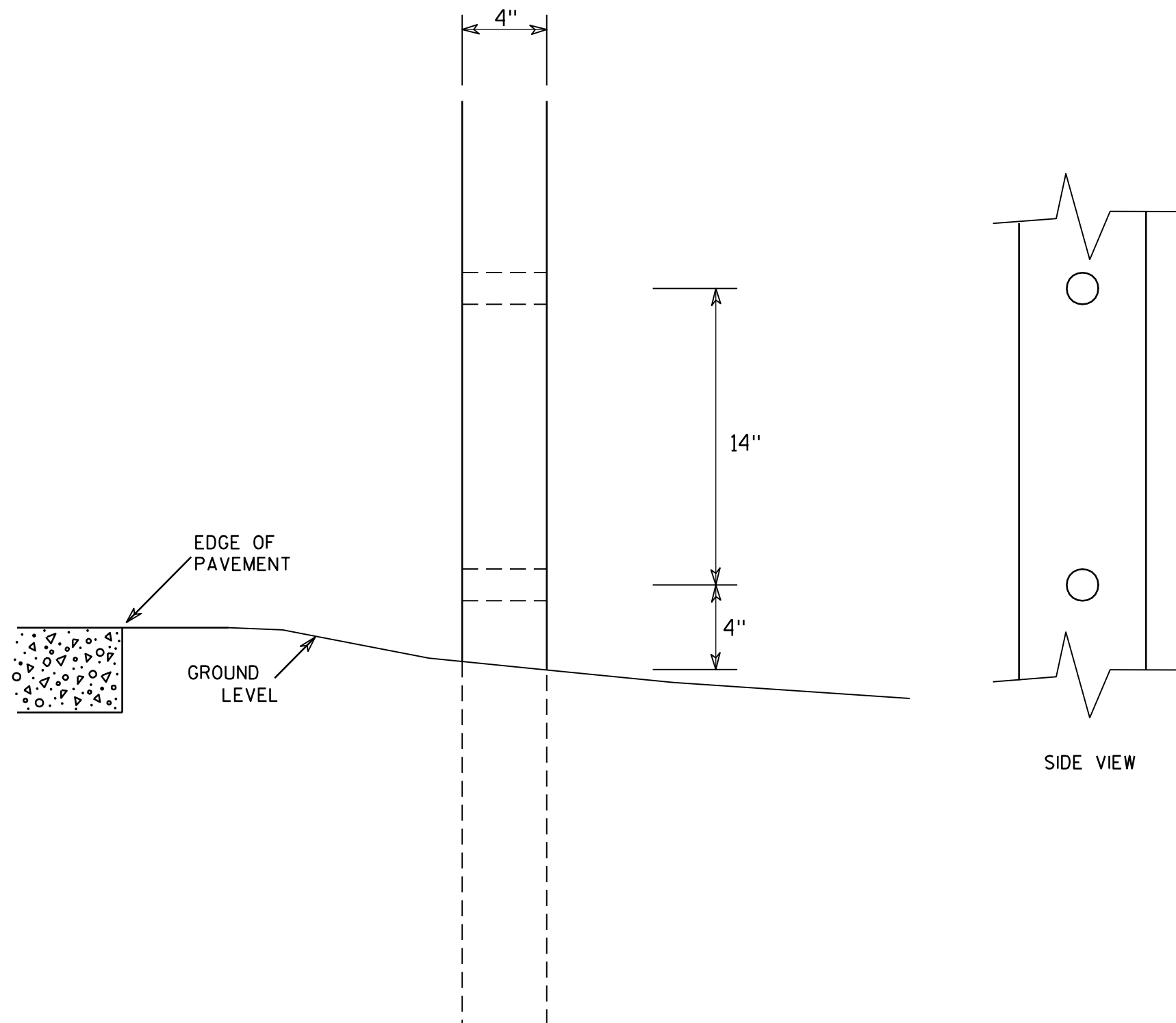
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 2/05/15 PLATE NO. A4-9.9

7



GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 3/27/97

PLATE NO. A4-11.2

PROJECT NO:

HWY:

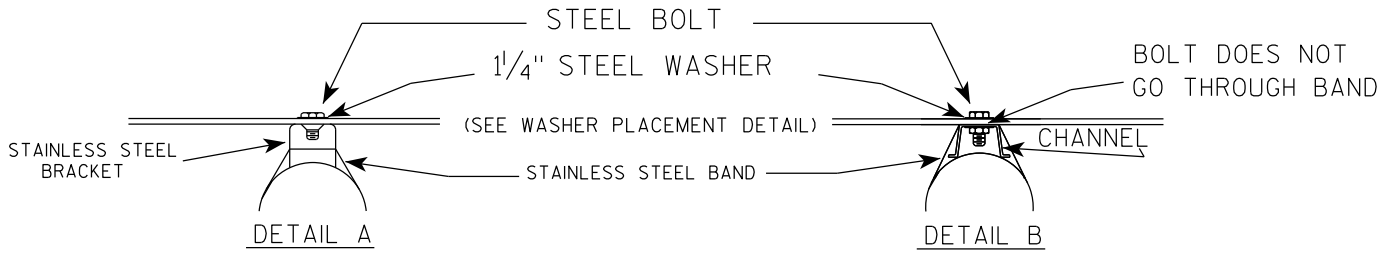
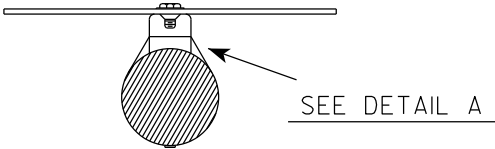
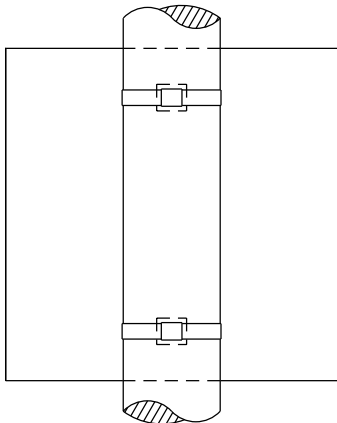
COUNTY:

SHEET NO:

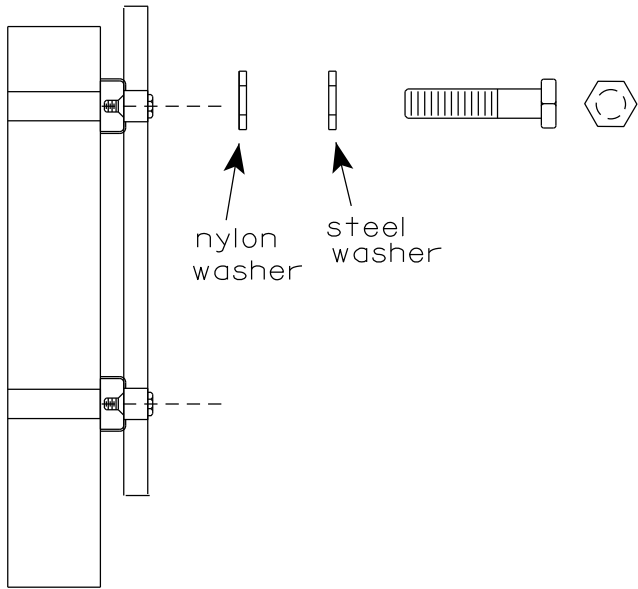
E

BANDING

SINGLE SIGN



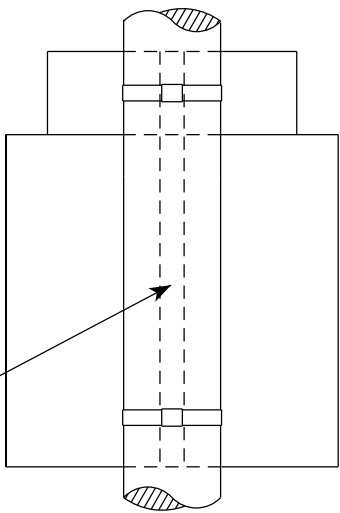
WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET

"J" ASSEMBLY



SEE DETAIL B

- GENERAL NOTES
1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
 3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.
 4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 6/10/19 PLATE NO. A5-9.4

VIEW FROM
BACK

VIEW FROM SIDE

VIEW FROM TOP

GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, $\frac{3}{4}$ " WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORMALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE $1\frac{1}{4}$ " O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ "
8. NYLON WASHERS SHALL BE $1\frac{1}{4}$ " O.D. X $\frac{3}{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✱ LAG BOLTS SHALL BE $\frac{3}{8}$ " X $2\frac{1}{2}$ "

BLOCK BANDING DETAIL
(V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R. Rauch
for State Traffic Engineer

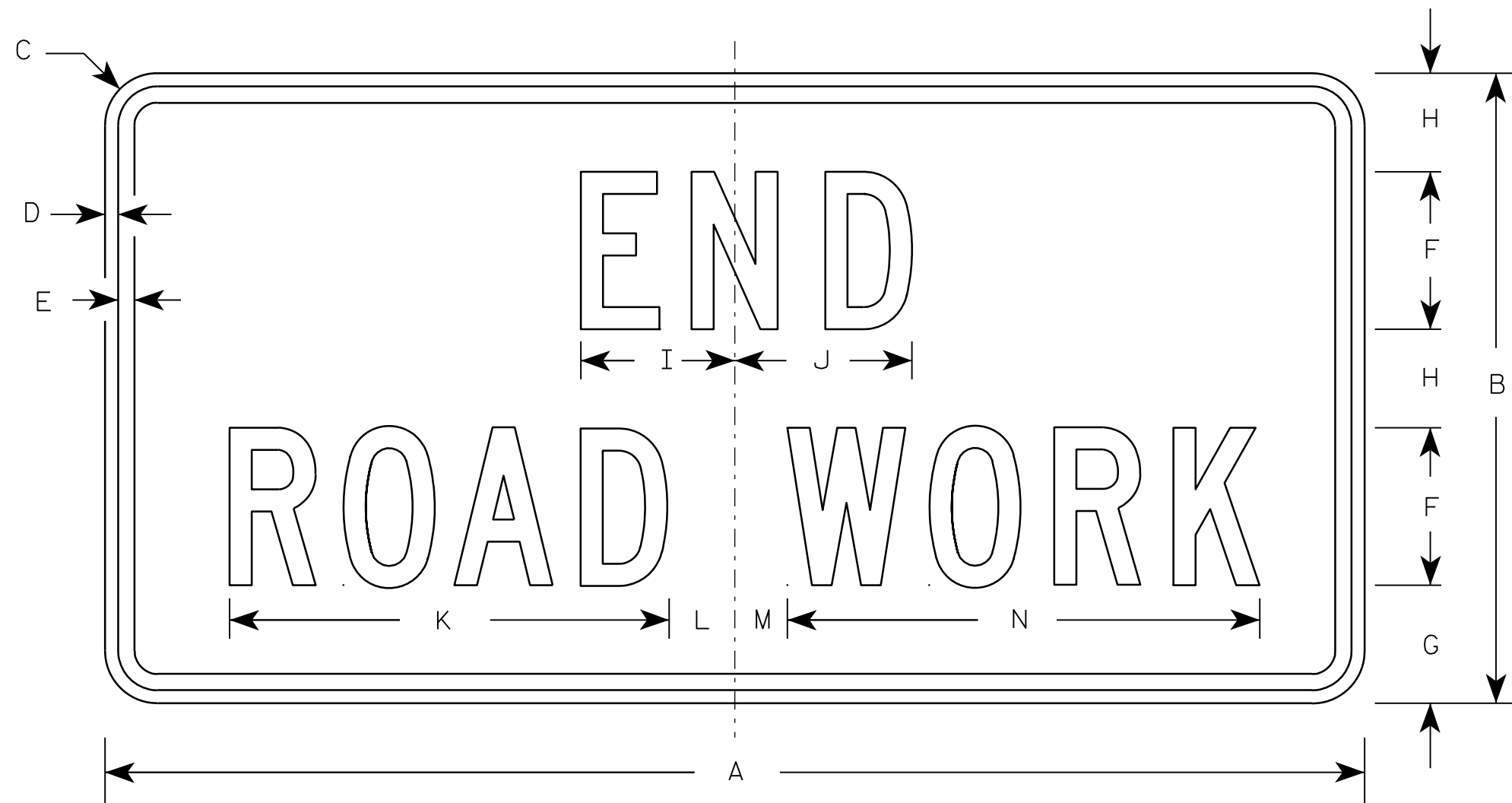
DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO:

SHEET NO:

E

7



G20-2A

Metric equivalent
for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area sq. m.
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

NOTES

- Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - Orange
Message - Black
- Message Series - C
- Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

PROJECT NO:

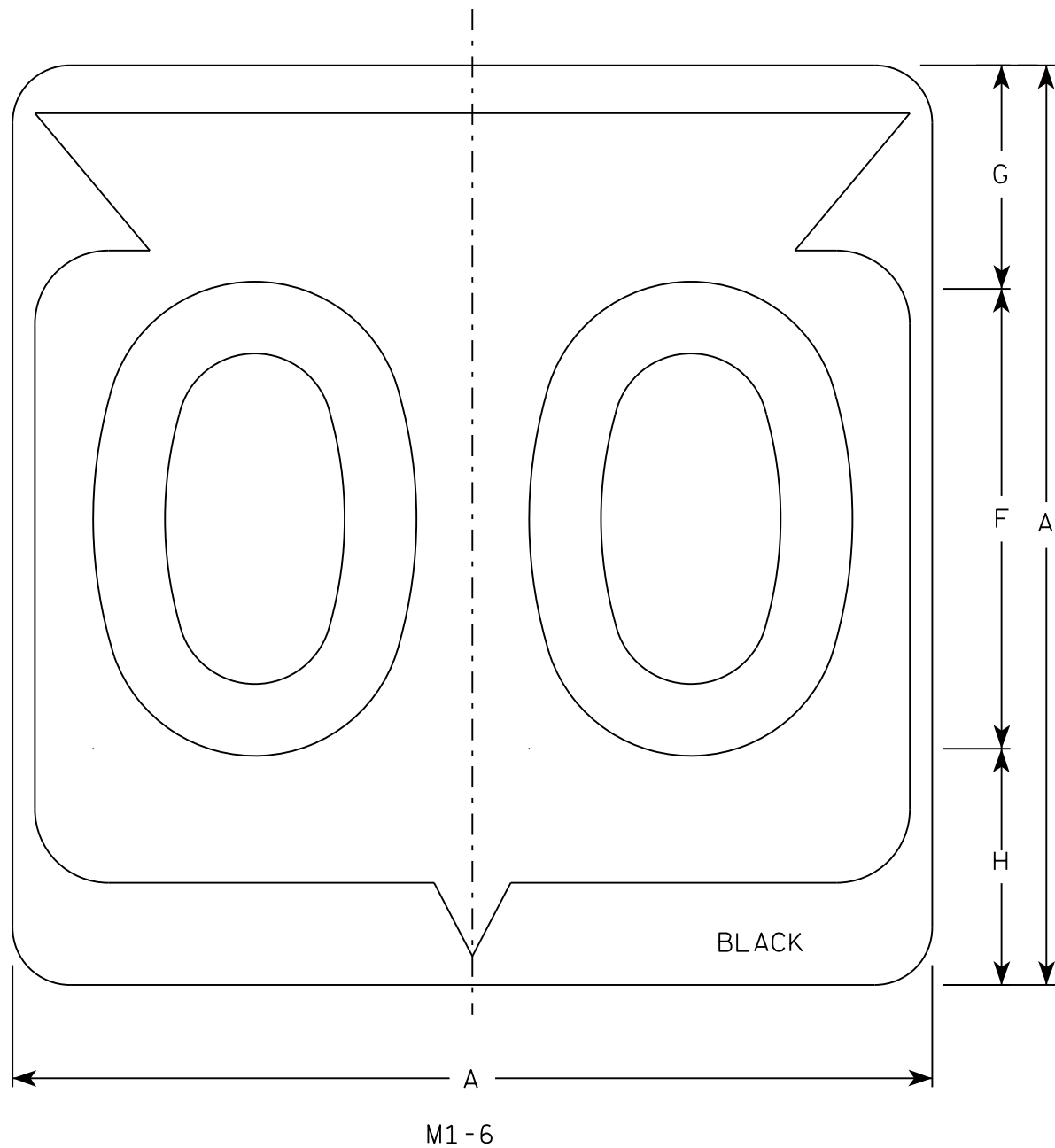
HWY:

COUNTY:

SHEET NO:

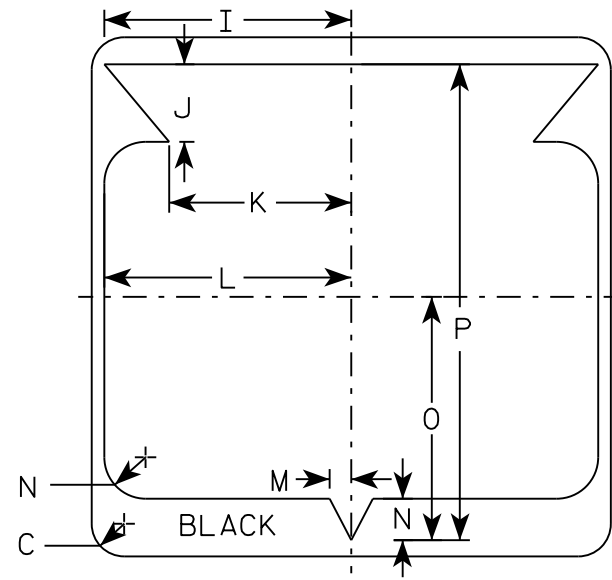
E

7



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - White
Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E
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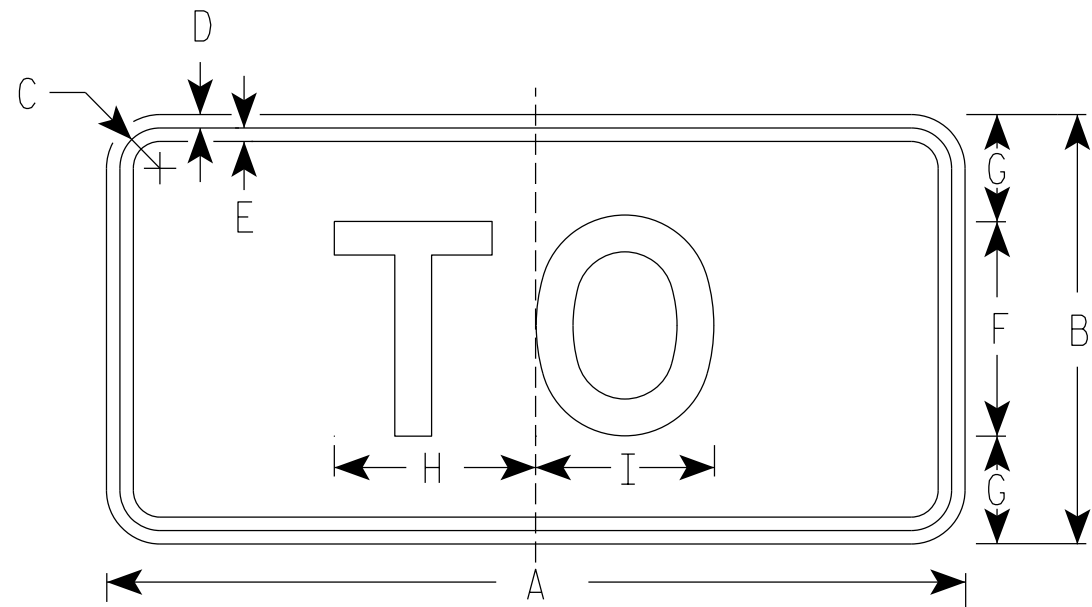
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

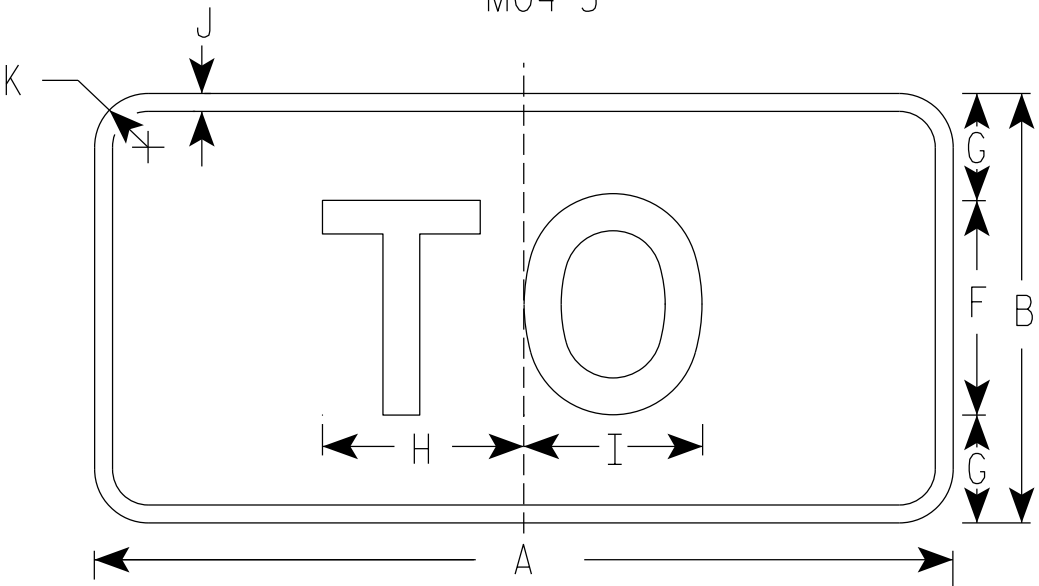
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

7



M4-5
MM4-5
MP4-5
M04-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - See note 5
Message - See note 5
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-5 Background - White
Message - Black
MB4-5 Background - Blue
Message - White
MK4-5 Background - Green
Message - White
MM4-5 Background - White
Message - Green
MN4-5 Background - Brown
Message - White
MP4-5 Background - White
Message - Blue
M04-5 Background - Orange Type F Reflective
Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

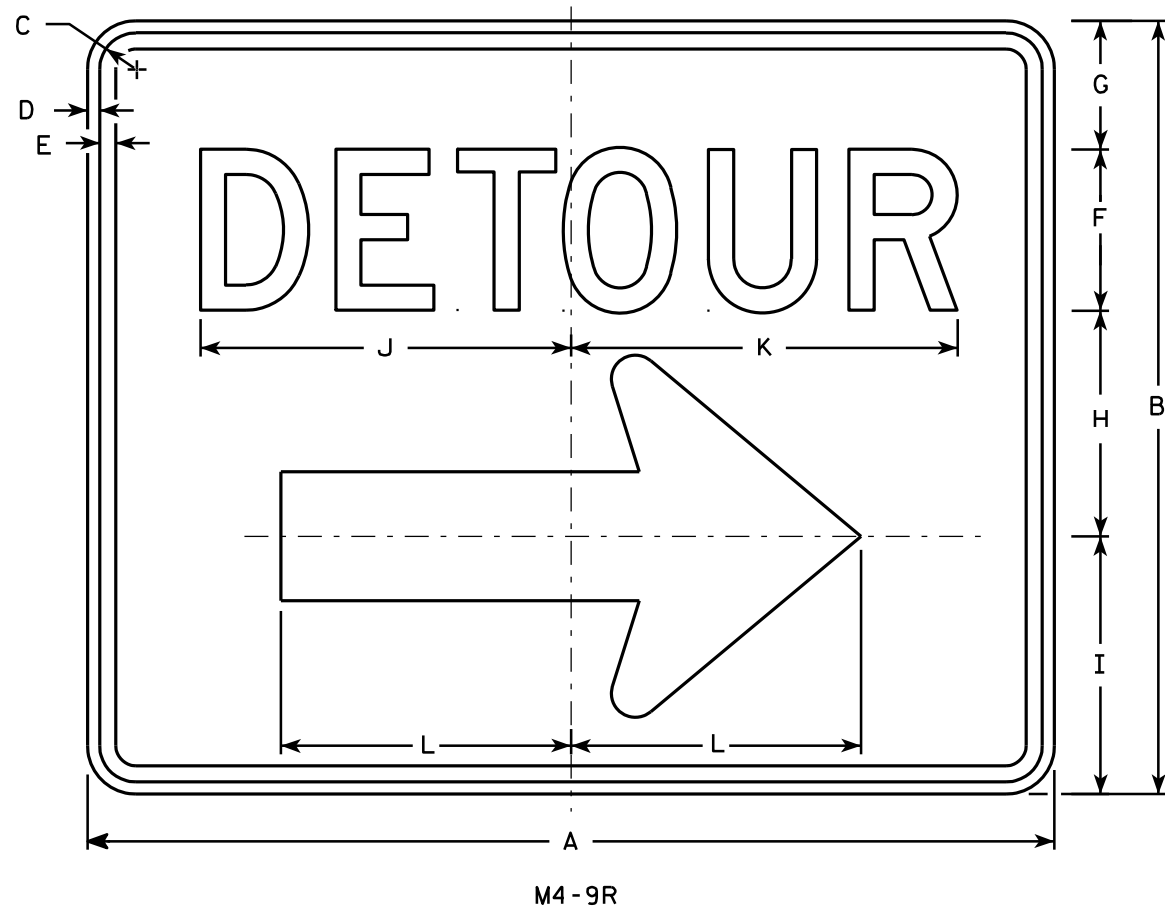
STANDARD SIGN
M4-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
State Traffic Engineer

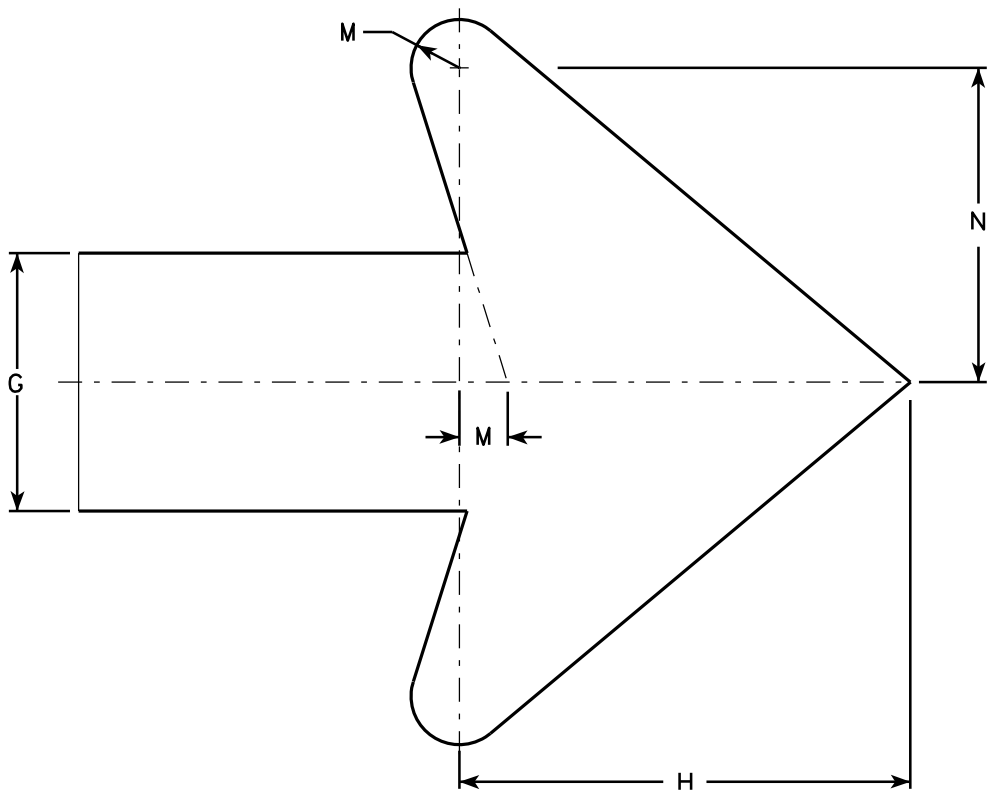
DATE 03/7/19 PLATE NO. M4-5.9

7



NOTES

- 1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Orange
Message - Black
- 3. Message Series - D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

STANDARD SIGN

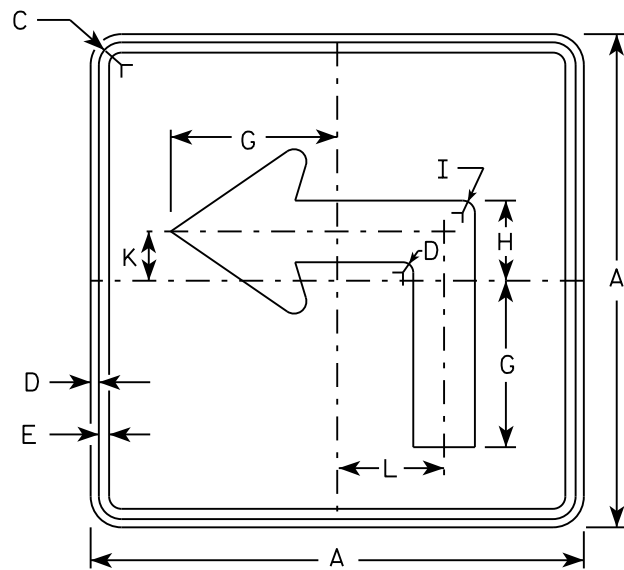
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

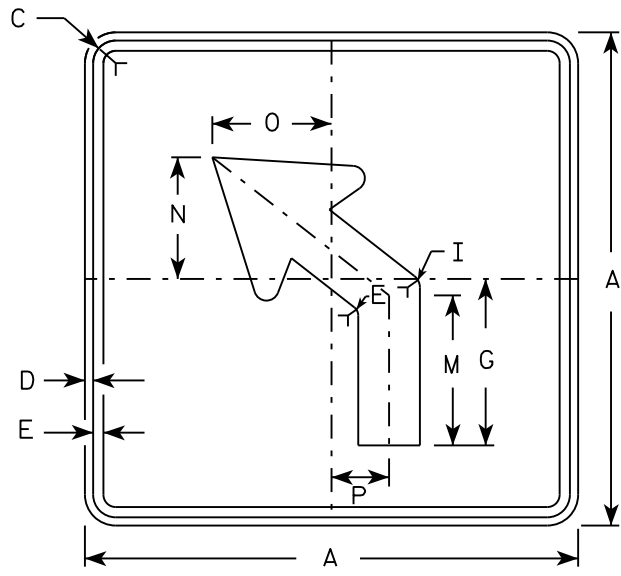
APPROVED *Matthew R. Rauch*

For State Traffic Engineer

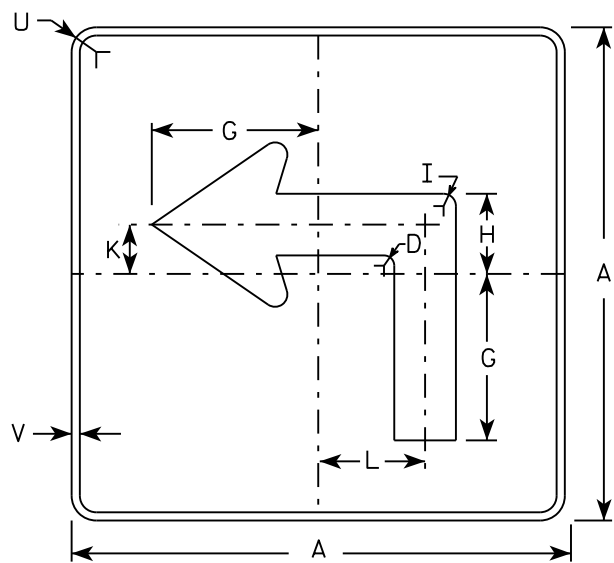
DATE 3/9/11 PLATE NO. M4-9R.4



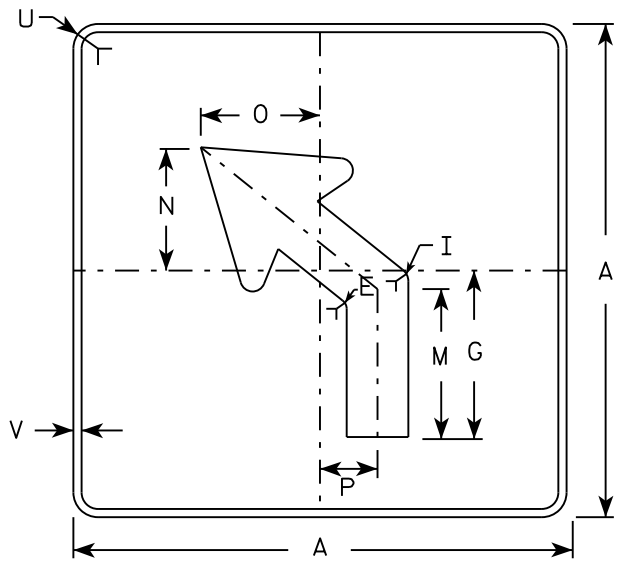
M5-1L
MM5-1L
M05-1L
MP5-1L



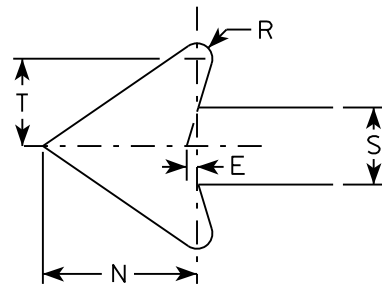
M5-2L
MM5-2L
M05-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

- Signs are Type II - Type H reflective except as shown
- Color:
Background - See note 4
Message - See note 4
- Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- M5-1 and M5-2 Background - White
Message - Black
MB5-1 and MB5-2 Background - Blue
Message - White
MK5-1 and MK5-2 Background - Green
Message - White
MM5-1 and MM5-2 Background - White
Message - Green
MN5-1 and MN5-2 Background - Brown
Message - White
M05-1 and M05-2 Background - Orange - Type F Reflective
Message - Black
MP5-1 and MP5-2 Background - White - Type H Reflective
Message - Blue
MR5-1 and MR5-2 Background - Brown
Message - Yellow
- M5-1R same as M5-1L except arrow points right.
- M5-2R same as M5-2L except arrow tilts right.

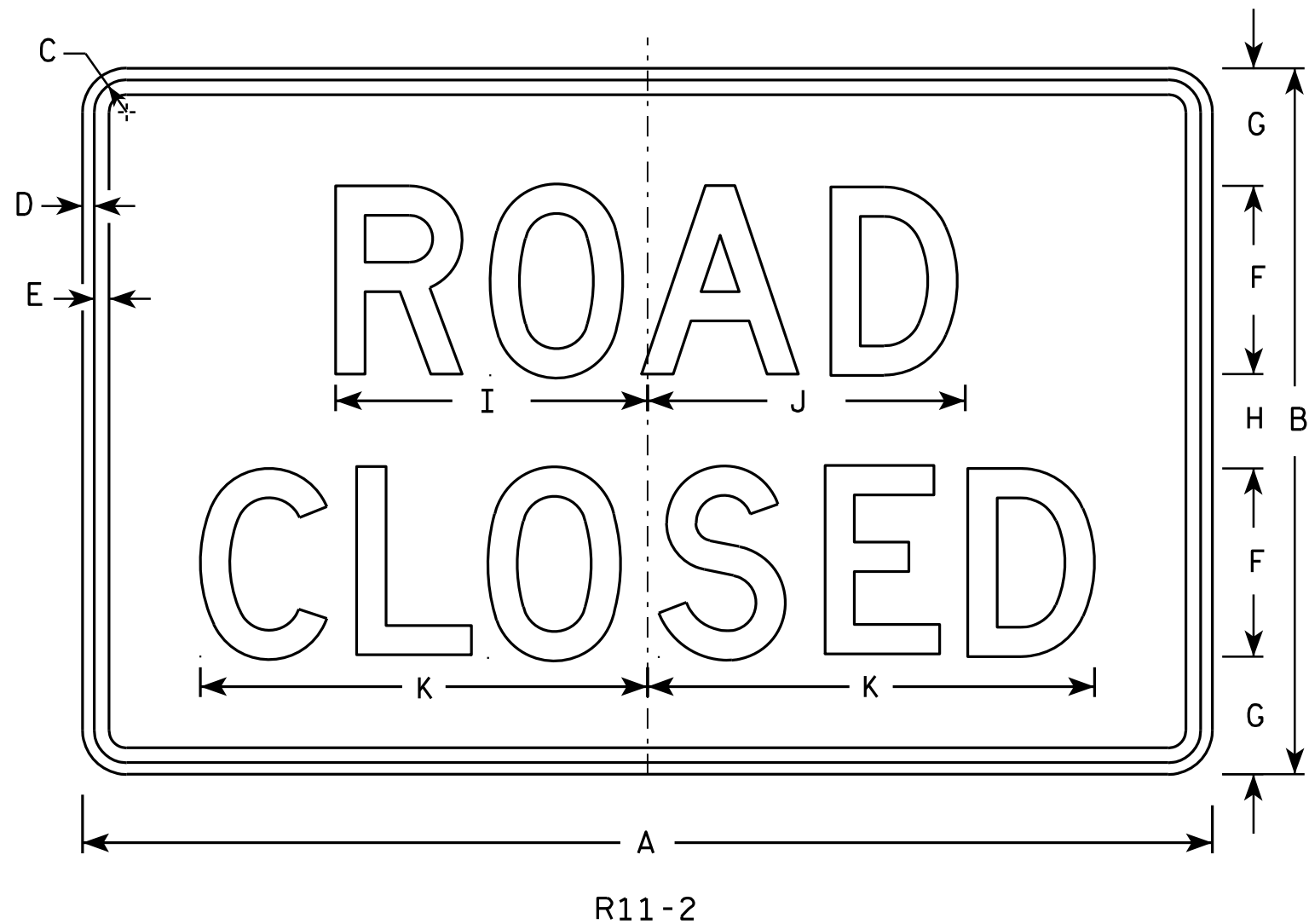
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

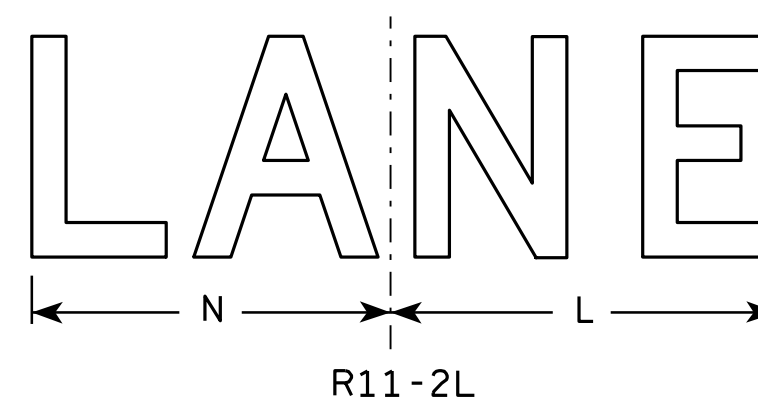
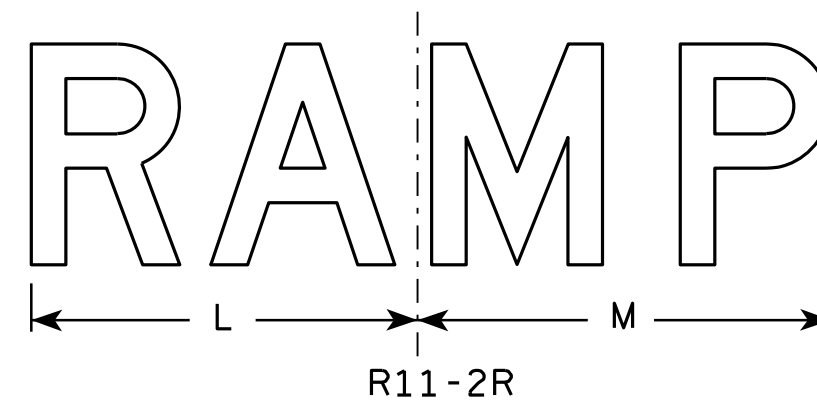
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 10/15/15 PLATE NO. M5-1.13



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3⁄8	1⁄2	5⁄8	8	5	4	13 1⁄4	13 1⁄2	19	14	15	13													10.0
2M	48	30	1 3⁄8	1⁄2	5⁄8	8	5	4	13 1⁄4	13 1⁄2	19	14	15	13													10.0
3	48	30	1 3⁄8	1⁄2	5⁄8	8	5	4	13 1⁄4	13 1⁄2	19	14	15	13													10.0
4	48	30	1 3⁄8	1⁄2	5⁄8	8	5	4	13 1⁄4	13 1⁄2	19	14	15	13													10.0
5	48	30	1 3⁄8	1⁄2	5⁄8	8	5	4	13 1⁄4	13 1⁄2	19	14	15	13													10.0

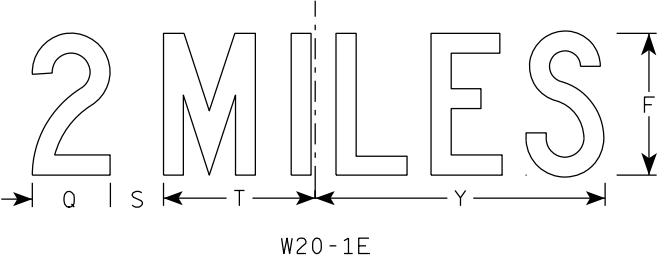
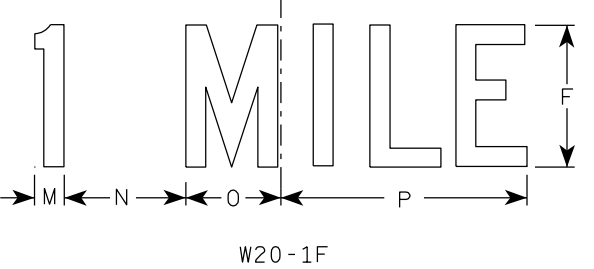
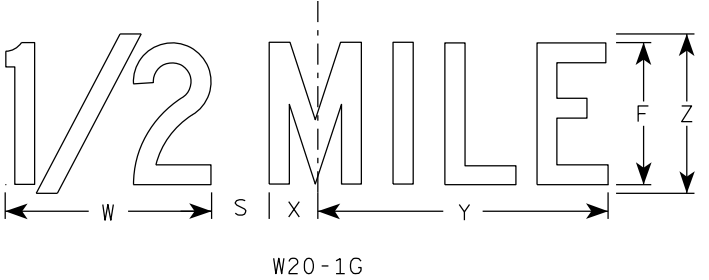
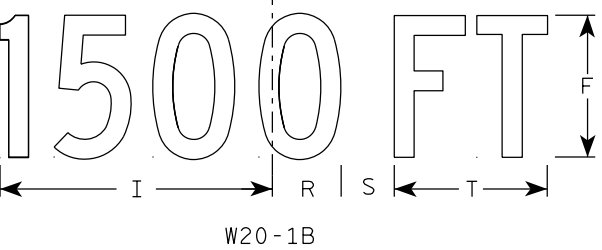
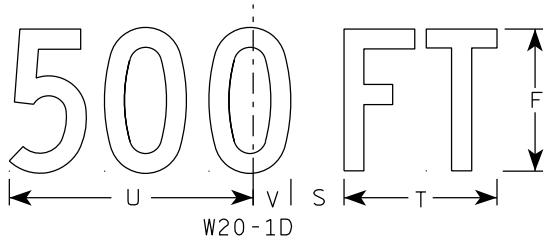
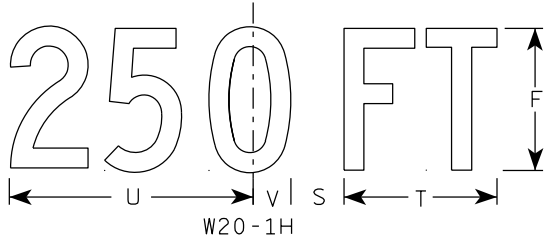
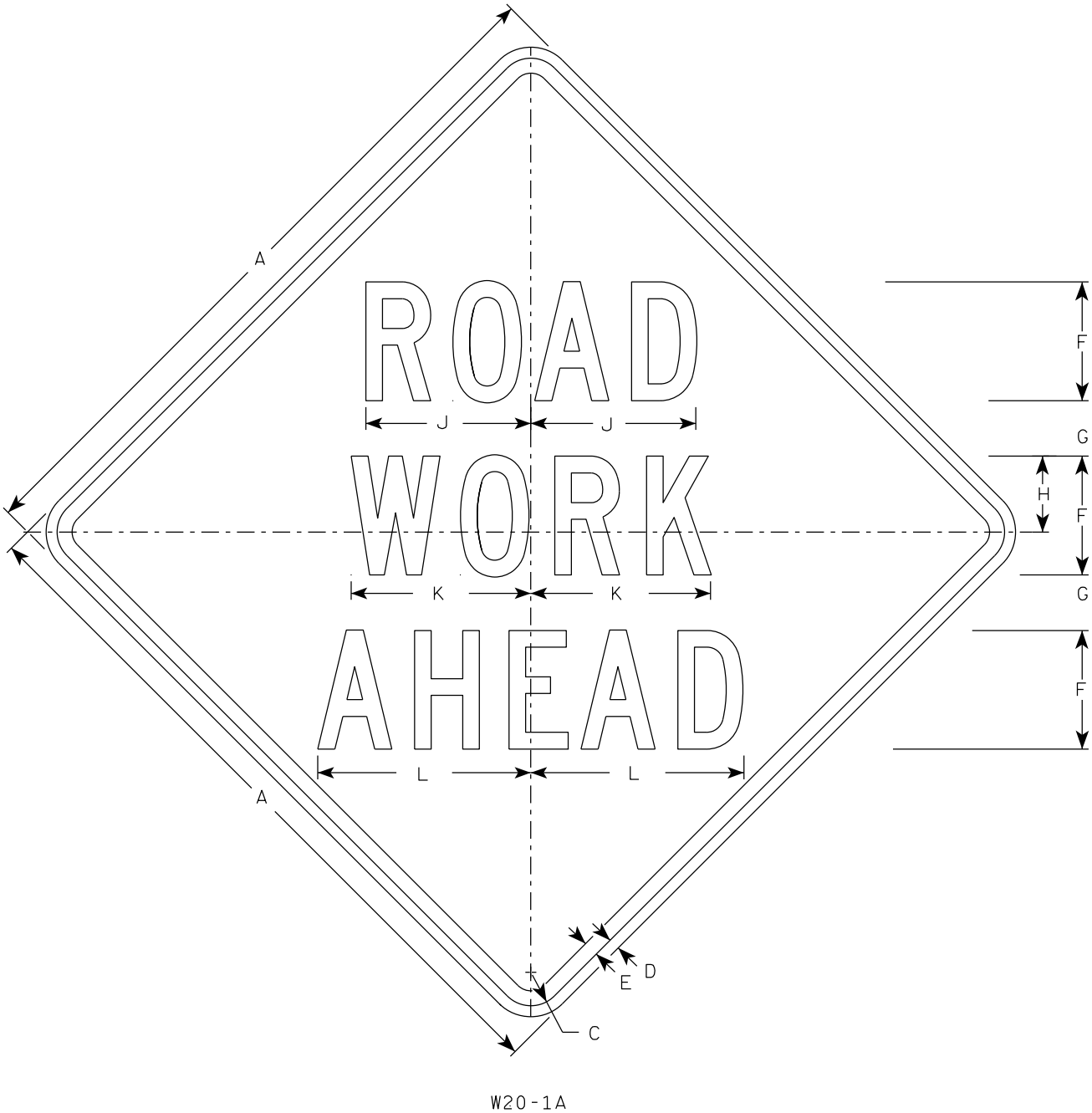
STANDARD SIGN R11-2

WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO: HWY: COUNTY: SHEET NO: E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



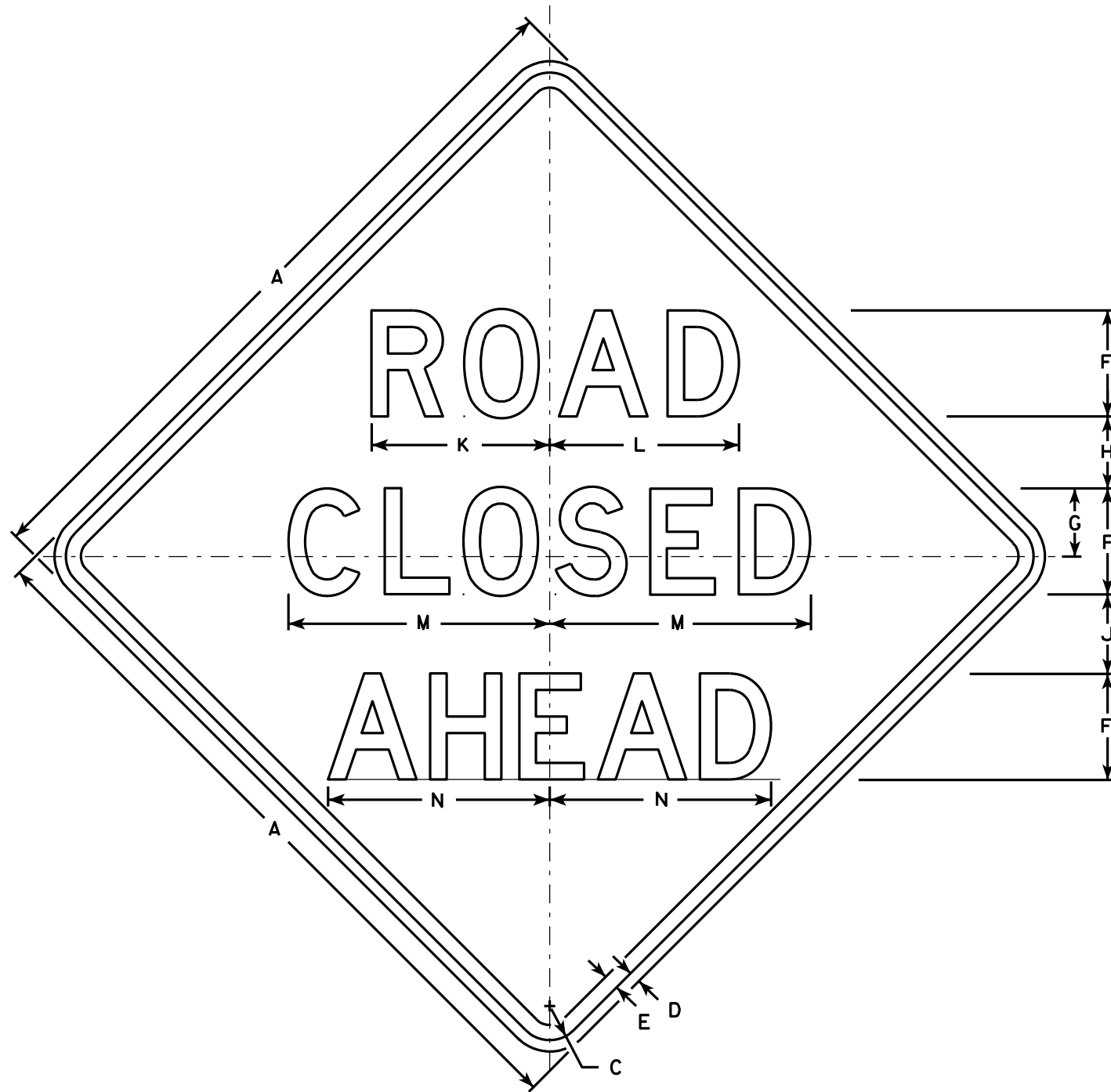
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A _{req} sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11



W20-3A

500 FT

W20-3D

1000 FT

W20-3C

1500 FT

W20-3B

1/2 MILE

W20-3G

1 MILE

W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

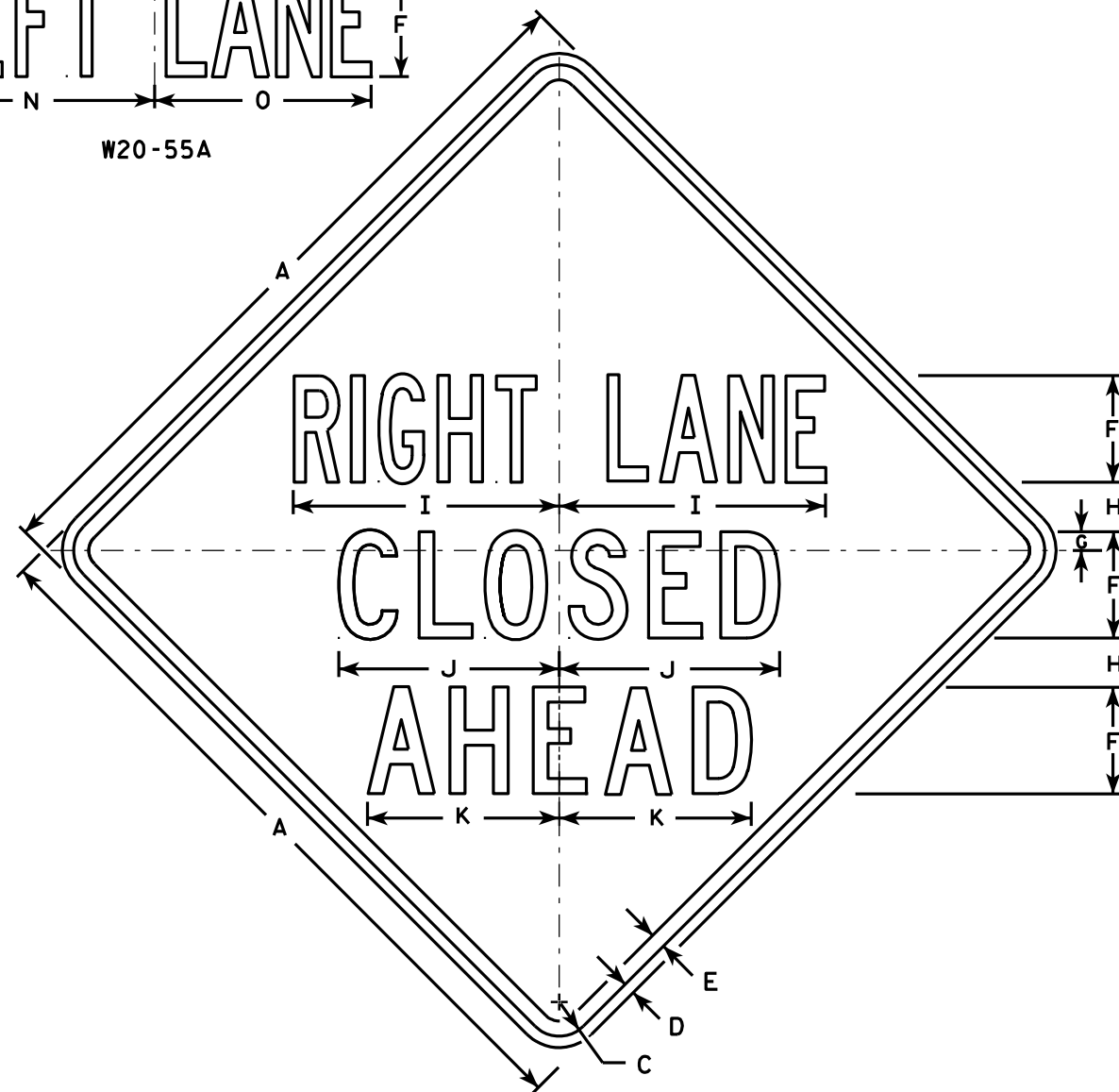
E

CENTER LANE

W20-56A

LEFT LANE

W20-55A



W20-5A

500 FT

W20-5D

1000 FT

W20-5C

1500 FT

W20-5B

1/2 MILE

W20-5G

1 MILE

W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. "----- LANE" is Series B.
All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	7/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

PROJECT NO:

HWY:

COUNTY:

STANDARD SIGN
W20-5A, B, C, D, F & G

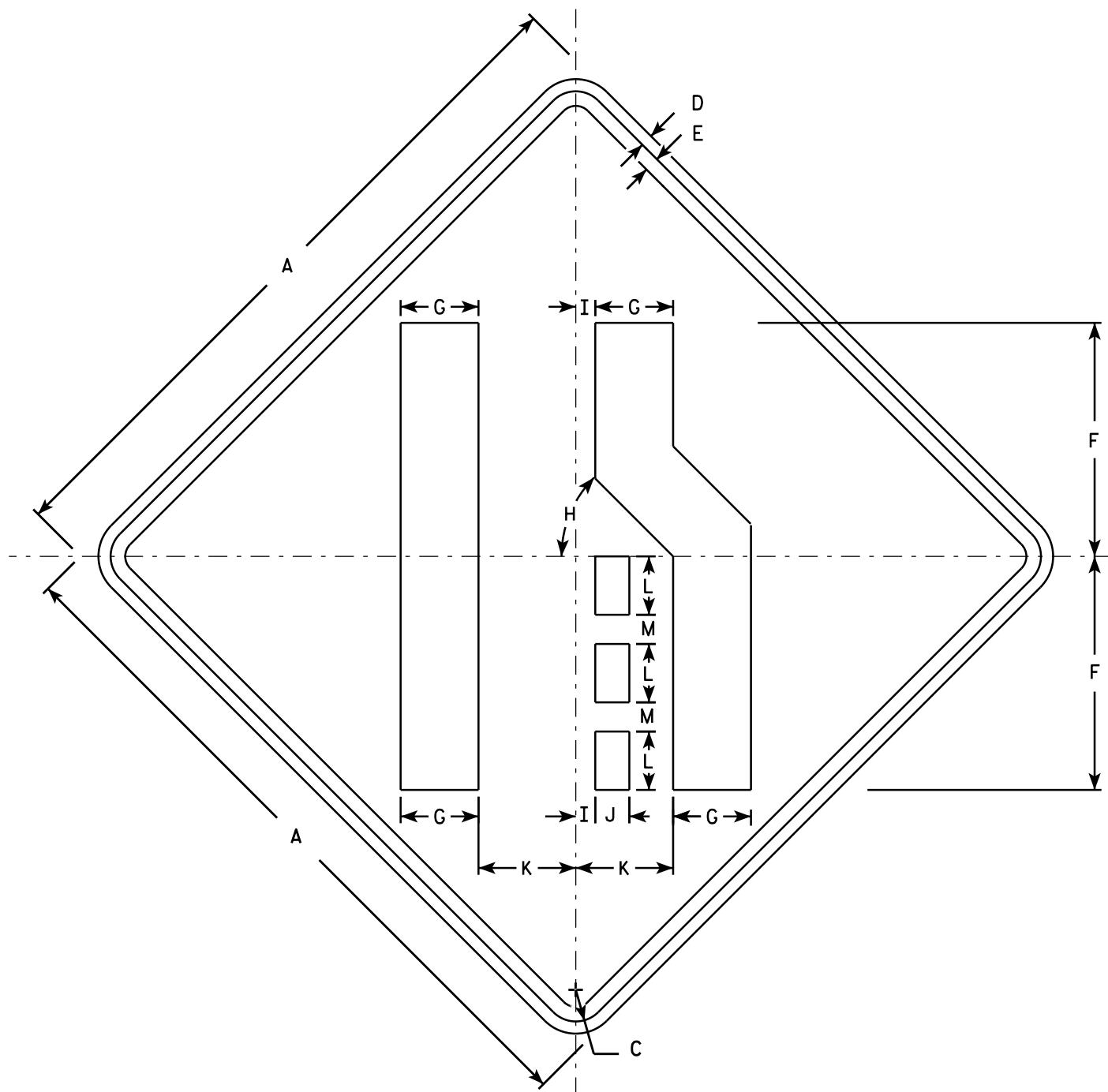
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

SHEET NO:

E



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN

W04-2

WISCONSIN DEPT OF TRANSPORTATION

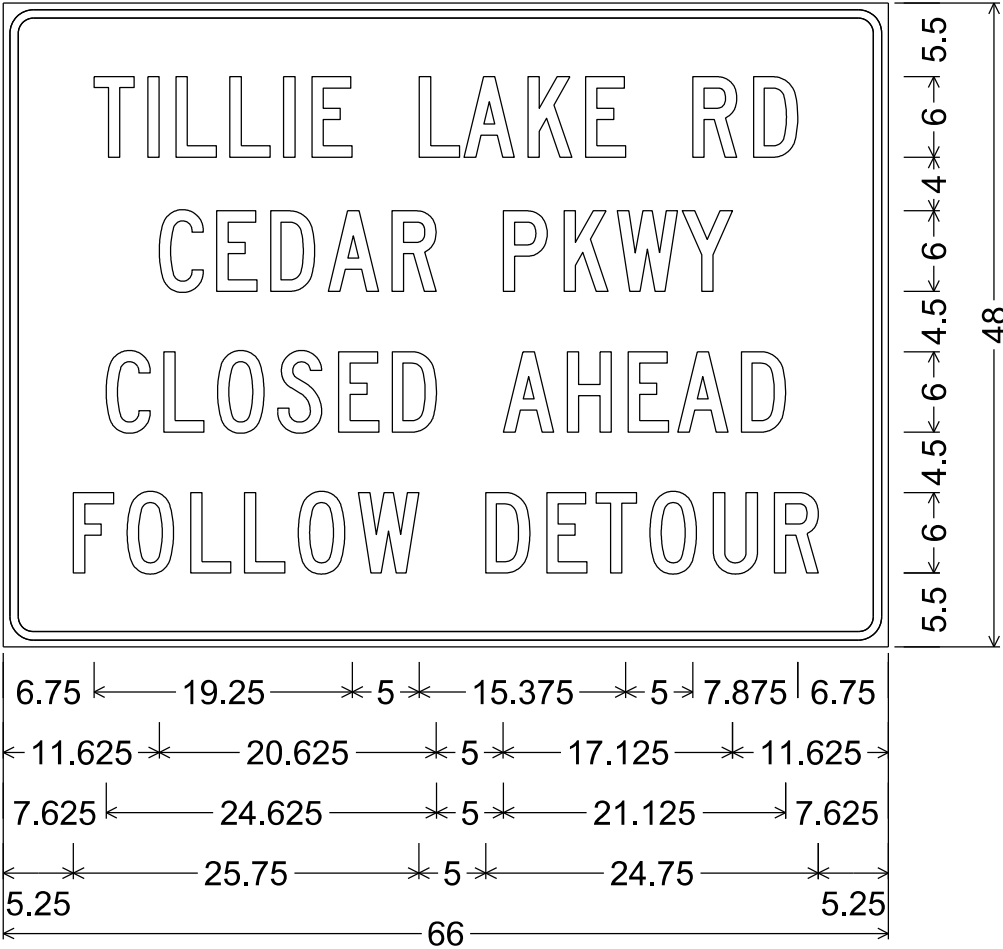
APPROVED

Matthew R. Rauch

For State Traffic Engineer

DATE 11/20/13

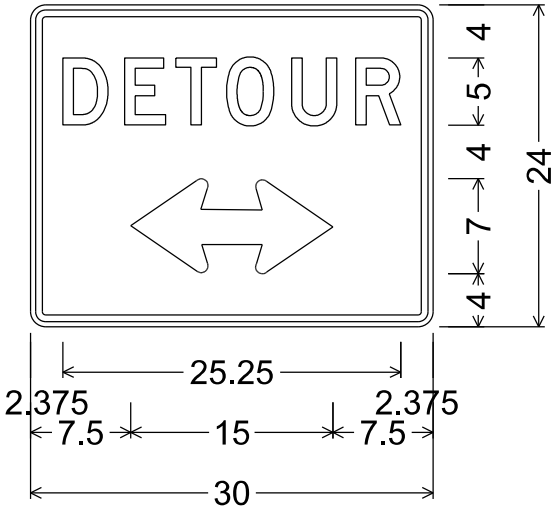
PLATE NO. W04-2.1



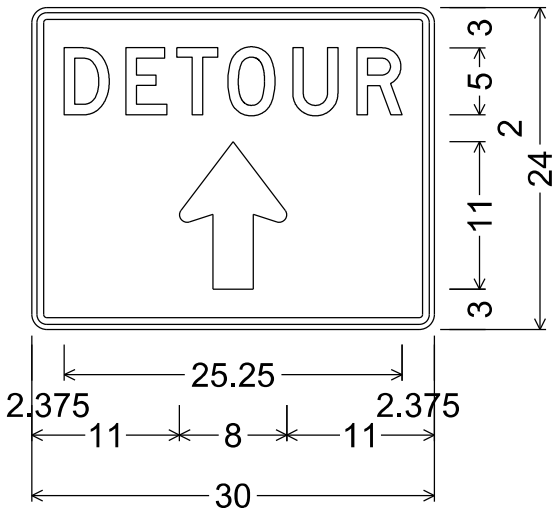
2.250" Radius, 0.625" Border, 0.500" Indent;
"TILLIE", C; "LAKE", C; "RD", C; "CEDAR", C;
"PKWY", C; "CLOSED", C; "AHEAD", C;
"FOLLOW", C; "DETOUR", C;

NOTES

1. Fixed Message Signs Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - D except as noted

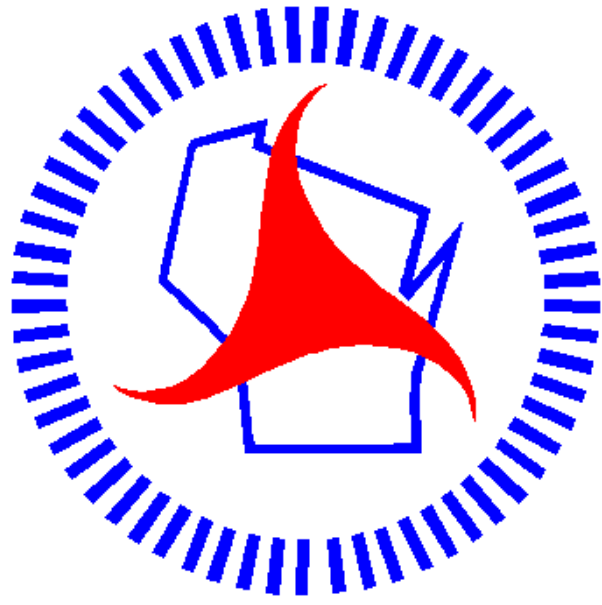


M4-9 (MOD)
1.125" Radius, 0.500" Border, 0.375" Indent



M4-9 (MOD)
1.125" Radius, 0.500" Border, 0.375" Indent

Notes



Wisconsin Department of Transportation

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