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Sheet No.		Typical Sections and Details
Sheet No.		Estimate of Quantities
Sheet No.		Miscellaneous Quantities
Sheet No.		Standard Detail Drawings

TOTAL SHEETS = 30

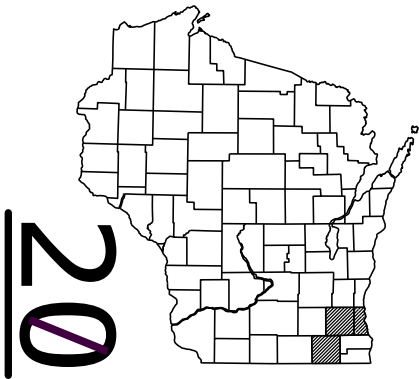
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

SPECIAL PAVEMENT MARKING - 2013

VARIOUS HIGHWAYS  
SE REGION WIDE

STATE PROJECT NUMBER  
1000-77-10



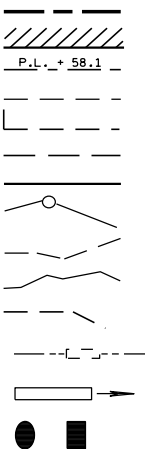
WAUKESHA COUNTY

MILWAUKEE COUNTY

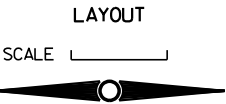
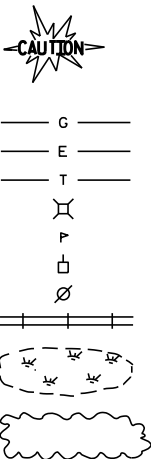
WALWORTH COUNTY

CONVENTIONAL SIGNS

COUNTY LINE  
CORPORATE LIMITS  
PROPERTY LINE  
LOT LINE  
LIMITED EASEMENT  
EXISTING RIGHT OF WAY  
PROPOSED OR NEW R/W LINE  
SURVEY LINE  
SLOPE INTERCEPT  
ORIGINAL GROUND  
MARSH OR ROCK PROFILE  
EXISTING CULVERT  
PROPOSED CULVERT  
(Box or Pipe)  
CULVERT (Profile View)



COMBUSTIBLE FLUIDS  
UNDERGROUND UTILITIES  
GAS  
ELECTRIC  
TELEPHONE OR TELEGRAPH  
SERVICE PEDESTAL  
CABLE MARKER  
POWER POLE  
TELEPHONE POLE  
RAILROAD  
MARSH AREA  
WOODED OR SHRUB AREA



PROJECT ID 1000-77-10 = 0.000 MI.

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor \_\_\_\_\_  
Designer DONALD STEEL  
Project Manager TOM HEYDEL  
Regional Examiner \_\_\_\_\_  
Regional Supervisor HANS HIGDON  
C.O. Examiner \_\_\_\_\_

APPROVED FOR THE DEPARTMENT

DATE: 1/24/13 *Thomas Heydel, P.E.*  
(Signature)

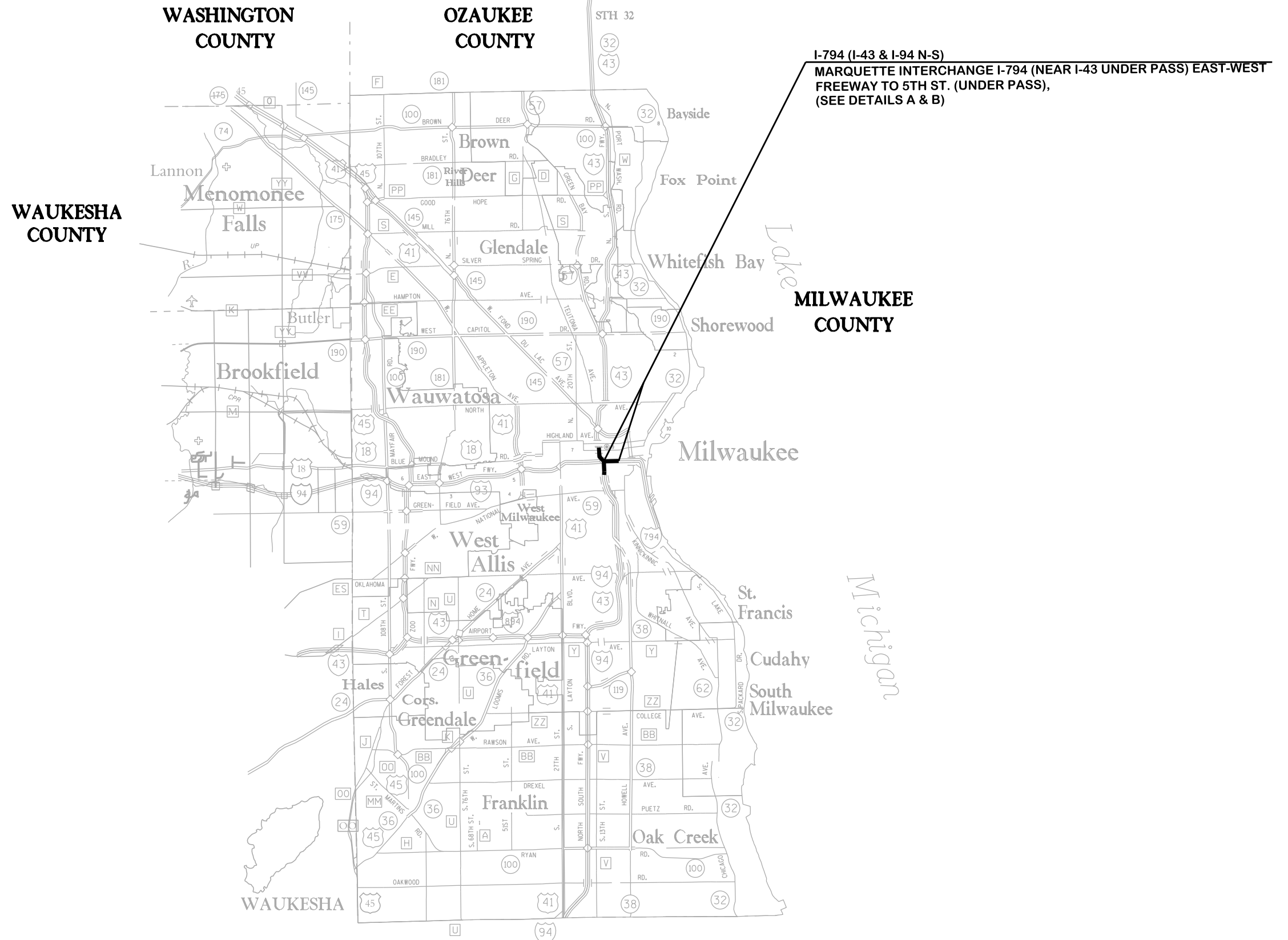
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**CONTACTS:**

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



**Call 811 3 Work Days Before You Dig  
Or Toll Free (800) 242-8511  
Hearing Impaired TDD (800) 542-2289  
[www.DiggersHotline.com](http://www.DiggersHotline.com)**





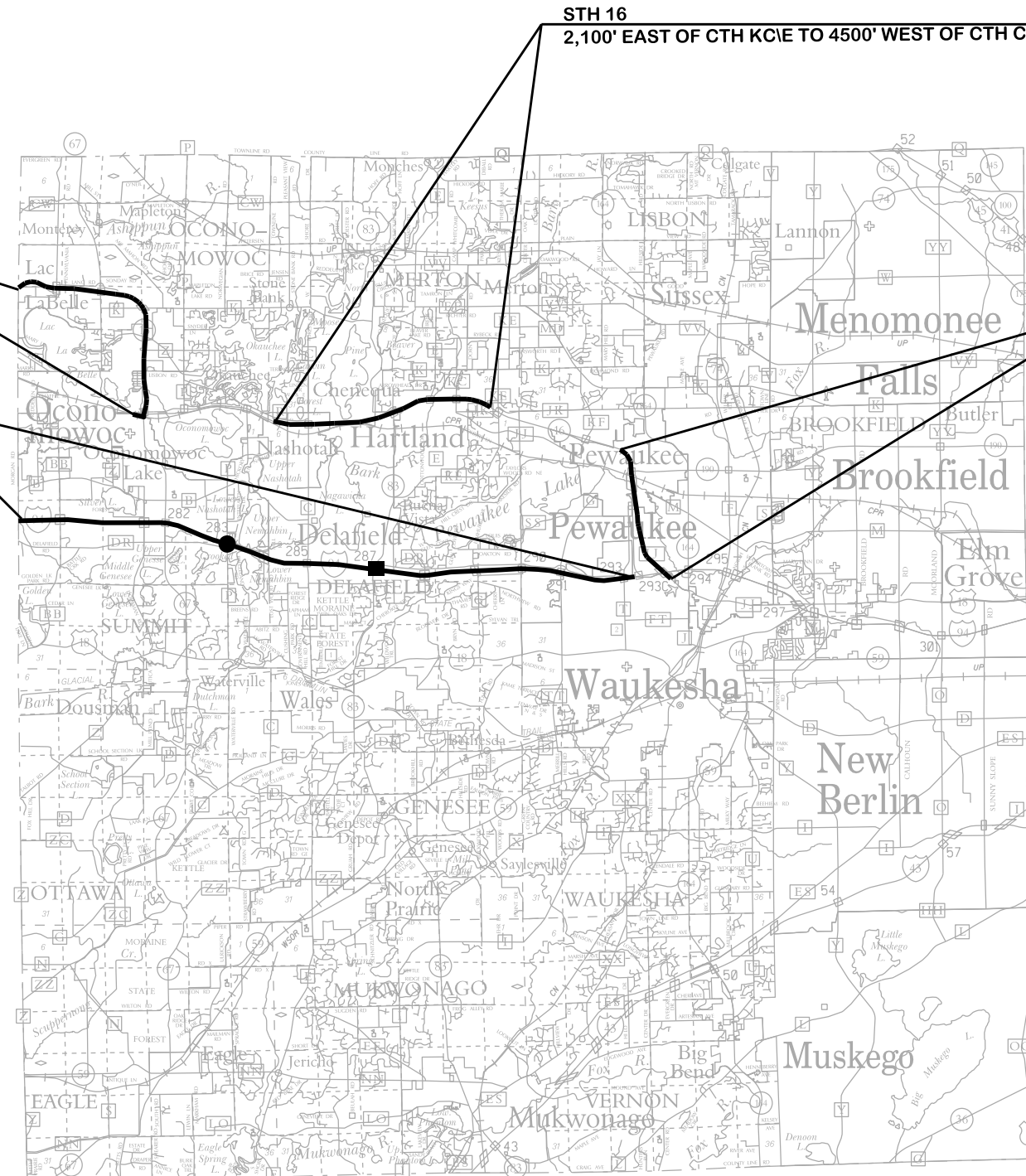
**STH 16 (BYPASS)**  
**(@ 16 & 67 INTER) TO JEFFERSON CO. LINE**

**IH-94**  
**JEFFERSON CO. LINE TO**  
**1000' EAST OF CTH T**

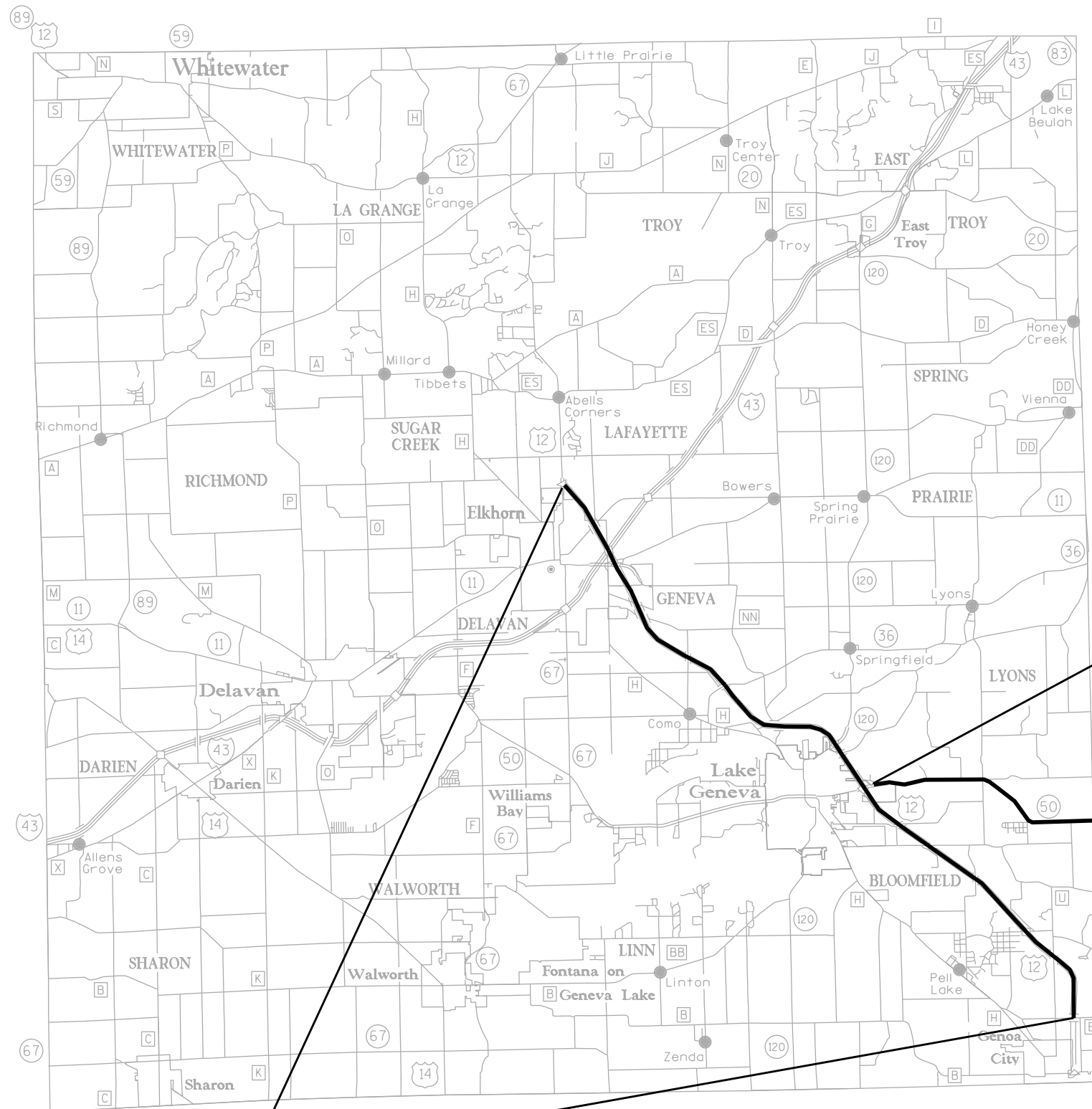
**NOTE:** ●  
**CTH P (SAWYER RD.) INTERCHANGE SPECIAL**  
**PAVEMENT MARKINGS ARE EXCLUDED FROM**  
**THIS PROJECT.**

**NOTE:** ■  
**WB94 EXIST RAMP TO STH 83, SPECIAL MARKINGS**  
**SHALL BE EXCLUDED FROM THIS PROJECT UNLESS**  
**DIRECTED BY WISDOT FIELD MANAGER.**

**NOTE:**  
**EXISTING "OK" SPECIAL PAVEMENT MARKINGS**  
**ARE TO BE REMOVED AND NOT REPLACED.**



**STH 16**  
**IH-94 (ON RAMP TO STH 16) TO ,7 MILES WEST OF STH 190**

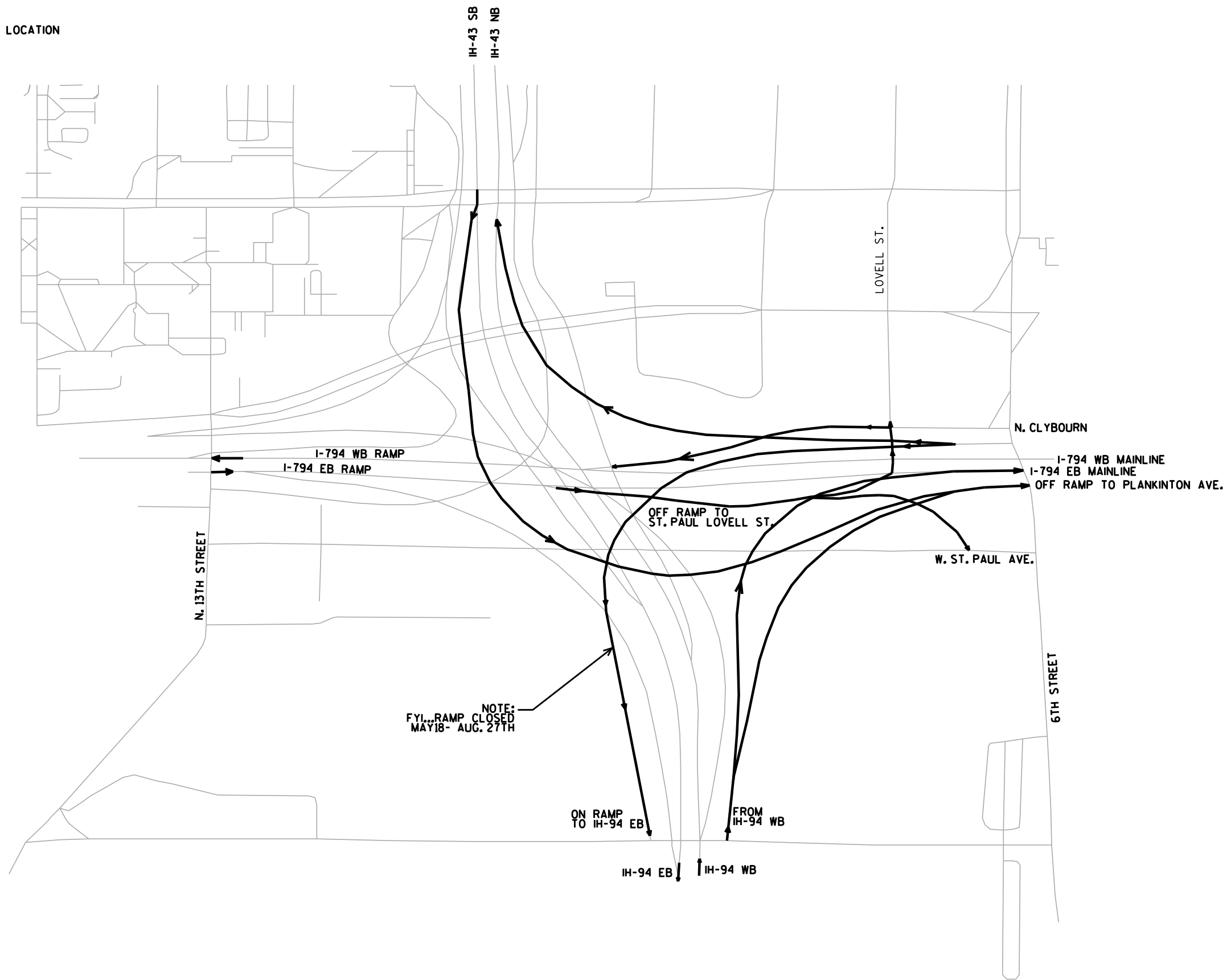


STH 50  
GRAND GENEVA WAY TO W. KENOSHA CO. LINE

STH 12  
STH 67 INTERCHANGE TO CTH C

## LEGEND

- NEW SPECIAL PAVEMENT MARKING LOCATION
- EXISTING PAVEMENT MARKING



MARQUETTE INTERCHANGE  
DETAIL A

PROJECT NO: 1000-77-10

HWY: I-794

COUNTY: MILWAUKEE

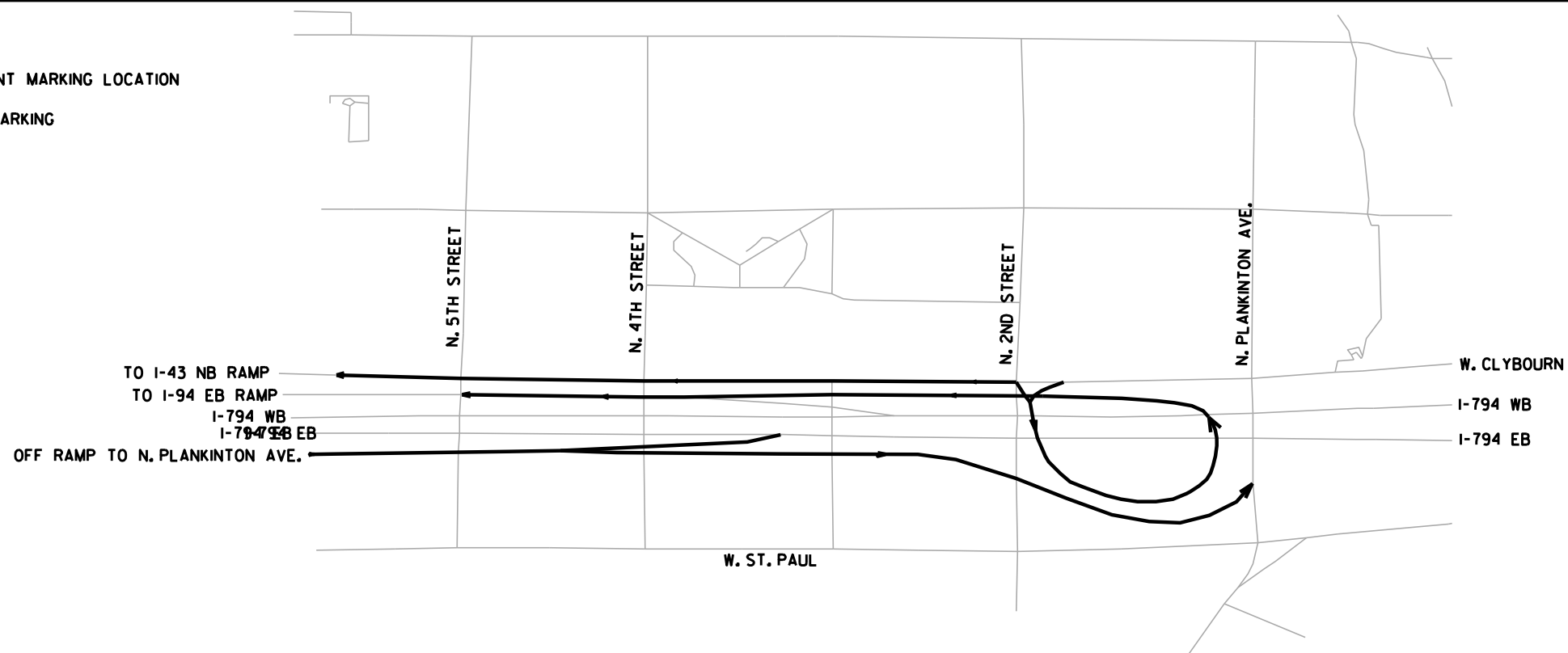
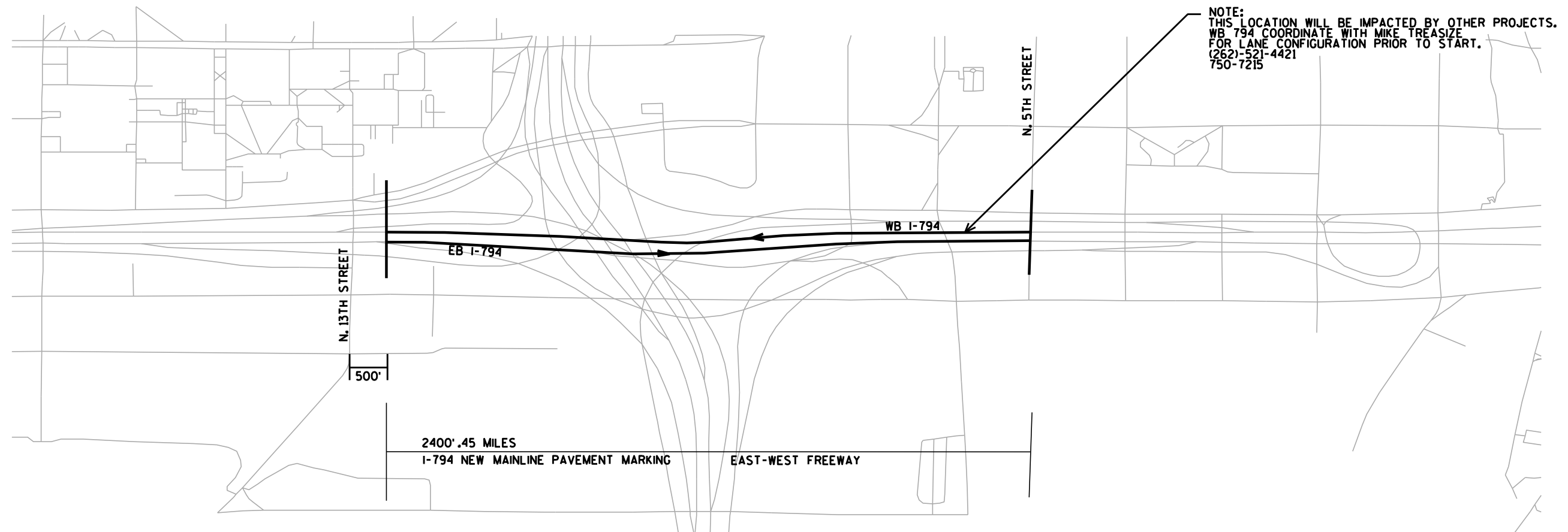
MILWAUKEE COUNTY

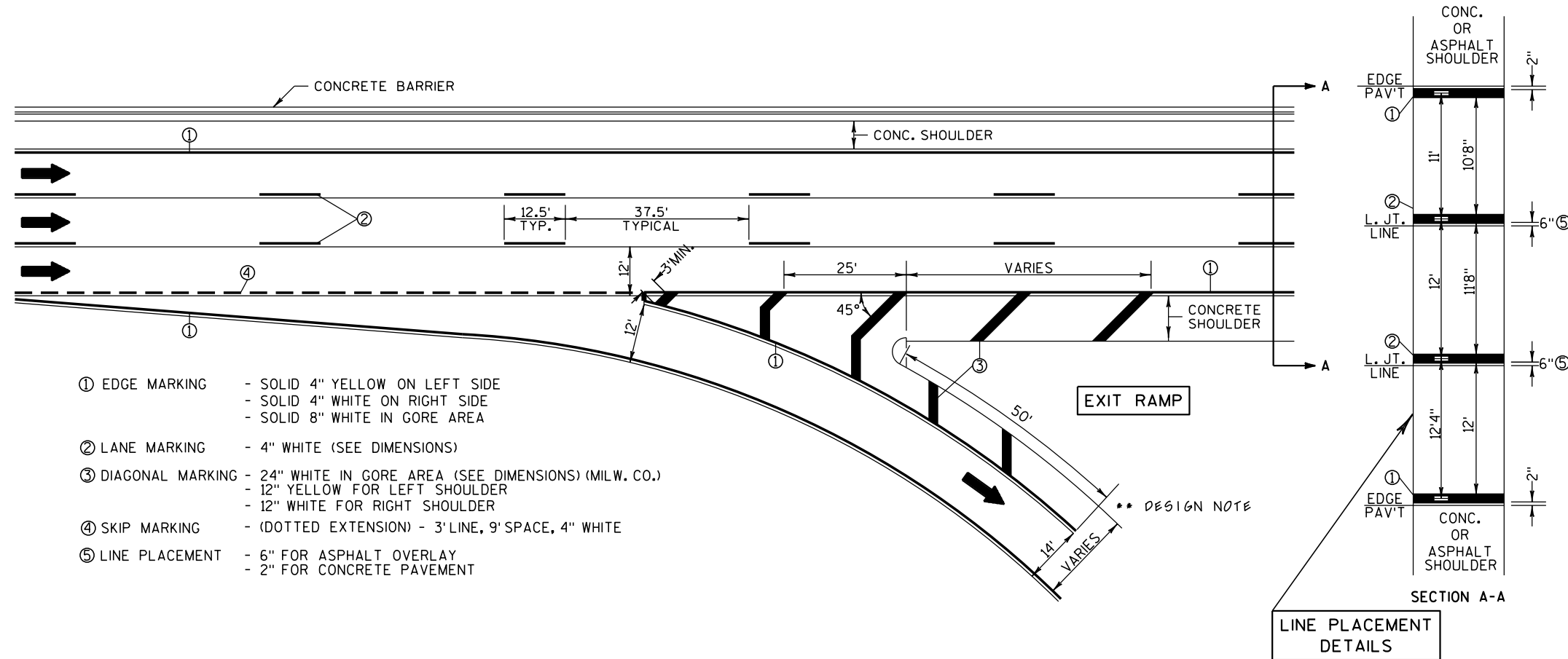
SHEET

E

**LEGEND**

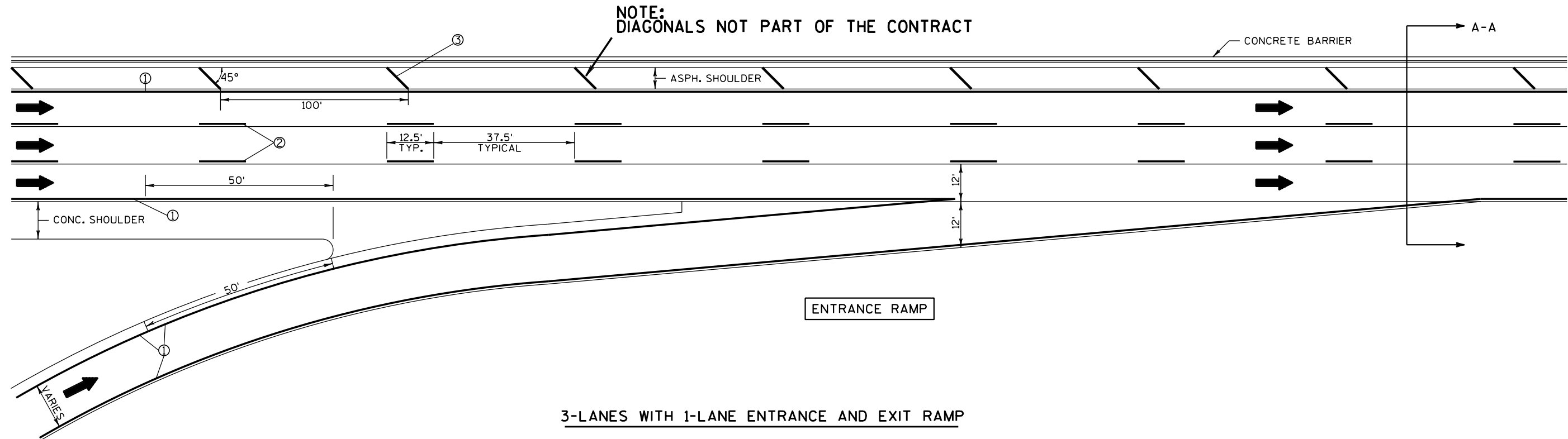
- NEW SPECIAL PAVEMENT MARKING LOCATION  
— EXISTING PAVEMENT MARKING

**MARQUETTE INTERCHANGE  
DETAIL B**



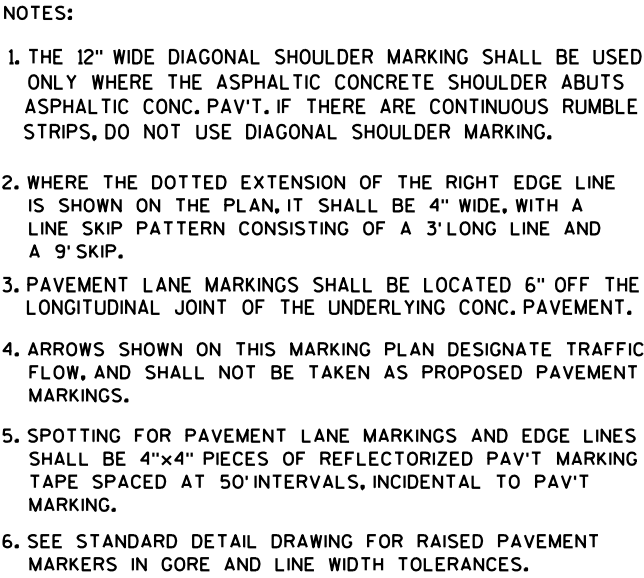
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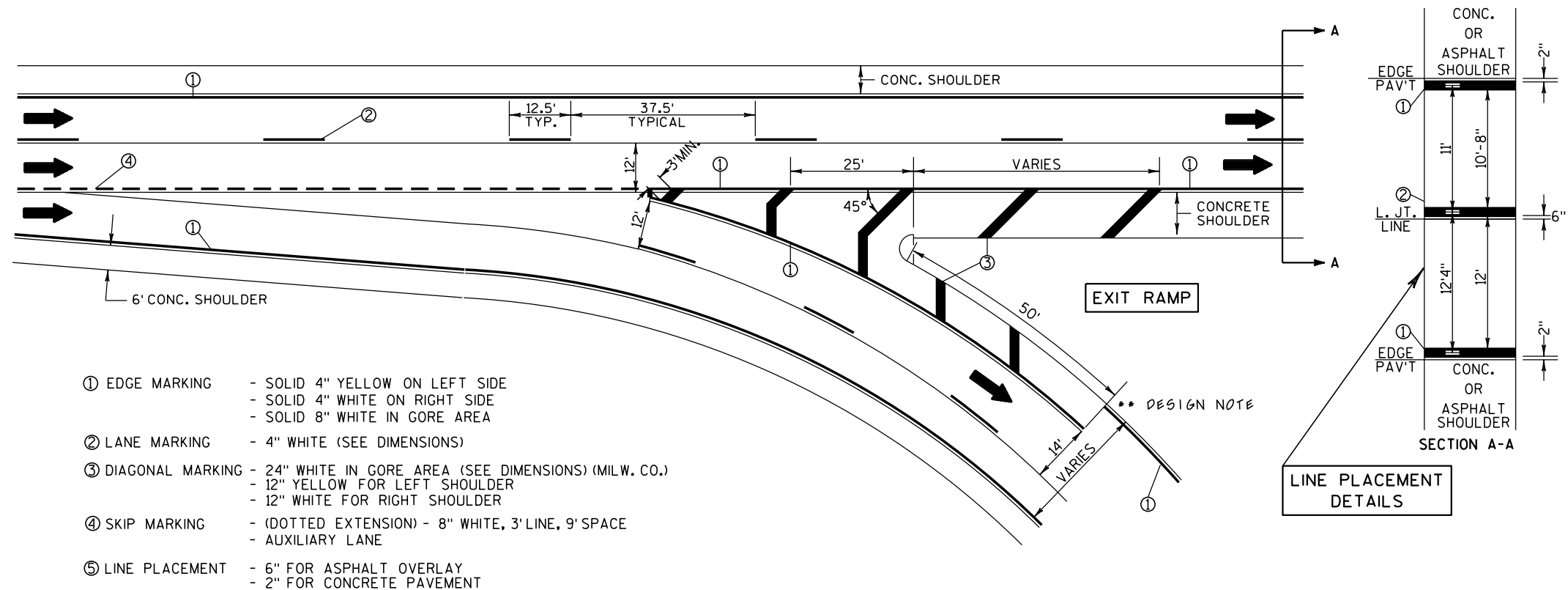
1. THE 12" WIDE DIAGONAL SHOULDER MARKING SHALL BE USED ONLY WHERE THE ASPHALTIC CONCRETE SHOULDER ABUTS ASPHALTIC CONC. PAV'T. IF THERE ARE CONTINUOUS RUMBLE STRIPS, DO NOT USE DIAGONAL SHOULDER MARKING.
2. WHERE THE DOTTED EXTENSION OF THE RIGHT EDGE LINE IS SHOWN ON THE PLAN, IT SHALL BE 4" WIDE, 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.
6. SEE STANDARD DETAIL DRAWING FOR RAISED PAVEMENT MARKERS IN GORE AND LINE WIDTH TOLERANCES.



DESIGN NOTES ARE LOCATED ON LEVEL 63  
GORES, FREEWAYS, & EXPRESSWAYS (EPOXY)

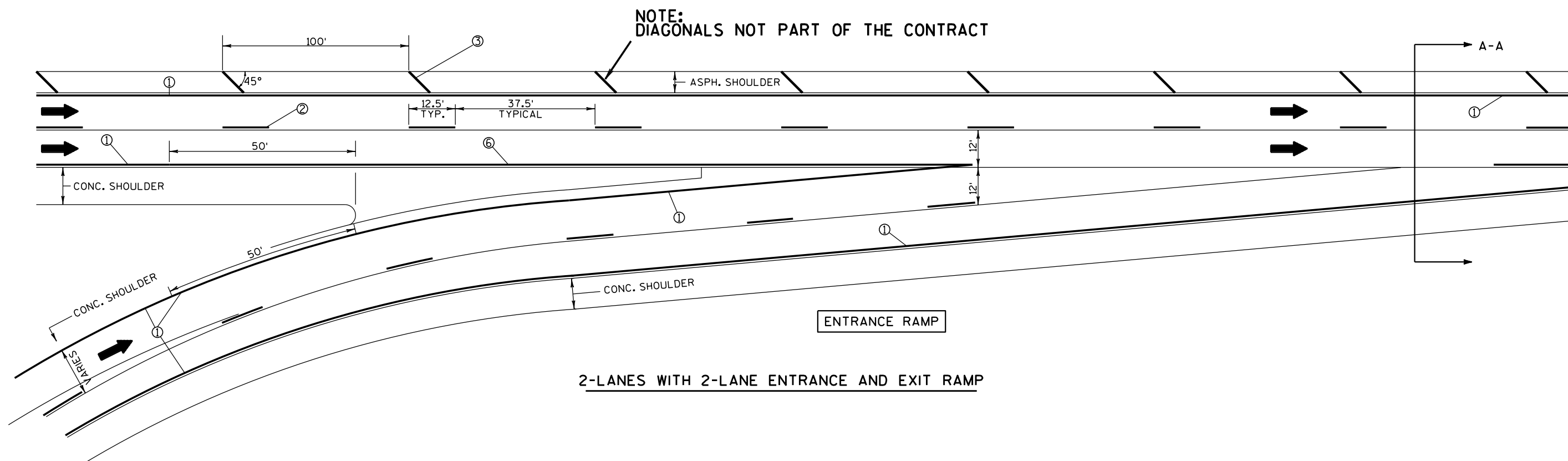






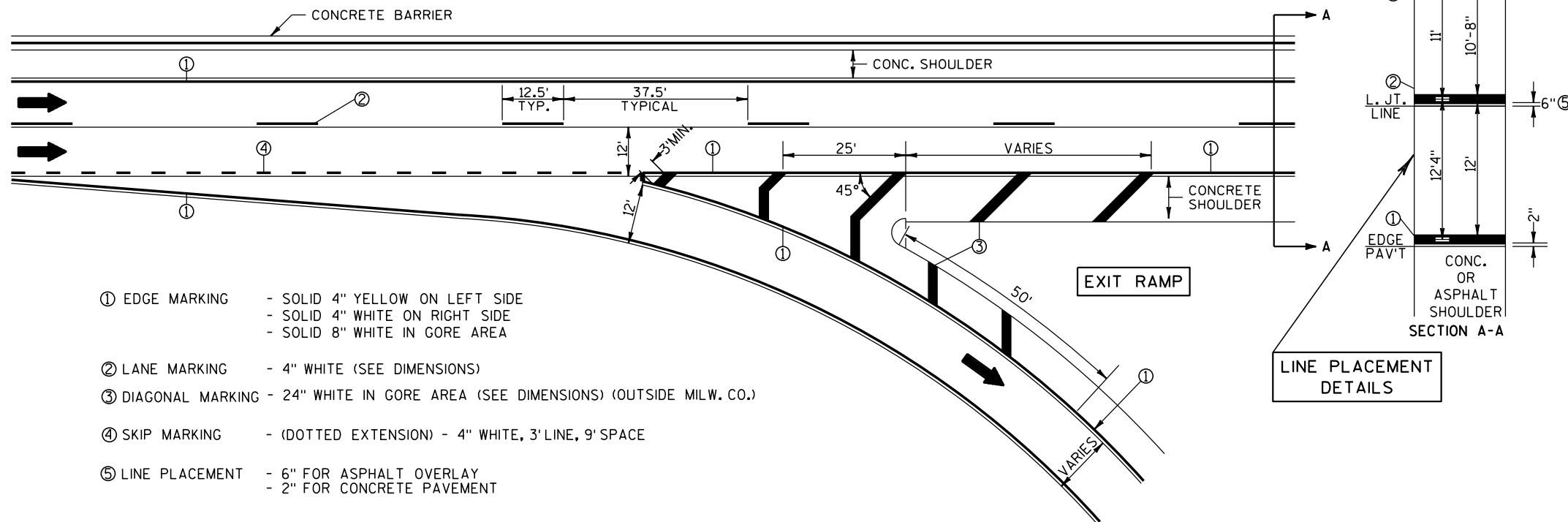
## NOTES:

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 8" 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.
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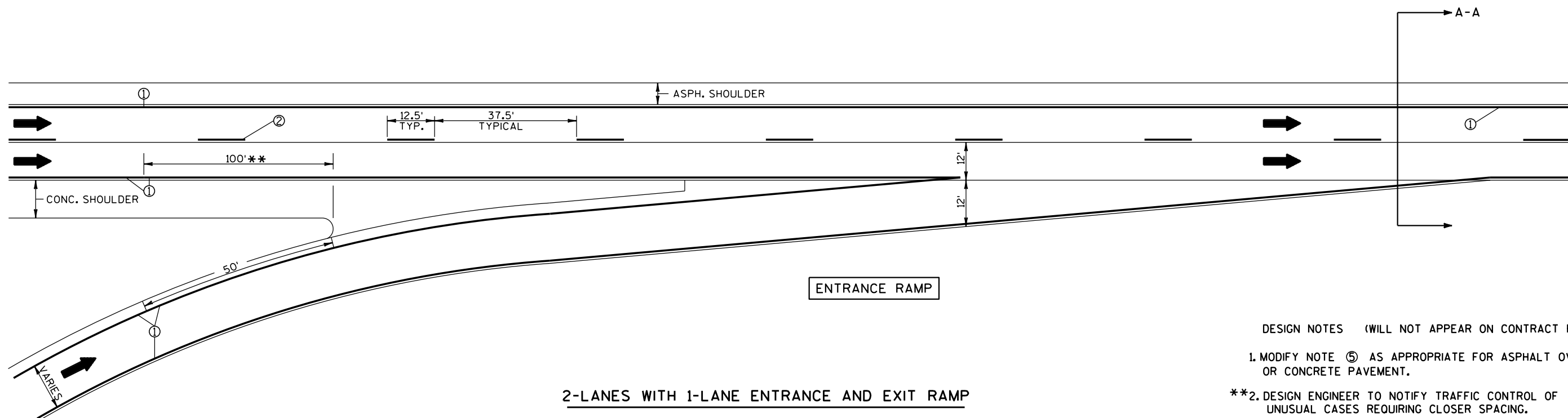
GORES, FREEWAYS, &amp; EXPRESSWAYS (EPOXY)

RACINE, KENOSHA, WALWORTH, WAUKESHA,  
OZAUKEE & WASHINGTON COUNTIES



NOTES:

1. 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.
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3. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
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5. SEE STANDARD DETAIL DRAWING FOR RAISED PAVEMENT MARKERS IN GORE AND LINE WIDTH TOLERANCES.



DESIGN NOTES (WILL NOT APPEAR ON CONTRACT PLANS)

1. MODIFY NOTE ⑤ AS APPROPRIATE FOR ASPHALT OVERLAY OR CONCRETE PAVEMENT.
- \*\*2. DESIGN ENGINEER TO NOTIFY TRAFFIC CONTROL OF UNUSUAL CASES REQUIRING CLOSER SPACING.

GORES, FREEWAYS, & EXPRESSWAYS

PROJECT NO: 1000-77-10

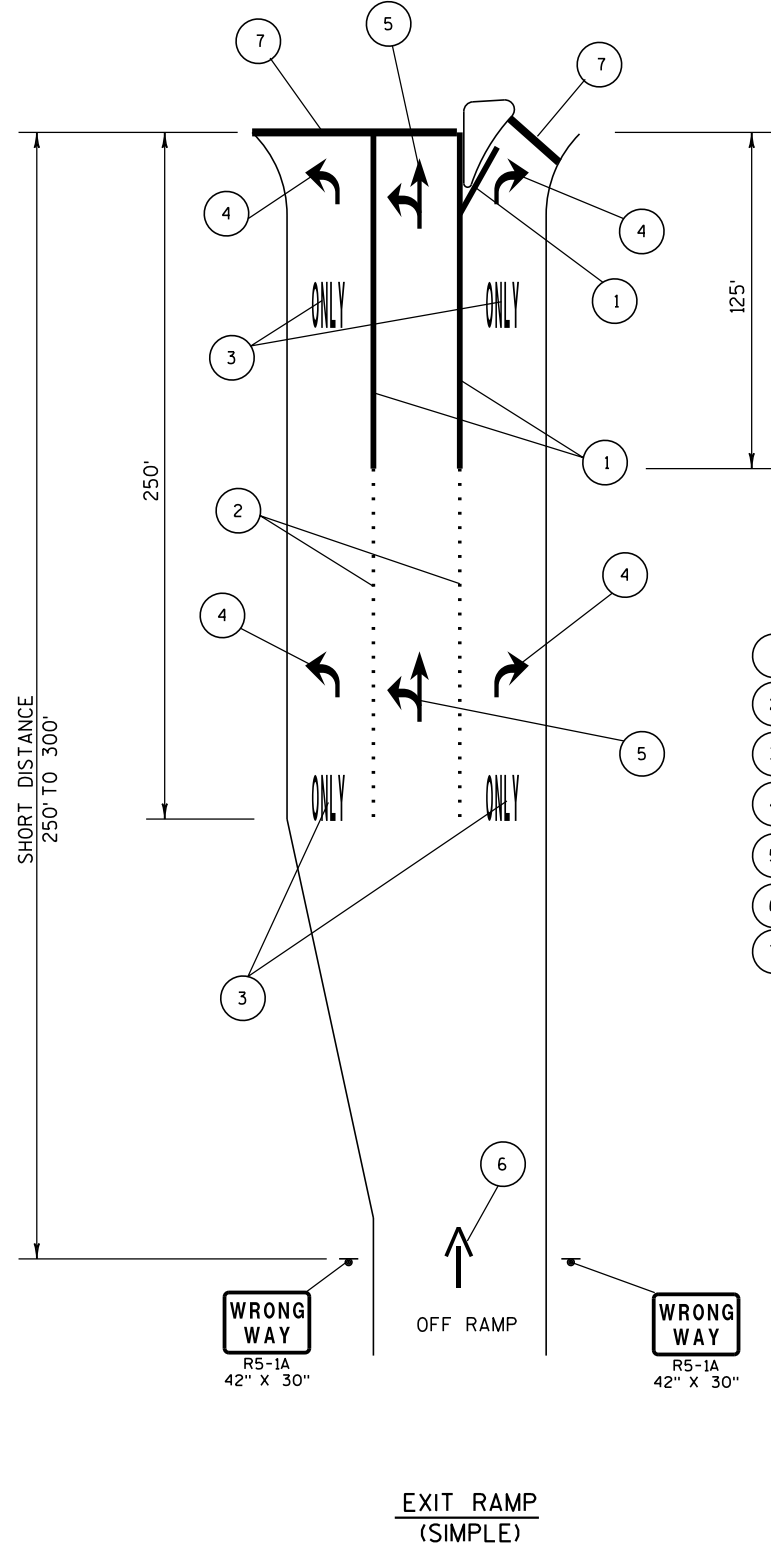
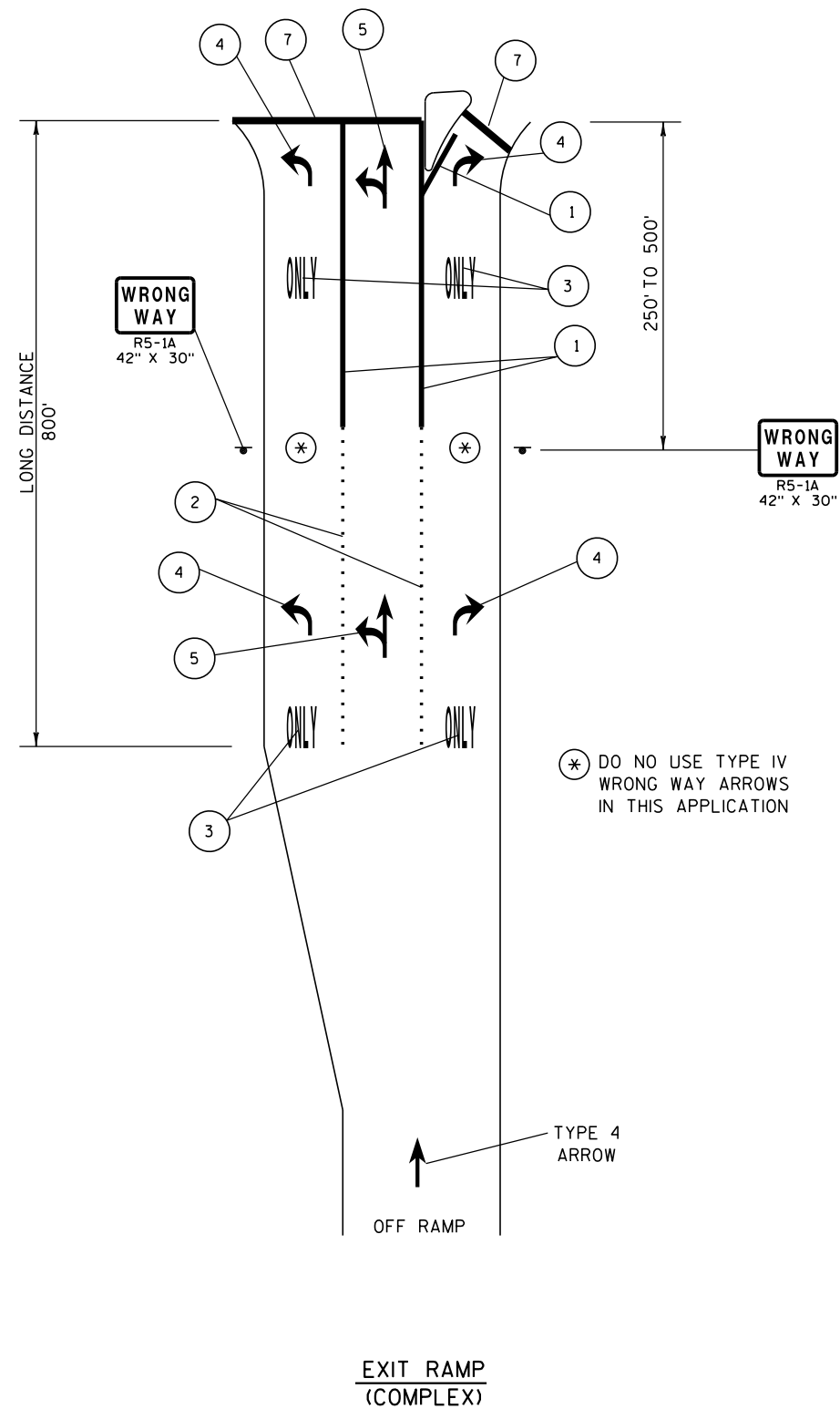
HWY: VARIES

COUNTY: OUTSIDE MILWAUKEE CO.

EPOXY PAVEMENT MARKING, RAMPS

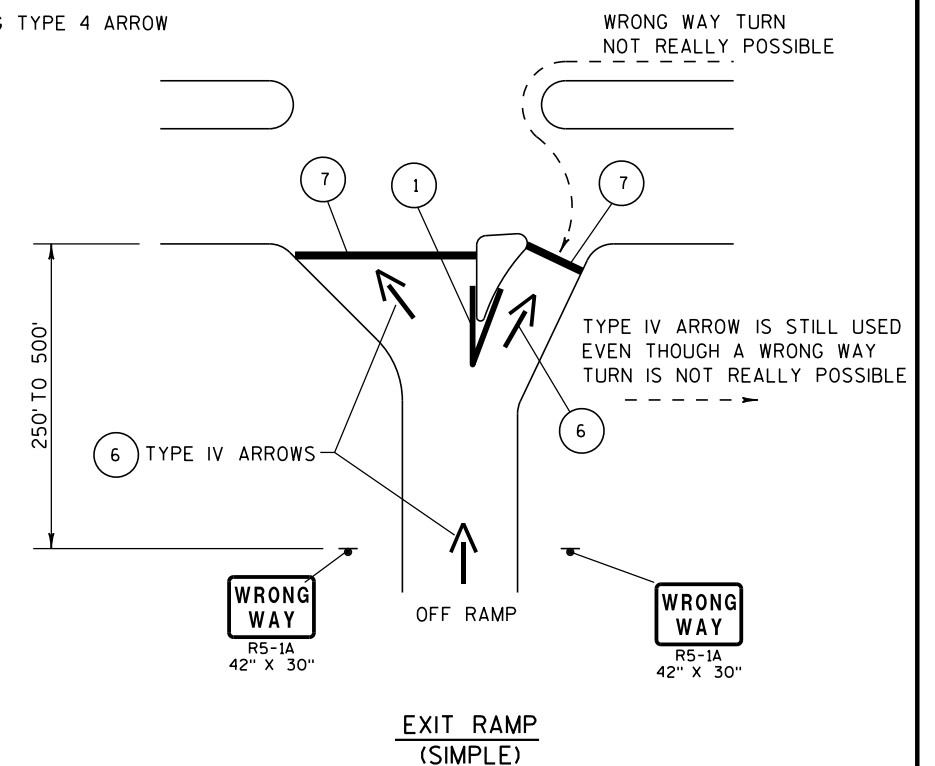
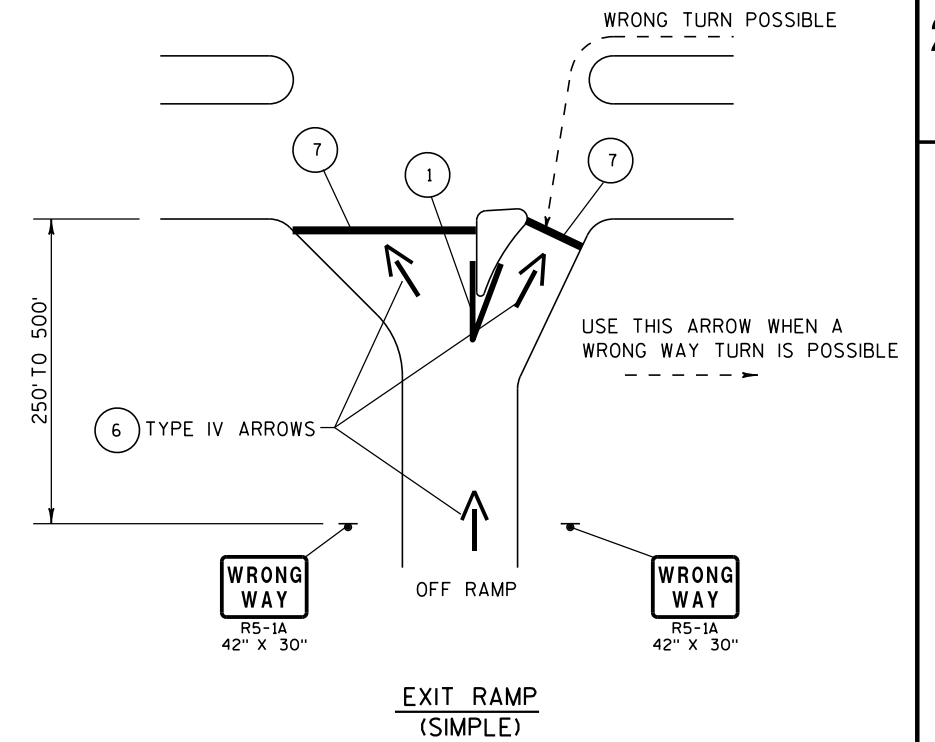
SHEET

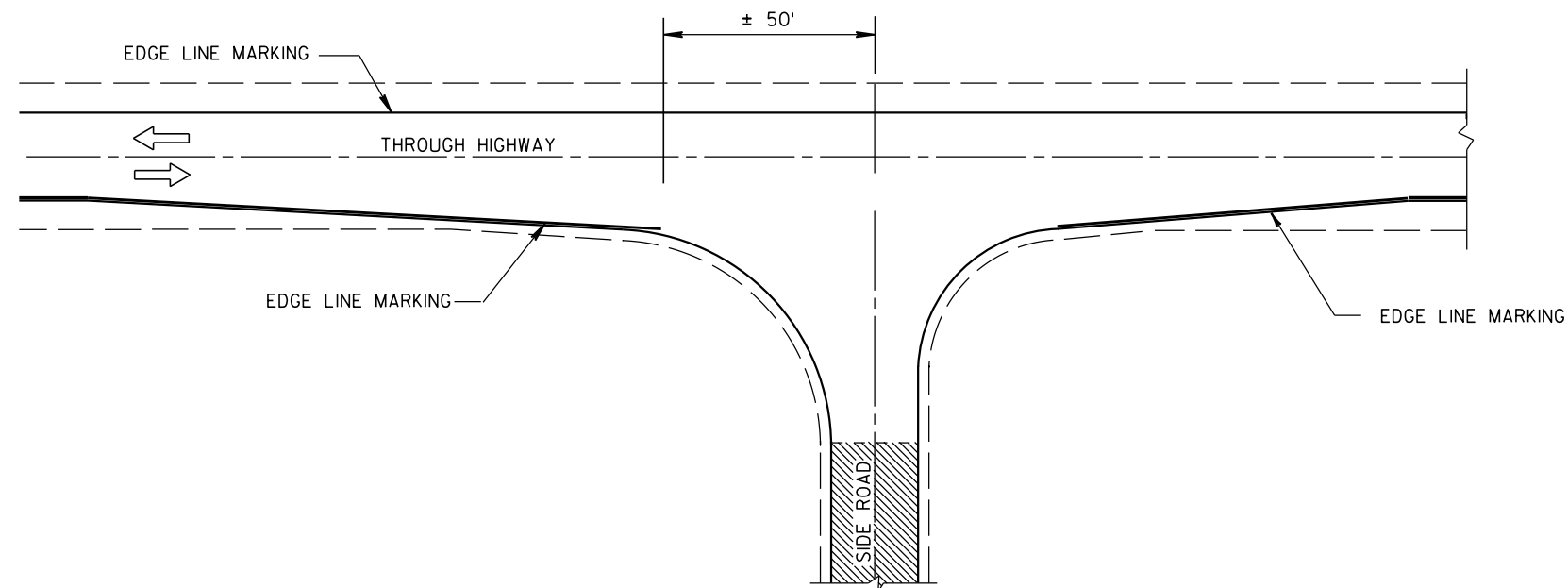
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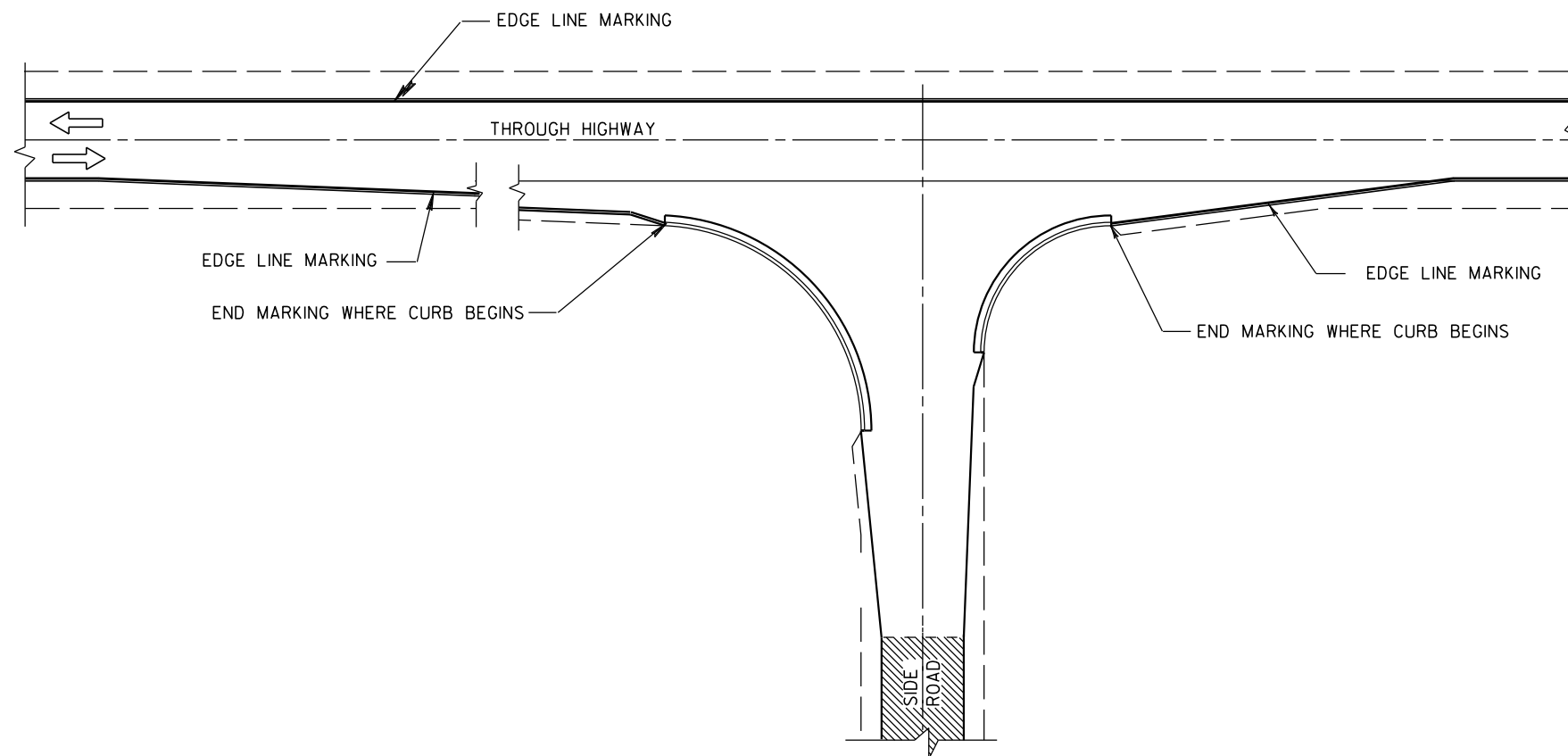
# LEGEND

- 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



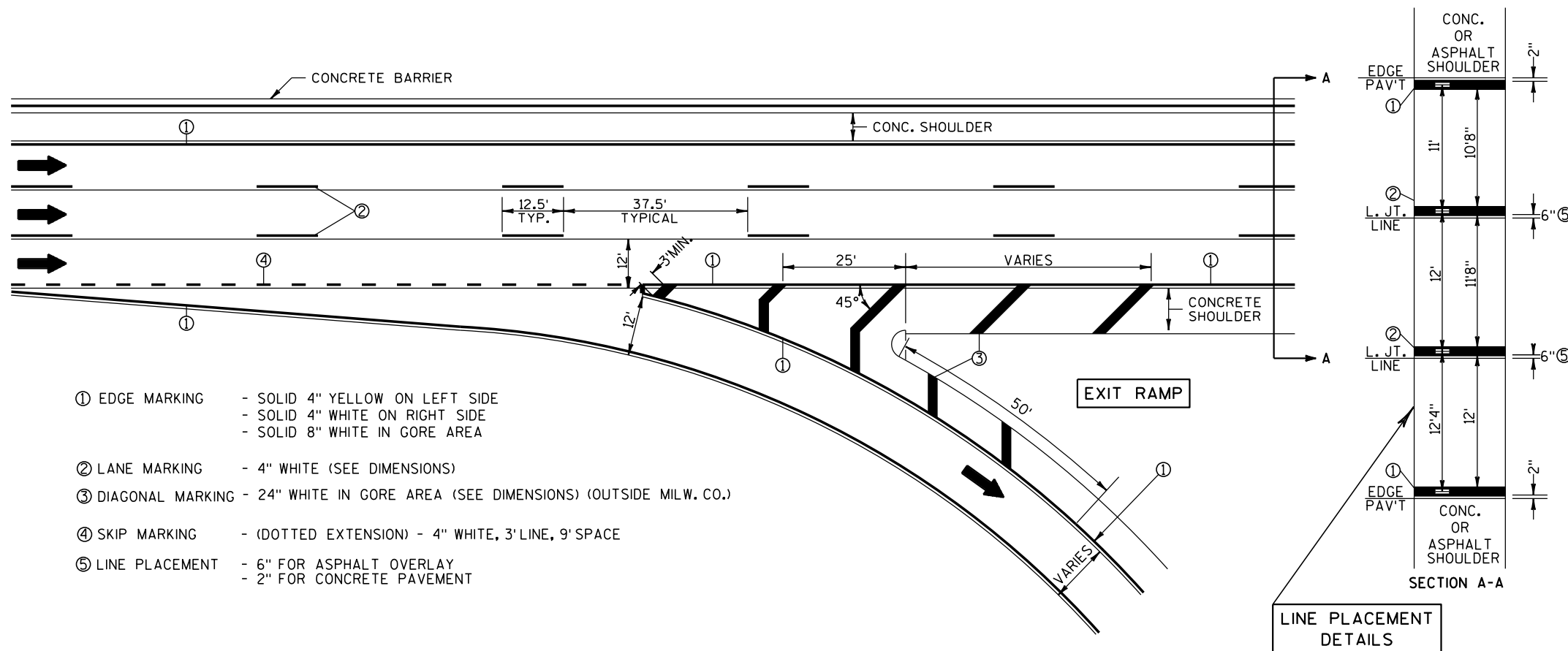


MINOR INTERSECTION WITHOUT CURBS  
(TYPICAL MARKING)



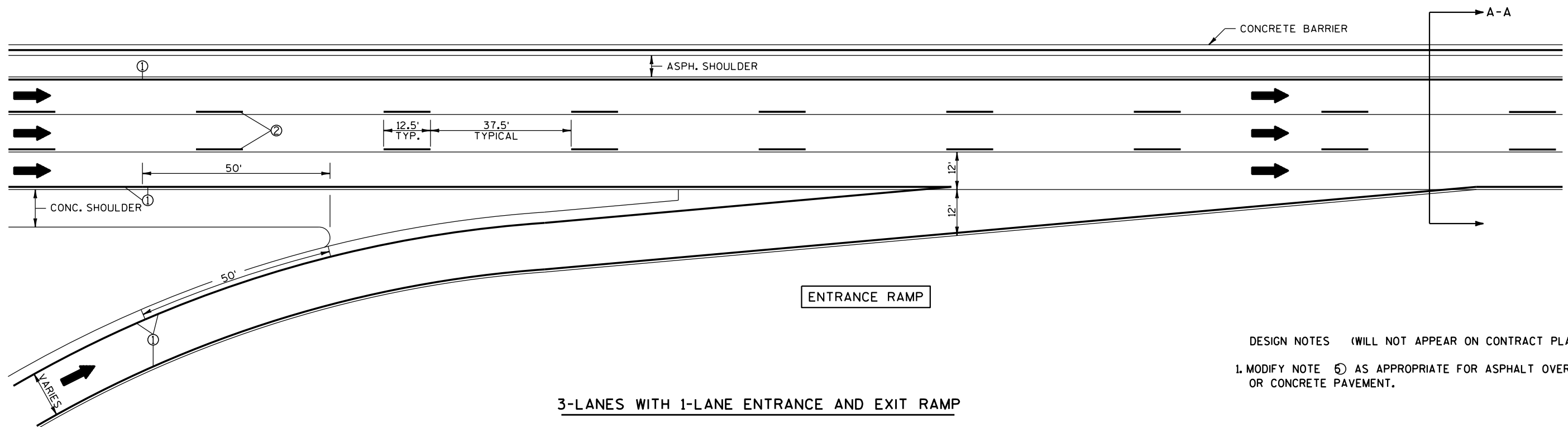
MINOR INTERSECTION WITH CURBS  
(TYPICAL MARKING)

RACINE, KENOSHA, WALWORTH, WALKESHA,  
OZAUKEE & WASHINGTON COUNTIES



## NOTES:

1. 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.
2. PAVEMENT LANE MARKINGS SHALL BE LOCATED 6" OFF THE LONGITUDINAL JOINT OF THE UNDERLYING CONC. PAVEMENT.
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4. 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.
5. SEE STANDARD DETAIL DRAWING FOR RAISED PAVEMENT MARKERS IN GORE AND LINE WIDTH TOLERANCES.



## DESIGN NOTES (WILL NOT APPEAR ON CONTRACT PLANS)

1. MODIFY NOTE ⑤ AS APPROPRIATE FOR ASPHALT OVERLAY OR CONCRETE PAVEMENT.

GORES, FREEWAYS, & EXPRESSWAYS

PROJECT NO: 1000-77-10

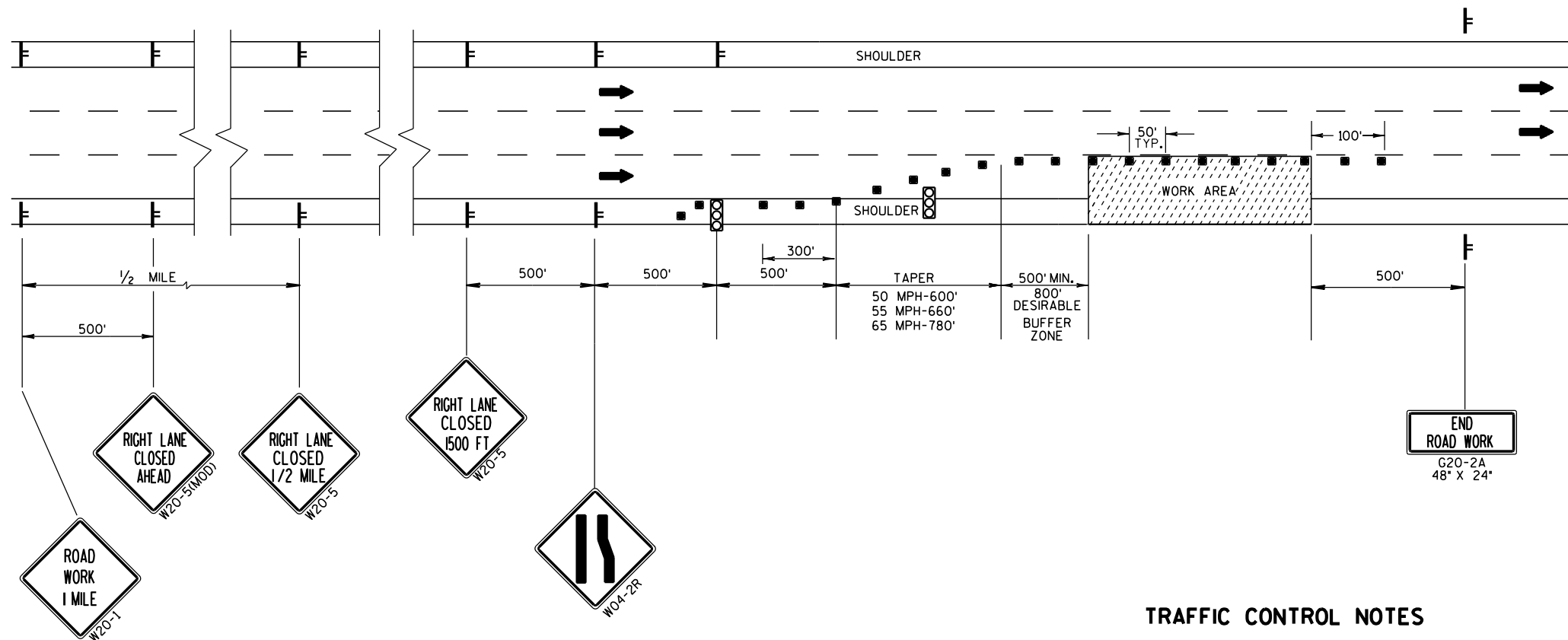
HWY: VARIES

COUNTY: OUTSIDE MILWAUKEE CO.

EPOXY PAVEMENT MARKING, RAMPS

SHEET

E

**TYPICAL ONE-LANE CLOSURE (SHORT TERM-3 DAYS OR LESS)****LEGEND**

- DRUM
- ⌋ SIGN ON FIXED SUPPORT
- ⌋ SIGN ON TEMPORARY SUPPORT
- ⌋ ARROW BOARD

**TRAFFIC CONTROL NOTES**

RIGHT LANE CLOSURE SHOWN, LEFT LANE CLOSURE SIMILAR.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A WARNING LIGHT, TYPE C (STEADY BURN).

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

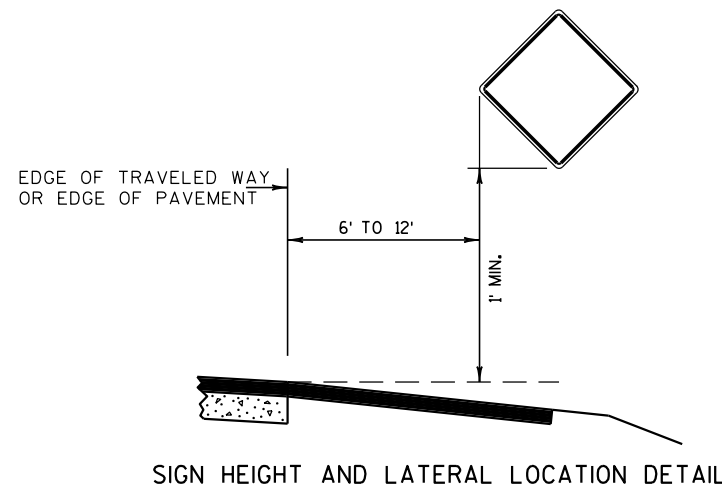
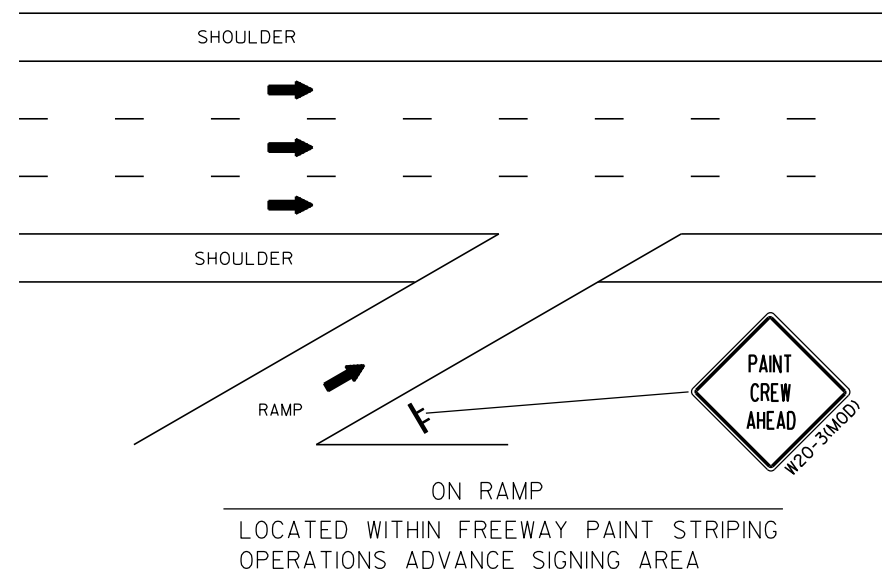
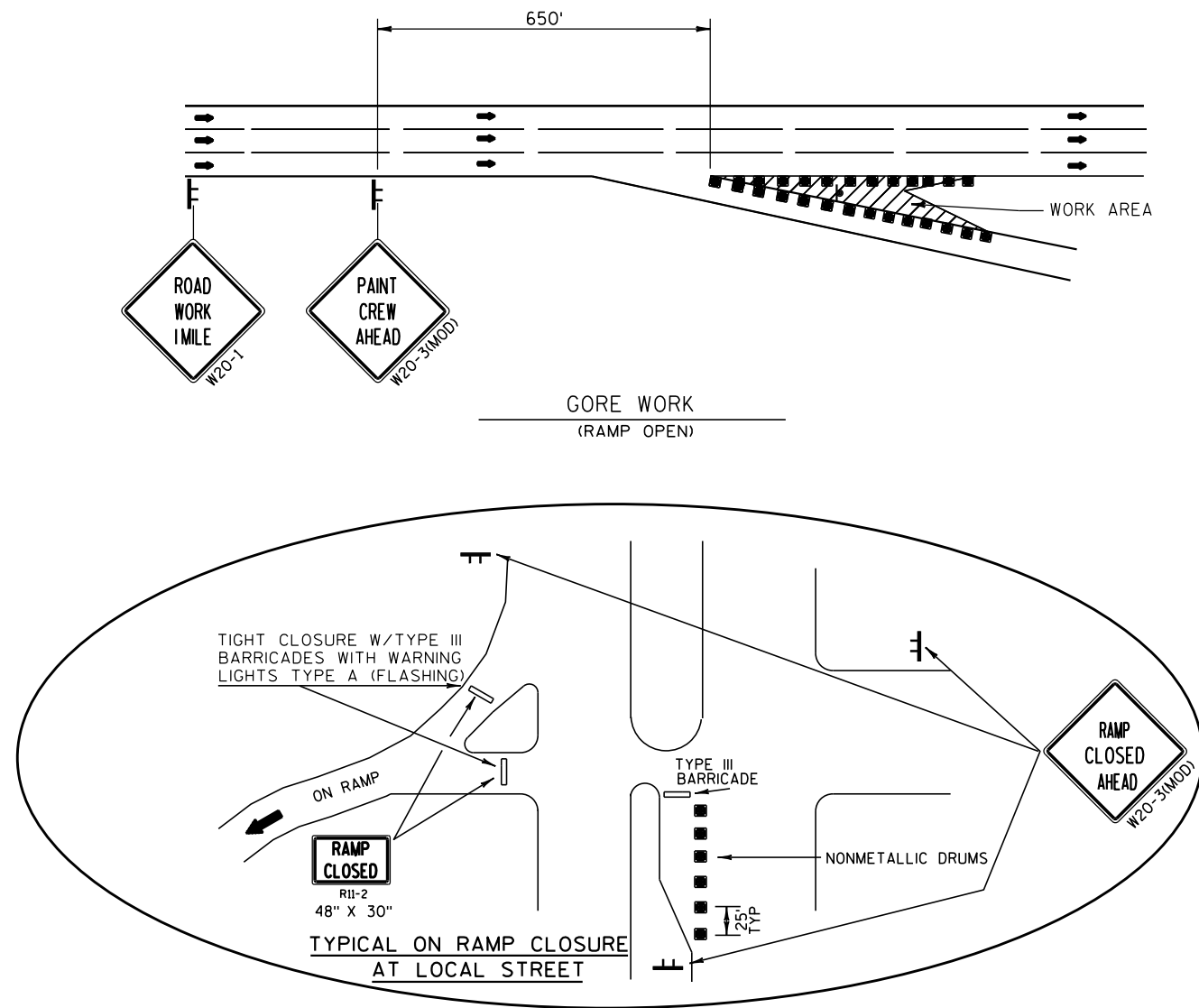
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

ALL SHORT TERM LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROWBOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROWBOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500' IN FRONT OF DRUMS.



### GENERAL NOTES FOR TRAFFIC CONTROL

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM TRAVEL LANE AND OFF OF SHOULDER WHEN WORK IS NOT IN PROGRESS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROWBOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500' IN FRONT OF DRUMS.

### SPECIAL APPLICATION NOTES

ALL LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROWBOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

### LEGEND

- ┌ SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DEVICE



DATE 18MAR13			E S T I M A T E O F Q U A N T I T I E S			
LINE					1000-77-10	
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY	
0010	619.1000	MOBILIZATION	EACH	1.000	1.000	
0020	643.0100	TRAFFIC CONTROL (PROJECT) 01. 1000-77-10	EACH	1.000	1.000	
0030	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	33,665.000	33,665.000	
0040	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	10,010.000	10,010.000	
0050	646.0600	REMOVING PAVEMENT MARKINGS	LF	4,000.000	4,000.000	
0060	647.0156	PAVEMENT MARKING ARROWS EPOXY TYPE 1	EACH	43.000	43.000	
0070	647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	EACH	127.000	127.000	
0080	647.0176	PAVEMENT MARKING ARROWS EPOXY TYPE 3	EACH	34.000	34.000	
0090	647.0186	PAVEMENT MARKING ARROWS EPOXY TYPE 4	EACH	34.000	34.000	
0100	647.0256	PAVEMENT MARKING SYMBOLS EPOXY	EACH	9.000	9.000	
0110	647.0356	PAVEMENT MARKING WORDS EPOXY	EACH	130.000	130.000	
0120	647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	1,772.000	1,772.000	
0130	647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	LF	400.000	400.000	
0140	647.0746	PAVEMENT MARKING DIAGONAL EPOXY 24-INCH	LF	9,865.000	9,865.000	

Special Pavement Marking - 2013  
Var. Hwy (1000-77-10)  
SE Region

CATEGORY: 0100

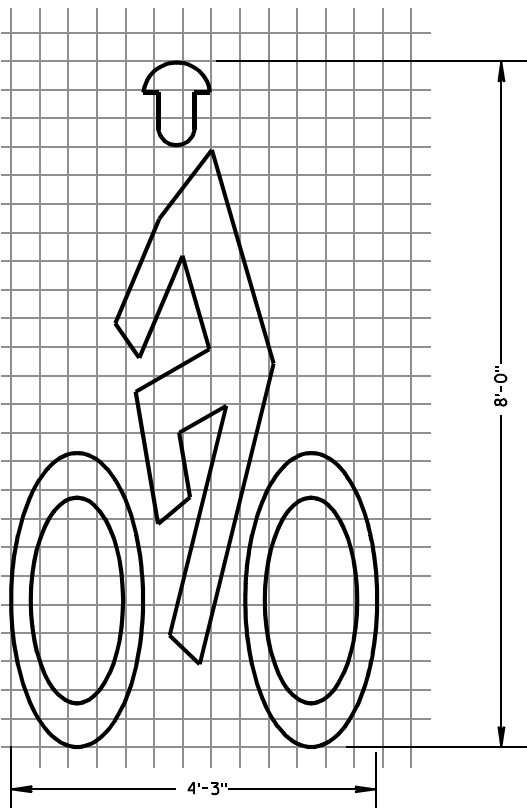
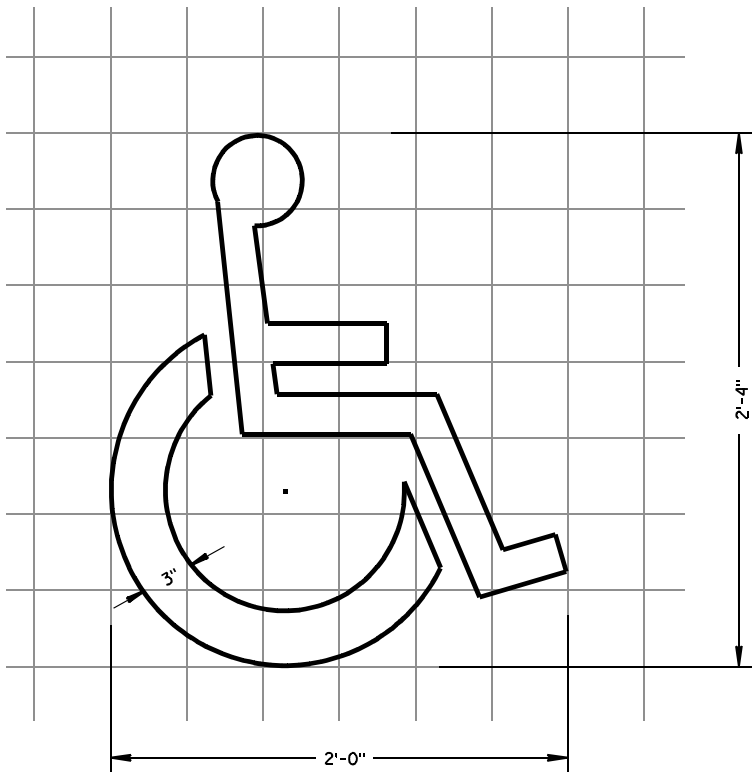
County Hwy Location			Total Miles	646.0106 Pav. Mrkng Epoxy 4-IN L.F.	647.0156 Pav. Mrkng Epoxy Arrow Type 1 L.F.	647.0166 Pav. Mrkng Epoxy Arrow Type 2 L.F.	647.0176 Pav. Mrkng Epoxy Arrow Type 3 L.F.	647.0186 Pav. Mrkng Epoxy Arrow Type 4 L.F.	647.0256 Pav. Mrkng Epoxy Symbols L.F.	647.0356 Pav. Mrkng Epoxy Word L.F.	647.0566 Pav. Mrkng Epoxy Stop Line 18-IN L.F.	647.0726 Pav. Mrkng Epoxy Diagonal 12-IN L.F.	647.0746 Pav. Mrkng Epoxy Diagonal 24-IN L.F.	646.0126 Pav. Mrkng Epoxy Chan 8- IN L.F.	646.0600 Pav. Mrkng Epoxy Removal L.F.
Milwaukee	I-794	Marq. Inter. I794 (I43 under pass) east-west freeway to 5th str.(under pass),	0.45	5000	3	17	4	1	4	13	168		2850	700	500
Waukesha	I-94	Jefferson Co. Line to 1000' E. of CTH T (*) ,(**)	17	3000	0	28	3	8		10	180		1365	2100	1000
Waukesha	STH 16 (bypass)	16 (@ 16/67 Inter) to Jefferson Co. Ilne	5.5	3000	5	12	2	2		8	432		550	600	500
Waukesha	STH 16	2100'East of CTH KC/E to 4500' West of CTH C	5	2500	16	5	13			15	168		1150	2100	500
Waukesha	STH 16	IH 94 (on ramp to STH 16) to .7 miles west of STH 190	3.6	5000	12	2	4			11	204		950	1010	
Walworth	STH 50	Grand Geneva Way to W. Kenosha Co Line	5.4								120				
Walworth	USH 12	STH 67 Interchange to CTH H	19			4		23		4	288	350	1500	500	300
		subtotals Undistribute quantities	55.95	18500 15165	36 7	68 59	26 8	34 0	4 5	61 69	1560 212	350 50	8365 1500	7010 3000	2800 1200
Totals				33665	43	127	34	34	9	130	1772	400	9865	10010	4000

(\*) Note: Exclude Special Marking work at Co.Rd P / (Sawyer rd) new Interchange

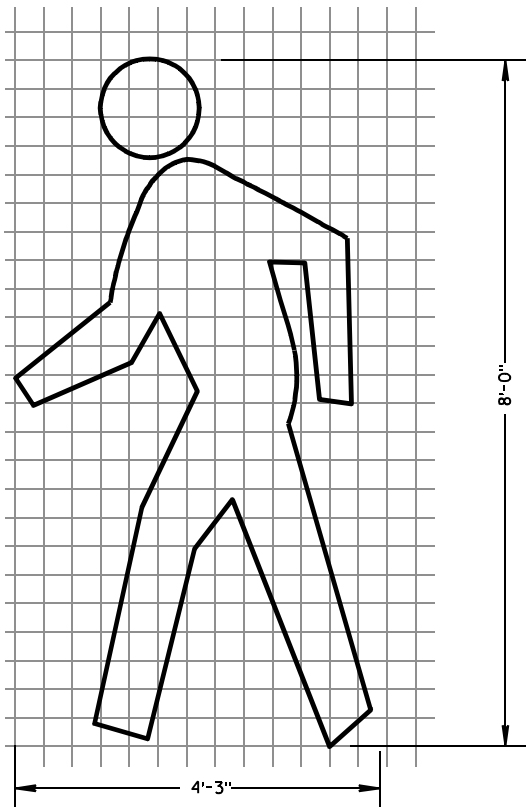
(\*\*) Note: Exclude Special Marking work at IH 94, WB off ramp to STH 83 (unless directed by Wisdot Field Manger)

Standard Detail Drawing List

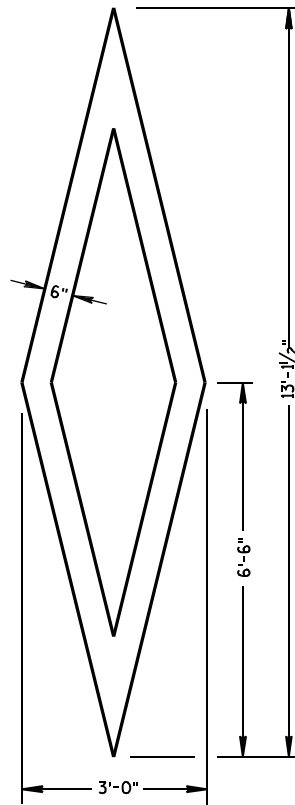
15C07-12A	PAVEMENT MARKING SYMBOLS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-14B	PAVEMENT MARKING (INTERSECTIONS)
15C08-15B	PAVEMENT MARKING (INTERSECTIONS)
15C08-15F	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-01C	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-01D	PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP



BIKE CROSSING SYMBOL



PEDESTRIAN SYMBOL



PREFERENTIAL  
LANE SYMBOL

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

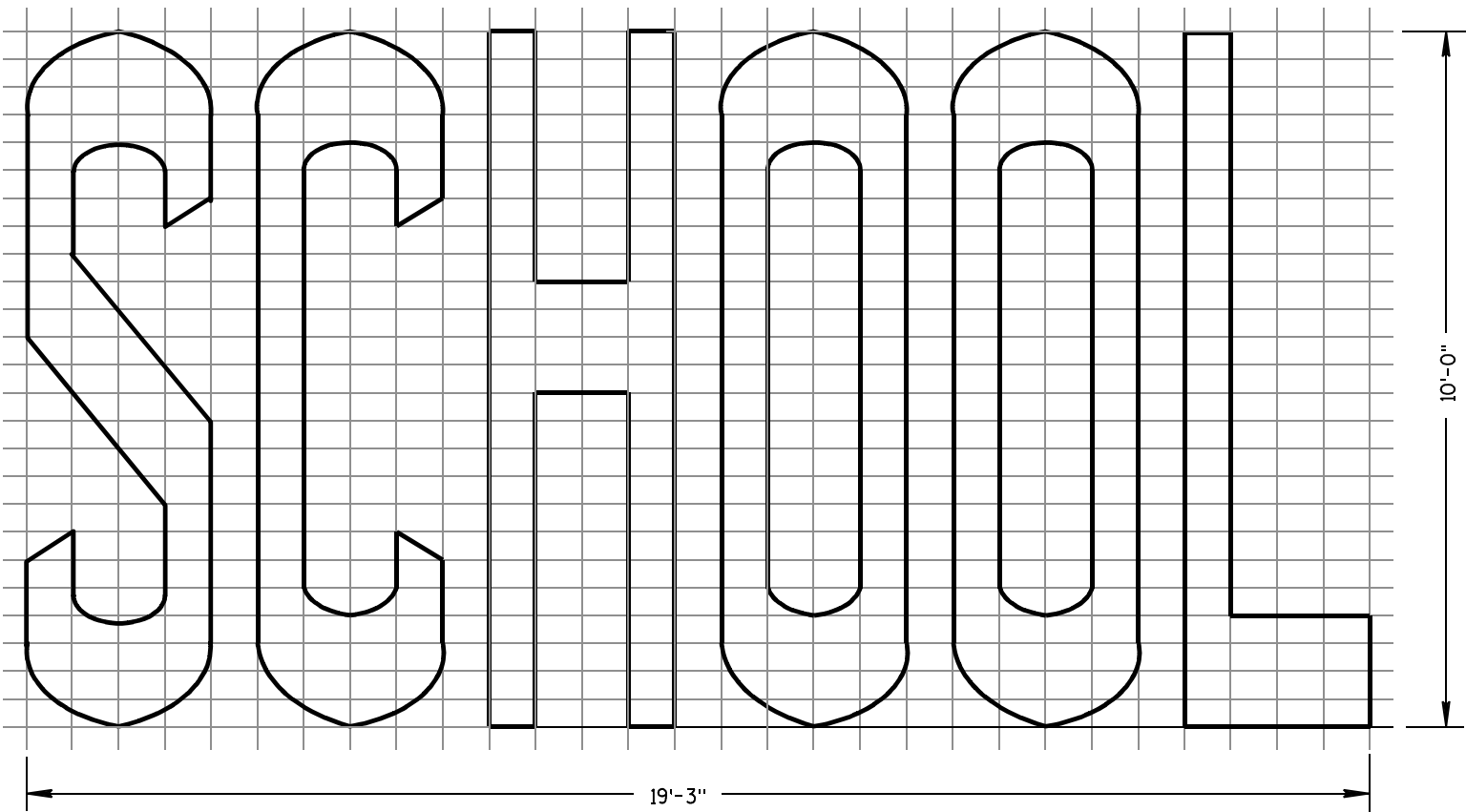
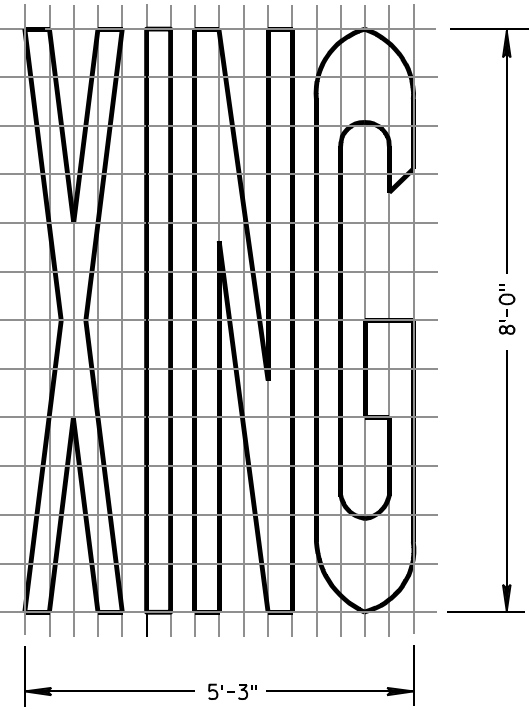
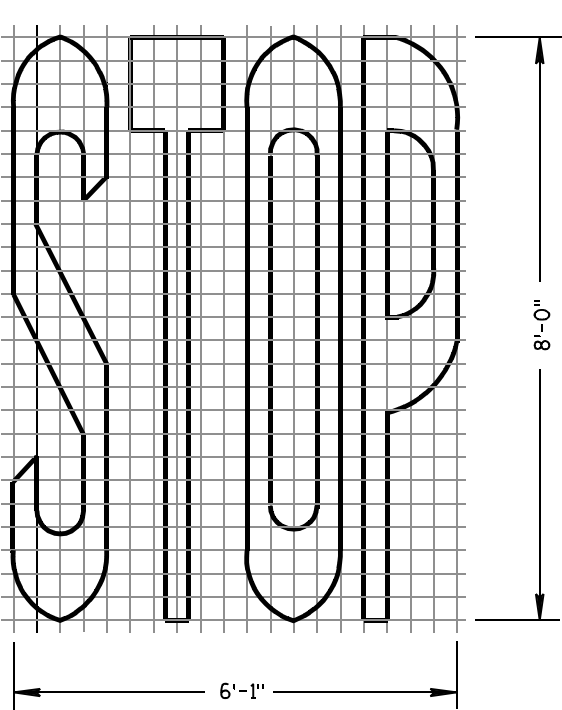
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

A DETAILED DRAWING OF THE HANDICAPPED PARKING SYMBOL IS ILLUSTRATED IN THE "STANDARD HIGHWAY SIGNS MANUAL" BY THE FEDERAL HIGHWAY ADMINISTRATION.

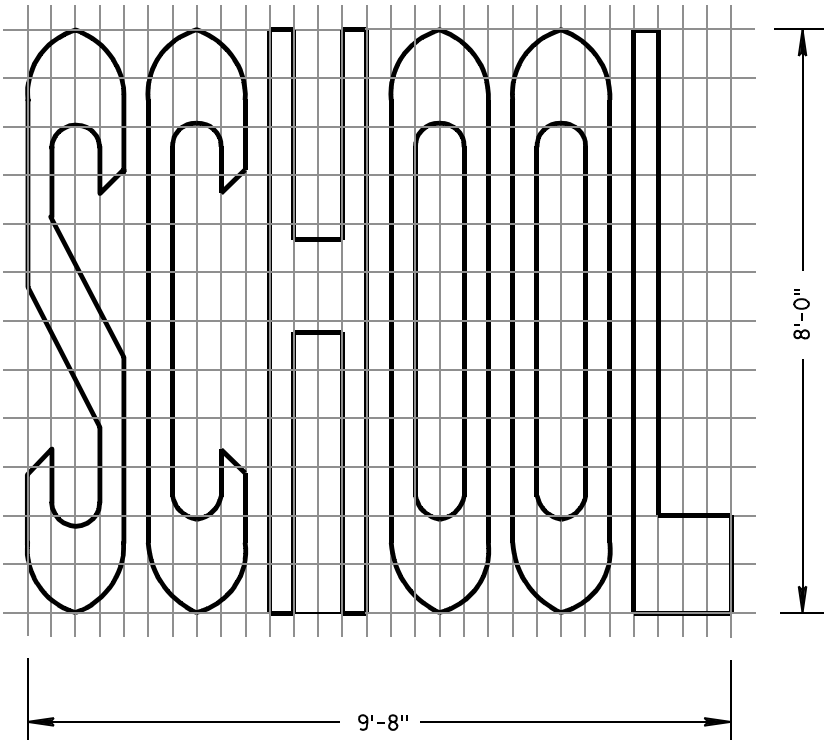
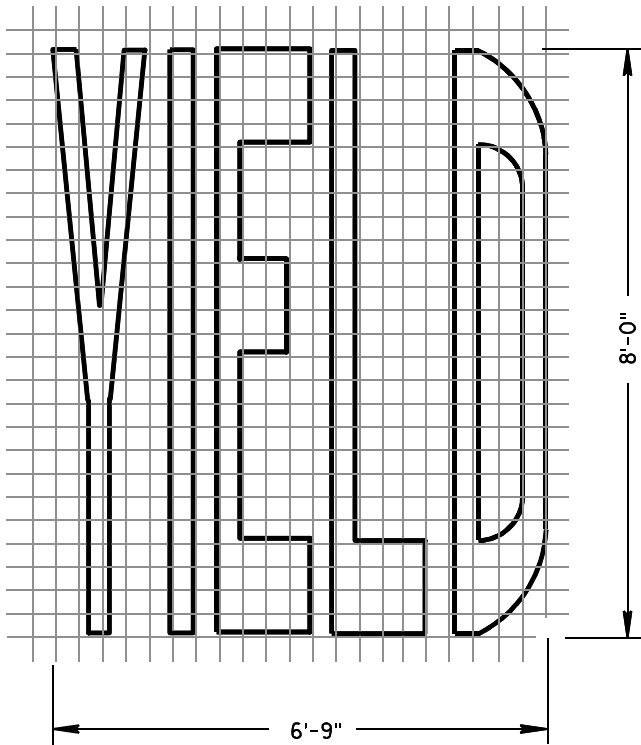
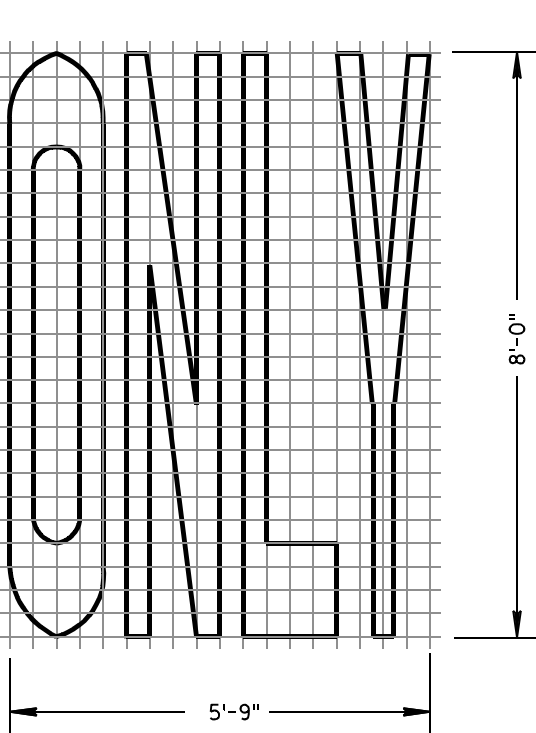
GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

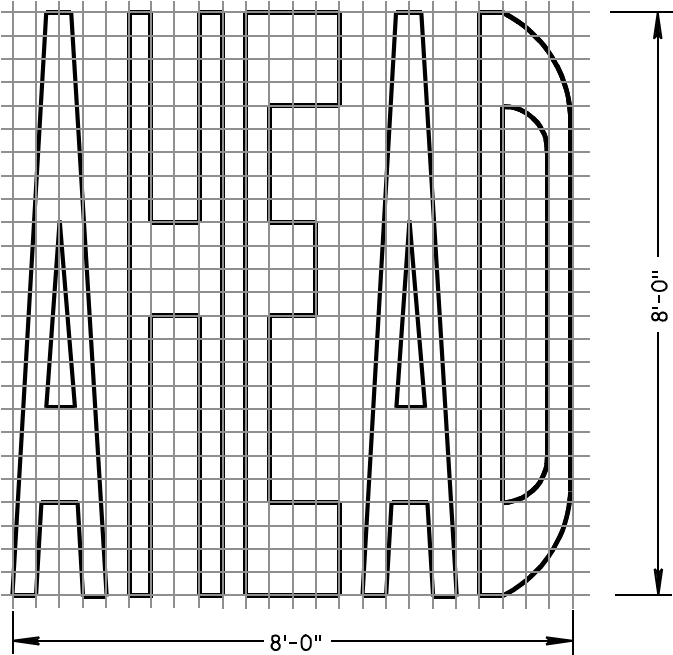
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



TWO-LANE



SINGLE-LANE



PAVEMENT MARKING WORDS

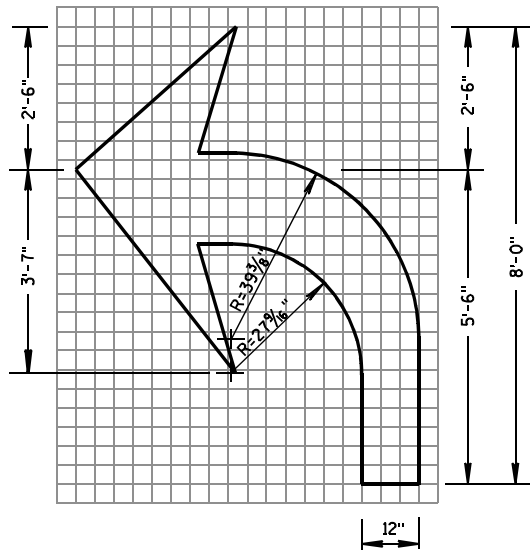
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED

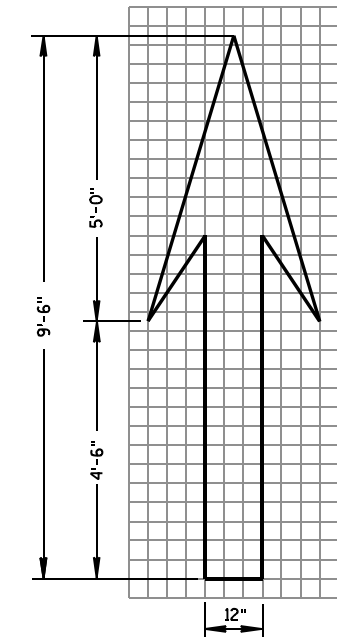
7-1-11  
DATE

/S/ Thomas N. Notbohm  
STATE TRAFFIC ENGINEER OF DESIGN

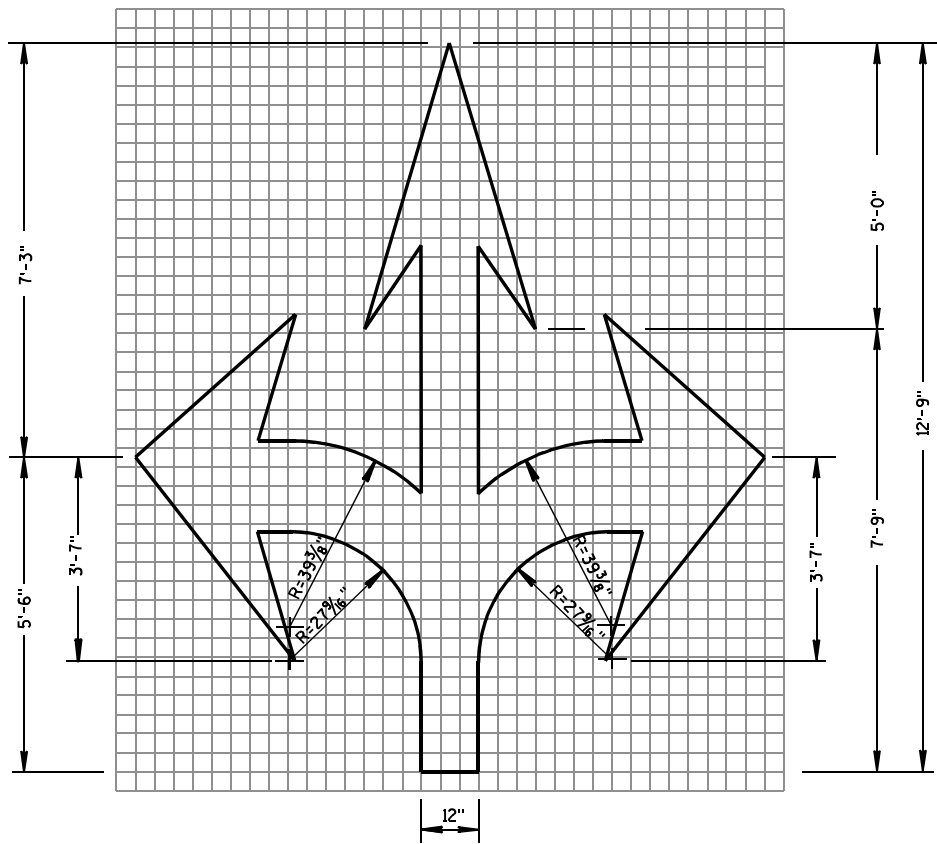
FHWA



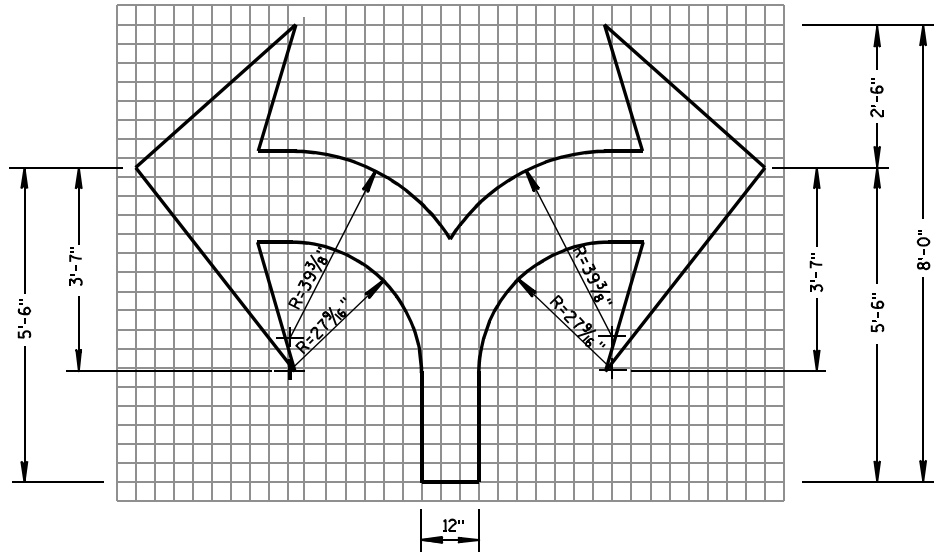
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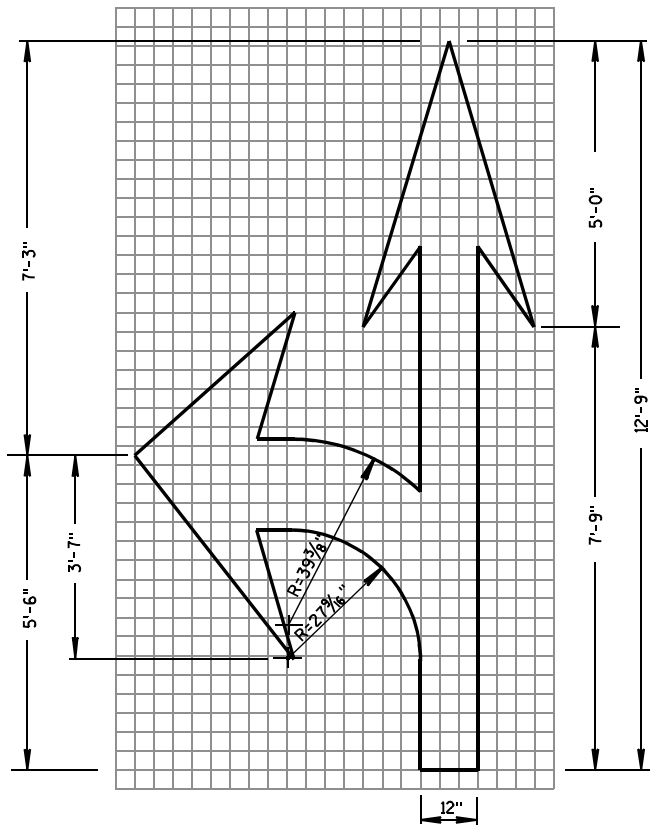
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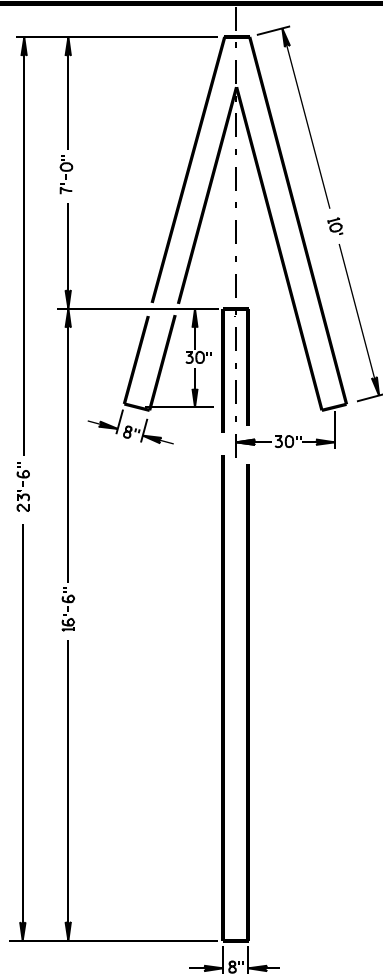
TYPE 6



TYPE 7



TYPE 3

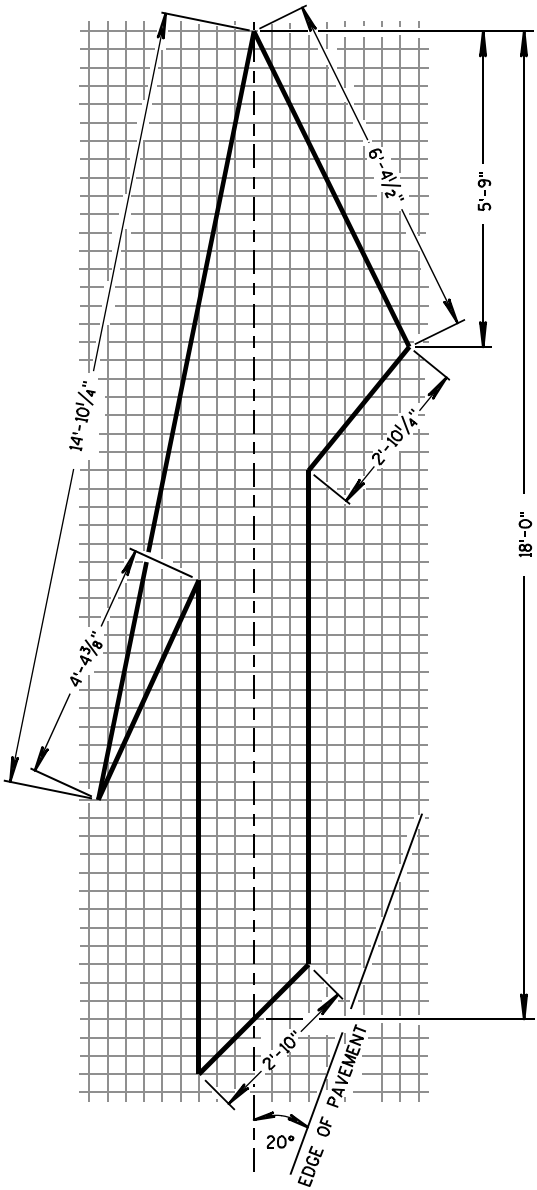


TYPE 4

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



TYPE 5 LANE DROP ARROW

PAVEMENT MARKING ARROWS

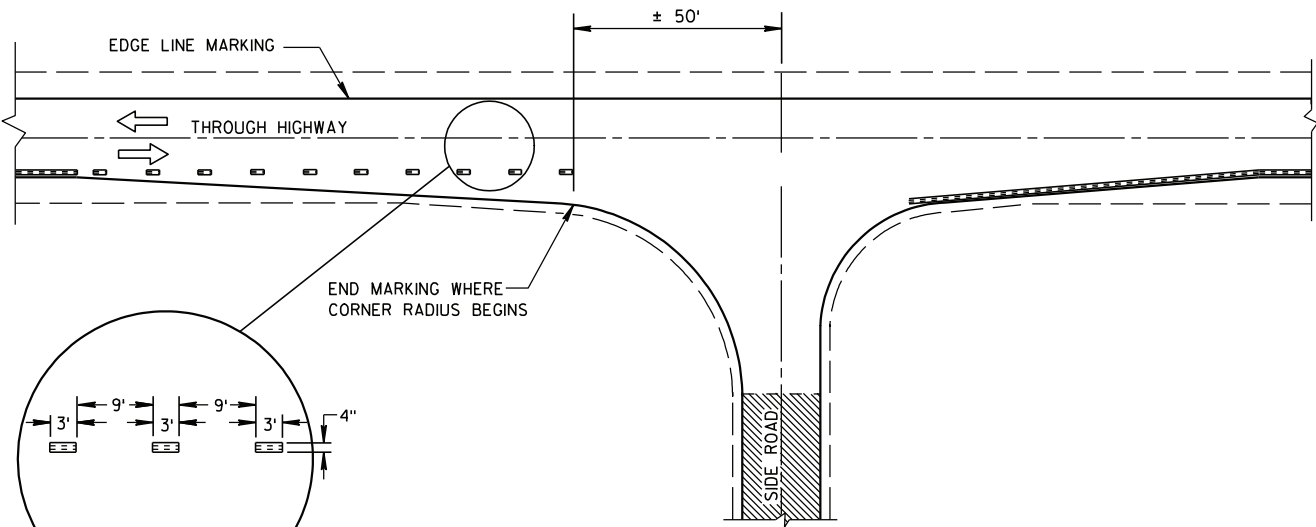
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11  
DATE

/S/ Thomas N. Notbohm  
STATE TRAFFIC ENGINEER OF DESIGN

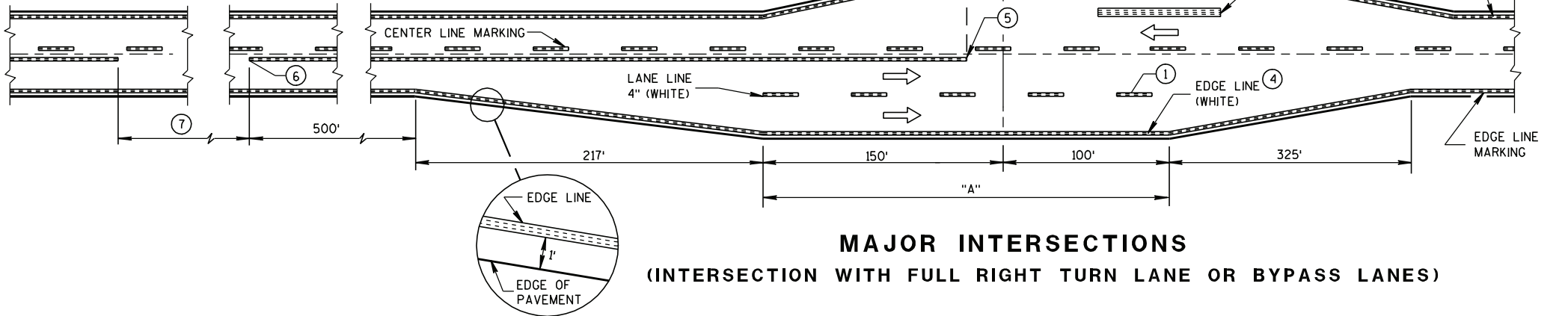
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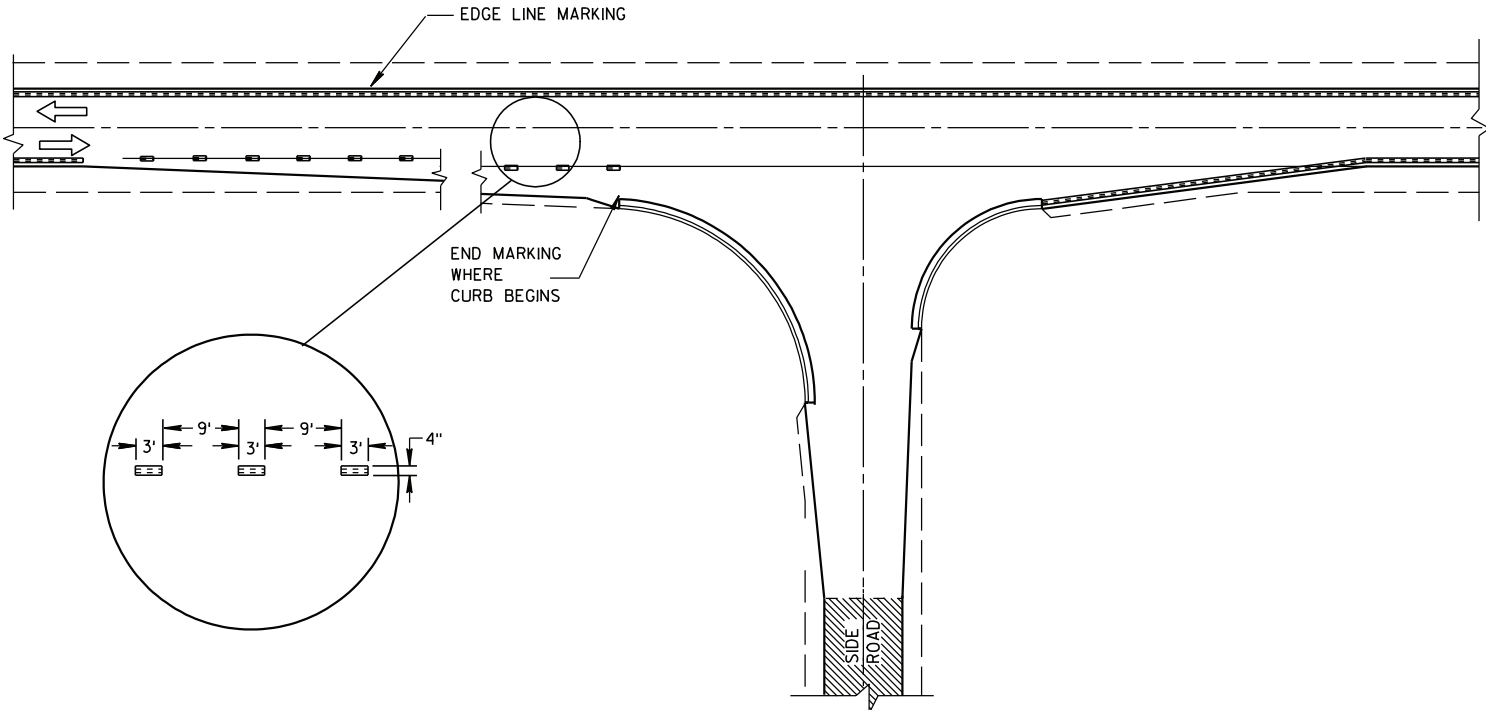
MINOR INTERSECTION WITHOUT CURBS

⑦

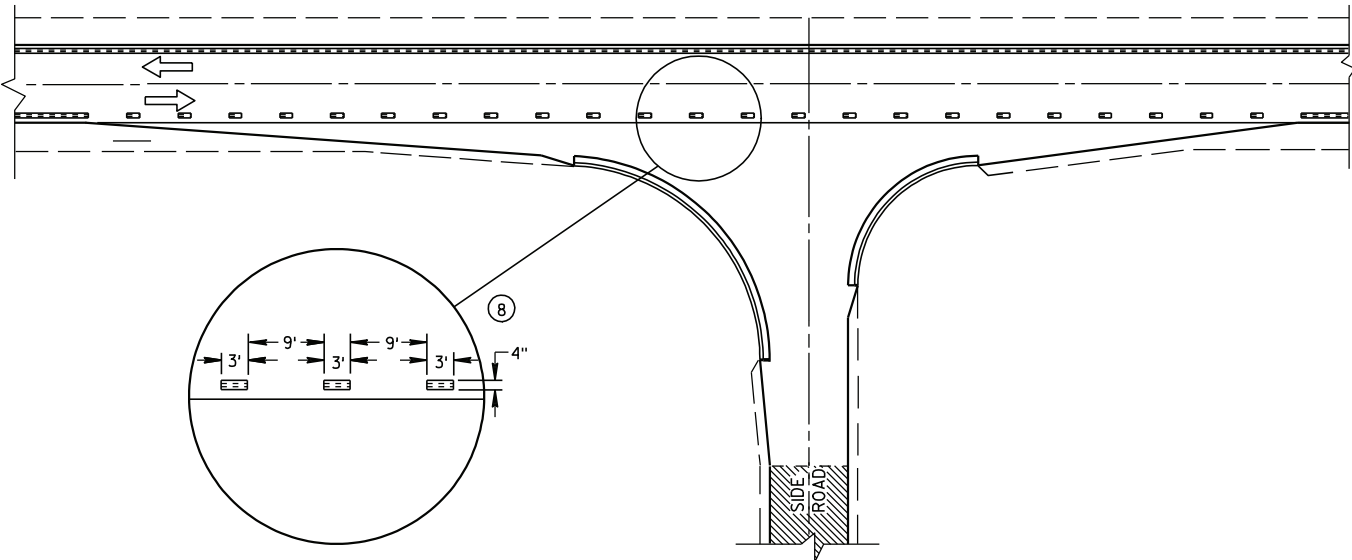
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



MAJOR INTERSECTIONS  
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS  
(TYPICAL MARKING)



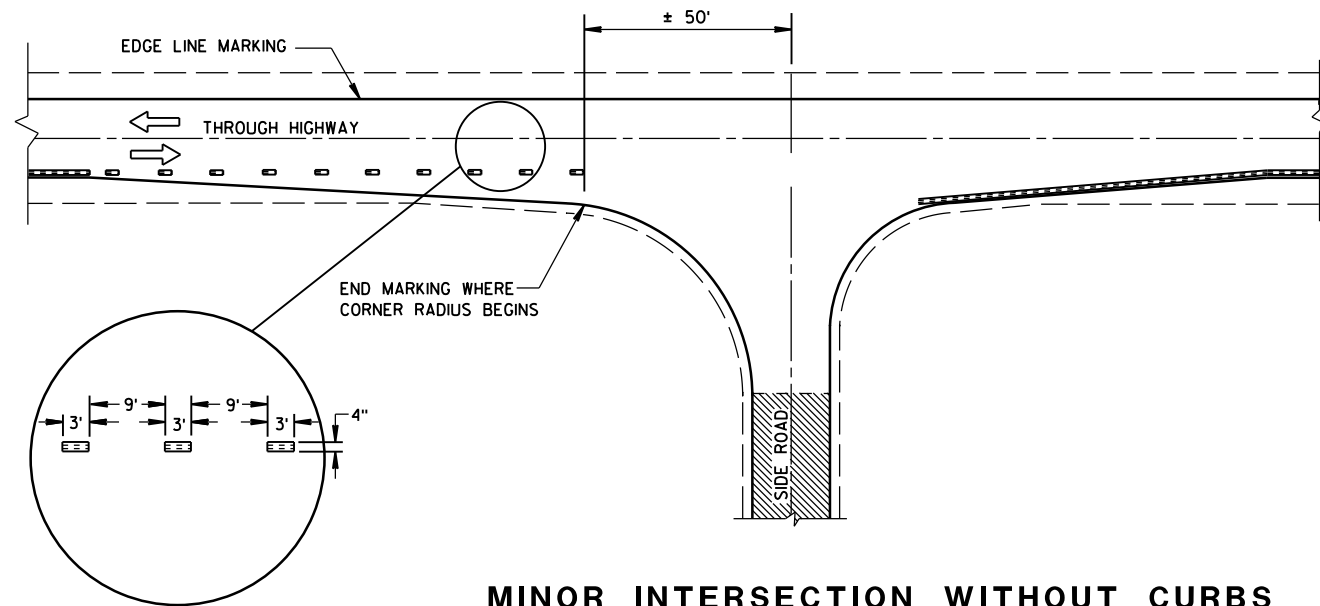
MINOR INTERSECTION WITH CURBS  
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

GENERAL NOTES

- EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
  - ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
  - ③ ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.
  - ④ THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.
  - ⑤ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
  - ⑥ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
  - ⑦ IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.
  - ⑧ 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ARROW SYMBOL ( → ) SHOWS DIRECTION OF TRAVEL

PAVEMENT MARKING  
(INTERSECTIONS)

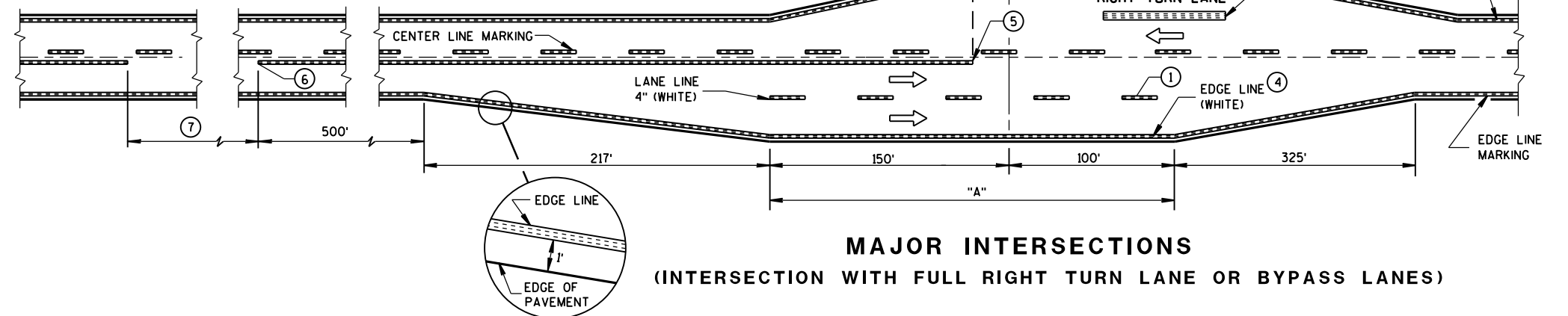
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



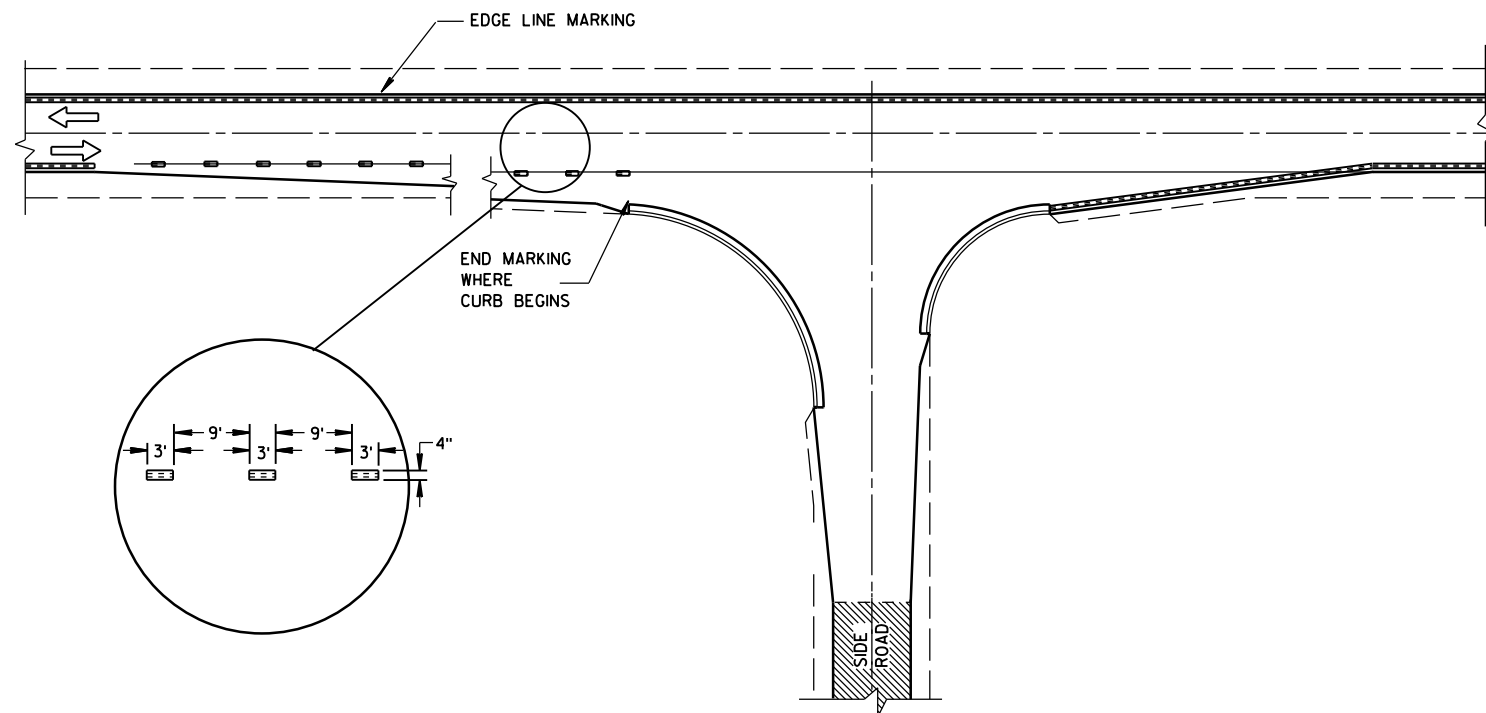
**MINOR INTERSECTION WITHOUT CURBS**

⑦

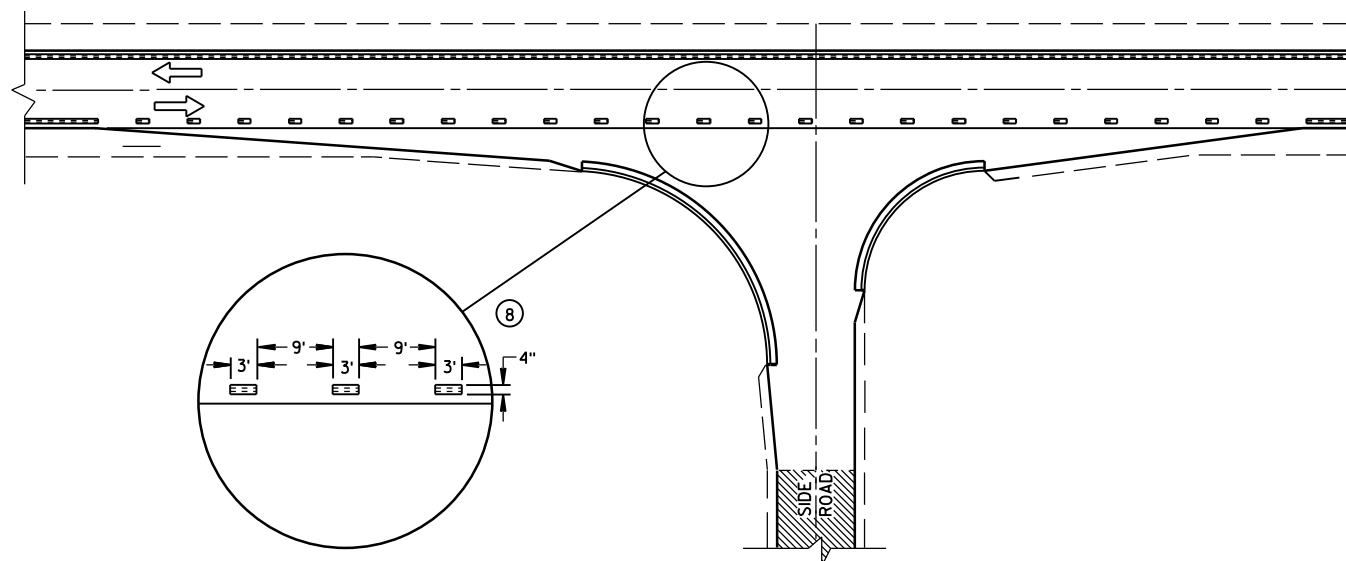
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



**MAJOR INTERSECTIONS**  
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



**MINOR INTERSECTION WITH CURBS**  
(TYPICAL MARKING)



**MINOR INTERSECTION WITH CURBS**  
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

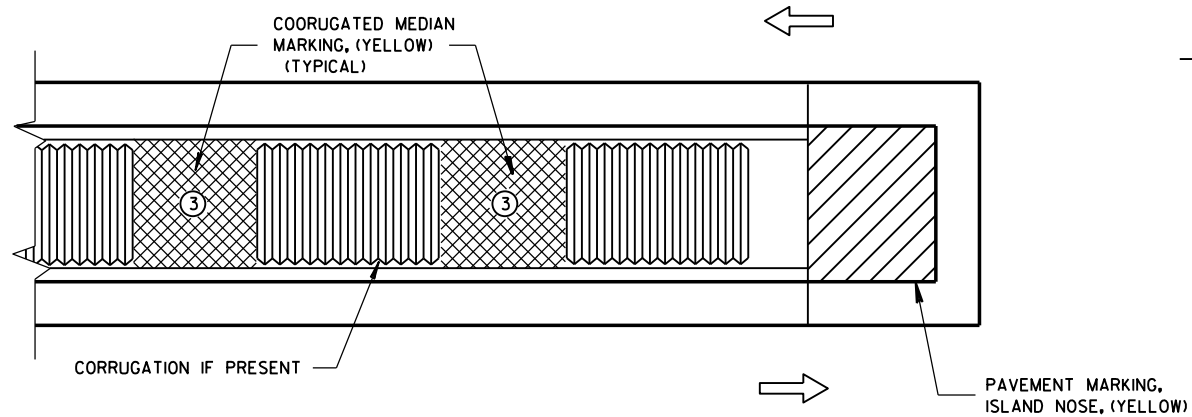
## GENERAL NOTES

- EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
  - ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
  - ③ ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.
  - ④ THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.
  - ⑤ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
  - ⑥ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
  - ⑦ IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.
  - ⑧ 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ARROW SYMBOL ( → ) SHOWS DIRECTION OF TRAVEL

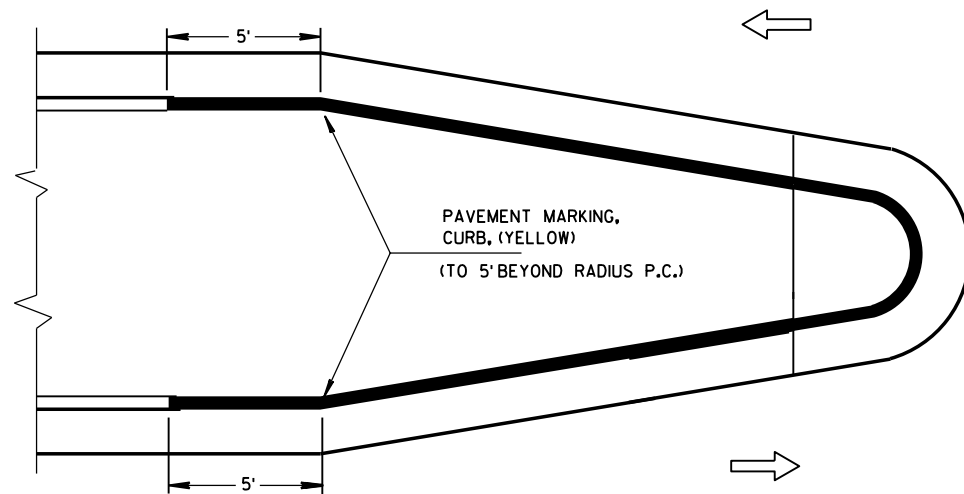
PAVEMENT MARKING  
(INTERSECTIONS)

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

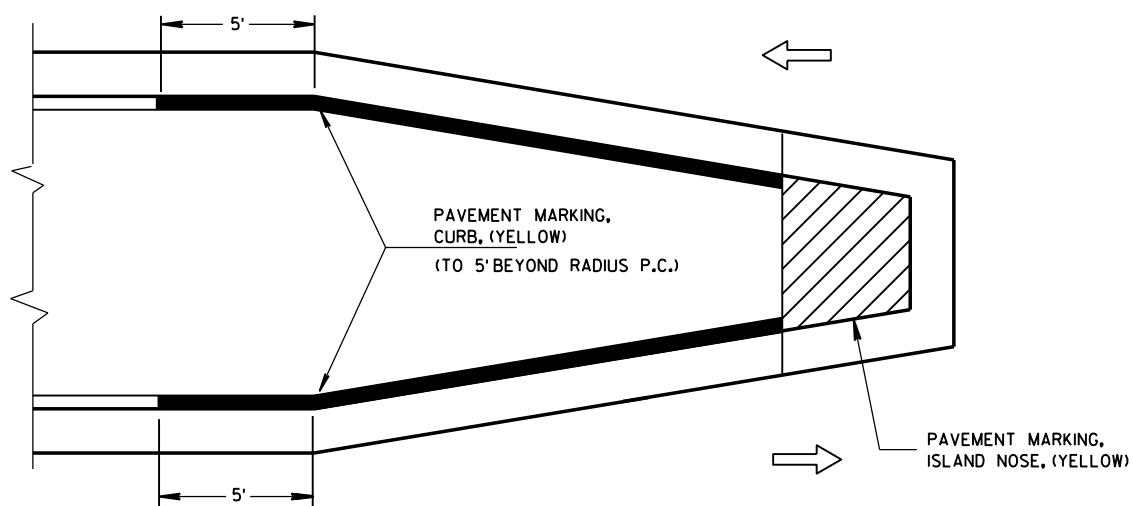




**MEDIAN ISLAND WITH SQUARE BLUNT NOSE**

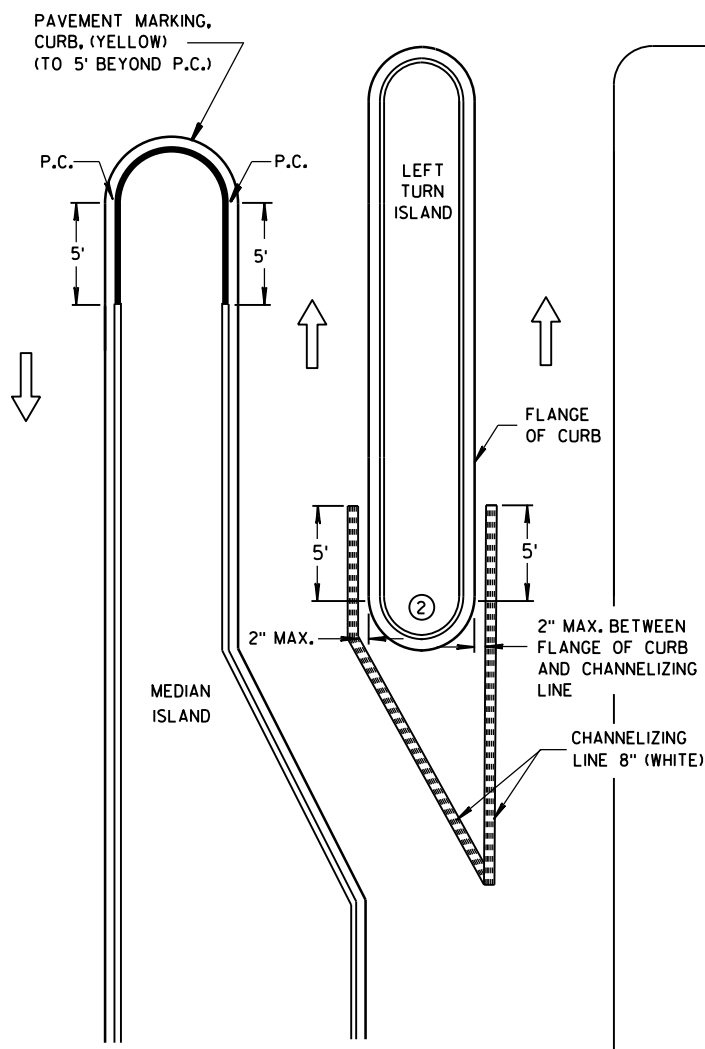


**MEDIAN ISLAND WITH ROUND BLUNT NOSE**



**MEDIAN ISLAND WITH SLOPED NOSE**

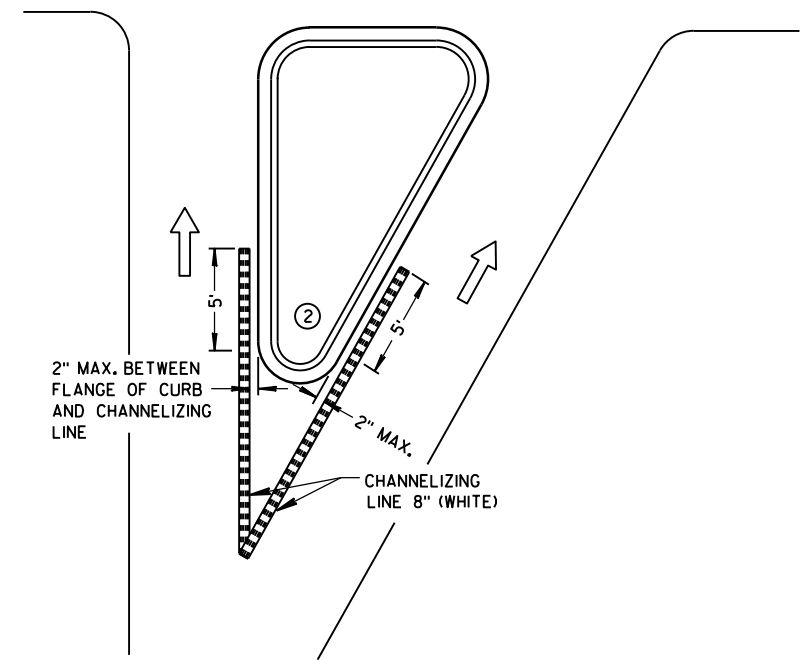
**TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS**



**LEFT TURN & MEDIAN ISLAND**

**GENERAL NOTES**

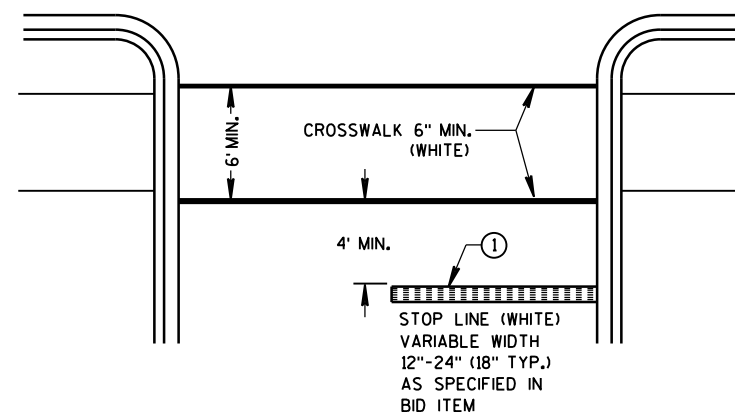
- ① STOP LINE IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
- ② DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
- ③ WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



**RIGHT TURN ISLAND**

**LEGEND**

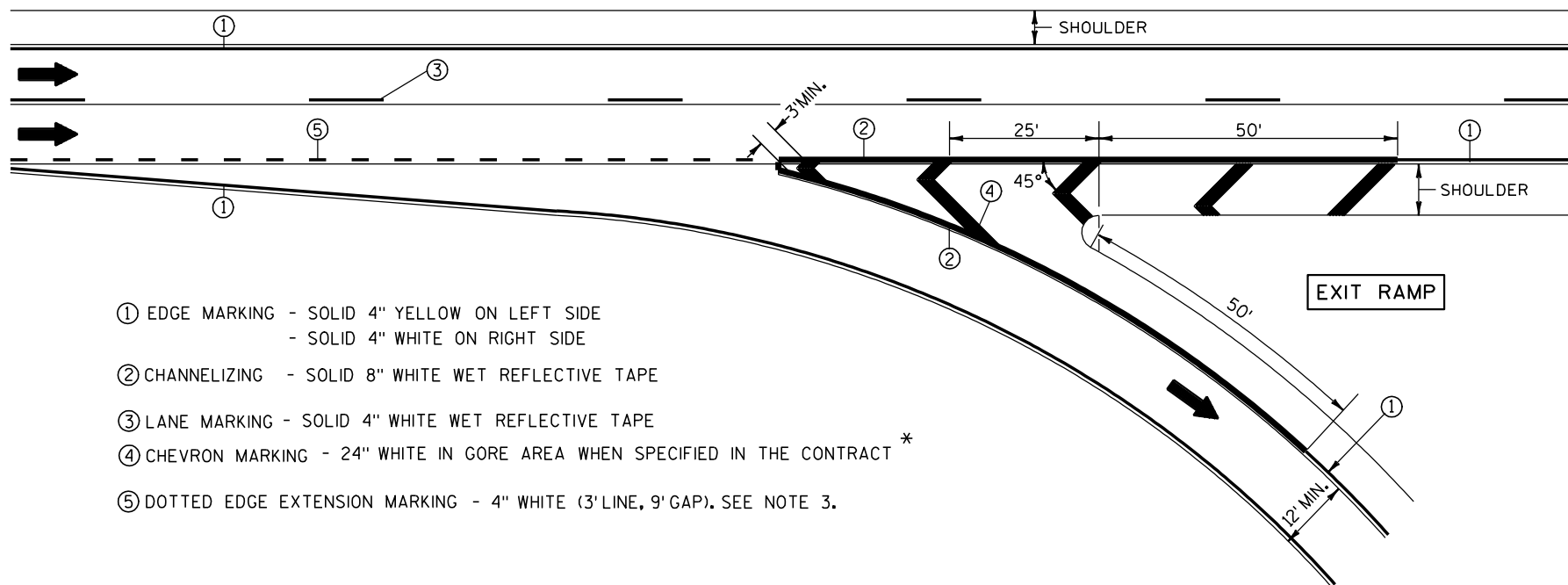
- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL



**STOP LINE AND CROSSWALK**

**PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

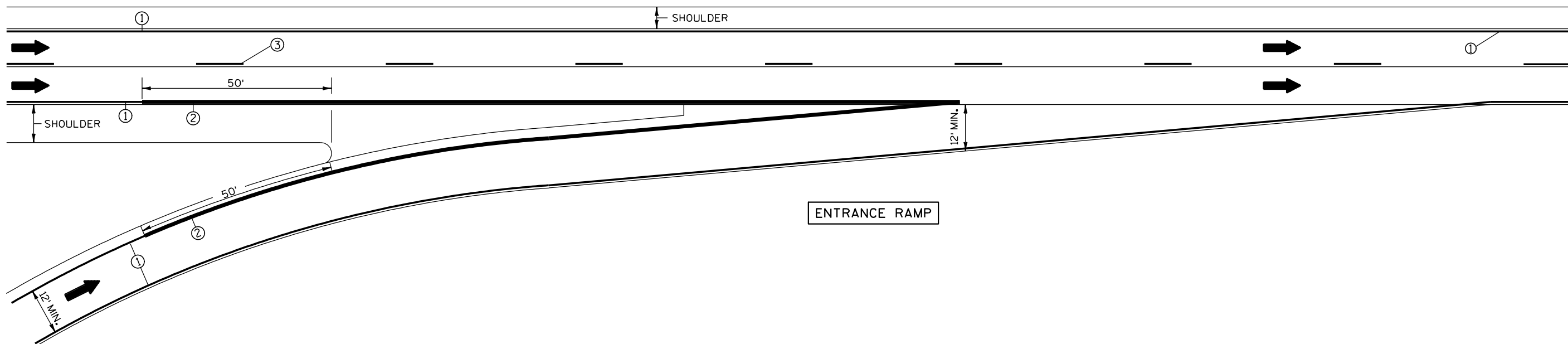


- ① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE  
- SOLID 4" WHITE ON RIGHT SIDE
- ② CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE
- ③ LANE MARKING - SOLID 4" WHITE WET REFLECTIVE TAPE
- ④ CHEVRON MARKING - 24" WHITE IN GORE AREA WHEN SPECIFIED IN THE CONTRACT \*
- ⑤ DOTTED EDGE EXTENSION MARKING - 4" WHITE (3' LINE, 9' GAP). SEE NOTE 3.

NOTES:

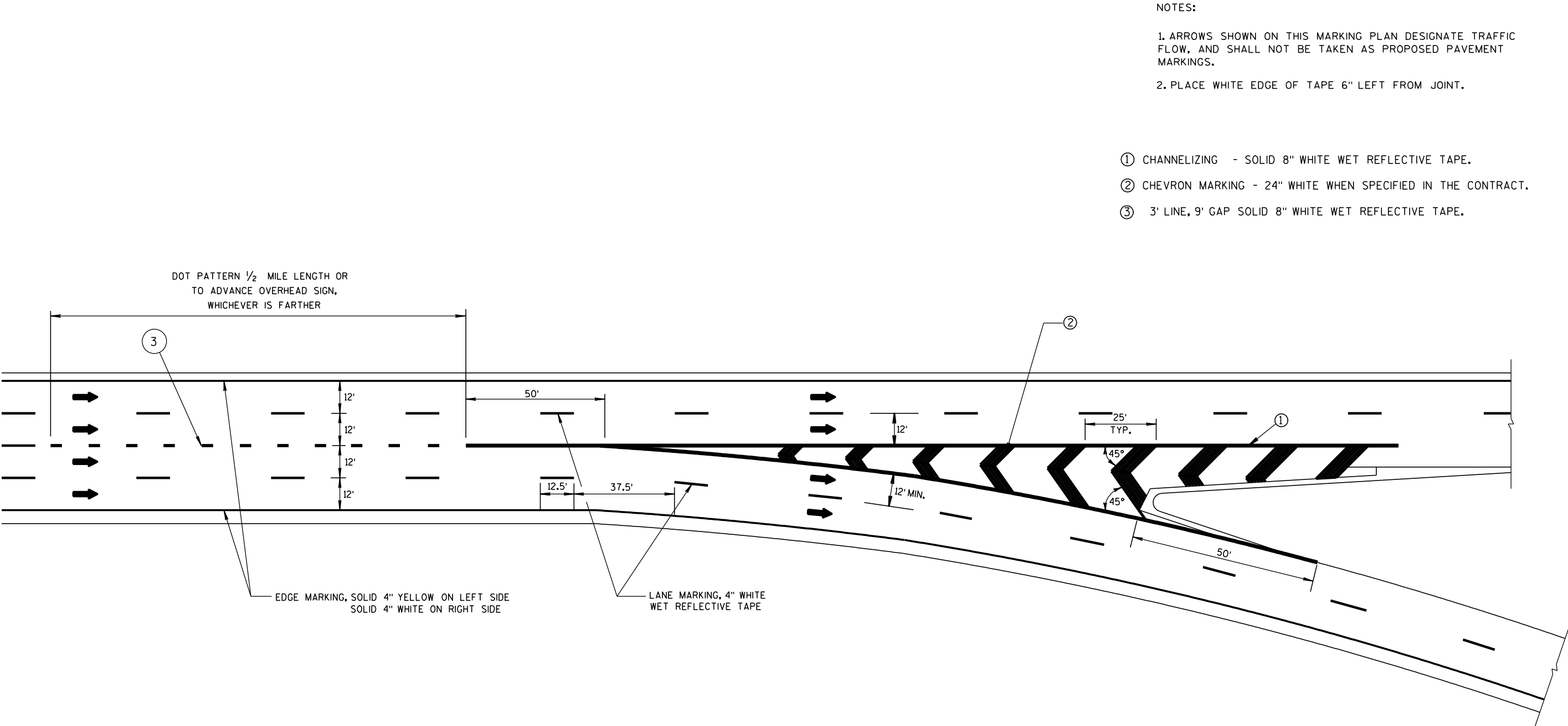
- 1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
- 2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.
- 3. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- 4. RETRACE EXISTING DIAGONAL MARKINGS.

\* REFER TO DESIGN NOTES.

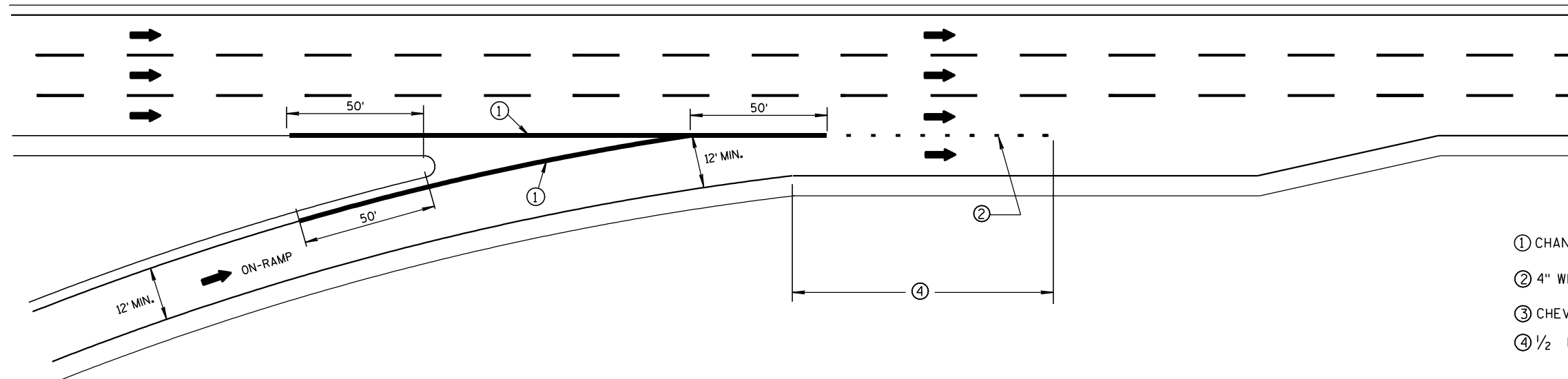


PAVEMENT MARKING  
(RAMPS AND GORES)

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



- NOTES:
1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC  
FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT  
MARKINGS.
2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.
- ① CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE.
- ② CHEVRON MARKING - 24" WHITE WHEN SPECIFIED IN THE CONTRACT.
- ③ 3' LINE, 9' GAP SOLID 8" WHITE WET REFLECTIVE TAPE.

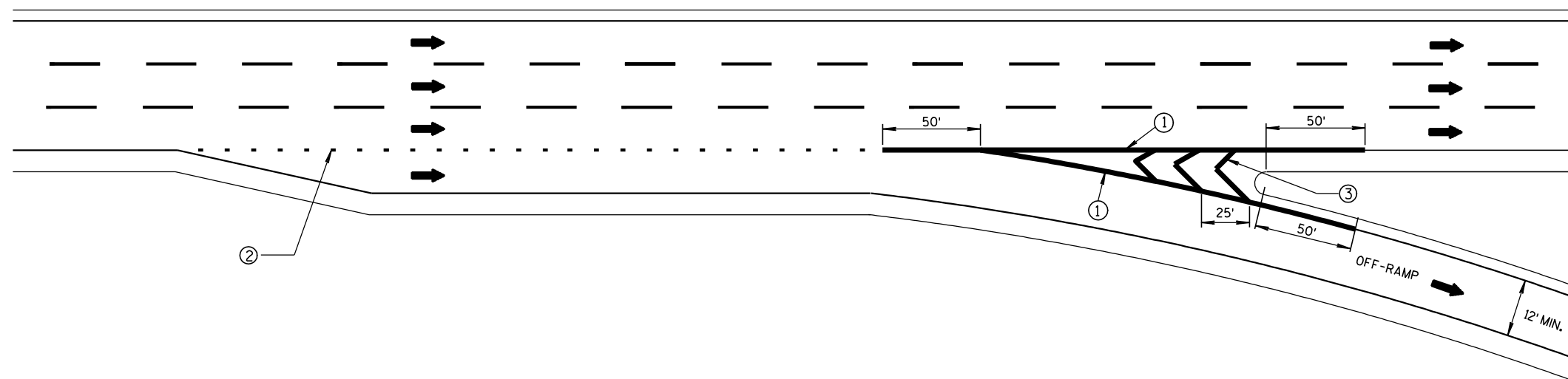
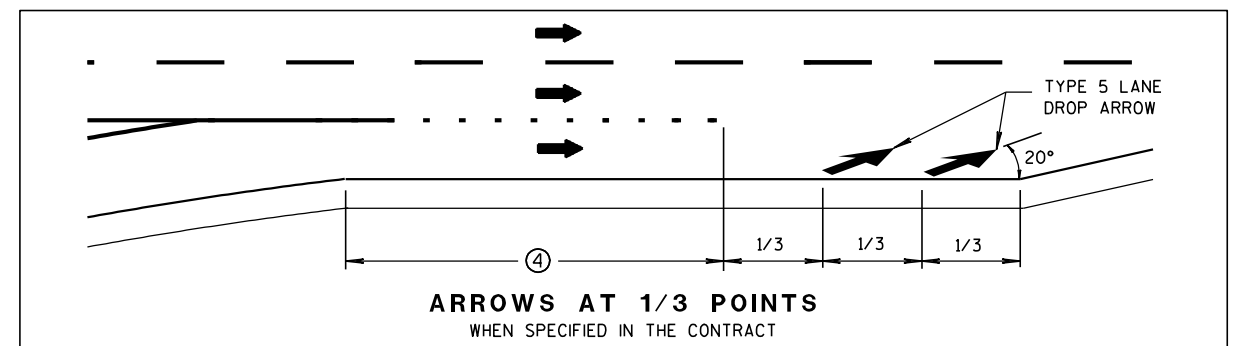


## NOTES:

1. AHEAD ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.
3. RETRACE EXISTING DIAGONAL MARKINGS.

- ① CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE IN GORE AREA.
- ② 4" WHITE (3' LINE, 9' GAP).
- ③ CHEVRON MARKING - 24" WHITE WHEN SPECIFIED IN THE CONTRACT.
- ④ 1/2 LENGTH OF FULL WIDTH ACCELERATION LANE.

## SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE-RAMP



## SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

PAVEMENT MARKING FOR  
PARALLEL ON-RAMP AND  
PARALLEL OFF-RAMPSTATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED

6/23/2011

DATE

FHWA

/S/ Thomas N. Notbohm

STATE TRAFFIC ENGINEER OF DESIGN

## Notes



## *Wisconsin Department of Transportation*

Dedicated people creating transportation solutions  
through innovation and exceptional service.

<http://www.dot.wisconsin.gov>