

WIS JANUARY 2018

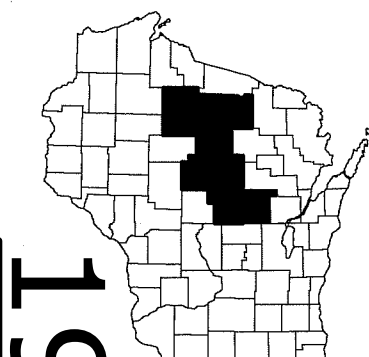
PROJECT ID: 1009-42-47

COUNTY: NC 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 = 30



DESIGN DESIGNATION 1009-42-46

A.A.D.T.	VARIES	=	VARIES
A.A.D.T.	VARIES	=	VARIES
D.H.V.		=	VARIES
D.D.		=	VARIES
T.		=	VARIES
DESIGN SPEED		=	VARIES
ESALS		=	VARIES

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	

ROCK	
LABEL	
E	
FO	
G	
SAN	
SS	
T	
W	
di	
di	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

NC REGION, EPOXY PAVEMENT MARKING

LOCATIONS ON STN PER ANNUAL PLAN

VAR HWY

NORTH CENTRAL REGION WIDE

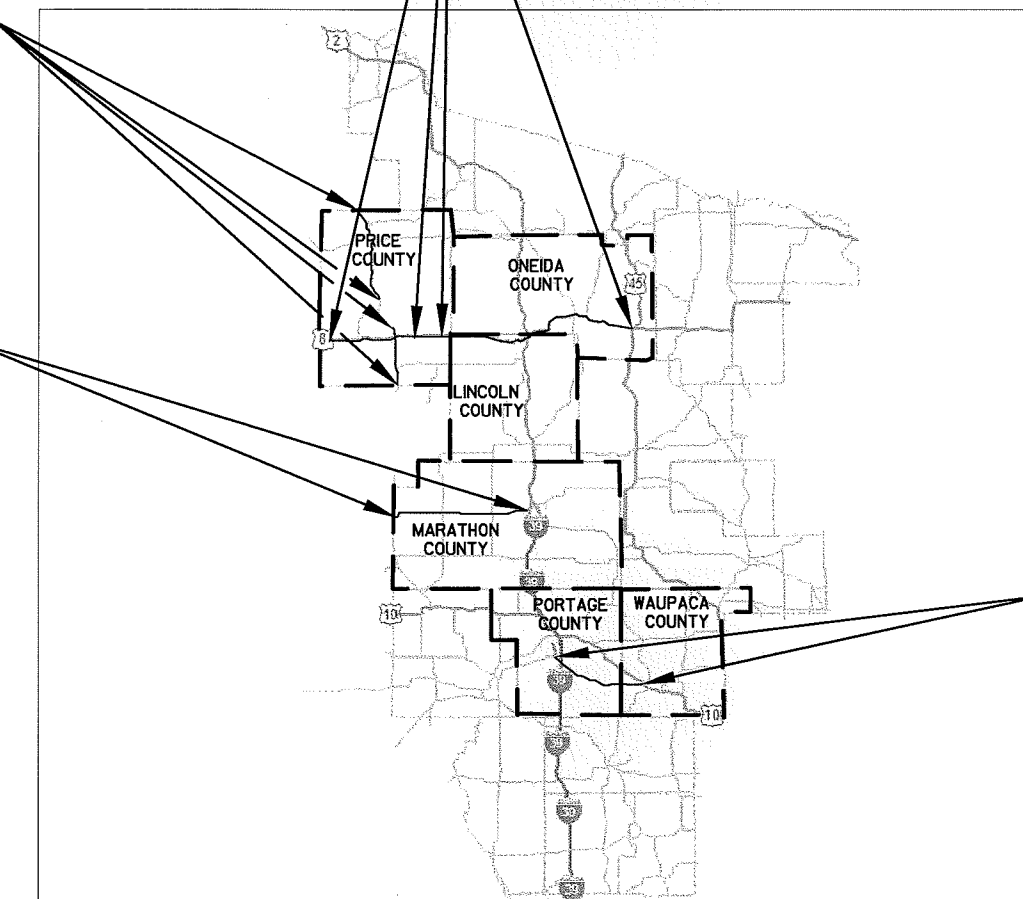
STATE PROJECT NUMBER
1009-42-47

SEGMENT
US 8
(RUSK CO LINE TO JUMP RIVER BRIDGE)
(LUSTILA RD TO USH 45)

SEGMENT
STH 13
(TAYLOR CO LINE TO CTH A)
(CTH D TO ASHLAND CO LINE)

SEGMENT
STH 29
(CLARK CO TO US 51)

SEGMENT
STH 54
(CTH B TO JOANN ST)



LAYOUT
SCALE 0 NA

TOTAL NET LENGTH OF CENTERLINE = 0 MILES

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1009-42-47	WISC 2018051	1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	NC REGION
Designer	AL SMITH
Project Manager	TIMOTHY HANLEY
Regional Examiner	CHERYL SIMON
Regional Supervisor	NICHOLE LYSNE

APPROVED FOR THE DEPARTMENT
DATE: 7-17-17

E

DNR LIAISON

WENDY HENNIGES (715)365-8916
wendy.henniges@wisconsin.gov
COUNTIES: ONEIDA, LINCOLN

MARC HERSHFIELD (715)421-7867
marc.hershfield@wisconsin.gov
COUNTIES: MARATHON, PORTAGE & WAUPACA

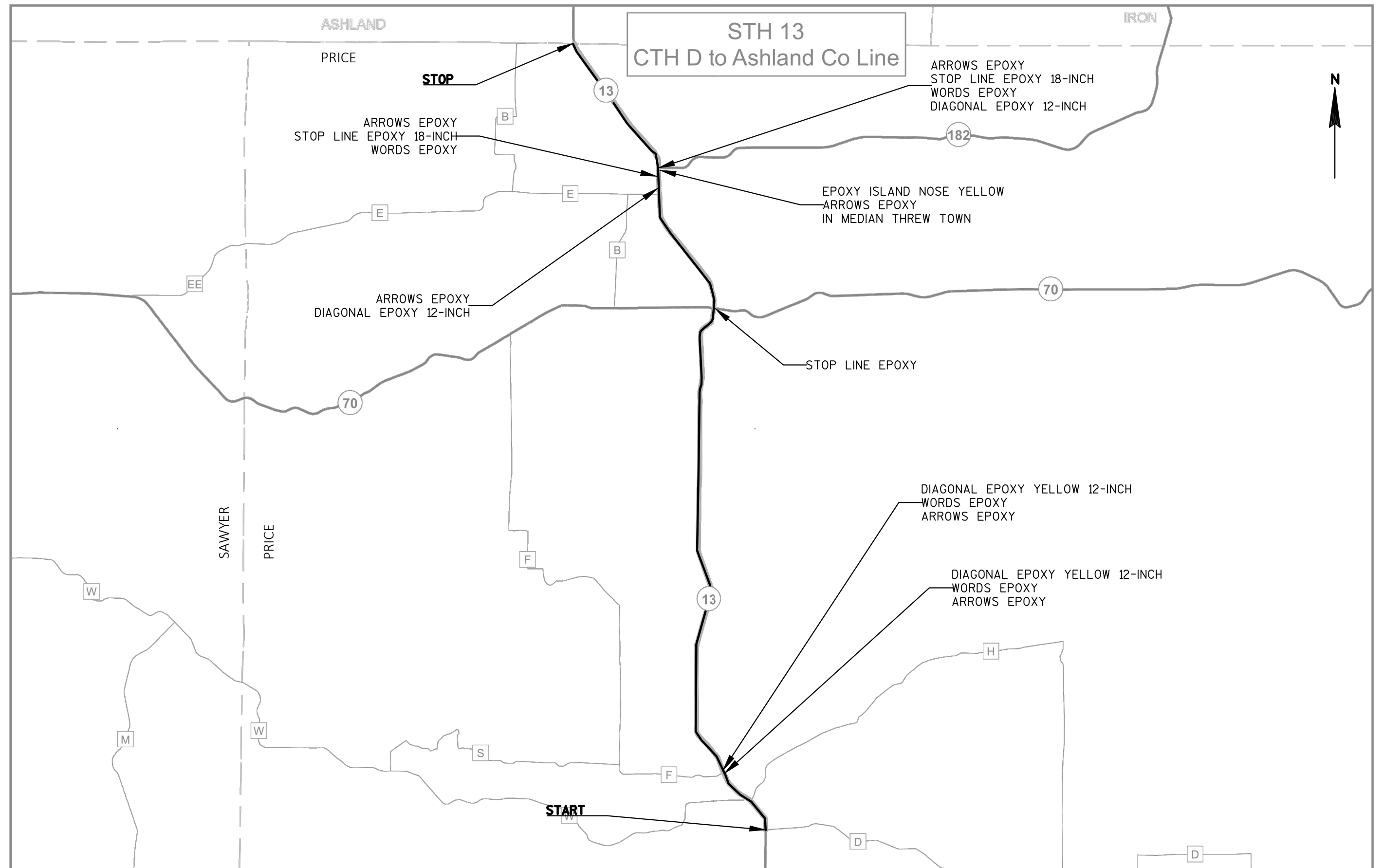
SHAWN HASELEU (715)635-4228
shawn.haseleu@wisconsin.gov
COUNTIES: PRICE

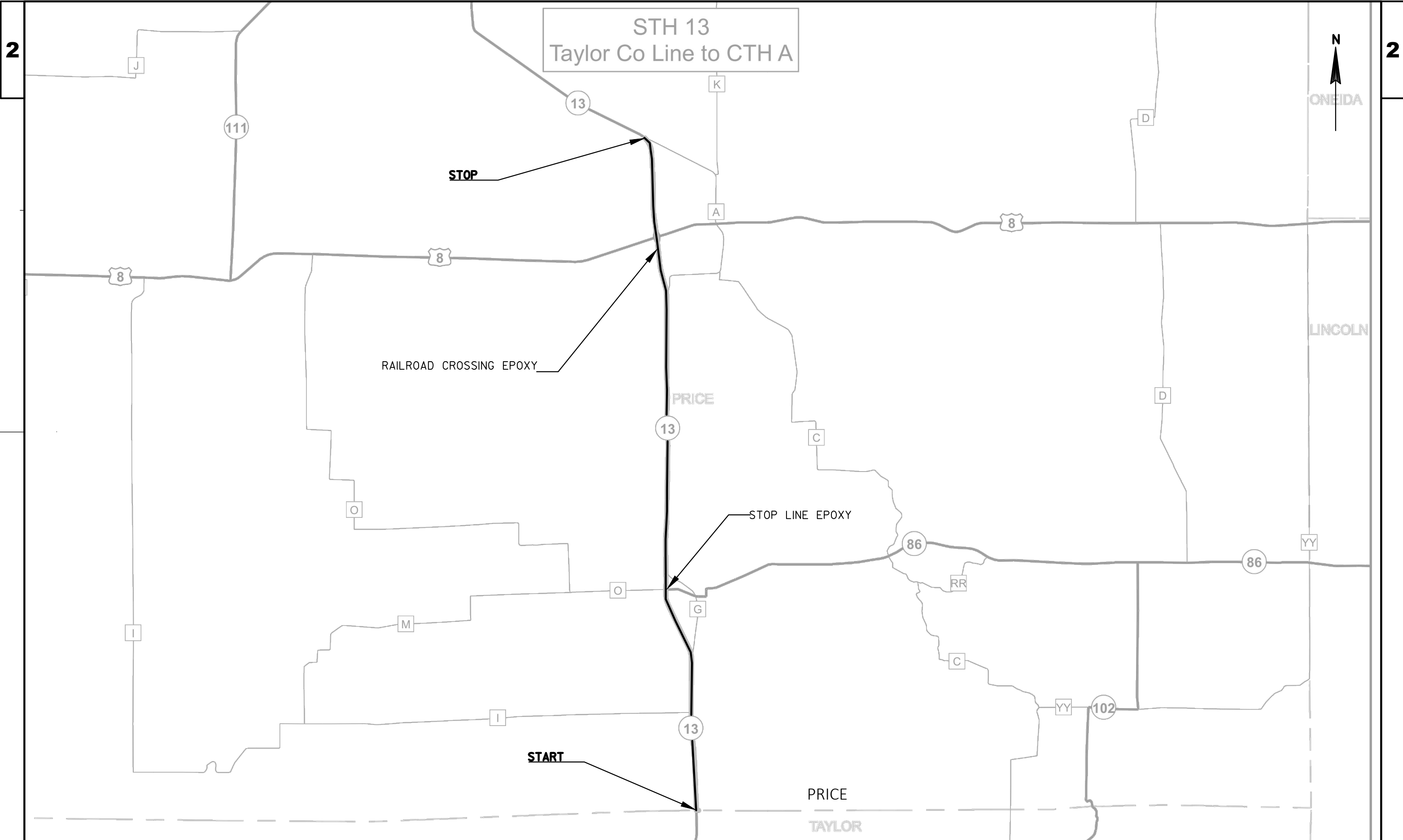
GENERAL NOTES

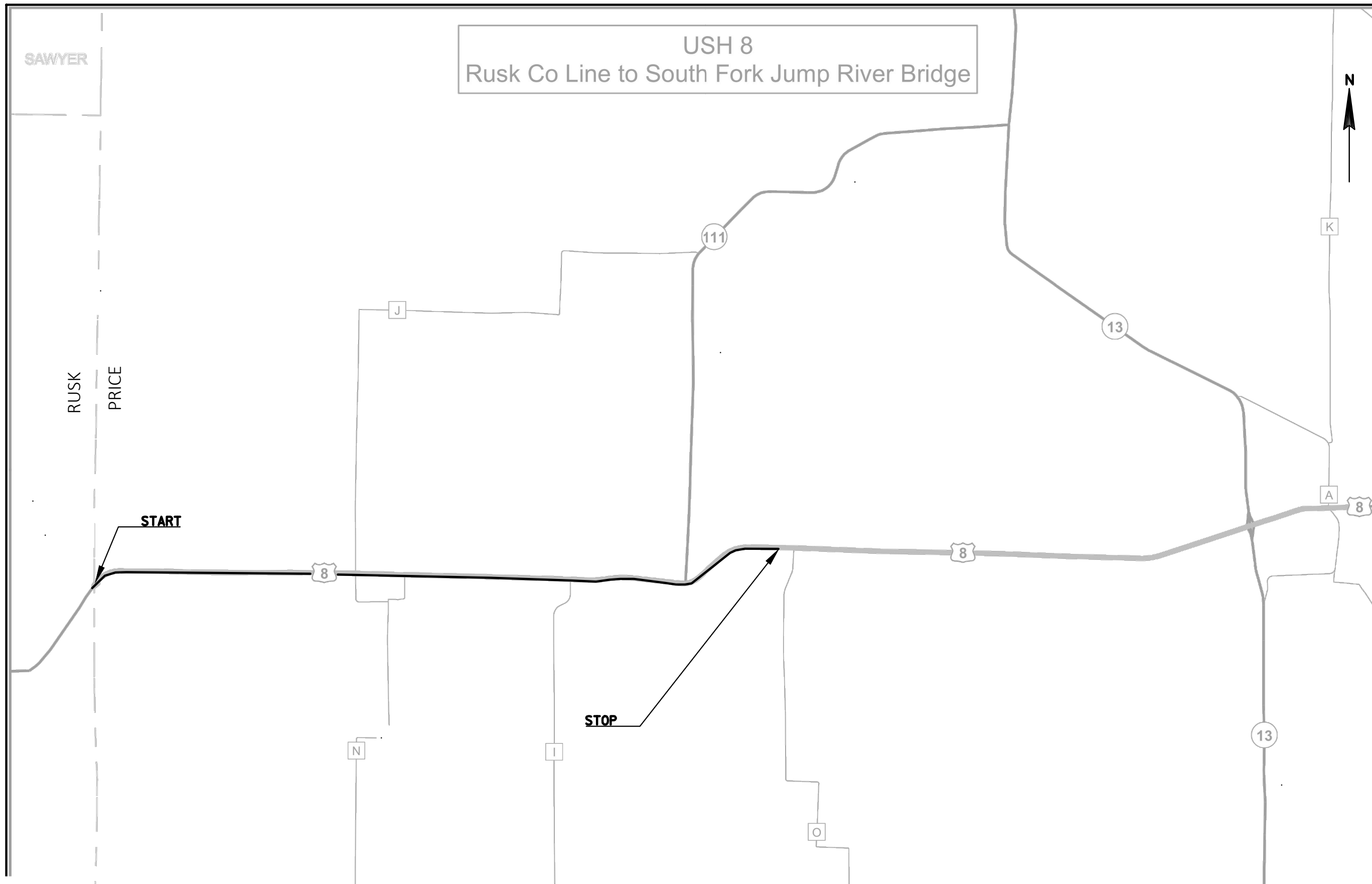
THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS.



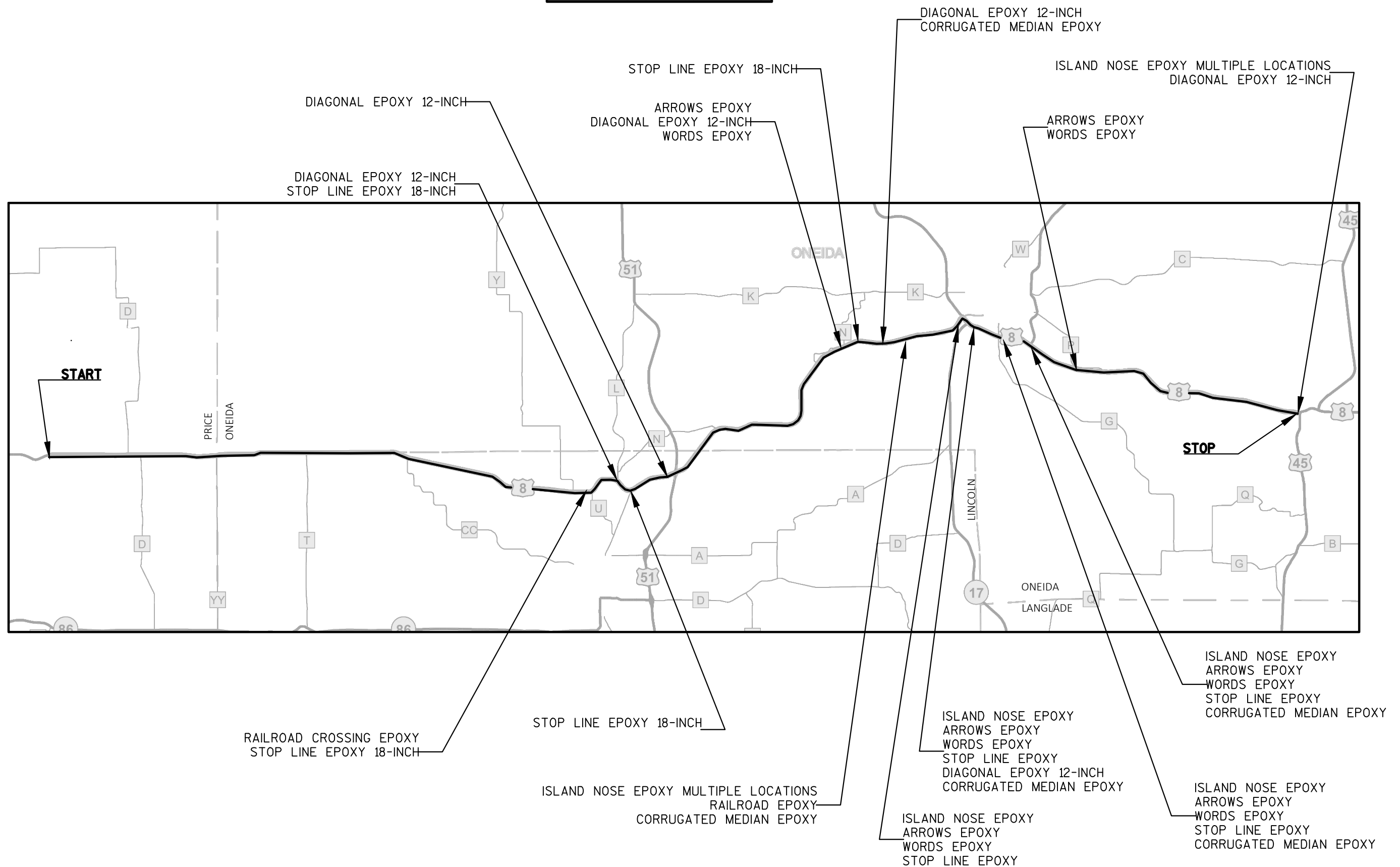
Dial  or (800)242-8511
www.DiggersHotline.com



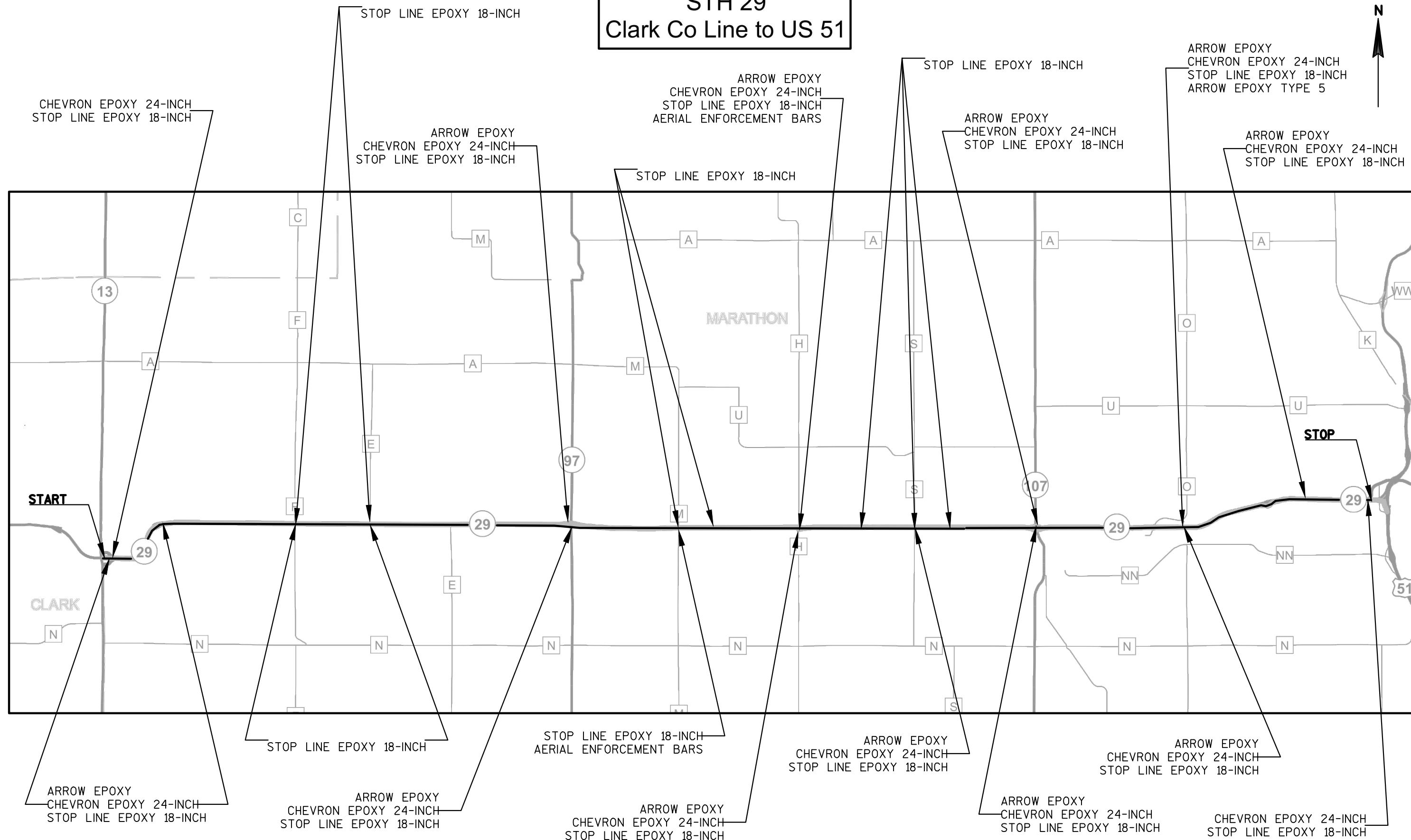


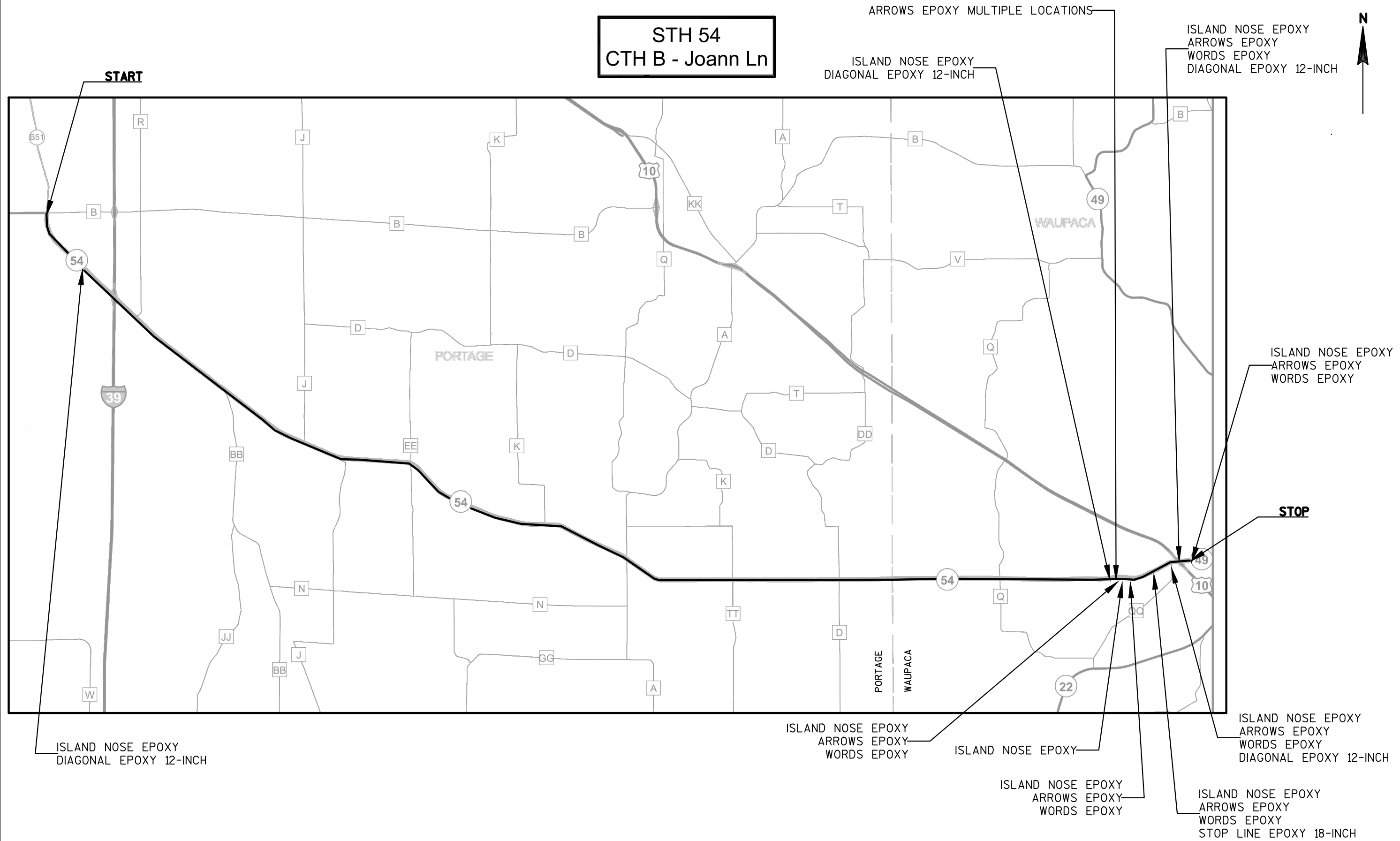


USH 8
Lustilla Rd to USH 45 South



STH 29 Clark Co Line to US 51





Estimate Of Quantities

1009-42-47

Line	Item	Item Description	Unit	Total	Qty
0002	619.1000	Mobilization	EACH	1.000	1.000
0004	643.5000	Traffic Control	EACH	1.000	1.000
0006	646.1020	Marking Line Epoxy 4-Inch	LF	2,748,785.000	2,748,785.000
0008	646.3020	Marking Line Epoxy 8-Inch	LF	61,602.000	61,602.000
0010	646.5020	Marking Arrow Epoxy	EACH	126.000	126.000
0012	646.5120	Marking Word Epoxy	EACH	65.000	65.000
0014	646.5320	Marking Railroad Crossings Epoxy	EACH	6.000	6.000
0016	646.5420	Marking Aerial Enforcement Bar Epoxy	LF	120.000	120.000
0018	646.6120	Marking Stop Line Epoxy 18-Inch	LF	1,546.000	1,546.000
0020	646.7120	Marking Diagonal Epoxy 12-Inch	LF	5,121.000	5,121.000
0022	646.7220	Marking Chevron Epoxy 24-Inch	LF	2,958.000	2,958.000
0024	646.8020	Marking Corrugated Median Epoxy	SF	12,337.000	12,337.000
0026	646.8220	Marking Island Nose Epoxy	EACH	74.000	74.000
0028	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	150.000	150.000
0030	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	300.000

MARKING (PRICE COUNTIY)												
LOCATION		646.1020 LINE EPOXY 4-INCH		646.3020 LINE EPOXY 8-INCH	646.5020 ARROW EPOXY EACH	646.5120 WORD EPOXY EACH	646.5320 RAILROAD CROSSING EPOXY EACH	646.6120 STOP LINE EPOXY 18-INCH LF	646.7120 DIAGONAL EPOXY 12-INCH YELLOW LF	646.8220 ISLAND NOSE EPOXY YELLOW EACH	REMARKS	
		YELLOW	WHITE	WHITE	EACH	EACH	EACH	LF	LF	EACH		
		LF	LF	LF								
PRICE COUNTY	STH 13	218,110	387,752	7,025	---	---	---	---	---	---	MAIN LINE	
PRICE COUNTY	STH 13 & STH 85	---	---	---	---	---	2	---	---	---	MAIN LINE	
PRICE COUNTY	STH 13 & STH 86	---	---	---	---	---	---	36	---	---	STOP BAR ON 86 ONLY	
PRICE COUNTY	STH 13 & CTH F	---	---	---	7	6	---	---	600	---	INTERSECTION	
PRICE COUNTY	STH 13 & OLD 13	---	---	---	4	2	---	---	300	---	INTERSECTION	
PRICE COUNTY	STH 13 & STH 70	---	---	---	---	---	---	40	---	---	INTERSECTION	
PRICE COUNTY	STH 13 IN PARKFALLS MEDIAN	---	---	---	20	---	---	---	---	16	MEDIAN	
PRICE COUNTY	STH 13 & SKOPKO	---	---	---	2	---	---	---	28	---	INTERSECTION	
PRICE COUNTY	STH 13 & CTH E	---	---	---	6	1	---	60	---	---	INTERSECTION	
PRICE COUNTY	STH 13 & STH 182	---	---	---	8	2	---	74	42	---	INTERSECTION	
PRICE COUNTY	STH 13 & DIVISION ST	---	---	---	---	---	---	---	12	---	INTERSECTION	
PRICE COUNTY	STH 13 & 9TH ST	---	---	---	1	2	---	---	---	---	INTERSECTION	
PRICE COUNTY	STH 13 & LEGACY LN	---	---	---	1	1	---	---	---	---	INTERSECTION	
		---	---	---	---	---	---	---	---	---		
	SUBTOTALS:	218,110	387,752									
	TOTALS:	605,862		7,025	49	14	2	210	982	16		

MARKING (PRICE, LINCOLN & ONEIDA COUNTIES)													
LOCATION		646.1020 LINE EPOXY 4-INCH		646.3020 LINE EPOXY 8-INCH	646.5020 ARROW EPOXY EACH	646.5120 WORD EPOXY EACH	646.5320 RAILROAD CROSSING EPOXY EACH	646.6120 STOP LINE EPOXY 18-INCH	646.7120 DIAGONAL EPOXY 12-INCH		646.8020 CORRUGATED MEDIAN EPOXY YELLOW S.F.	646.8220 ISLAND NOSE EPOXY YELLOW LF	REMARKS
		YELLOW LF	WHITE LF	WHITE LF				LF	YELLOW LF	WHITE LF			
PRICE, LINCOLN & ONEIDA		383,362	649,747	7,539	---	---	---	---	---	---	---	---	MAINLINE
LINCOLN COUNTY	US 8 & CTH Y - RAILROAD CROSSING	---	---	---	---	---	2	24	---	---	---	---	INTERSECTION / MAINLINE
LINCOLN COUNTY	US 8 & CTH L	---	---	---	---	---	---	23	---	510	---	---	INTERSECTION
LINCOLN COUNTY	US 8 & CTH A	---	---	---	---	---	---	24	---	---	---	---	INTERSECTION
LINCOLN COUNTY	US 8 & SHELL GAS STATION	---	---	---	---	---	---	---	920	---	---	---	INTERSECTION
ONEIDA COUNTY	US 8 & CRESCENT RD	---	---	---	10	6	---	---	1,260	---	---	---	INTERSECTION
ONEIDA COUNTY	US 8 & WAUSAU RD	---	---	---	---	---	---	26	---	---	---	---	TURN LANES PAINT RAMP ISLAND ONLY
ONEIDA COUNTY	US 8 & CHARLES DENTON RD	---	---	---	---	---	---	---	608	---	480	---	MAINLINE
ONEIDA COUNTY	US 8 & GOLF COURSE RD	---	---	---	---	---	---	---	---	---	---	2	INTERSECTION
ONEIDA COUNTY	US 8 & SOUTH FOX RANCH ROAD	---	---	---	---	---	---	---	---	---	---	2	INTERSECTION
ONEIDA COUNTY	US 8 & LAKE SHORE LN	---	---	---	---	---	2	---	---	---	---	2	INTERSECTION
ONEIDA COUNTY	US 8 & AIRPORT RD	---	---	---	---	---	---	---	---	---	---	2	INTERSECTION
ONEIDA COUNTY	US 8 & DRIVE WAY	---	---	---	---	---	---	---	---	---	---	2	INTERSECTION
ONEIDA COUNTY	US 8 & DRIVE WAY	---	---	---	---	---	---	---	---	---	---	2	INTERSECTION
ONEIDA COUNTY	US 8 & DRIVE WAY	---	---	---	---	---	---	---	---	---	---	2	INTERSECTION
ONEIDA COUNTY	US 8 & SOUTH RIVER RD	---	---	---	---	---	---	---	---	---	1,207	2	INTERSECTION
ONEIDA COUNTY	US 8 & DRIVE WAY	---	---	---	---	---	---	---	---	---	---	2	INTERSECTION
ONEIDA COUNTY	US 8 & DRIVE WAY	---	---	---	---	---	---	---	---	---	---	2	INTERSECTION
ONEIDA COUNTY	US 8 & HWY 47	---	---	---	5	9	---	117	---	---	---	5	INTERSECTION
ONEIDA COUNTY	US 8 & HWY 17	---	---	---	7	7	---	28	---	159	5,420	4	INTERSECTION
ONEIDA COUNTY	US 8 & CTH G	---	---	---	3	3	---	56	---	---	4,860	3	INTERSECTION
ONEIDA COUNTY	US 8 & CTH 17 NORTH	---	---	---	6	9	---	80	---	---	370	4	INTERSECTION
ONEIDA COUNTY	US 8 & CTH P	---	---	---	1	1	---	---	---	---	---	---	INTERSECTION
ONEIDA COUNTY	US 8 & HWY 45 SOUTH	---	---	---	---	---	---	---	---	296	---	2	INTERSECTION
ONEIDA COUNTY		---	---	---	---	---	---	---	---	---	---	---	INTERSECTION
		---	---	---	---	---	---	---	---	---	---	---	
	SUBTOTALS:	383,362	649,747						2,788	965			
	TOTALS:	1,033,109		7,539	32	35	4	378	3,753		12,337	38	

MARKING (MARATHON COUNTY)									
LOCATION		646.1020 LINE EPOXY 4-INCH		646.3020 LINE EPOXY 8-INCH WHITE LF	646.5020 ARROW EPOXY EACH	646.5420 AERIAL ENFORCEMENT BARS 24" LF	646.61200 STOP LINE EPOXY 18-INCH LF	646.7220 CHEVRON EPOXY 24-INCH WHITE EACH	REMARKS
		YELLOW LF	WHITE LF						
MARATHON COUNTY	LONG LINE & TURN LANE	335,491	393,148	42,132	---	---	---	---	MAINLINE
MARATHON COUNTY	STH 29 EB & STH 13 OFF RAMP	---	---	---	1	---	41	170	PAINT AS EXISTING
MARATHON COUNTY	STH 29 EB & CTH F	---	---	---	---	---	20	---	INTERSECTION
MARATHON COUNTY	STH 29 EB & CTH E	---	---	---	---	---	16	---	INTERSECTION
MARATHON COUNTY	STH 29 EB & STH 97	---	---	---	1	---	40	260	PAINT AS EXISTING
MARATHON COUNTY	STH 29 EB & CTH M	---	---	---	---	60	21	---	INTERSECTION
MARATHON COUNTY	STH 29 EB & CARDINAL DRIVE	---	---	---	---	---	19	---	INTERSECTION
MARATHON COUNTY	STH 29 EB & CTH H	---	---	---	1	---	30	143	PAINT AS EXISTING
MARATHON COUNTY	STH 29 EB & CARDINAL LN	---	---	---	---	---	20	---	INTERSECTION
MARATHON COUNTY	STH 29 EB & CTH S	---	---	---	---	---	22	---	INTERSECTION
MARATHON COUNTY	STH 29 EB & MARTIN LN	---	---	---	---	---	18	---	INTERSECTION
MARATHON COUNTY	STH 29 EB & STH 107	---	---	---	1	---	25	147	PAINT AS EXISTING
MARATHON COUNTY	STH 29 EB & CTH O	---	---	---	1	---	40	172	PAINT AS EXISTING
MARATHON COUNTY	STH 29 EB & 72ND AVE	---	---	---	1	---	58	172	PAINT AS EXISTING
MARATHON COUNTY	STH 29 EB & STH 52	---	---	---	---	---	46	556	PAINT AS EXISTING
MARATHON COUNTY	STH 29 WB & 72ND AVE	---	---	---	1	---	58	240	PAINT AS EXISTING
MARATHON COUNTY	STH 29 WB & CTH O	---	---	---	4	---	30	172	PAINT AS EXISTING
MARATHON COUNTY	STH 29 WB & STH 107	---	---	---	1	---	35	97	PAINT AS EXISTING
MARATHON COUNTY	STH 29 WB & CTH S	---	---	---	---	---	24	---	INTERSECTION
MARATHON COUNTY	STH 29 WB & 9TH AVE	---	---	---	---	---	22	---	INTERSECTION
MARATHON COUNTY	STH 29 WB & 11TH AVE	---	---	---	---	---	20	---	INTERSECTION
MARATHON COUNTY	STH 29 WB & CTH H	---	---	---	1	60	30	170	PAINT AS EXISTING
MARATHON COUNTY	STH 29 WB & CARDINAL ROAD	---	---	---	---	---	20	---	INTERSECTION
MARATHON COUNTY	STH 29 WB & CTH M	---	---	---	---	---	20	---	INTERSECTION
MARATHON COUNTY	STH 29 WB & STH 97	---	---	---	1	---	40	360	PAINT AS EXISTING
MARATHON COUNTY	STH 29 WB & CTH E NORTH	---	---	---	---	---	23	---	INTERSECTION
MARATHON COUNTY	STH 29 WB & CTH F	---	---	---	---	---	18	---	INTERSECTION
MARATHON COUNTY	STH 29 WB & BSTH 29	---	---	---	---	---	40	124	PAINT AS EXISTING
MARATHON COUNTY	STH 29 WB & STH 13	---	---	---	---	---	42	175	PAINT AS EXISTING
		---	---	---	---	---	---	---	
	SUBTOTALS:	335,491	393,148						
	TOTALS:	728,639		42,132	14	120	838	2,958	

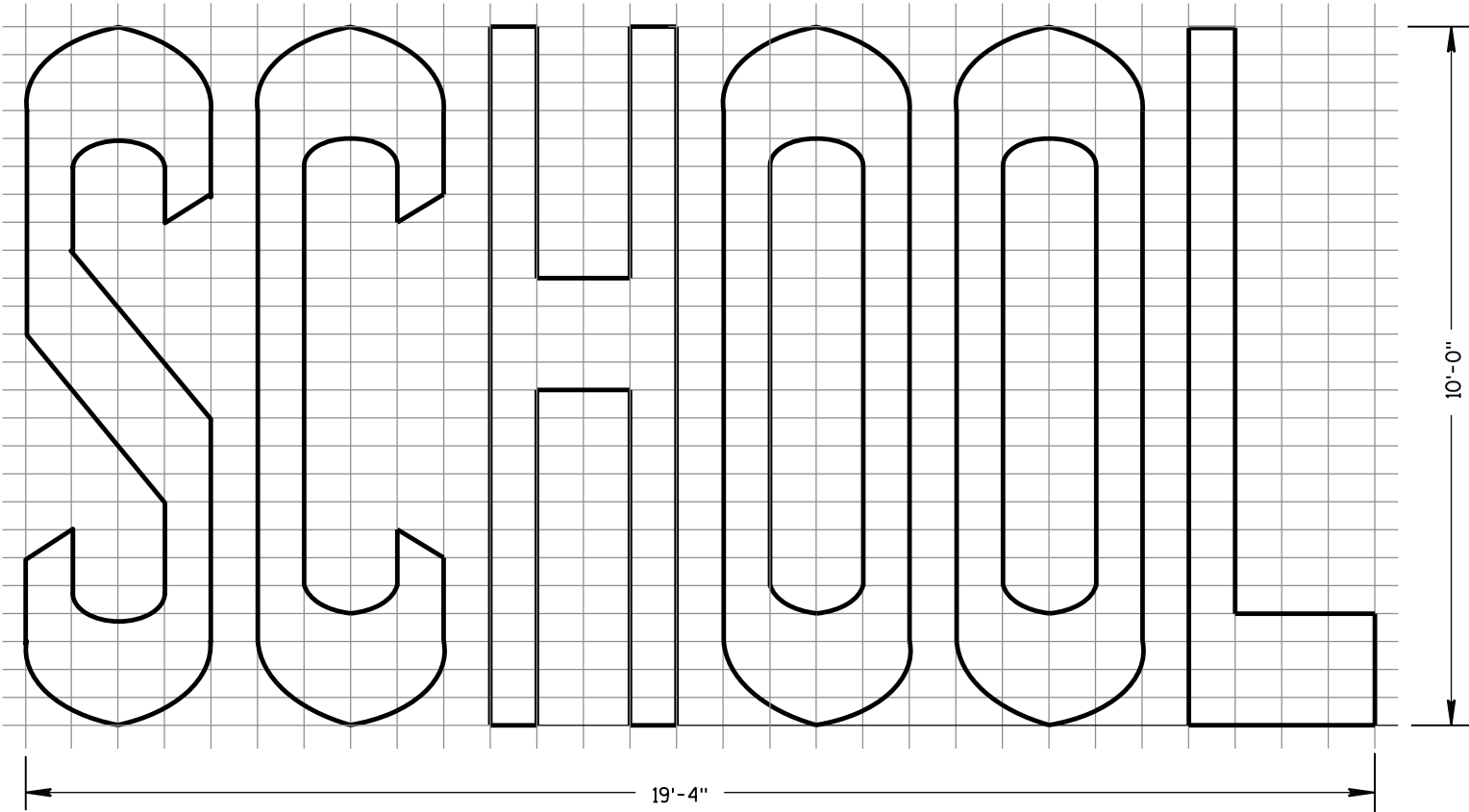
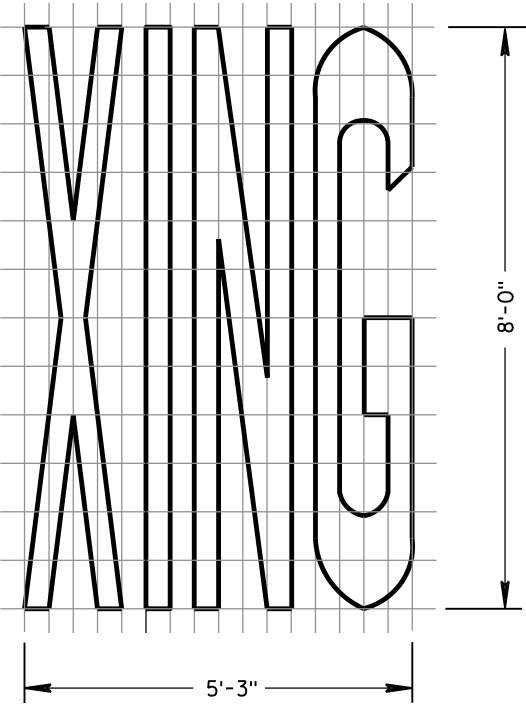
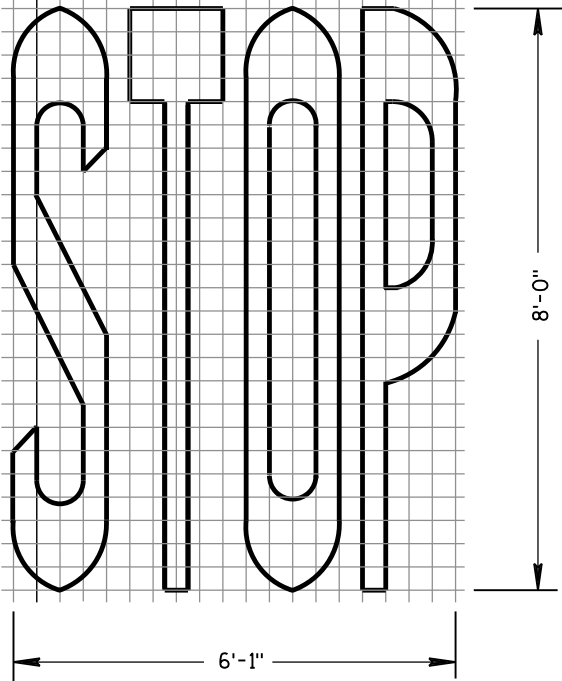
MARKING (PORTAGE & WAUPACA COUNTIES)										
LOCATION		646.1020 LINE EPOXY 4-INCH		646.3020 LINE EPOXY 8-INCH WHITE LF	646.5020 ARROW EPOXY EACH	646.5120 WORD EPOXY EACH	646.6120 STOP LINE EPOXY 18-INCH LF	646.7120 DIAGONAL EPOXY 12-INCH YELLOW LF	646.8220 ISLAND NOSE EPOXY YELLOW EACH	
		YELLOW LF	WHITE LF							
PORTAGE & WAUPACA	LONG LINE & TURN LANE	128,158	253,017	4,906	---	---	---	---	---	MAINLINE
PORTAGE COUNTY	STH 54 & LOCUST DR	---	---	---	1	---	---	30	2	INTERSECTION
PORTAGE COUNTY	STH 54 & MAPE DRIVE ROUNDABOUT	---	---	---	---	---	---	50	1	INTERSECTION
WAUPACA COUNTY	STH 54 400' WEST OF FOXFIRE DRIVE	---	---	---	---	---	---	58	1	MAINLINE
WAUPACA COUNTY	STH 54 ARROWS IN MEDIAN	---	---	---	12	---	---	---	---	MAINLINE
WAUPACA COUNTY	STH 54 & FOXFIRE DR	---	---	---	2	2	---	---	2	TURN LANES PAINT RAMP ISLAND ONLY
WAUPACA COUNTY	STH 54 800' WEST OF INTRSECTION	---	---	---	---	---	---	---	1	MAINLINE TO CTH Q
WAUPACA COUNTY	STH 54 & GAS STATION	---	---	---	1	1	---	---	4	INTERSECTION
WAUPACA COUNTY	STH 54 & CTH QQ	---	---	---	8	6	120	---	2	INTERSECTION
WAUPACA COUNTY	STH 54 / 49 & US 10 SOUTH BOUND ON RAMP	---	---	---	2	2	---	168	2	INTERSECTION
WAUPACA COUNTY	STH 49 & US 10 NORTH BOUND RAMP	---	---	---	3	3	---	80	1	COORDINATE CONSTUCTION PROJECT
WAUPACA COUNTY	STH 49 & DRIVE WAY TO TACO BELL	---	---	---	1	1	---	---	2	INTERSECTION
WAUPACA COUNTY	STH 49 & JOAN LN	---	---	---	1	1	---	---	2	INTERSECTION
		---	---	---	---	---	---	---	---	
	SUBTOTALS:	128,158	253,017							
	TOTALS:	381,175		4,906	31	16	120	386	20	

Standard Detail Drawing List

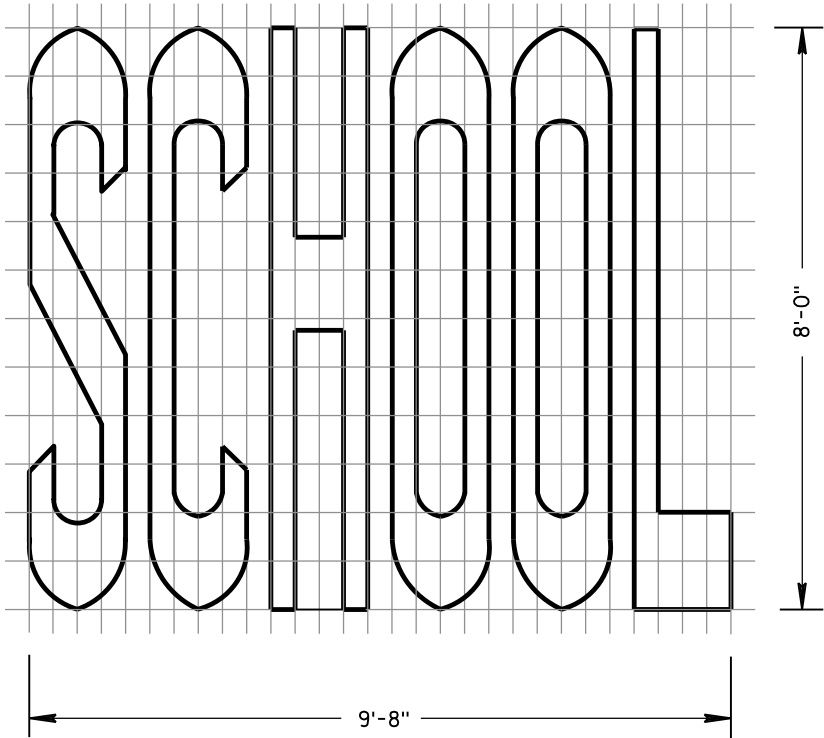
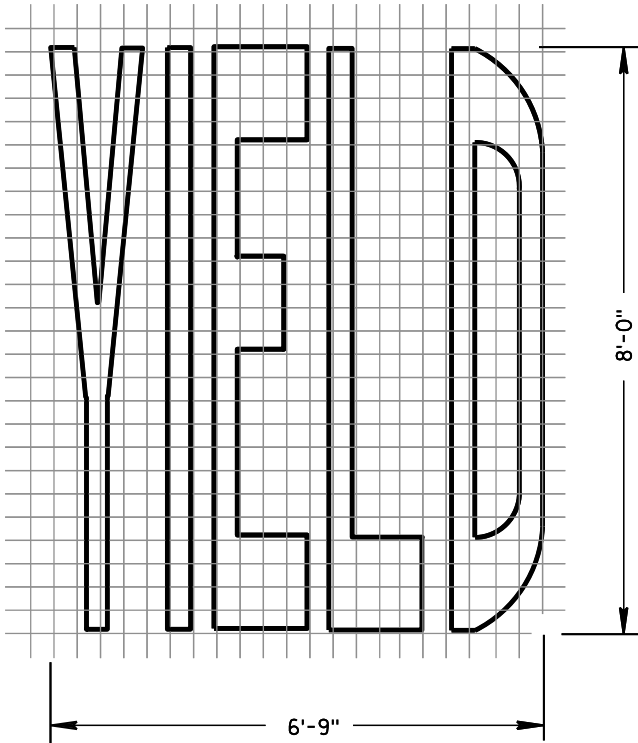
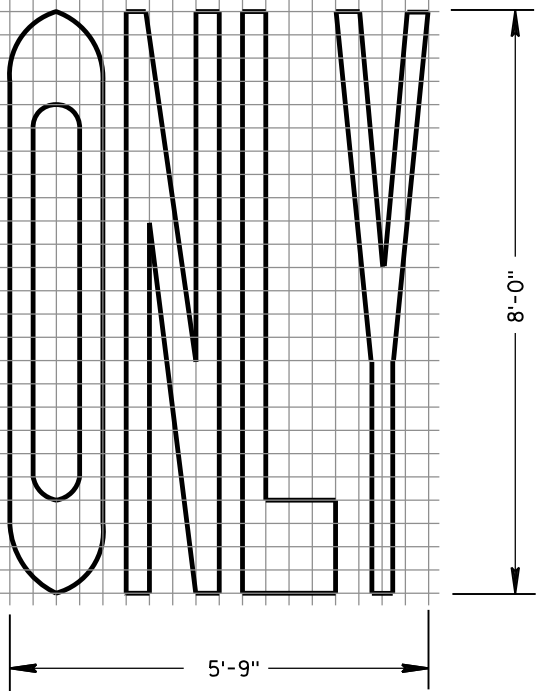
15C07-13B	PAVEMENT MARKING WORDS
15C07-13C	PAVEMENT MARKING ARROWS
15C08-17A	LONGI TUDI NAL MARKI NG (MAINLINE)
15C08-17B	PAVEMENT MARKING (TURN LANES)
15C08-17C	PAVEMENT MARKING (ISLANDS)
15C19-04A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-04B	MOVING PAVEMENT MARKING OPERATION MULTI -LANE UNDIVIDED ROADWAY
15C19-04C	MOVING PAVEMENT MARKING OPERATION MULTI -LANE DIVIDED ROADWAY
15C31-02A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-02B	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-01A	PAVEMENT MARKING (INTERSECTIONS)
15C35-01B	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15C35-01C	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)

GENERAL NOTES

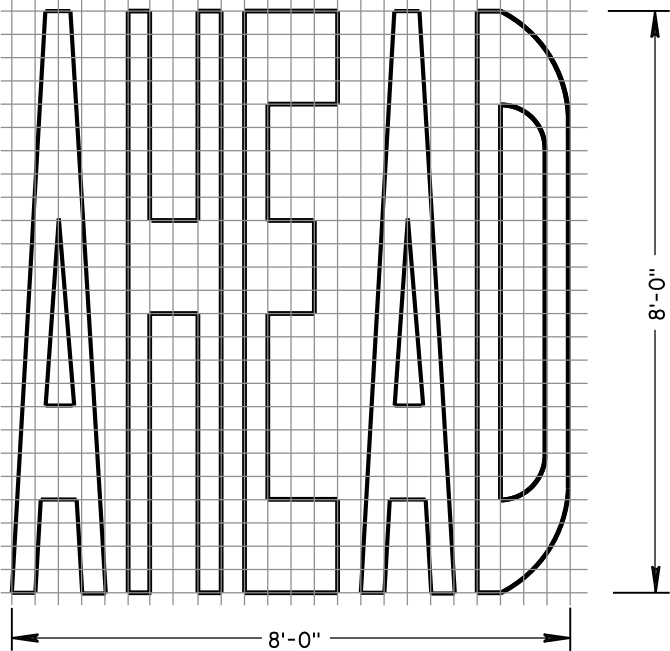
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TWO-LANE



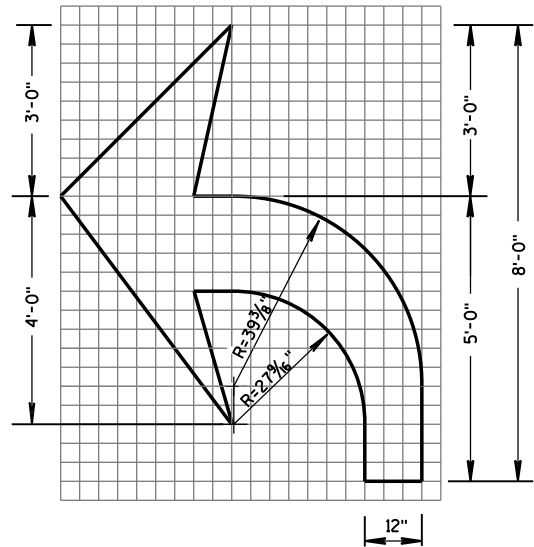
SINGLE-LANE



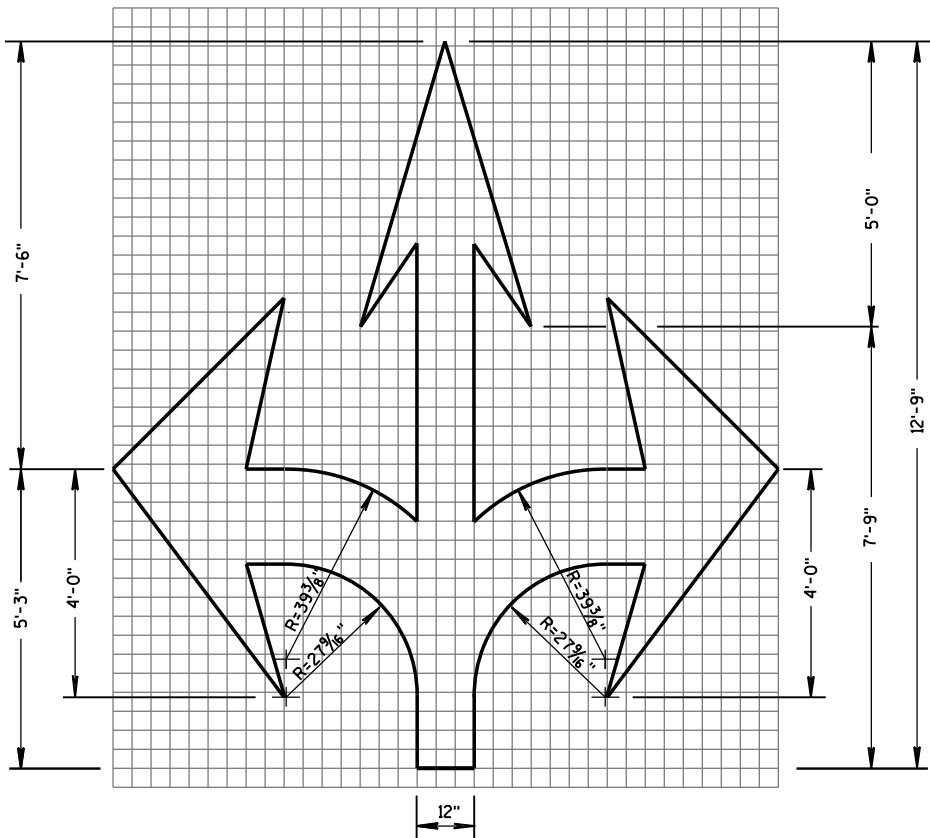
PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

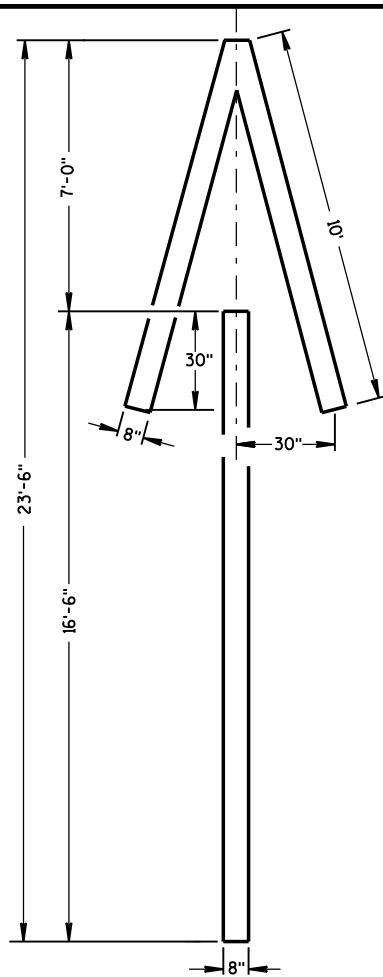
APPROVED
4-18-16 DATE /S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER
FHWA



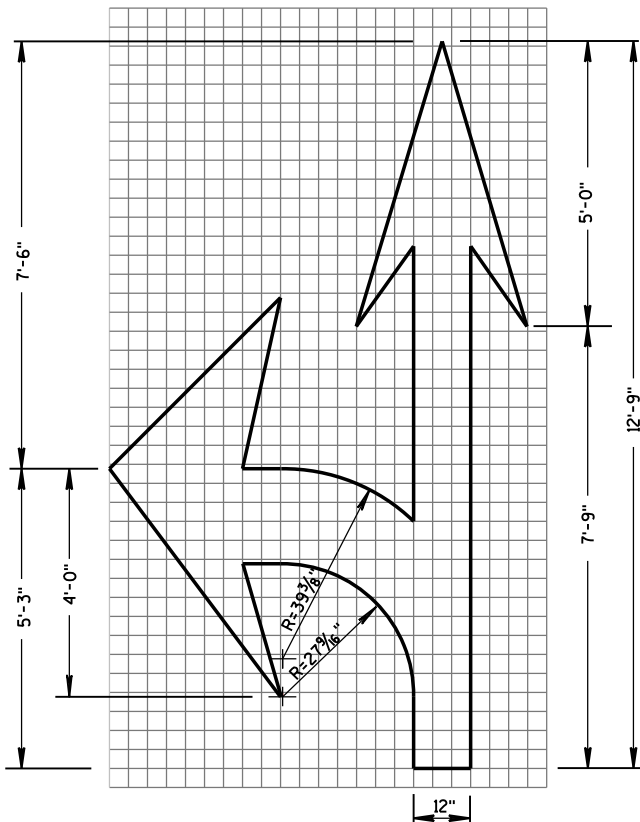
TYPE 2



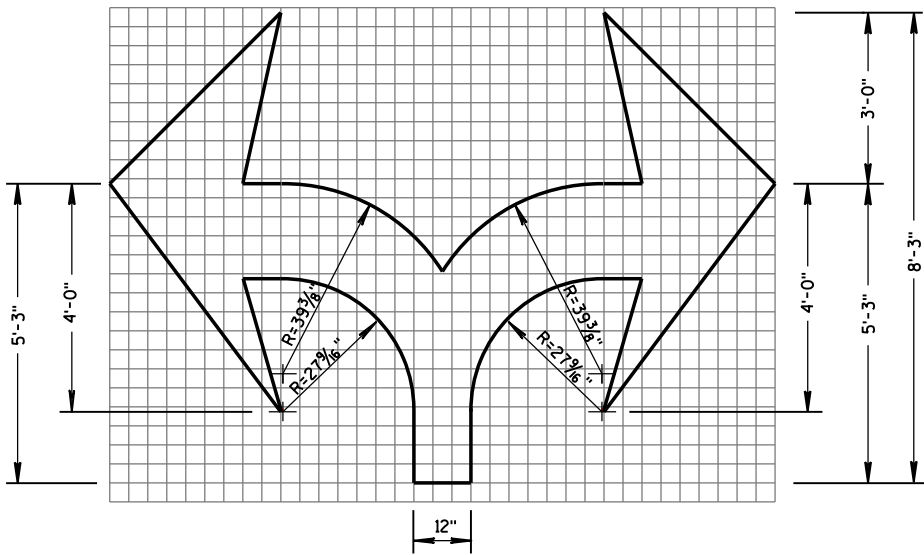
TYPE 6



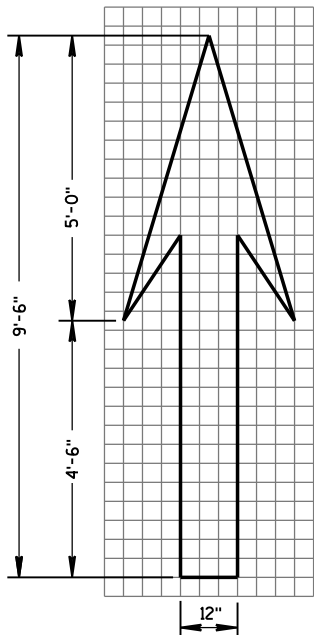
TYPE 4



TYPE 3



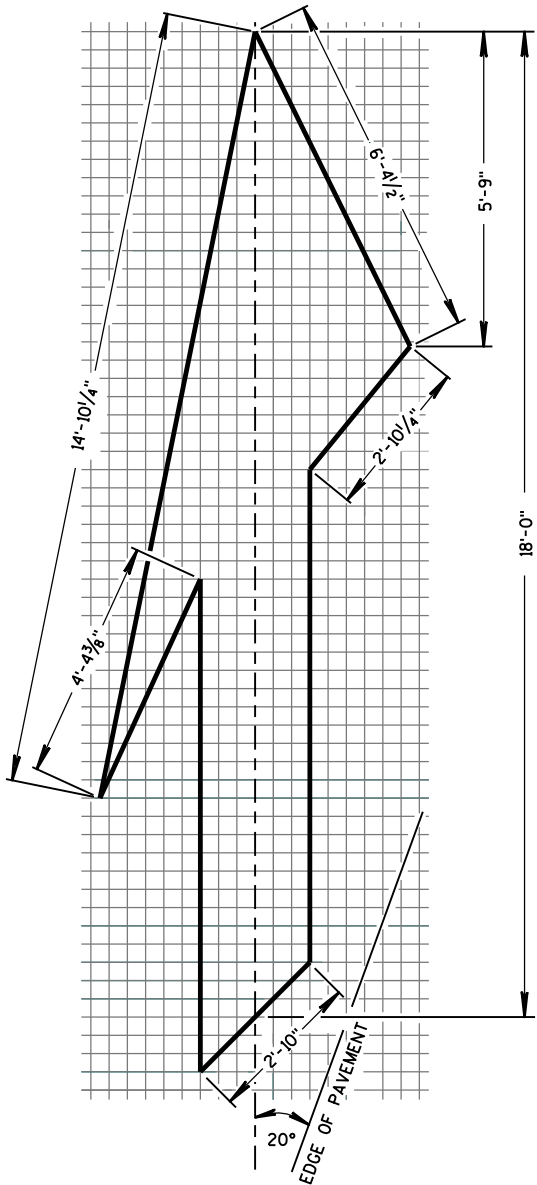
TYPE 7



TYPE 1

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.

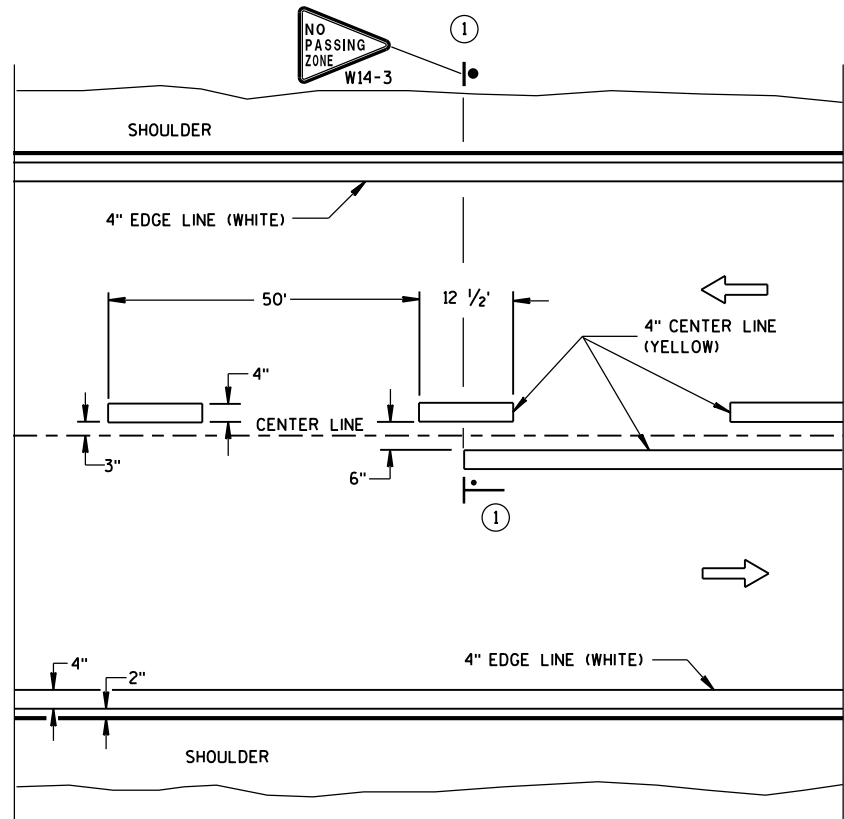


TYPE 5 LANE DROP ARROW

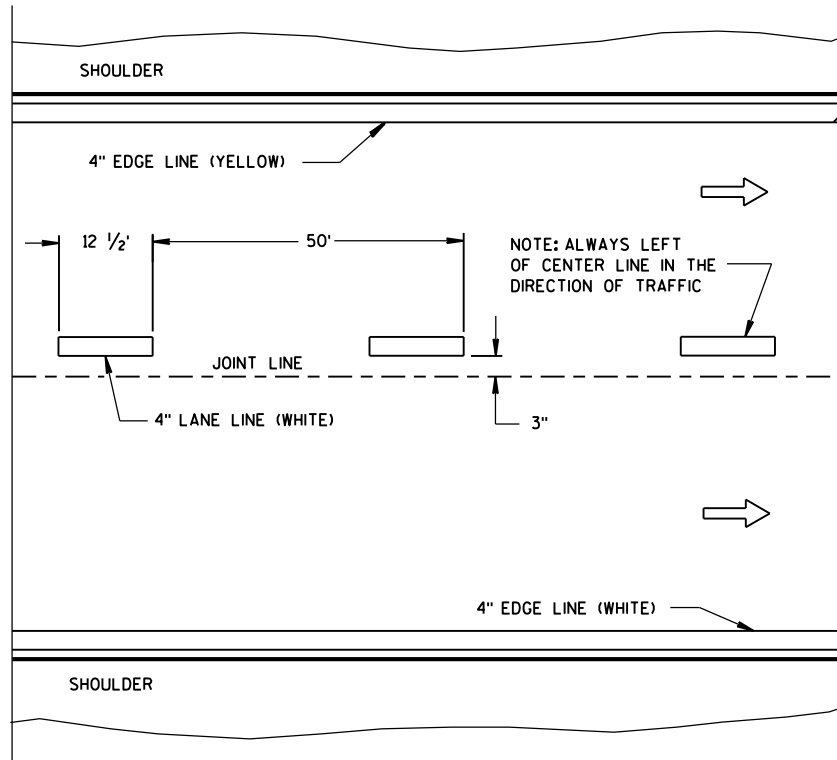
PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-18-16 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA

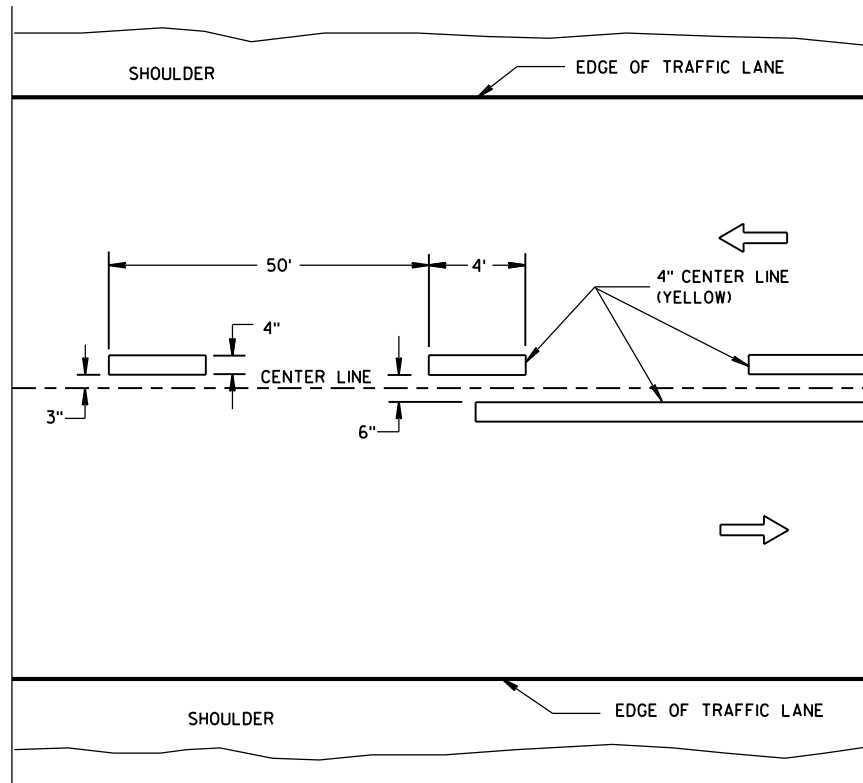


TWO WAY TRAFFIC

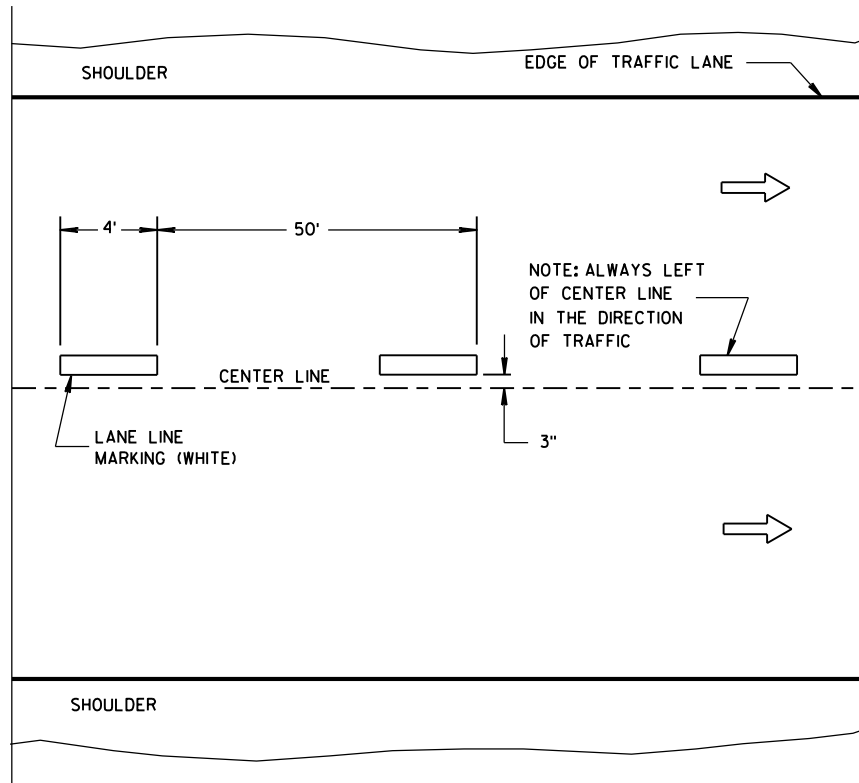


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

① NO PASSING ZONE W14-3 SIGN SHALL BE LOCATED WITHIN 50 FEET OF THE "T" MARKING.

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

LEGEND

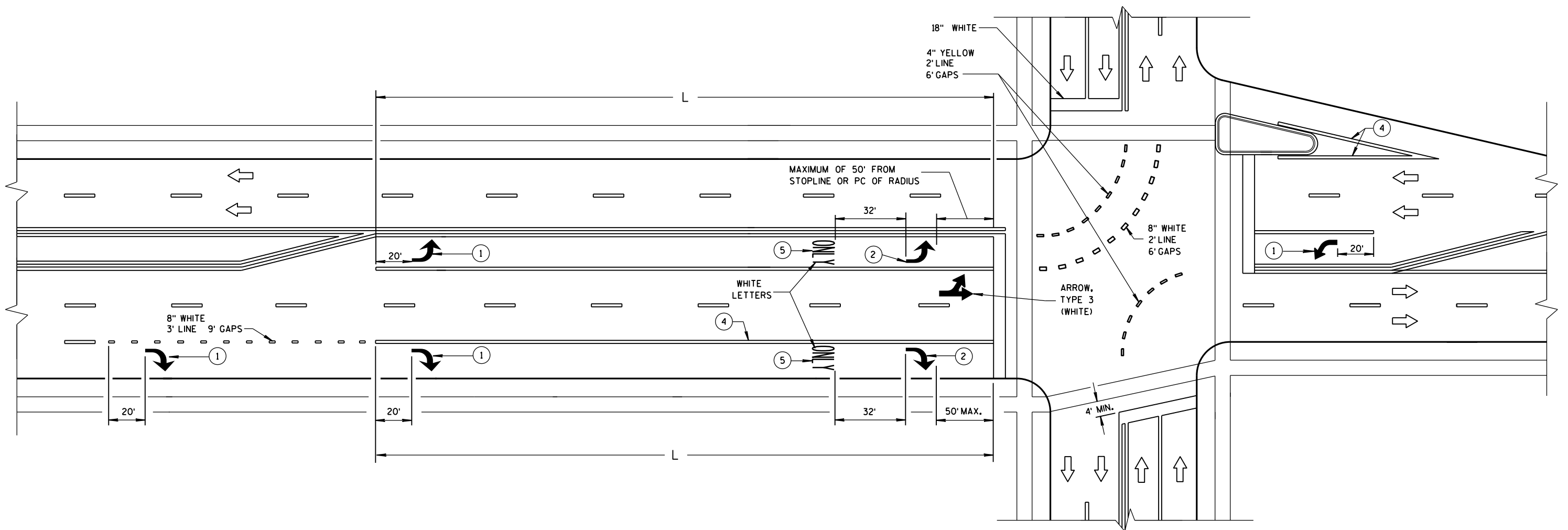
—●— "T" MARKING

● POST MOUNTED SIGN

LONGITUDINAL MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 /S/ Matthew R. Rauch
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FHWA



GENERAL NOTES

- ① REQUIRED ARROW, TYPE 2 (WHITE).
- ② REQUIRED ARROW, TYPE 2 (WHITE) WHEN L IS GREATER THAN 78 FEET AND LESS THAN OR EQUAL TO 166 FEET.
- ③ A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- ④ 8" WHITE
- ⑤ REQUIRED WORD ONLY WHEN L IS GREATER THAN 166 FEET.

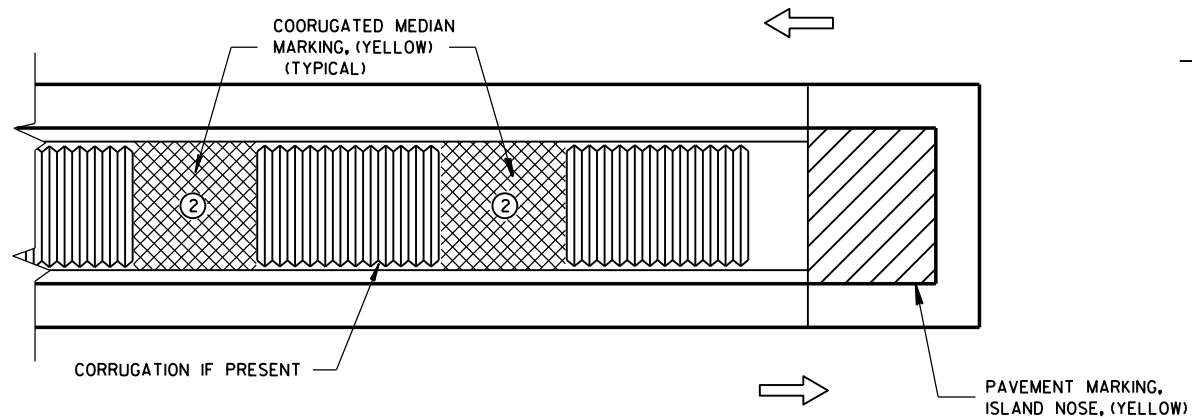
TWO WAY LEFT TURN LANE

NOTE:
ARROW SYMBOL (→)
SHOWS DIRECTION OF TRAVEL

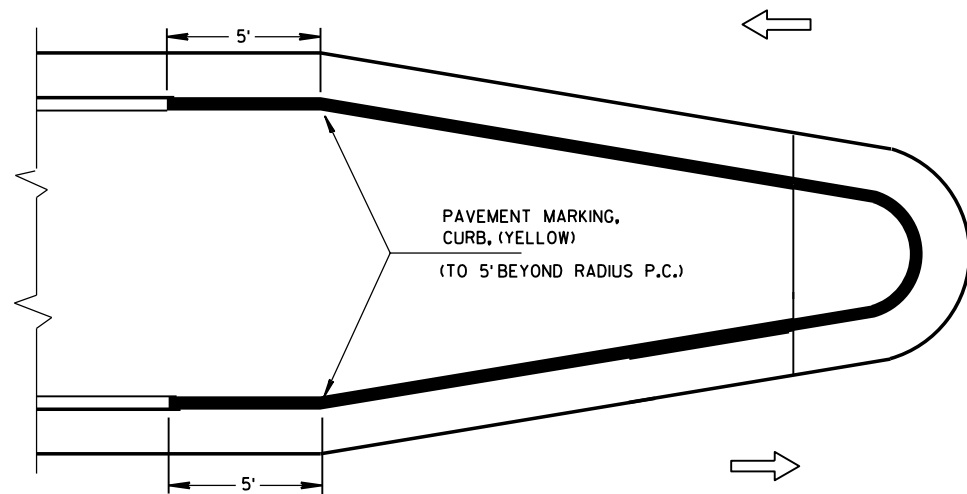
L = LENGTH OF TURN BAY

PAVEMENT MARKING
(TURN LANES)

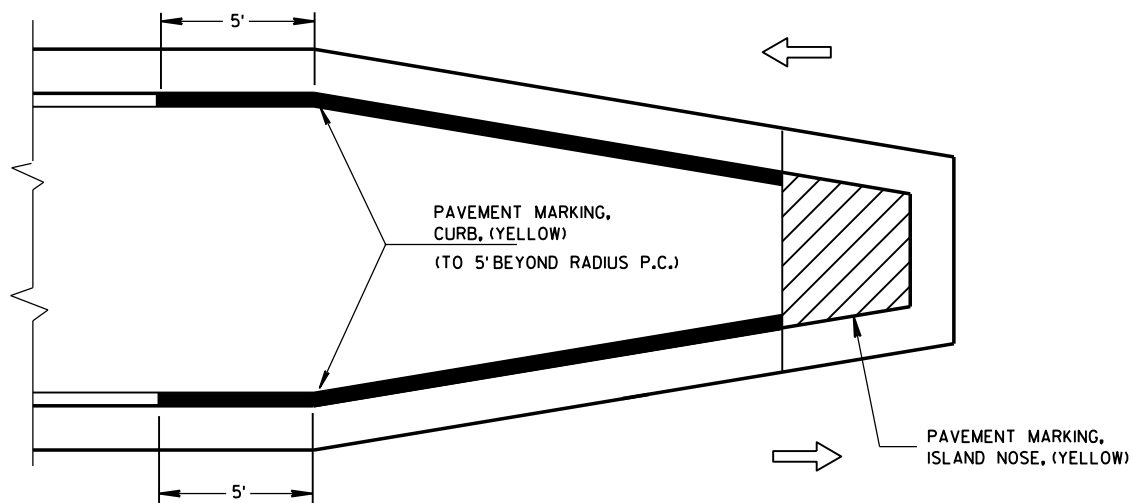
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

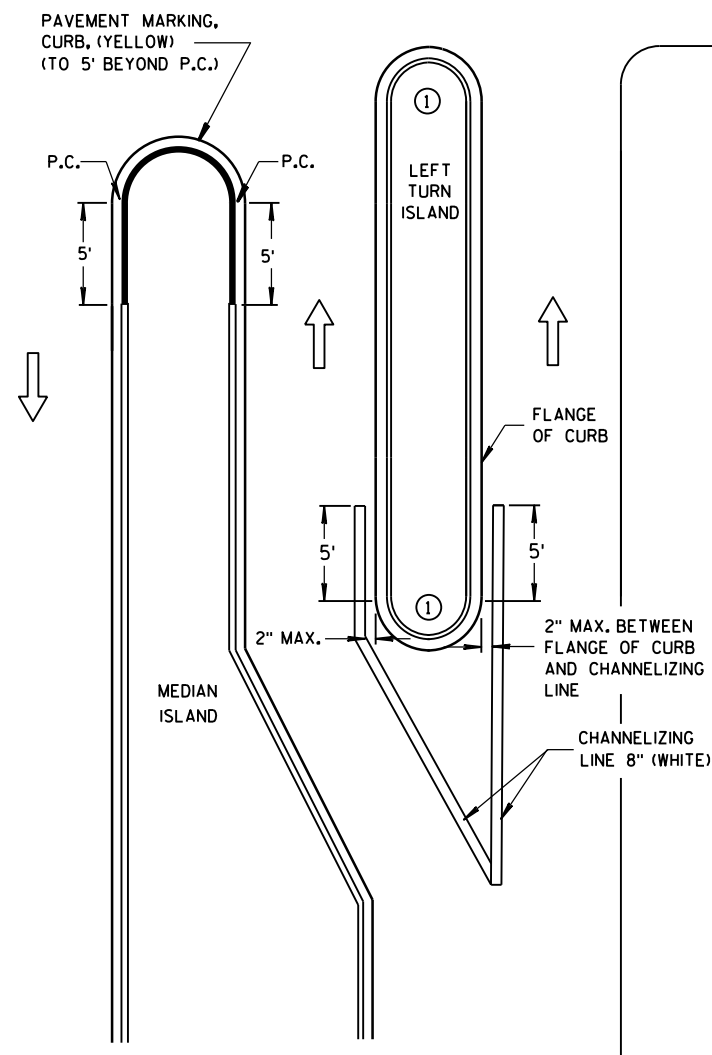


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

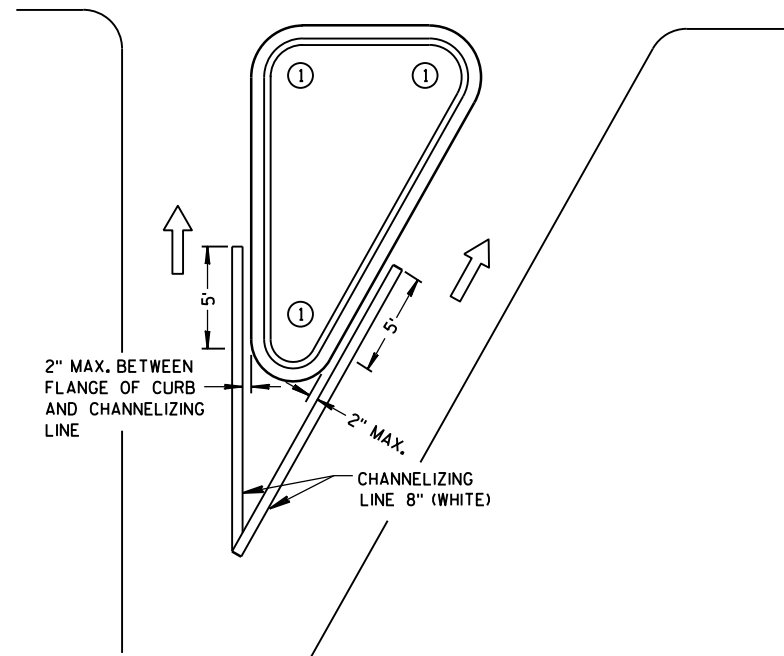
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

- 1 DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
- 2 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 AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



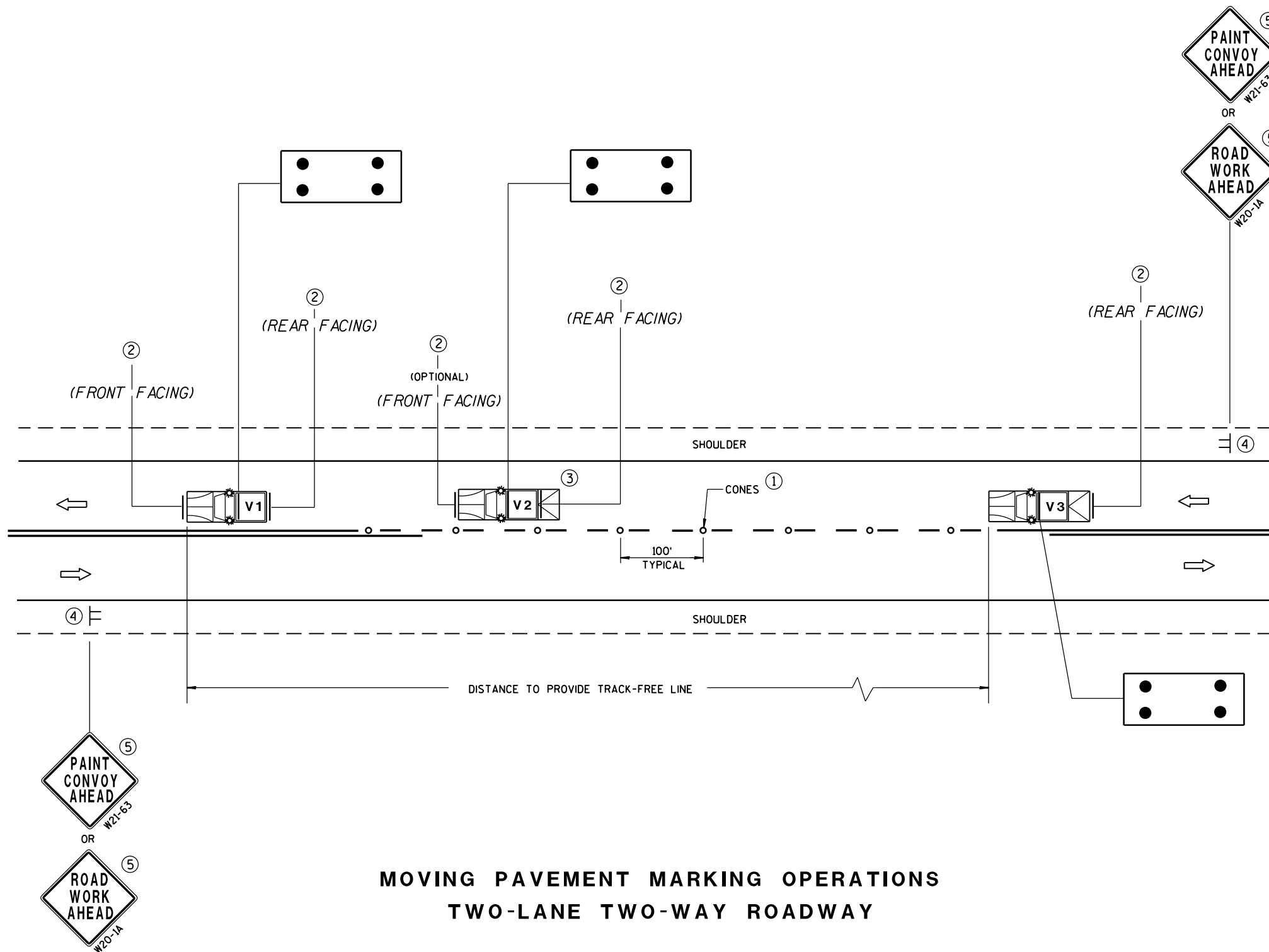
RIGHT TURN ISLAND

LEGEND

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

PAVEMENT MARKING (ISLANDS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



MOVING PAVEMENT MARKING OPERATIONS TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

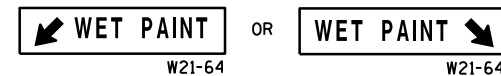
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.



③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.

④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

V1 LEAD VEHICLE

V2 SHADOW VEHICLE

V3 TRAIL VEHICLE WITH TMA

TMA TRUCK-MOUNTED ATTENUATOR

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

CONES

FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING
OPERATION
TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016
DATE
FHWA

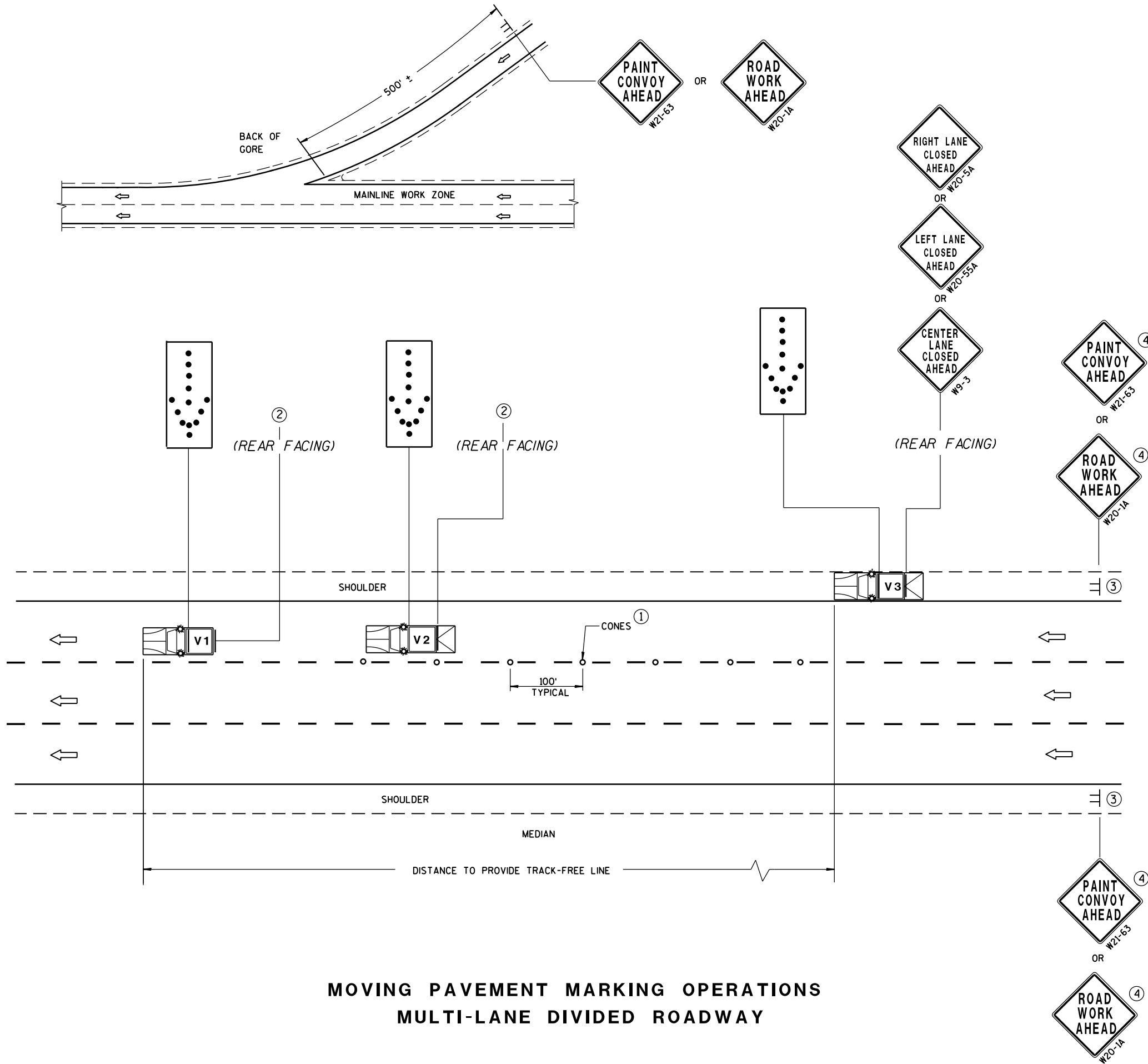
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER



THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE OR LANELINE MARKING FOR MULTILANE UNDIVIDED ROADWAYS.

- FLASHING ARROW PANEL (MERGE)

APPROVED	
June 2016	/S/ Peter Amakobe Atepe
DATE	STATEWIDE WORK ZONE TRAFFIC
FHWA	SAFETY ENGINEER



MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE DIVIDED ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

FOR EDGELINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH. USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

THIS DRAWING SHALL BE USED FOR EDGELINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

- ① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- ② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.
- ③ SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.
- ④ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

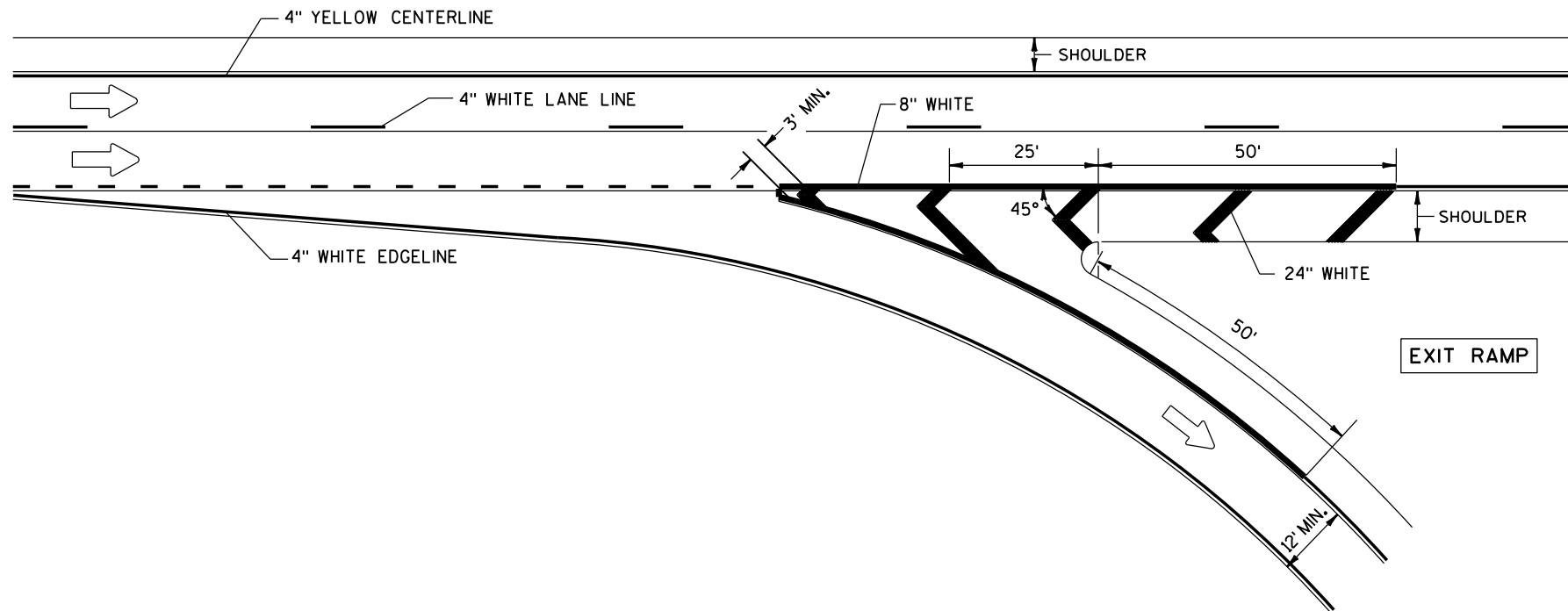
LEGEND

- V1 LEAD VEHICLE
- V2 SHADOW VEHICLE
- V3 TRAIL VEHICLE WITH TMA
- TMA TRUCK-MOUNTED ATTENUATOR
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- CONES
- FLASHING ARROW PANEL (MERGE)

MOVING PAVEMENT MARKING
OPERATION
MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 /S/ Peter Amakobe Atepe
DATE STATEWIDE WORK ZONE TRAFFIC
FHWA SAFETY ENGINEER



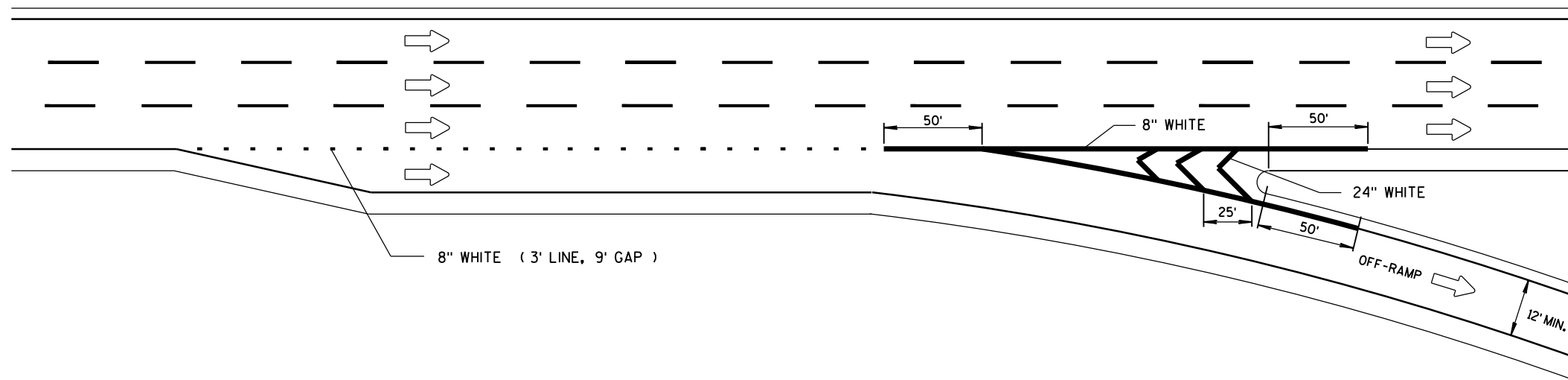
PAVEMENT MARKING FOR EXIT RAMP

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

→ DIRECTION OF TRAVEL



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

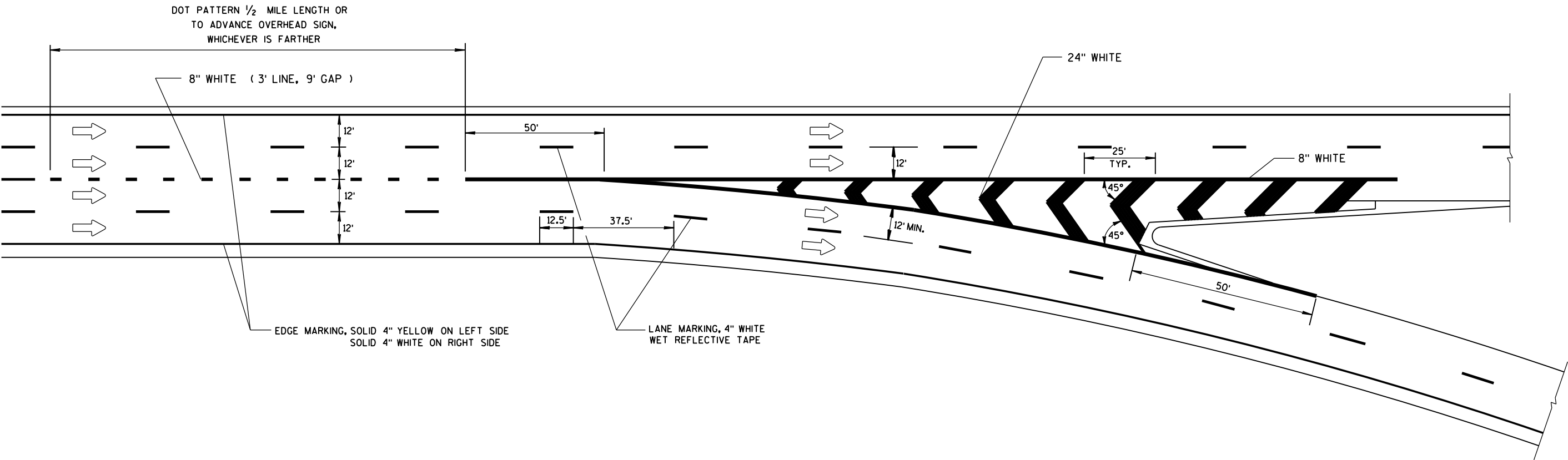
PAVEMENT MARKING
(RAMPS AND GOES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

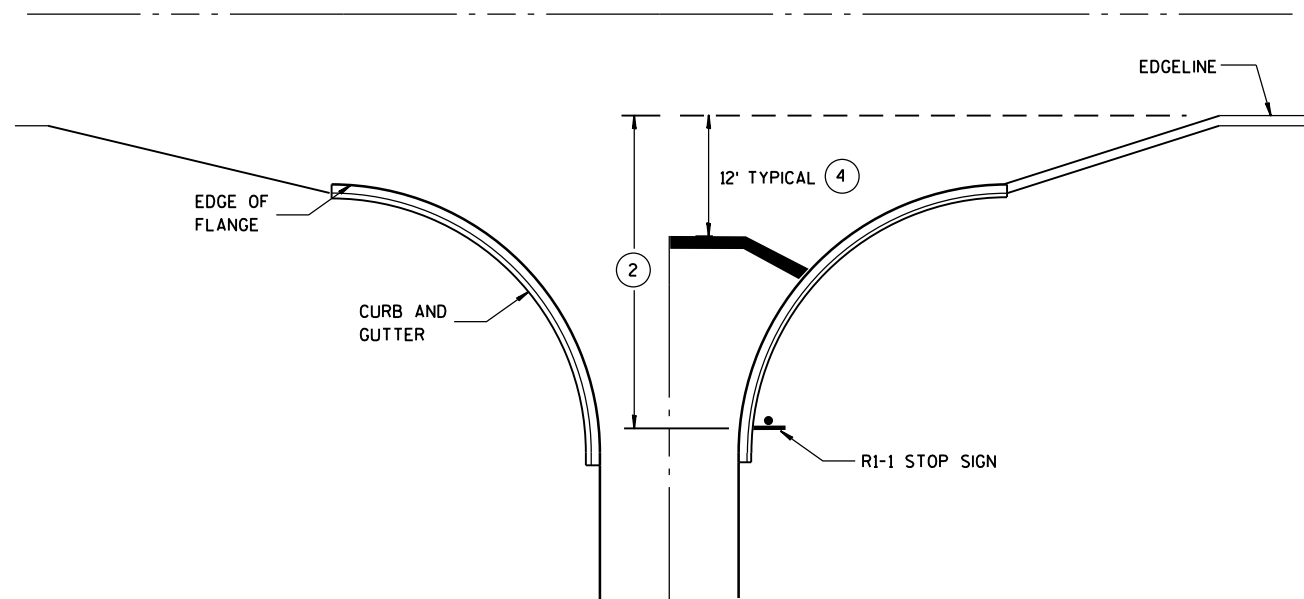
PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

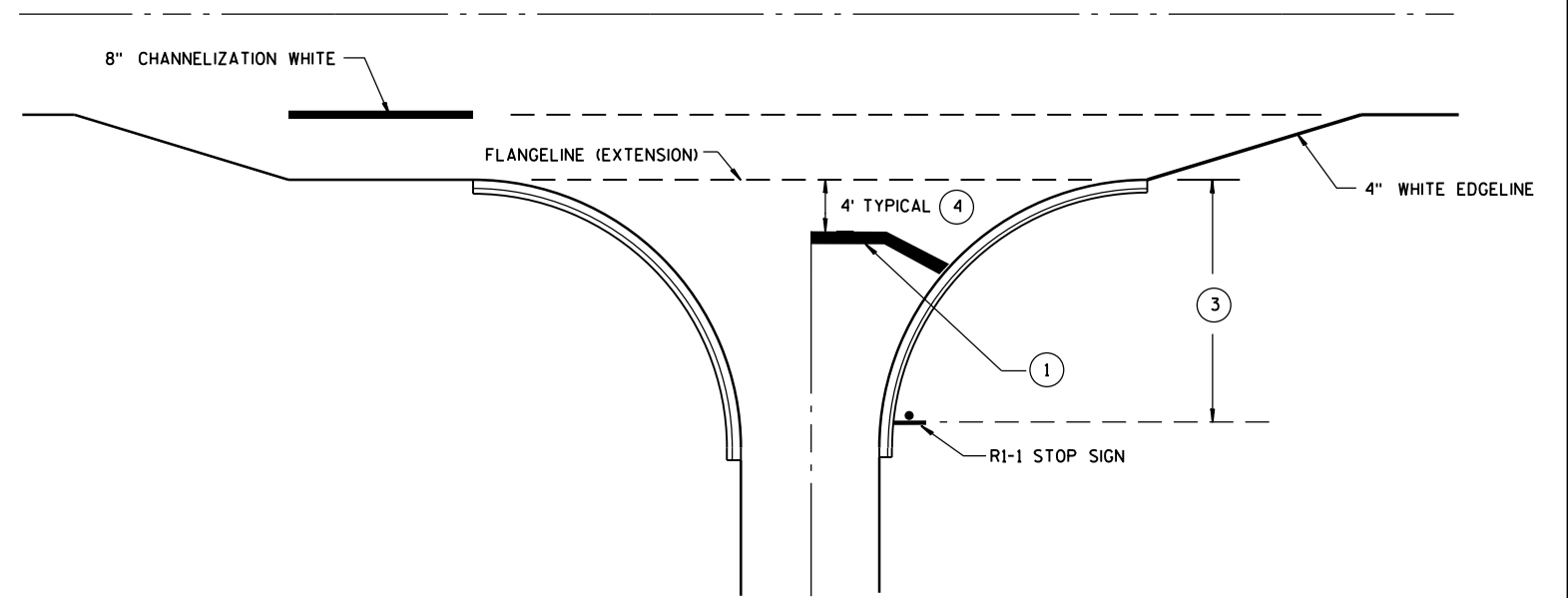


PAVEMENT MARKING
MAJOR SPLIT
FREEWAY TO FREEWAY

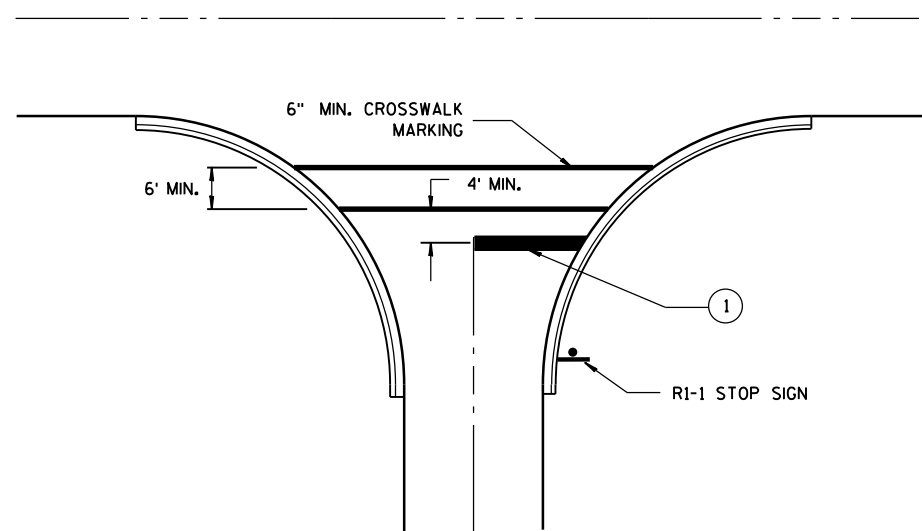
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



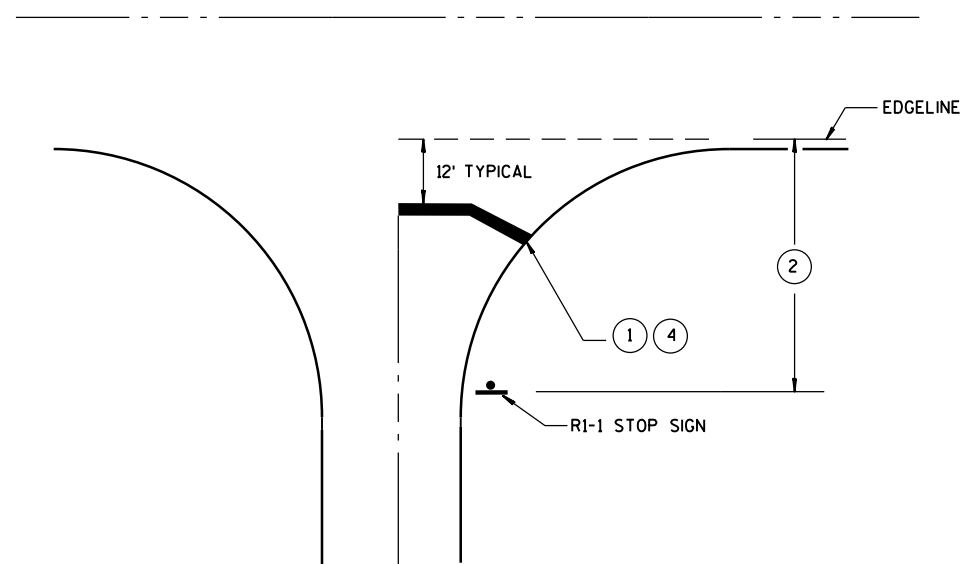
**TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER**



**TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH RIGHT TURN LANE**



**TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH CROSSWALK MARKING**



**TYPICAL STOP LINE PAVEMENT MARKING
WITHOUT CURB AND GUTTER**

GENERAL NOTES

- ① 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- ② IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGE LINE THAN NO STOP LINE IS REQUIRED.
- ③ IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- ④ MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

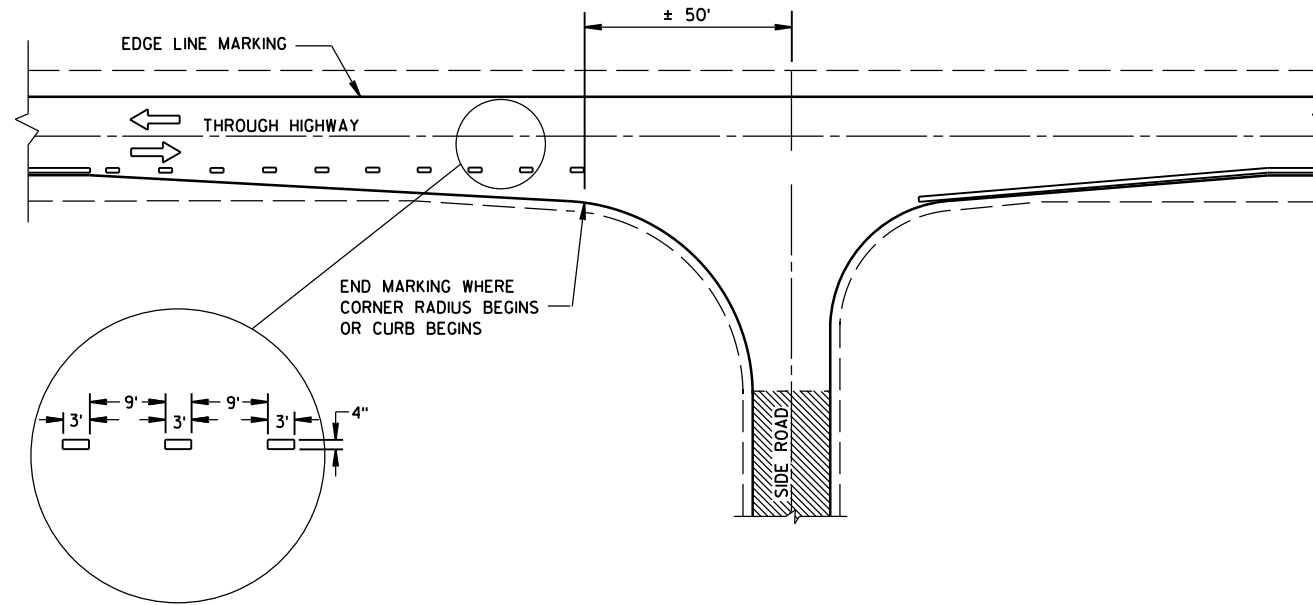
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-18-2016
DATE

FHWA

/S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER




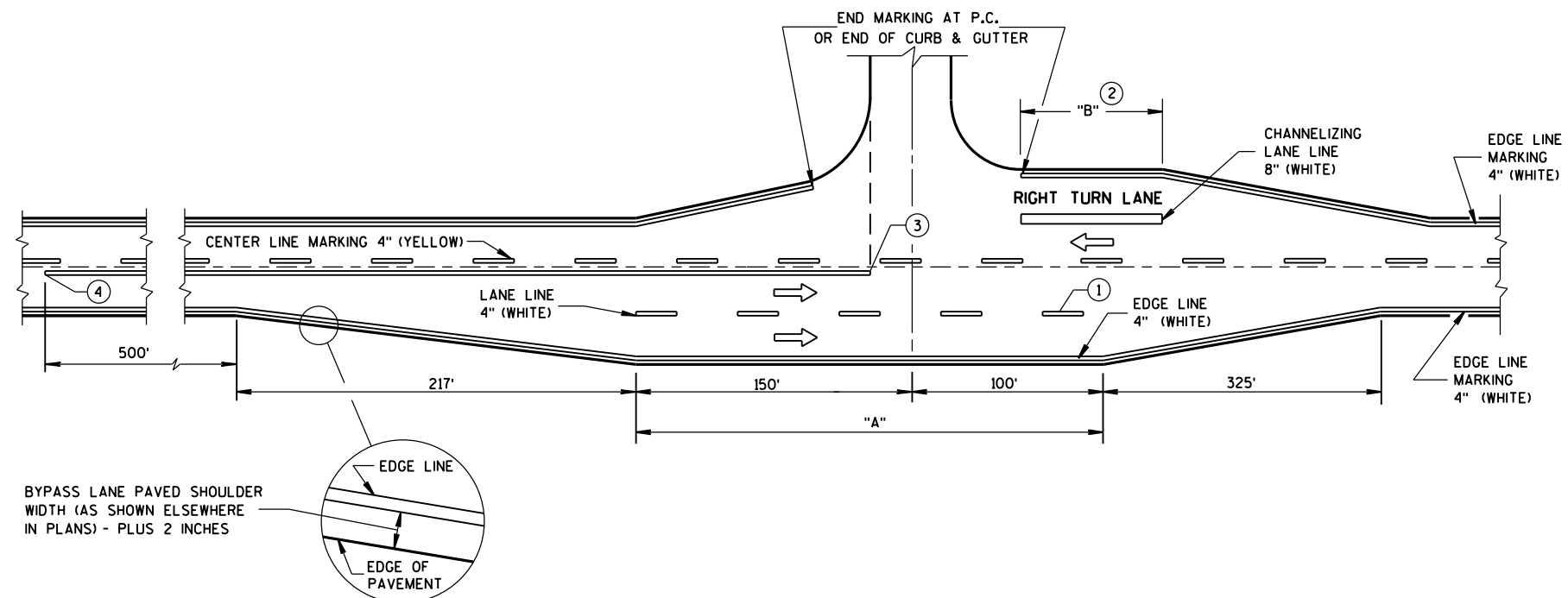
MINOR INTERSECTION WITHOUT CURBS

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 BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
- ④ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

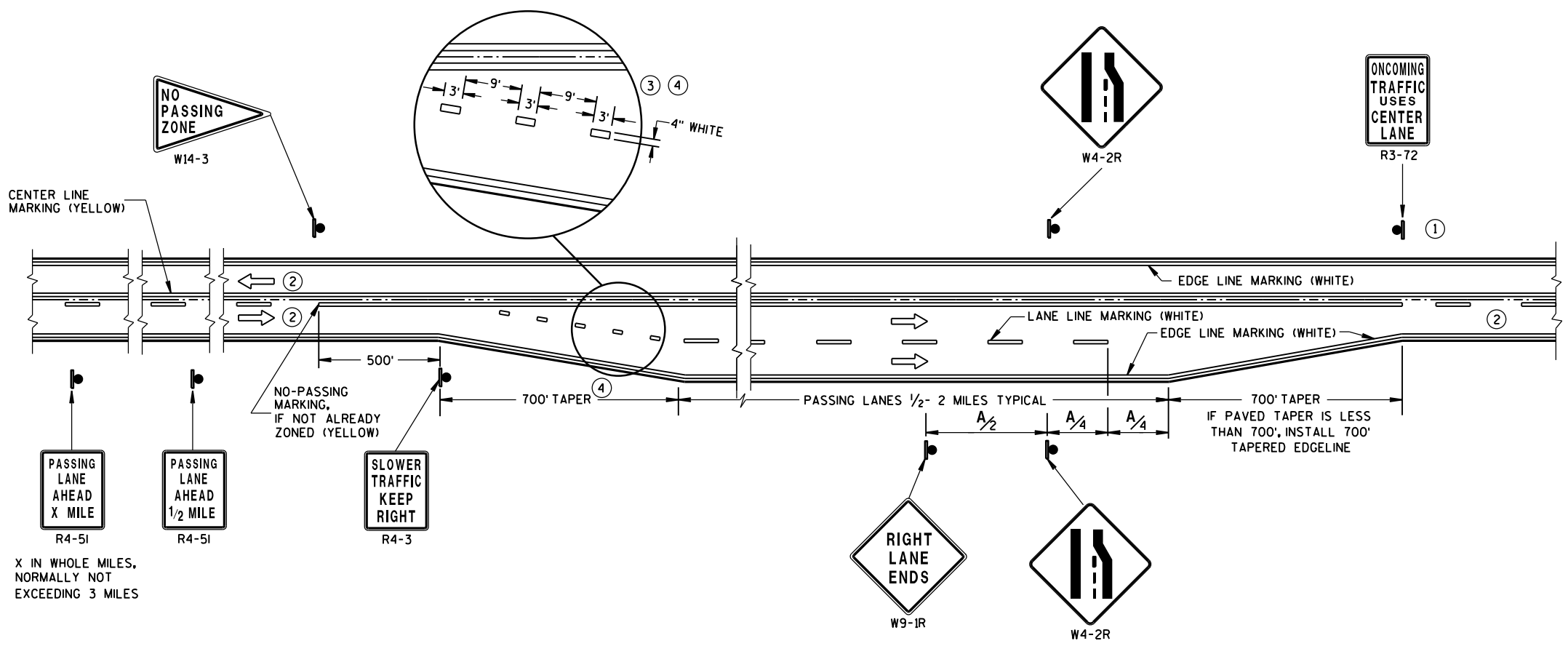
ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL



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

**PAVEMENT MARKING
(INTERSECTIONS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



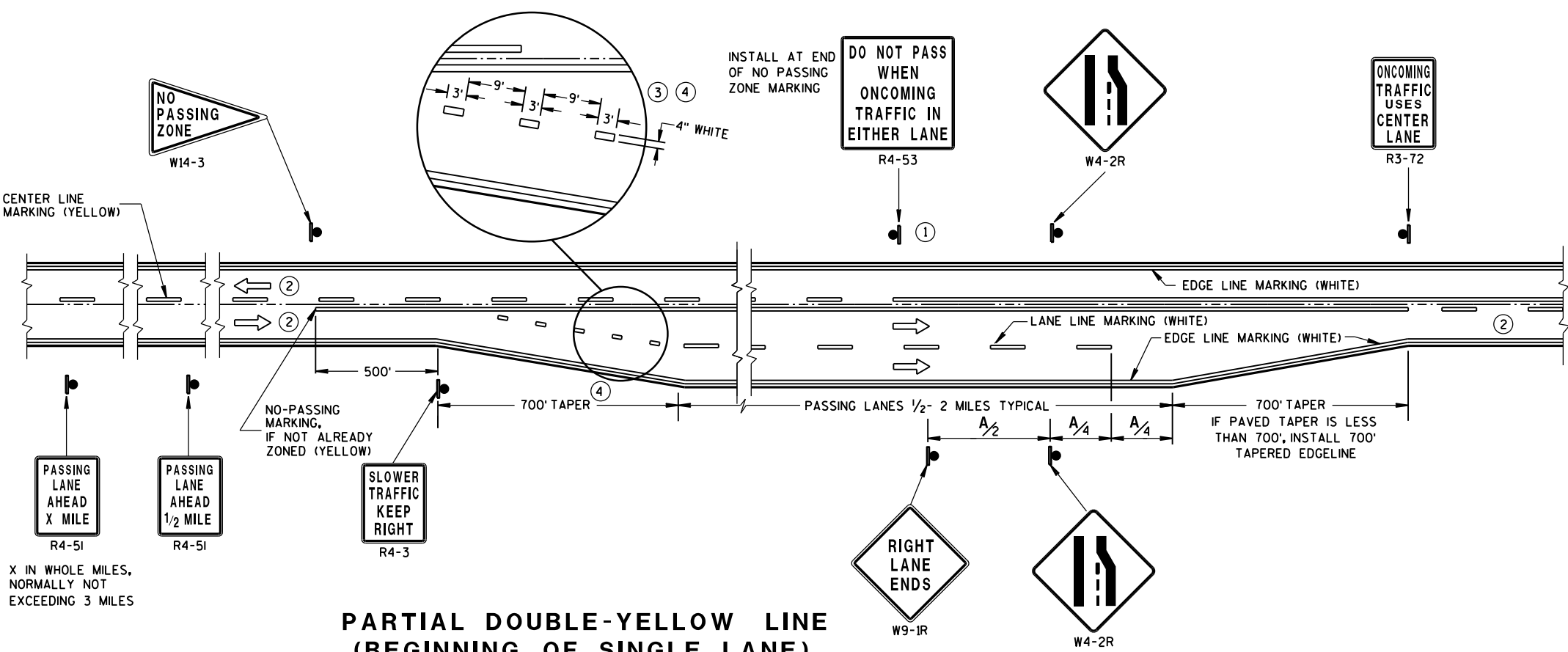
**SOLID DOUBLE-YELLOW LINE
(THROUGHOUT ENTIRE PASSING/CLIMBING LANE)**

GENERAL NOTES

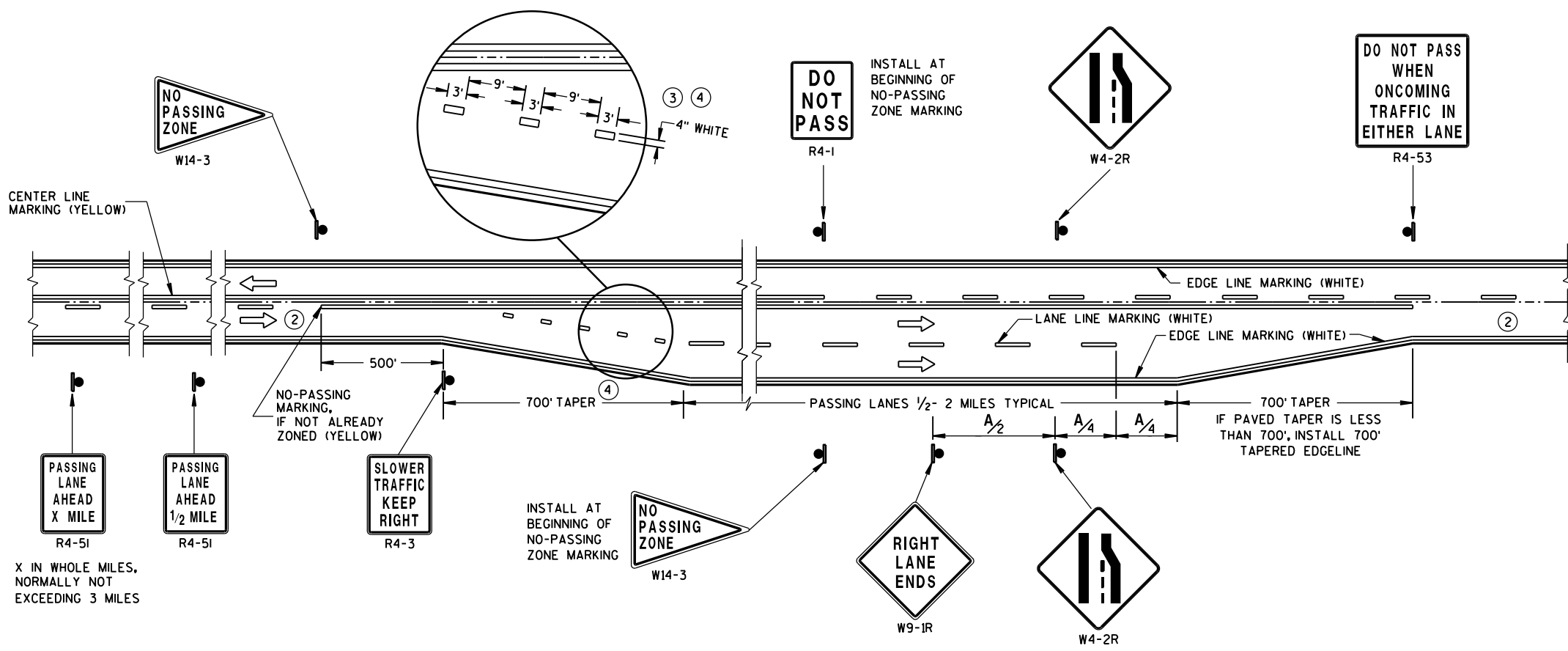
- ① SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- ② THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- ③ THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ④ WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING/CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE	
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950



**PARTIAL DOUBLE-YELLOW LINE
(BEGINNING OF SINGLE LANE)**



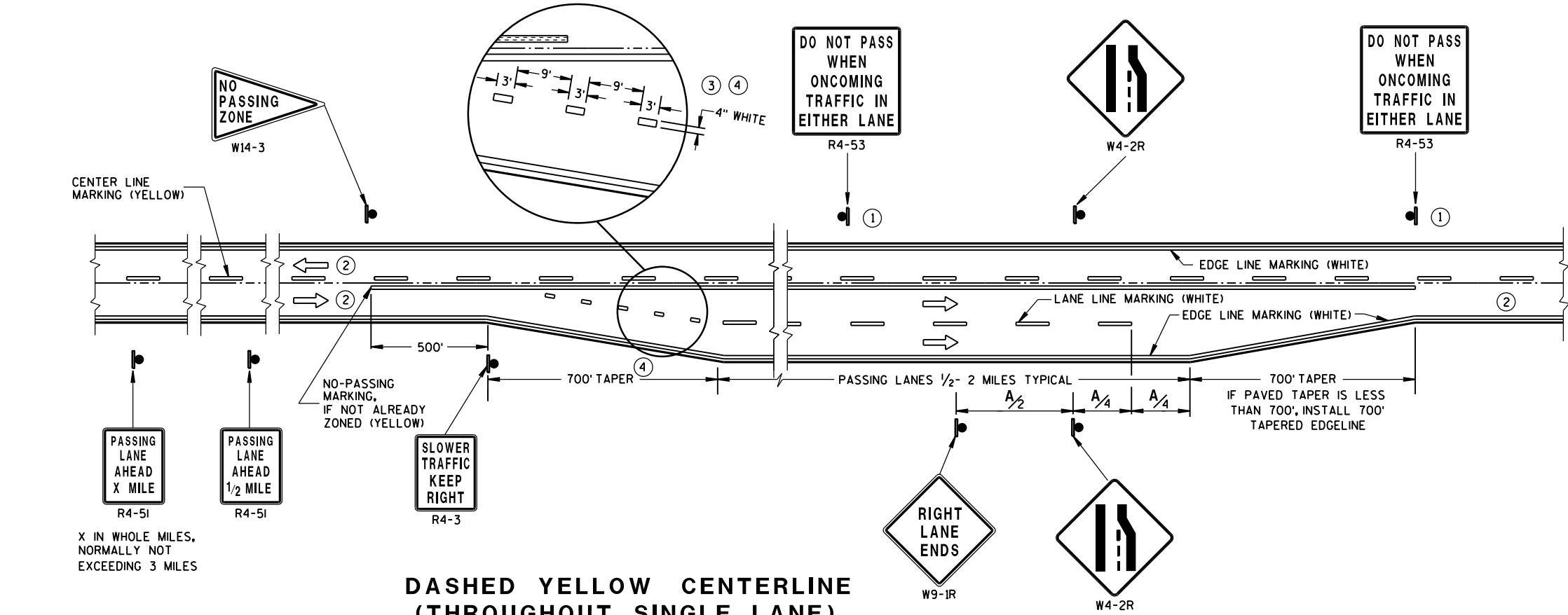
**SOLID DOUBLE-YELLOW LINE
(END OF SINGLE LANE)**

GENERAL NOTES

- ① SIGN SHALL BE REPEATED AT ONE MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- ② THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- ③ THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ④ WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING/CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE	
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950



**DASHED YELLOW CENTERLINE
(THROUGHOUT SINGLE LANE)**

**PAVEMENT MARKING & SIGNING
(CLIMBING LANE & PASSING LANE)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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