

EAU
PROJECT ID: 1000-18-13
WITH:
COUNTY: N.W.REGION

MAY 2018
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 Plan~~
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 = 86



DESIGN DESIGNATION

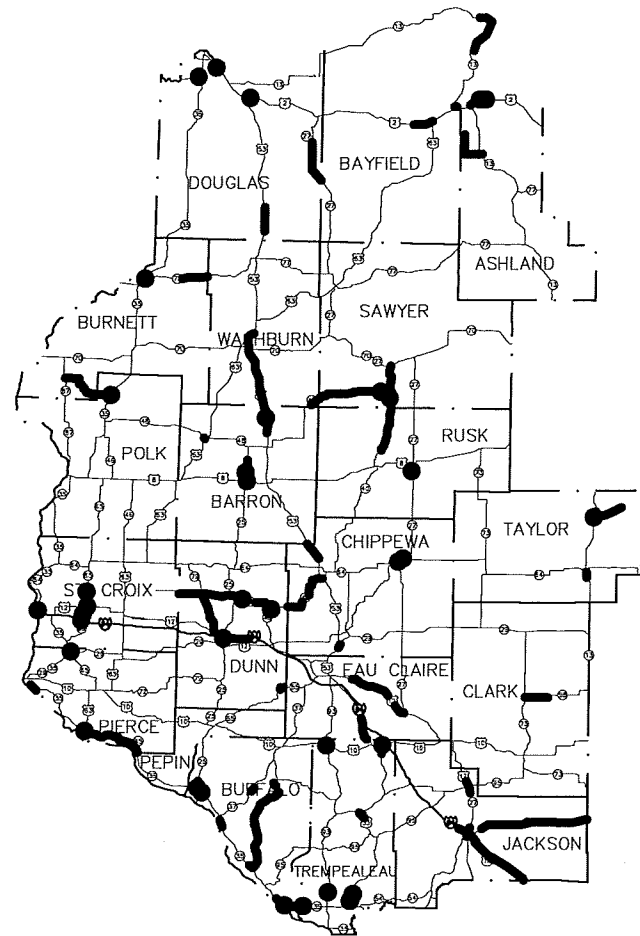
A.A.D.T. = N/A
A.A.D.T. = N/A
D.H.V. = N/A
D.D. = N/A
T. = N/A
DESIGN SPEED = N/A
ESALS = N/A

CONVENTIONAL SYMBOLS

PLAN
CORPORATE LIMITS
REFERENCE LINE
COMBUSTIBLE FLUIDS
UTILITIES
ELECTRIC
FIBER OPTIC
GAS
SANITARY SEWER
STORM SEWER
TELEPHONE
WATER
UTILITY PEDESTAL
POWER POLE
TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
NW REGION, PAVEMENT MARKING 2018
VARIOUS HIGHWAYS
NW REGION WIDE

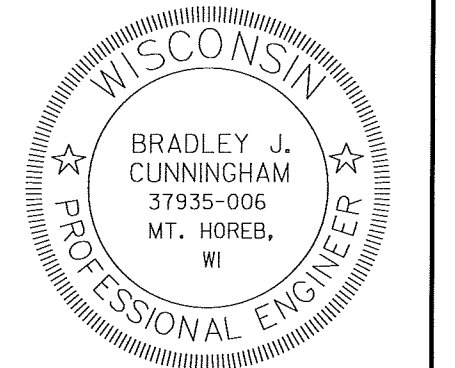
STATE PROJECT NUMBER
1000-18-13



LAYOUT
SCALE 0 20.0 40.0 MI.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1000-18-13		

ORIGINAL PLANS PREPARED BY
KL Engineering
(A) Better Experience



01-11-18
(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
Surveyor N/A
Designer KL ENGINEERING/WISDOT
Project Manager MOHAMAD HAYEK
Regional Examiner JENNIFER OLDENBURG
Regional Supervisor TIM MASON

APPROVED FOR THE DEPARTMENT
DATE: 1/11/18 (Signature)

E

NORTHWEST REGION TRAFFIC CONTACT

CHLOE ANDERSON
WISCONSIN DEPARTMENT OF TRANSPORTATION
5009 USH 53 SOUTH
EAU CLAIRE, WI 54701
PHONE (715) 855-7672
CELL (715) 577-4493

STACEY RUSCH
WISCONSIN DEPARTMENT OF TRANSPORTATION
718 W. CLAIREMONT AVE
EAU CLAIRE, WI 54701
PHONE (715) 836-3919

SGT. BRIAN ERICKSON - SPEED ENFORCEMENT BARS
TREMPEALEAU COUNTY
5005 USH 53 SOUTH
EAU CLAIRE, WI 54701
PHONE (715) 839-3800
CELL (715) 577-7139

MASTER TROOPER TROY STAGE - SPEED ENFORCEMENT BARS
DOUGLAS COUNTY
PHONE (218) 393-6770

NORTHWEST REGION DNR CONTACTS

(CHIPPEWA, CLARK, EAU CLAIRE, JACKSON, RUSK)
CHRIS WILLGER
DNR WEST CENTRAL REGION HQ
1300 WEST CLAIREMONT AVENUE
EAU CLAIRE, WI 54701
(715) 839-1609

(ASHLAND, BAYFIELD, SAWYER, WASHBURN)
SHAWN HASELEU
DNR NORTHERN REGION HQ
810 WEST MAPLE STREET
SPOONER, WI 54801
(715) 635-4228

(BUFFALO, DUNN, PEPIN, PIERCE, ST. CROIX, TREMPEALEAU)
AMY LESIK
DNR WEST CENTRAL REGION HQ
1300 WEST CLAIREMONT AVENUE
EAU CLAIRE, WI 54701
(608) 836-6571

(BARRON, BURNETT, DOUGLAS, POLK)
AMY CRONK
DNR NORTHERN REGION HQ
810 WEST MAPLE STREET
SPOONER, WI 54801
(715) 635-4229

(PRICE, TAYLOR)
WENDY HENNIGES
DNR NORTHERN REGION HQ
107 SUTLIFF
RHINELANDER, WI 54501
(715) 365-8916

GENERAL NOTES

- 1) 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.
- 2) THE CONTRACTOR SHALL FURNISH MATERIALS FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION APPROVED LISTS.
- 3) PAINTED SURFACES SHALL BE FREE OF DEBRIS.
- 4) MINI DASHES (TURNING LANE GUIDES) PAINTED THROUGH INTERSECTION SHALL MATCH THE EXISTING CYCLE.
- 5) IF ASSIGNED TO PAINT A RAMP, PAINT BOTH SIDES OF THE GORE, GORES ARE PAINTED WITH RAMPS, UNLESS NOTED DIFFERENTLY ON THE PLAN.

RAILROAD NOTES

RAILROAD INSURANCE AND COORDINATION REQUIRED FOR ANY AND ALL WORK AT-GRADE RAILROAD CROSSINGS. WORK ON THIS CONTRACT INVOLVES PAVEMENT MARKING NEAR RAILROAD CROSSINGS OWNED OWNED BY THE FOLLOWING RAILROAD COMPANIES. SEE SPECIAL PROVISIONS FOR CONTRACT INFORMATION.

- UNION PACIFIC RAILROAD COMPANY
- WISCONSIN GREAT NORTHERN RAILROAD
- BNSF RAILWAY COMPANY
- WISCONSIN CENTRAL LTD (CN)



LONGLINE WORK TIMES / TRAFFIC CONTROL / LANE CLOSURE										
MAP REF#	MILES	COUNTY	HWY	BEGIN	END	NO TIME RESTRICTIONS	PAINTING ALLOWED MONDAY THRU FRIDAY 9 AM - 3 PM	PAINTING ALLOWED SUNDAY THRU THURSDAY 9 PM - 5 AM	PAINTING ALLOWED SUNDAY THRU THURSDAY 11 PM - 5 AM	TRAFFIC CONTROL SIGNS PCMS
801	1.1	ASHLAND	USH 2	FIFTEENTH AVE / ASHLAND	29TH AVE / ASHLAND / END OF ASPHALT	----	X	X	----	----
802	7.4	ASHLAND	STH 112	STH 13	STH 118 WEST	X	----	----	----	----
803	6.1	BAYFIELD	USH 2	CTH E SOUTH	USH 63 SOUTH	X	----	----	----	----
804	0.5	BAYFIELD	USH 2	STH 13 RAB / 700' WEST OF CONCRETE / ON WEST SIDE	END OF CONCRETE / ON EAST SIDE	----	X	X	----	----
805	0.3	BAYFIELD	STH 13	USH 2 RAB / OFF RAMP TO STH 13 NORTH	END OF CONCRETE / ON NORTH SIDE	----	X	X	----	----
806	3.3	BAYFIELD	STH 13	SEVENTH ST / BAYFIELD	BERSETT HILL ST / RED CLIFF	----	X	X	----	----
806A	1.6	BAYFIELD	STH 13	NORTH END OF RED CLIFF (END OF CURB & GUTTER)	200' SOUTH OF OLD CTH K	X	----	----	----	----
807	9.8	DOUGLAS	STH 27	BAYFIELD / DOUGLAS CO LINE	RUSH LAKE RD	X	----	----	----	----
808	3.9	DOUGLAS	USH 53	1425' SOUTH OF SNOWBERRY RD	1375' SOUTH OF S ANTLER INN RD	X	----	----	----	----
809	20.6	WASHBURN	USH 53	26 TH AVE / ASPHALT	MILE POST 169 / CTH A	X	----	----	----	----
810	1.9	BARRON	STH 25	USH 8 / BARRON	2500' NORTH OF 15TH ST	----	X	----	----	----
811	0.4	BURNETT	STH 35	STH 77 EAST / 1200' ON EACH SIDE OF INTERSECTION		X	----	----	----	----
812	5.7	BURNETT	STH 77	265' WEST OF BEAR LAKE RD / DEERE LAKE RD	320' EAST OF BURNETT / WASNBURN CO LINE	X	----	----	----	----
814	12.5	BURNETT & POLK	STH 48	STH 87 SOUTH	STH 35 / FREDERIC	X	----	----	----	----
815	18.6	WASH & SAWYER	STH 48	100' WEST OF W PARK AVE / BIRCHWOOD	STH 40	X	----	----	----	----
601	3.0	DUNN	I 94 EB & WB	CONCRETE AT MILE POST 41 INCL: 4 RAMPS AT STH 25 / EXIT 41 INCL: REST AREA GORES IF EPOXY / NO PAINT INSIDE OF REST AREA	520' EAST OF MILE POST 44 / ASPHALT	----	----	X	----	X
602	6.0	DUNN	STH 170	CTH D	STH 40 / COLFAX	X	----	----	----	----
603	12.3	DUNN & CHIPP	STH 40	DUNN / CHIPPEWA CO LINE	YORK ST / BLOOMER	X	----	----	----	----
604		CHIPPEWA	STH 124 NB	BUSINESS 53 SOUTH INTERSECTION / LAKE HALLIE	SEE DRAWING	----	----	----	X	----
605	1.9	CHIPPEWA	STH 27	STH 64 WEST / CORNELL	520' NORTH OF STH 64 EAST / EAST OF CORNELL	X	----	----	----	----
606	9.8	CHIPPEWA	STH 64	1480' EAST OF 180TH ST	STH 27 SOUTH / CORNELL	X	----	----	----	----
606A	5.3	CHIPPEWA	USH 53 SB ONLY	750' NORTH OF MILE POST 114 NO GORES OR RAMPS AT EXIT 118 / CTH M	BARRON / CHIPPEWA CO LINE	X	----	----	----	----
607	0.3	TAYLOR	STH 13	CTH O / SOUTH END OF MEDFORD	MEDFORD CITY LIMITS / START OF CURB & GUTTER	----	X	X	----	----
608	4.8	TAYLOR	STH 102	STH 13	CTH D / RIB LAKE	X	----	----	----	----
609	1.0	JACKSON	USH 12	100' NORTH OF MERRILL ST / MERRILLAN	70' SOUTH OF CASTLEHILL RD / SOUTH OF MERRILLAN	X	----	----	----	----
610	1.0	JACKSON	USH 12	250' WEST OF RUF RD / BLACK RIVER FALLS NO RAMPS TO I 94	EAST ADAMS ST / BLACK RIVER FALLS	X	----	----	----	----
611	15.0	JACKSON	USH 12	HICKORY ST / BLACK RIVER FALLS	JACKSON / MONROE CO LINE	X	----	----	----	----
612	5.4	JACKSON	I 94 EB & WB	475' EAST OF MILEPOST 113 / END OF CONCRETE INCL RAMPS: USH 12 / STH 27 / EXIT 115	EAST END OF BLACK RIVER BRIDGE	----	----	X	----	X

LONGLINE WORK TIMES /TRAFFIC CONTROL / LANE CLOSURE										
MAP REF#	MILES	COUNTY	HWY	BEGIN	END	NO TIME RESTRICTIONS	PAINTING ALLOWED MONDAY THRU FRIDAY 9 AM - 3 PM	PAINTING ALLOWED SUNDAY THRU THURSDAY 9 PM - 5 AM	PAINTING ALLOWED SUNDAY THRU THURSDAY 11 PM - 5 AM	TRAFFIC CONTROL SIGNS PCMS
613	1.3	ST CROIX	USH 12	1060' WEST OF STH 65 SOUTH RAB	950' EAST OF STH 65 NORTH RAB	----	----	X	----	----
614	0.6	ST CROIX	STH 65	370' SOUTH OF STAR LN	70TH AVE INTERSECTION	----	----	----	X	----
615	0.1	BUFFALO	STH 25	OFF RAMP AT STH 35 WEST / NORTH OF NELSON		X	----	----	----	----
616	13.8	PIERCE	STH 35	PEPIN / PIERCE CO LINE	USH 63	X	----	----	----	----
616A	3.2	PIERCE	STH 35	950' SOUTH OF 1200TH AVE /SOUTH OF PRESCOTT	WACOTA ST /PRESCOTT	X	----	----	----	----
617	0.5	TREMPEALEAU	USH 53	PARK AVE / OSSEO	USH 10 EAST / OSSEO	X	----	----	----	----
618	5.0	TREMPEALEAU	USH 53	425' NORTH OF STH 95 WEST NORTH OF BLAIR	RICHTER RD / WHITEHALL	X	----	----	----	----
619	1.1	TREMPEALEAU	USH 53	W RIDGE AVE / GALESVILLE	370' NORTH OF PRAIRIE RIDGE AVE / GALESVILLE	X	----	----	----	----
620		BUFFALO	STH 35	TREMPEALEAU / BUFFALO CO LINE	2600' NORTH OF STH 54 WEST	X	----	----	----	----
621	4.7	CLARK	STHH 98	STH 73	HELM ST / LOYAL	X	----	----	----	----
NPZ 1	19.2	BUFFALO	STH 88	STH 35 CENTERLINE EXTENSIONS .16 TO .21 / 28 TOUCHES	CTH U	X	----	----	----	----
NPZ 1R	POINT	BUFFALO TRAVELING NB	STH 88	800' SOUTH OF STH121 EAST / GILMANTON CENTERLINE REMOVAL / 1 TOUCH		X	----	----	----	----
NPZ 2R	POINT	BUFFALO TRAVELING NB	STH 37	250' NORTH OF CTH J CENTERLINE REMOVAL / 1 TOUCH		X	----	----	----	----
NPZ 3R	POINT	BUFFALO TRAVELING NB	STH 35	1.9 MILES NORTH OF STH 88 NORTH / 800' SOUTH OF PRAIRIE MOON RD CENTERLINE REMOVAL / 1 TOUCH		X	----	----	----	----
NPZ 4R	POINT	BUFFALO TRAVELING NB	STH 35	2115' NORTH OF RIVERVIEW DR / ALMA CENTERLINE REMOVAL / 1 TOUCH		X	----	----	----	----
NPZ 2	9.1	DUNN	STH 79	USH 12 WEST OF MENOMONIE CENTERLINE EXTENSIONS .16 TO .21 / 14 TOUCHES	STH 170 EAST / BOYCEVILLE	X	----	----	----	----
NPZ 5R	2.4	DUNN TRAVELING NB	STH 79	USH 12 WEST OF MENOMONIE CENTERLINE REMOVALS / 2 TOUCHES	150' NORTH OF 770TH AVE	X	----	----	----	----
NPZ 6R	0.4	DUNN TRAVELING EB	STH 85	194TH AVE / CARYVILLE CENTERLINE REMOVALS / 2 TOUCHES	1700' EAST OF CTH H NORTH	X	----	----	----	----
NPZ 7R	16.0	DUNN TRAVELING EB	STH 170	CTH Q NORTH / DOWNSVILLE CENTERLINE REMOVALS / 4 TOUCHES	700TH ST	X	----	----	----	----
NPZ 3	10.2	RUSK	STH 40	320' NORTH OF BECKEY CREEK CENTERLINE EXTENSIONS .16 TO .21 /11 TOUCHES	RUSK / SAWYER CO LINE	X	----	----	----	----
NPZ 8R	1.0	RUSK TRAVELING NB	STH 40	NORTH STAR RD CENTERLINE REMOVALS / 3 TOUCHES	RUSK / SAWYER CO LINE	X	----	----	----	----
NPZ 4	9.8	SAWYER	STH 40	RUSK / SAWYER CO LINE CENTERLINE EXTENSIONS .16 TO .21 / 18 TOUCHES	STH 27 NORTH 7 STH 70 EAST / RADISSON	X	----	----	----	----
NPZ 9R	23.4	JACKSON TRAVELING EB	STH 54	3326' EAST OF HIGHLAND RD CENTERLINE REMOVALS / 11 TOUCHES	CITY POINT - AT JCT CTH ZZ SIGN	X	----	----	----	----
NPZ 10R	7.2	EAU CLAIRE TRAVELING NB	USH 53	2165' NORTH OF EAU CLAIRE / TREMPEALEAU CO LINE CENTERLINE REMOVALS / 2 TOUCHES	1060' NORTH OF MICHELS RD	X	----	----	----	----
NPZ 11R	7.1	EAU CLAIRE TRAVELING EB	USH 12	845' EAST OF HIAWATHA ROAD/EAST OF FALL CREEK CENTERLINE REMOVALS / 5 TOUCHES	100' EAST OF BARTIG RD / AUGUSTA	X	----	----	----	----
NPZ 12R	POINT	BARRON TRAVELING EB	STH 48	AT 22ND 1/2 AVE / JCT OF STH 48 & USH 63 SOUTH CENTERLINE REMOVAL / 1 TOUCH		X	----	----	----	----
NPZ 13R	POINT	BURNETT TRAVELING EB	STH 77	225' EAST OF RED SCHOOL RD CENTERLINE REMOVAL / 1 TOUCH		X	----	----	----	----

LONGLINE WORK TIMES /TRAFFIC CONTROL / LANE CLOSURE										
MAP REF#	MILES	COUNTY	HWY	BEGIN	END	NO TIME RESTRICTIONS	PAINTING ALLOWED MONDAY THRU FRIDAY 9 AM - 3 PM	PAINTING ALLOWED SUNDAY THRU THURSDAY 9 PM - 5 AM	PAINTING ALLOWED SUNDAY THRU THURSDAY 11 PM - 5 AM	TRAFFIC CONTROL SIGNS PCMS
NPZ 14R	1.0	BURNETT	STH 35	CTH D	N BASS LAKE RD	X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS / 4 TOUCHES						
NPZ 15R	POINT	BURNETT	STH 35	3220' NORTH OF 26 LAKE RD		X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH						
NPZ 16R	POINT	BURNETT	STH 35	3540' NORTH OF BIG ISLAND RD		X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH						
NPZ 17R	POINT	BURNETT	STH 35	4650' NORTH OF SAINT CROIX TR. RD		X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH						
NPZ 18R	POINT	BARRON	STH 25	1530' NORTH OF 17TH AVE		X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH						
NPZ 19R	POINT	RUSK CO	STH 40	BETWEEN CHIPPEWA / RUSK CO LINE TO USH 8 BRUCE		X	----	----	----	----
		RUSK CO	STH 40	590' NORTH OF EAU CLAIRE AVE						
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH						
NPZ 20R	POINT	RUSK CO	STH 40	1657' NORTH OF EAU CLAIRE AVE		X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH						
NPZ 21R	POINT	RUSK CO	STH 40	60' SOUTH OF OLD HIGHWAY D		X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS /1 TOUCH						
NPZ 22R	POINT	RUSK CO	STH 40	243' SOUTH OF CTH D		X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS /1 TOUCH						
NPZ 23R	POINT	RUSK CO	STH 40	665' NORTH OF KRAMER RD		X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS /1 TOUCH						
NPZ 24R	POINT	RUSK CO	STH 40	1588' NORTH OF S HUTCHINSON RD		X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS /1 TOUCH						
NPZ 25R	POINT	RUSK CO	STH 40	2447' NORTH OF S HUTCHINSON RD		X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS /1 TOUCH						
NPZ 26R	POINT	RUSK CO	STH 40	AT SOUTH SHORE RD		X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH						
NPZ 27R	POINT	RUSK CO	STH 40	60' SOUTH OF GOLAT LN		X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH						
NPZ 28R	POINT	RUSK CO	STH 40	300' NORTH OF MUSK-PYK KAMP RD / SOUTH INTERSECTION		X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH						
NPZ 29R	POINT	RUSK CO	STH 40	3121' NORTH OF RIVER RD		X	----	----	----	----
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH						
NPZ 30R	POINT	RUSK CO	STH 40	658' SOUTH OF SAND HILL LN		X	----	----	----	----
		TRAVELING EB		CENTERLINE REMOVAL / 1 TOUCH						
NPZ 31R	Point	Rusk Co	STH 40	455' North of Sand Hill Ln		X	----	----	----	----
		Traveling NB		Centerline Removals / 1 Touch						
NPZ 32R	Point	Polk Co	STH 48	725' East of Bass Lake Rd / East Jct		X	----	----	----	----
		Traveling EB		Centerline Removals / 1 Touch						
NPZ 33R	Point	Douglas Co	STH 13	Between CTH P South to 6030' North of CTH U South & S Camp Amnicon Rd		X	----	----	----	----
		Douglas Co	STH 13	1391' North of CTH P						
		Traveling EB		Centerline Removals / 1 Touch						
NPZ 34R	Point	Douglas Co	STH 13	7135' North of CTH D		X	----	----	----	----
		Traveling EB		Centerline Removals / 1 Touch						
NPZ 35R	Point	Douglas Co	STH 13	641' North of Amnicon Rd, N & Anderson Rd, S		X	----	----	----	----
		Traveling EB		Centerline Removals / 1 Touch						
NPZ 36R	Point	Douglas Co	STH 13	1828' North of Amnicon Rd, N & Anderson Rd, S		X	----	----	----	----
		Traveling EB		Centerline Removals / 1 Touch						
NPZ 37R	Point	Douglas Co	STH 13	At Walsh Rd South		X	----	----	----	----
		Traveling EB		Centerline Removals / 1 Touch						
NPZ 38R	Point	Douglas Co	STH 13	At CTH U South & S Camp Amnicon Rd		X	----	----	----	----
		Traveling EB		Centerline Removals / 1 Touch						
NPZ 39R	Point	Douglas Co	STH 13	1642' North of CTH U South & S Camp Amnicon Rd		X	----	----	----	----
		Traveling EB		Centerline Removals / 1 Touch						
NPZ 40R	Point	Douglas Co	STH 13	2746' North of CTH U South & S Camp Amnicon Rd		X	----	----	----	----
		Traveling EB		Centerline Removals / 1 Touch						
NPZ 41R	Point	Douglas Co	STH 13	6030' North of CTH U South & S Camp Amnicon Rd		X	----	----	----	----
		Traveling EB		Centerline Removals / 1 Touch						

SPECIAL MARKING (WORK TIMES / TRAFFIC CONTROL / LANE CLOSURE)							
MAP REFERENCE	HWY	MAP SITE ID	NO TIME	PAINTING ALLOWED	PAINTING ALLOWED	PAINTING ALLOWED	TRAFFIC CONTROL
			RESTRICTIONS	MONDAY THRU FRIDAY	SUNDAY THRU THURSDAY	SUNDAY THRU THURSDAY	SIGNS
				9 AM - 3 PM	9 PM - 5 AM	11 PM - 5 AM	PCMS
ASHLAND 12	USH 2	24TH AVE E - ASHLAND	----	X	X	----	----
ASHLAND 13	USH 2	26TH AVE E - ASHLAND	----	X	X	----	----
BARRON 01	STH 25	E RIVER AVE - BARRON	X	----	----	----	----
BARRON 30B	STH 25	USH 8 - BARRON	----	X	----	----	----
BARRON 64A	USH 53	EXIT 150, CTH V, HAUGEN	X	----	----	----	----
BARRON 64B	USH 53	EXIT 150, CTH V, HAUGEN	X	----	----	----	----
BUFFALO 04	STH 25	STH 35 - NORTH OF NELSON	X	----	----	----	----
BUFFALO 05A	STH 35	STH 54 W - WINONA DIKE	X	----	----	----	----
BUFFALO 06	STH 35	DODGE - CTH P R X R CROSSING	X	----	----	----	----
BURNETT 02A	STH 35	STH 77 EB INTERSECTION NORTH OF DANBURY	X	----	----	----	----
BURNETT 02B	STH 77	STH 35 NB INTERSECTION NORTH OF DANBURY	X	----	----	----	----
CHIPPEWA 01	STH 27	STH 64 - CORNELL	X	----	----	----	----
CHIPPEWA 27	STH 64	STH 178 - CORNELL	X	----	----	----	----
DOUGLAS 05	STH 105	BUTLER RD - WEST OF SUPERIOR	X	----	----	----	----
DOUGLAS 13	USH 2	2500 FT EAST OF SUPERIOR REST AREA	X	----	----	----	----
DOUGLAS 58	USH 2	650 FT EAST OF MILEPOST 227 (SOUTH OF WEIGH STATION)	X	----	----	----	----
DOUGLAS 59	USH 2	750 FT EAST OF 22 RD	X	----	----	----	----
DUNN 15	STH 170	STH 40 - COLFAX	X	----	----	----	----
DUNN 17A	STH 25	IH 94WB OFF RAMP - MENOMONIE - EXIT 41	----	----	X	----	----
DUNN 17B	STH 25	IH 94WB ON RAMP - MENOMONIE - EXIT 41	----	----	X	----	----
DUNN 18A	STH 25	IH 94EB ON RAMP - MENOMONIE - EXIT 41	----	----	X	----	----
DUNN 18B	STH 25	IH 94EB OFF RAMP - MENOMONIE - EXIT 41	----	----	X	----	----
DUNN 25A	IH 94	STH 25 - MENOMONIE - EXIT 41	----	----	X	----	----
DUNN 25B	IH 94	STH 25 - MENOMONIE - EXIT 41	----	----	X	----	----
DUNN 30	STH 170	CTH D - E OF WHEELER	X	----	----	----	----
JACKSON 30A	USH 12	CTH A - BLACK RIVER FALLS	X	----	----	----	----
PIERCE 20B	STH 35	USH 63 - HAGER CITY	----	X	X	----	----

SPECIAL MARKING (WORK TIMES /TRAFFIC CONTROL / LANE CLOSURE)

MAP REFERENCE	HWY	MAP SITE ID	NO TIME RESTRICTIONS	PAINTING ALLOWED MONDAY THRU FRIDAY 9 AM - 3 PM	PAINTING ALLOWED SUNDAY THRU THURSDAY 9 PM - 5 AM	PAINTING ALLOWED SUNDAY THRU THURSDAY 11 PM - 5 AM	TRAFFIC CONTROL SIGNS PCMS
PIERCE 31A	STH 29	STH 65 - 830TH AVE - RAB - RIVER FALLS	----	----	X	----	----
PIERCE 31B	STH 29	STH 65 - 830TH AVE - RAB - RIVER FALLS	----	----	X	----	----
PIERCE 31C	STH 65	STH 29 - 830TH AVE - RAB - RIVER FALLS	----	----	X	----	----
PIERCE 31D	STH 29	STH 65 - 830TH AVE - RAB - RIVER FALLS	----	----	X	----	----
POLK 56B	STH 48	STH 35 - FREDERIC	X	----	----	----	----
RUSK 03	STH 27	FRITZ AVE - LADYSMITH	X	----	----	----	----
RUSK 07	STH 40	2400 FT NORTH OF NORTH STAR RD	X	----	----	----	----
SAWYER 01	STH 48	1.5 MI WEST OF EXCELAND	X	----	----	----	----
SAWYER 03	STH 48	STH 40 - EAST OF EXELAND	X	----	----	----	----
ST CROIX 01A	USH 12	STH 65 NORTH - WEST SIDE OF RAB - ROBERTS	----	----	X	----	----
ST CROIX 01C	STH 65	USH 12 EAST - NORTH SIDE OF RAB - ROBERTS	----	----	X	----	----
ST CROIX 01D	USH 12	130TH ST - SOUTH SIDE OF STH 65 NORTH RAB - ROBERTS	----	----	X	----	----
ST CROIX 02A	USH 12	STH 65 SOUTH - WEST SIDE OF RAB - ROBERTS	----	----	X	----	----
ST CROIX 02B	USH 12	STH 65 SOUTH - EAST SIDE OF RAB - ROBERTS	----	----	X	----	----
ST CROIX 02D	USH 12	120TH ST - NORTH SIDE OF STH 65 SOUTH RAB - ROBERTS	----	----	X	----	----
ST CROIX 14	STH 65	WAGNER RD - SOUTH OF ROBERTS	----	----	X	----	----
ST CROIX 16	STH 35	BUCKEYE ST - COULEE RD - HUDSON	----	----	X	----	----
ST CROIX 45A	IH 94	STH 65 - EXIT 10 - ROBERTS	----	----	----	X	ONE AT END OF RAMP
ST CROIX 45B	IH 94	STH 65 - EXIT 10 - ROBERTS	----	----	----	X	ONE AT END OF RAMP
ST CROIX 45AA	STH 65	I-94 EB OFF /ON RAMPS RAB - STH 65 NB	----	----	----	X	----
ST CROIX 45AAA	STH 65	I-94 EB OFF /ON RAMPS RAB - STH 65 SB	----	----	----	X	----
ST CROIX 45BB	STH 65	I-94 WB OFF /ON RAMPS RAB - STH 65 NB	----	----	----	X	----
ST CROIX 45BBB	STH 65	I-94 WB OFF / ON RAMPS RAB - STH 65 SB	----	----	----	X	----
ST CROIX 52	STH 35	FRONT ST - IH 94 & HUDSON	----	----	X	----	----
ST CROIX 69	STH 65	70TH AVE - SOUTH OF ROBERTS	----	----	----	X	----

SPECIAL MARKING (WORK TIMES /TRAFFIC CONTROL / LANE CLOSURE)							
MAP REFERENCE	HWY	MAP SITE ID	NO TIME	PAINTING ALLOWED	PAINTING ALLOWED	PAINTING ALLOWED	TRAFFIC CONTROL
			RESTRICTIONS	MONDAY THRU FRIDAY	SUNDAY THRU THURSDAY	SUNDAY THRU THURSDAY	SIGNS
				9 AM - 3 PM	9 PM - 5 AM	11 PM - 5 AM	PCMS
ST CROIX 89A	STH 65	CTH TT / 80TH AVE - RAB - ROBERTS	----	----	X	----	----
ST CROIX 89B	STH 65	CTH TT / 80TH AVE - RAB - ROBERTS	----	----	X	----	----
ST CROIX 89C	STH 65	CTH TT / 80TH AVE - RAB - ROBERTS	----	----	X	----	----
ST CROIX 89D	STH 65	CTH TT / 80TH AVE - RAB - ROBERTS	----	----	X	----	----
ST CROIX 90A	STH 65	CTH G - RAB - NORTH OF ROBERTS	----	----	X	----	----
ST CROIX 90B	STH 65	CTH G - RAB - NORTH OF ROBERTS	----	----	X	----	----
ST CROIX 90C	STH 65	CTH G - RAB - NORTH OF ROBERTS	----	----	X	----	----
ST CROIX 90D	STH 65	CTH G - RAB - NORTH OF ROBERTS	----	----	X	----	----
ST CROIX 91	STH 65	STAR LN - SOUTH OF I 94	----	----	----	X	----
TAYLOR 05	STH 102	STH 13 - SOUTH OF RIB LAKE	X	----	----	----	----
TREMPEALEAU 11A	STH 93	USH 10 - ELEVA	X	----	----	----	----
TREMPEALEAU 11C	USH 10	STH 93 - ELEVA	X	----	----	----	----
TREMPEALEAU 15	STH 93	1300 FT SOUTH ROGNEBY LN - SOUTH OF ARCADIA	X	----	----	----	----
TREMPEALEAU 19B	USH 53	USH 10 - OSSEO - EAST JCT	X	----	----	----	----
TREMPEALEAU 39	USH 53	PARK AVE - OSSEO	X	----	----	----	----
TREMPEALEAU 41	USH 53	SILVER CREEK RD - GALESVILLE	X	----	----	----	----
TREMPEALEAU 42	USH 53	CRESTWOOD LN - GALESVILLE	X	----	----	----	----
TREMPEALEAU 43	USH 53	PRAIRIE RIDGE LANE - GALESVILLE	X	----	----	----	----

2

GENERAL NOTES

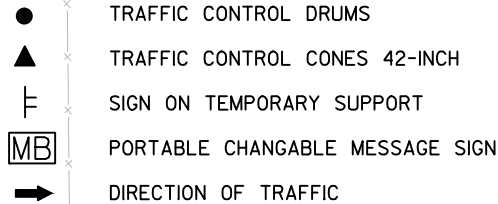
THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT
CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET
DISTANCE TO EXISTING SIGNS.

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

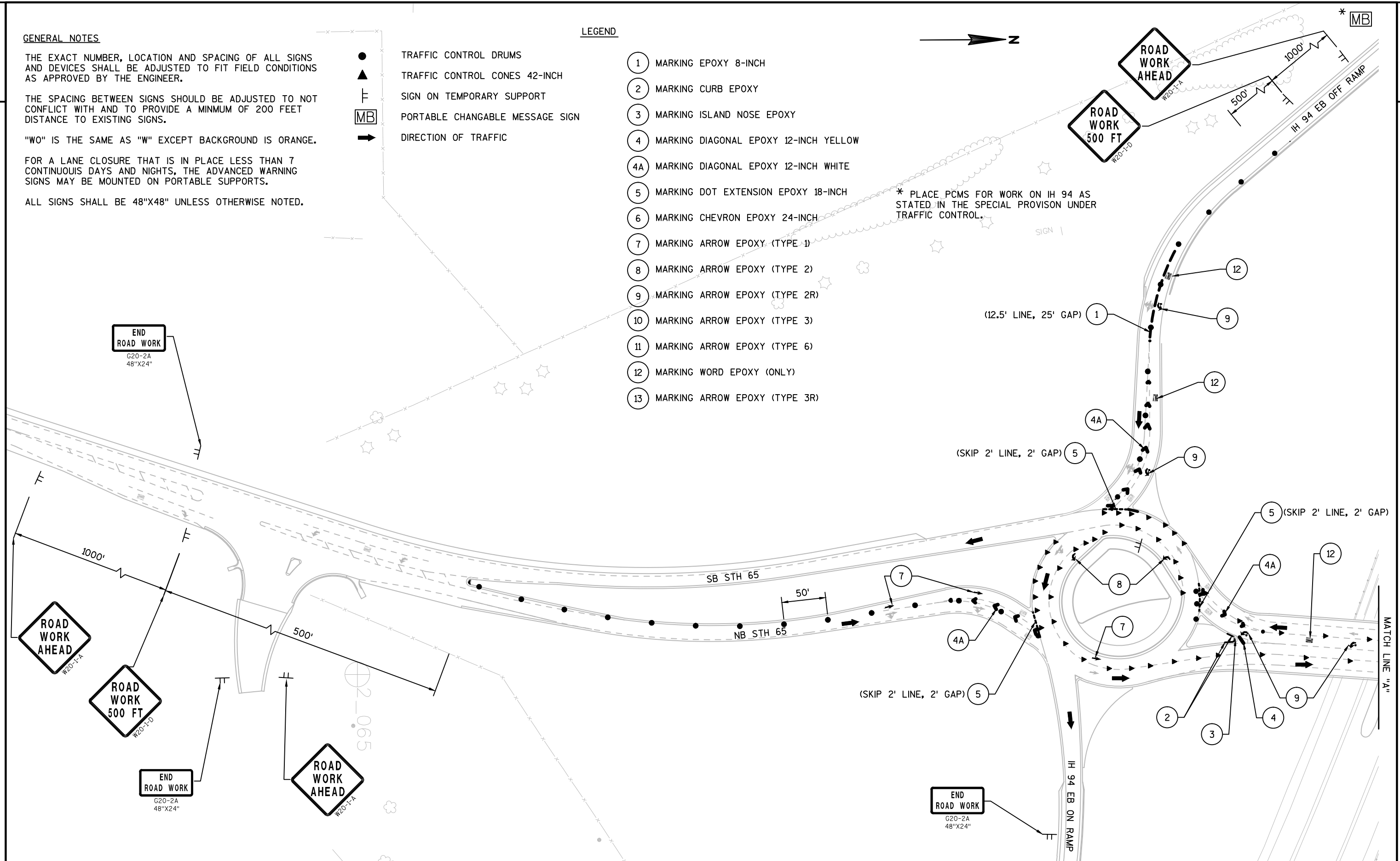
FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL SIGNS SHALL BE 48"X48" UNLESS OTHERWISE NOTED.



LEGEND

- 1 MARKING EPOXY 8-INCH
- 2 MARKING CURB EPOXY
- 3 MARKING ISLAND NOSE EPOXY
- 4 MARKING DIAGONAL EPOXY 12-INCH YELLOW
- 4A MARKING DIAGONAL EPOXY 12-INCH WHITE
- 5 MARKING DOT EXTENSION EPOXY 18-INCH
- 6 MARKING CHEVRON EPOXY 24-INCH
- 7 MARKING ARROW EPOXY (TYPE 1)
- 8 MARKING ARROW EPOXY (TYPE 2)
- 9 MARKING ARROW EPOXY (TYPE 2R)
- 10 MARKING ARROW EPOXY (TYPE 3)
- 11 MARKING ARROW EPOXY (TYPE 6)
- 12 MARKING WORD EPOXY (ONLY)
- 13 MARKING ARROW EPOXY (TYPE 3R)



2

PROJECT NO:1000-18-13

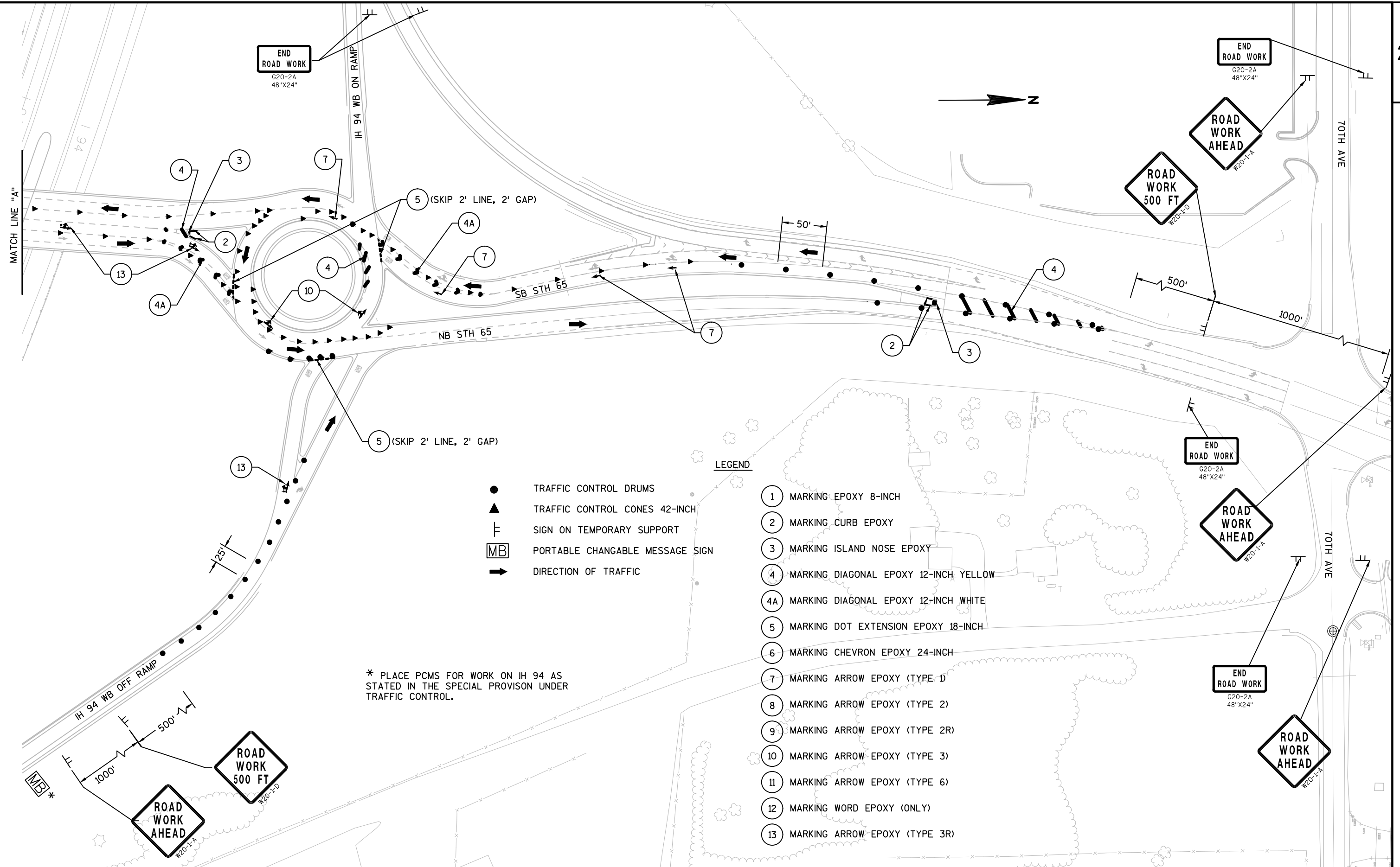
HWY: STH 65 & IH 94

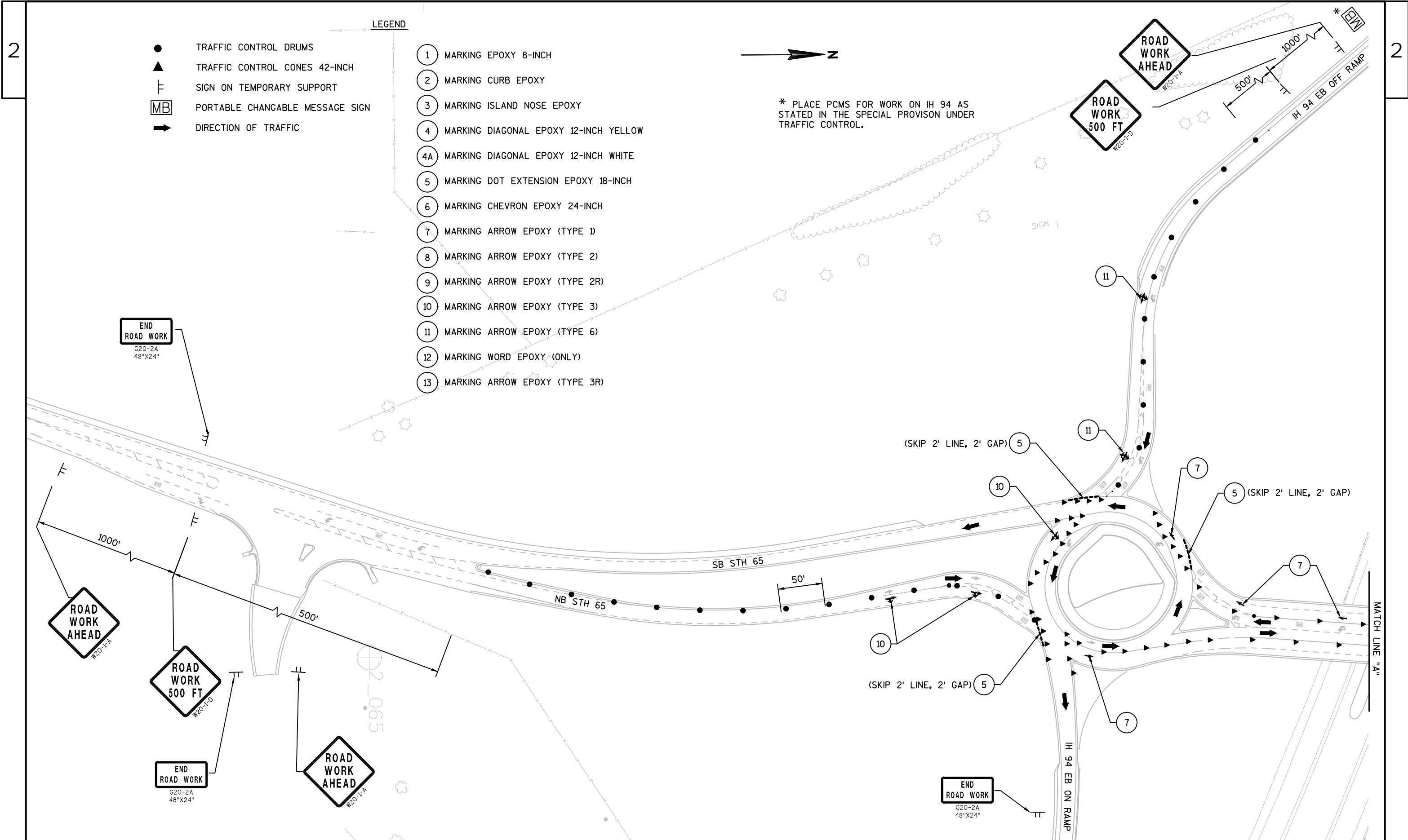
COUNTY:ST. CROIX

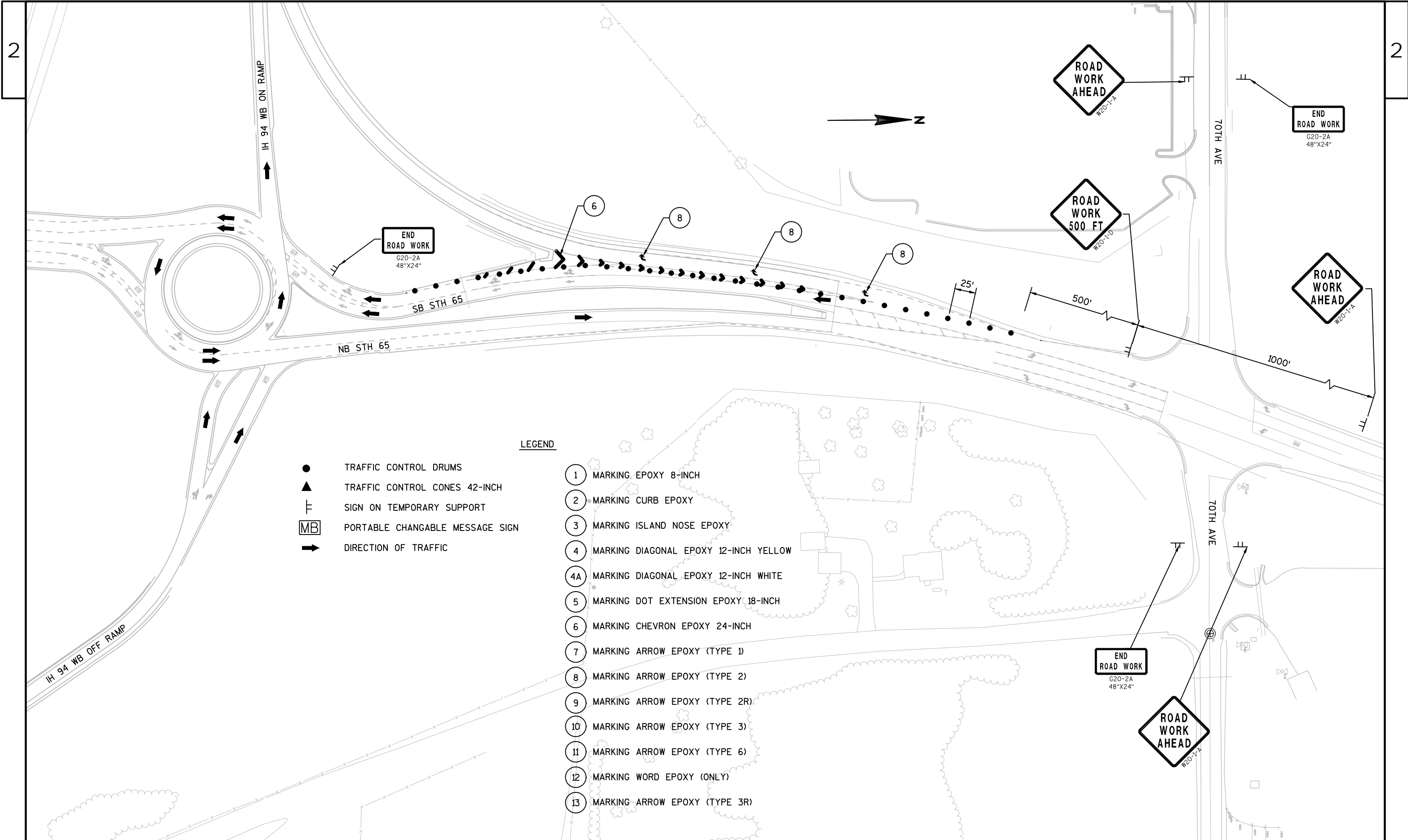
TRAFFIC CONTROL - STAGE 1 (ST CROIX 45A TO 45BBB)

SHEET

E



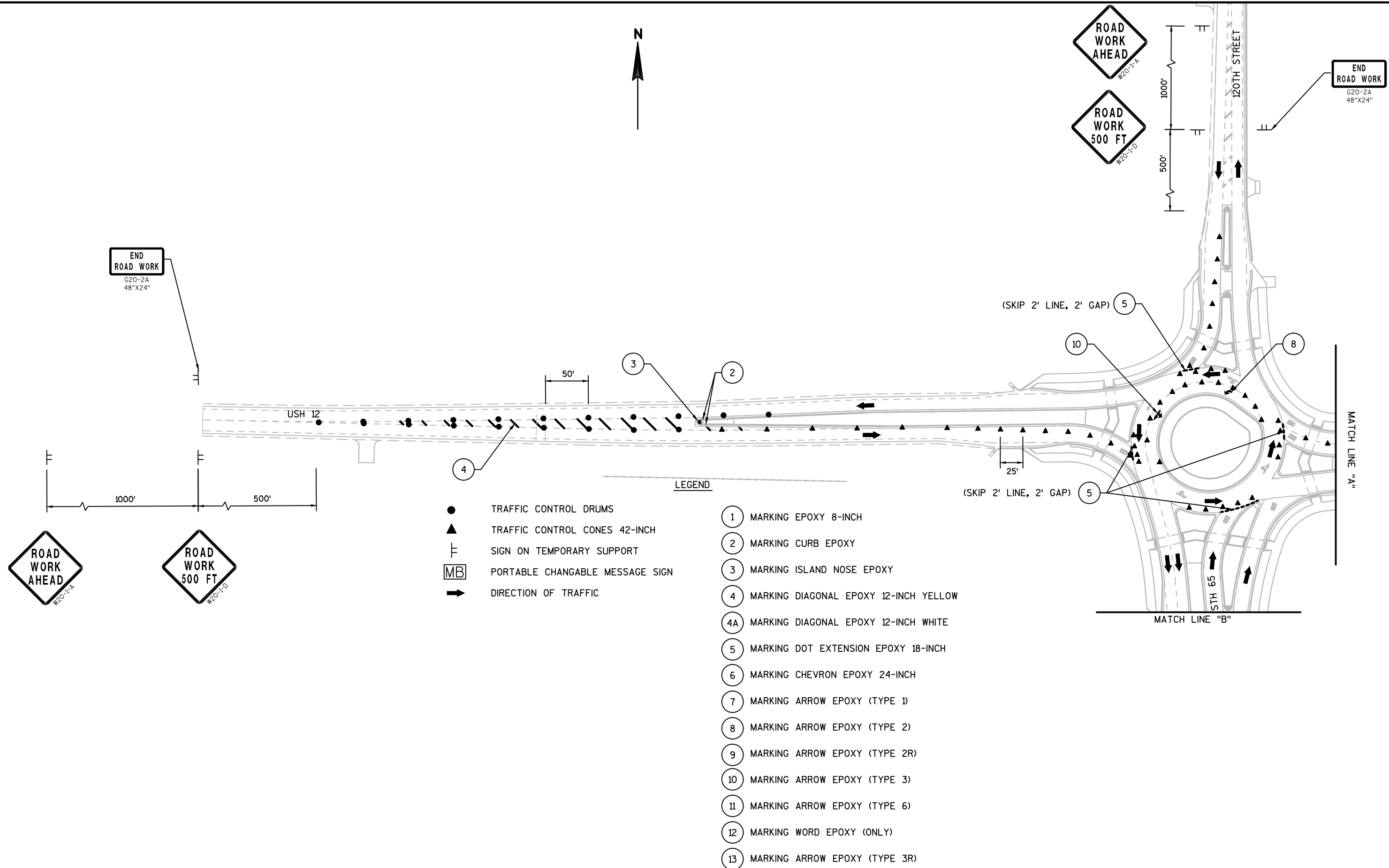


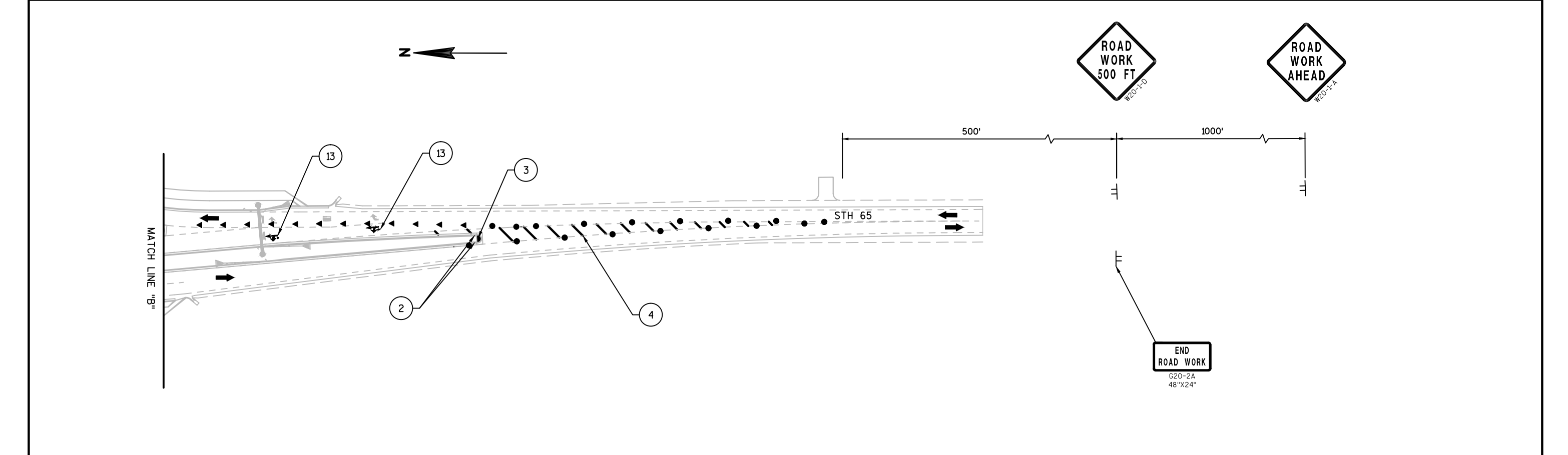
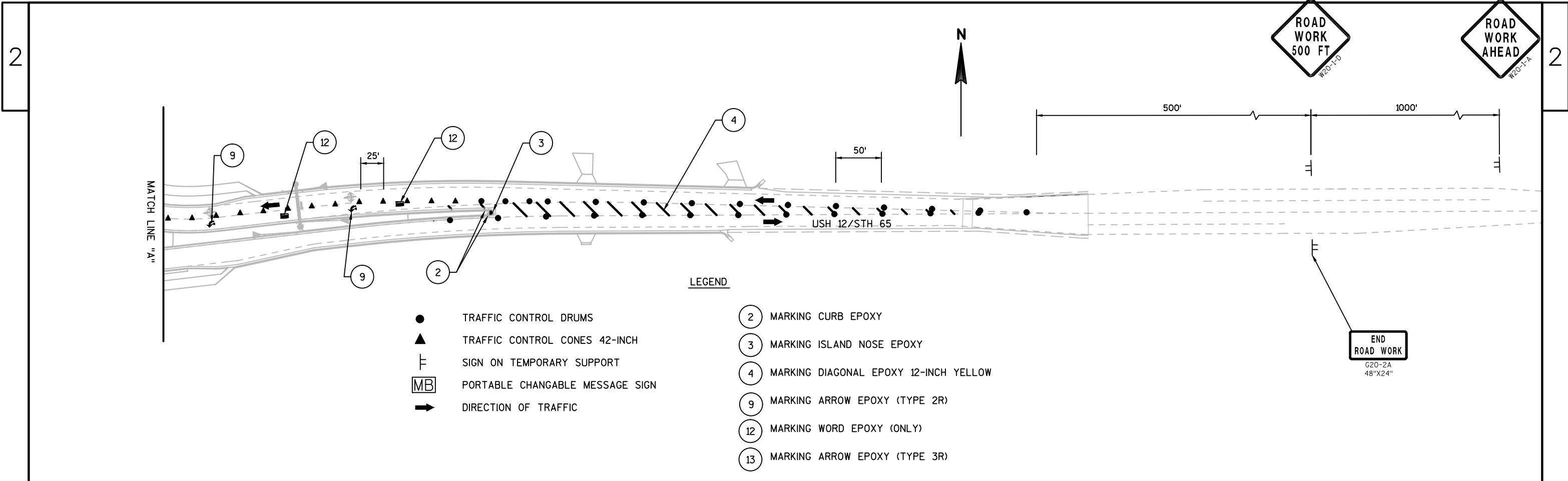


- TRAFFIC CONTROL DRUMS
- ▲ TRAFFIC CONTROL CONES 42-INCH
- ┌ TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- MB PORTABLE CHANGABLE MESSAGE SIGN
- ➔ DIRECTION OF TRAFFIC

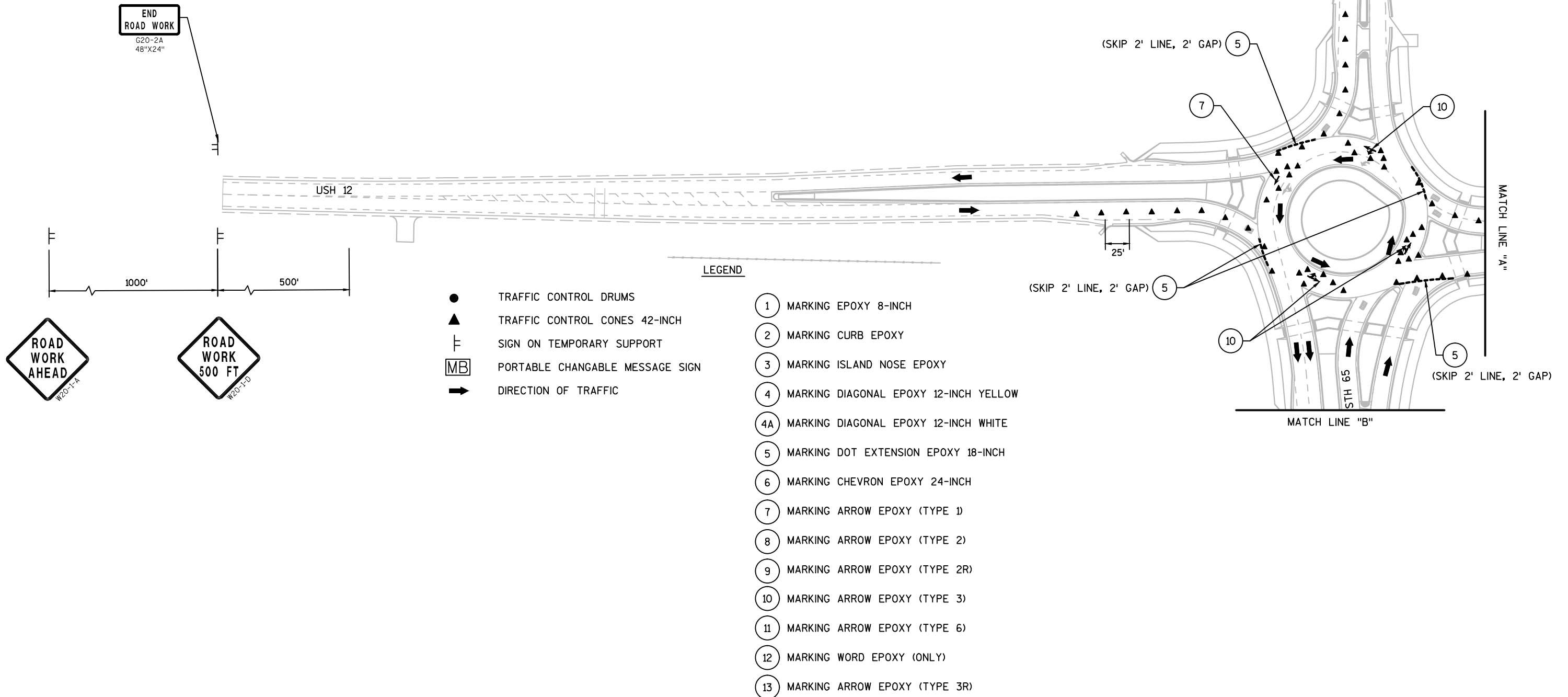
LEGEND

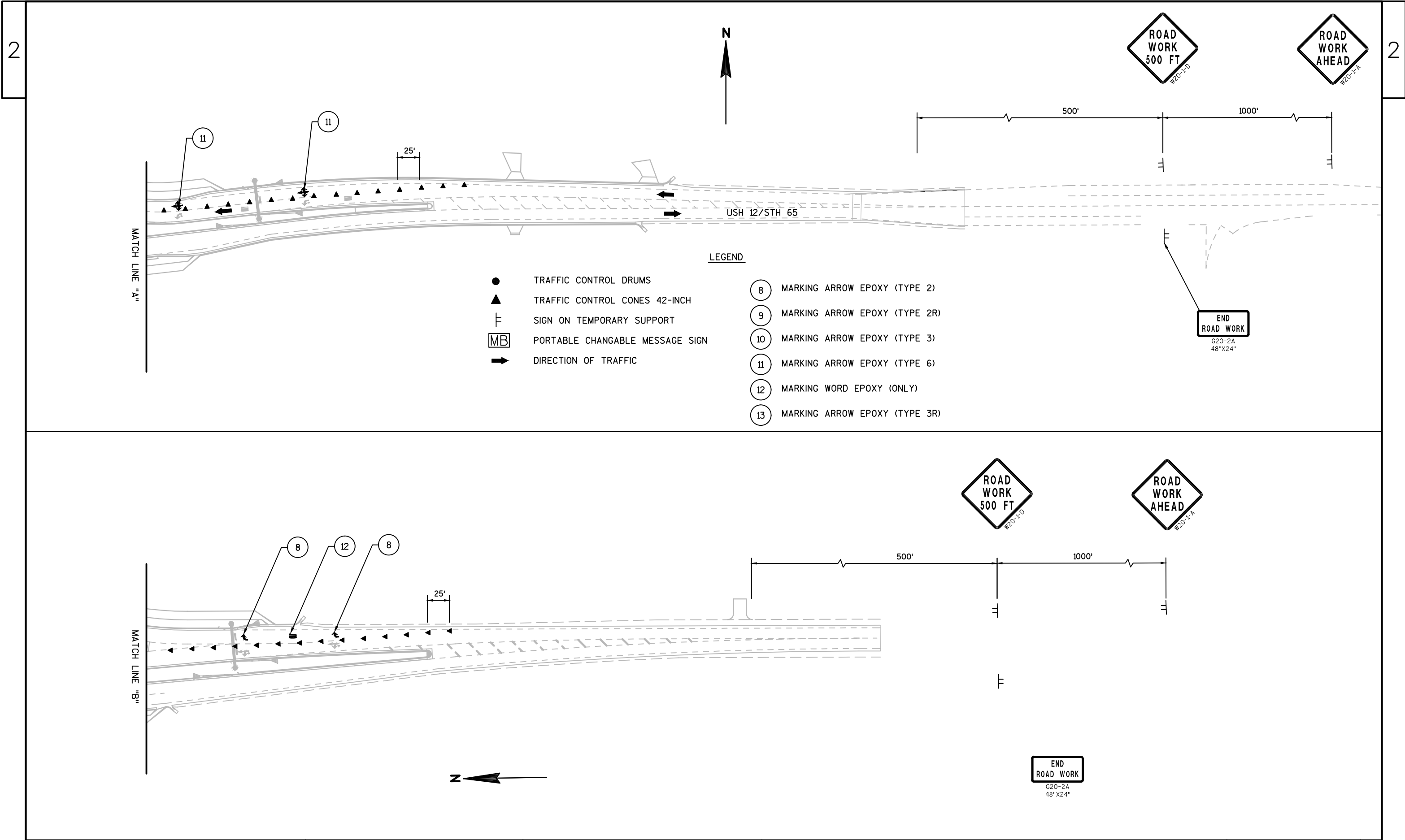
- 1 MARKING EPOXY 8-INCH
- 2 MARKING CURB EPOXY
- 3 MARKING ISLAND NOSE EPOXY
- 4 MARKING DIAGONAL EPOXY 12-INCH YELLOW
- 4A MARKING DIAGONAL EPOXY 12-INCH WHITE
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- 7 MARKING ARROW EPOXY (TYPE 1)
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- 9 MARKING ARROW EPOXY (TYPE 2R)
- 10 MARKING ARROW EPOXY (TYPE 3)
- 11 MARKING ARROW EPOXY (TYPE 6)
- 12 MARKING WORD EPOXY (ONLY)
- 13 MARKING ARROW EPOXY (TYPE 3R)

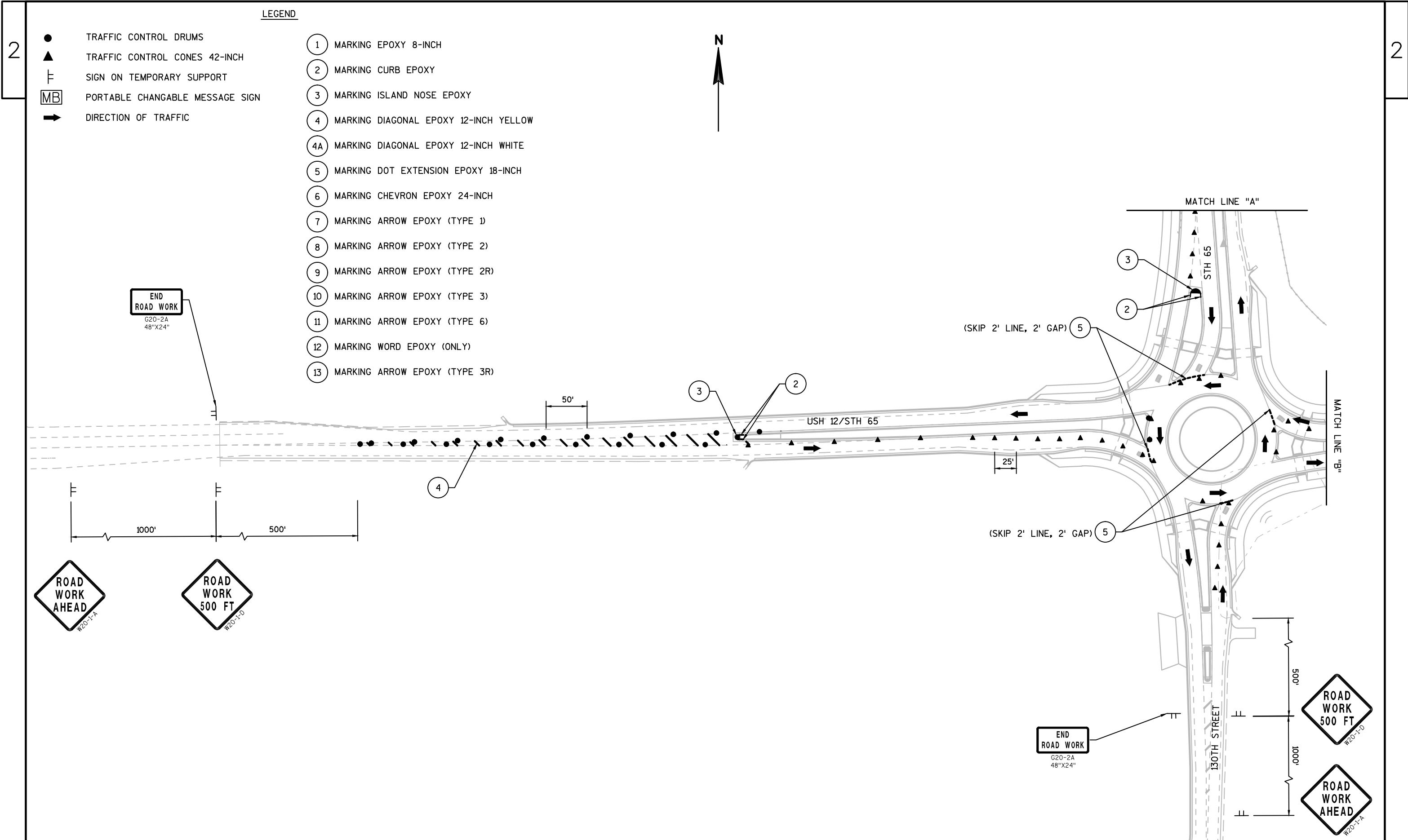


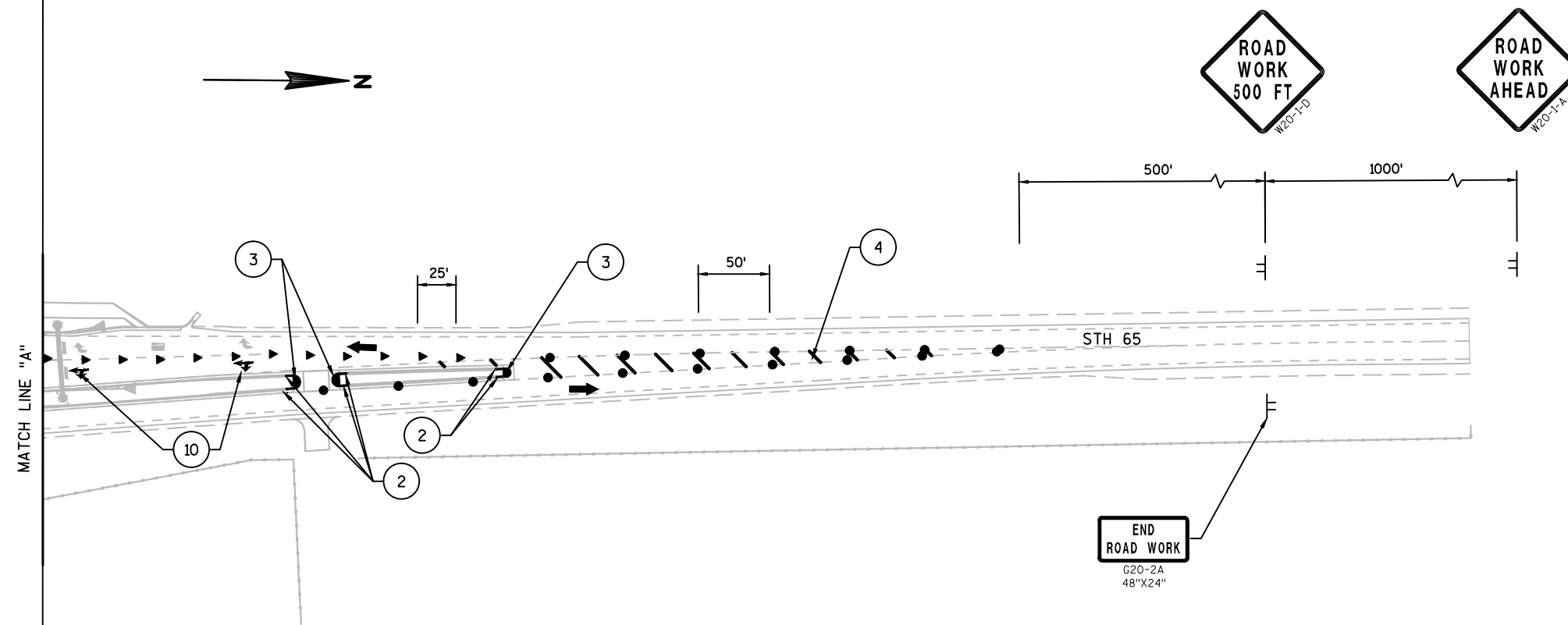


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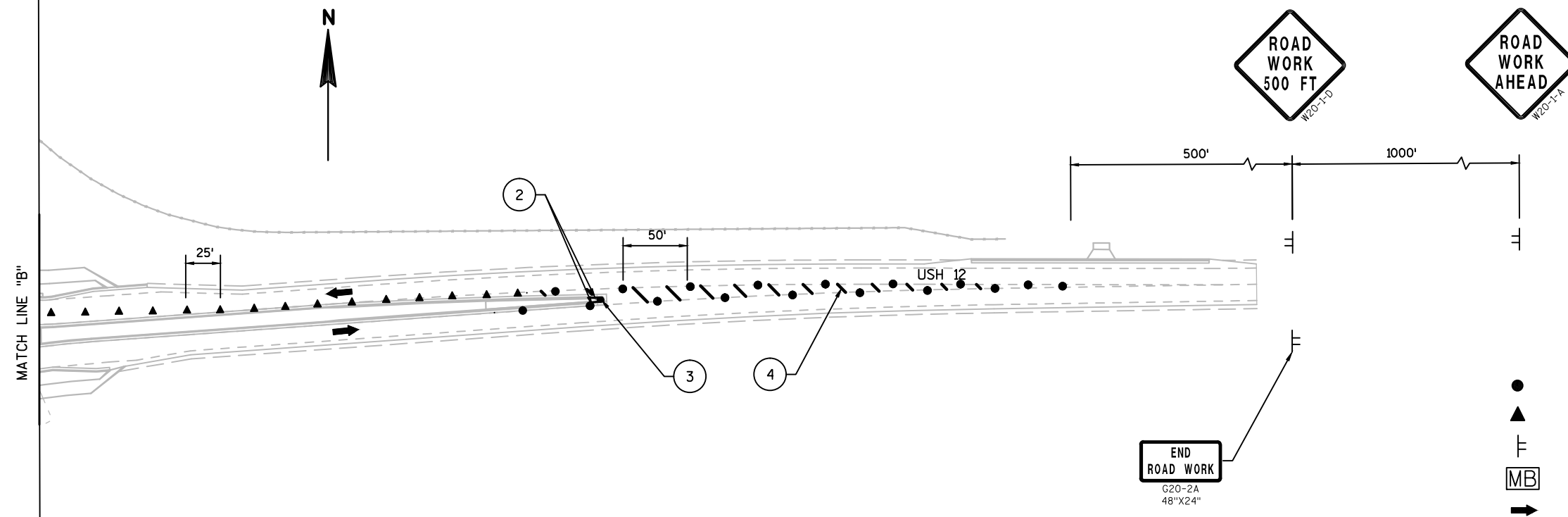




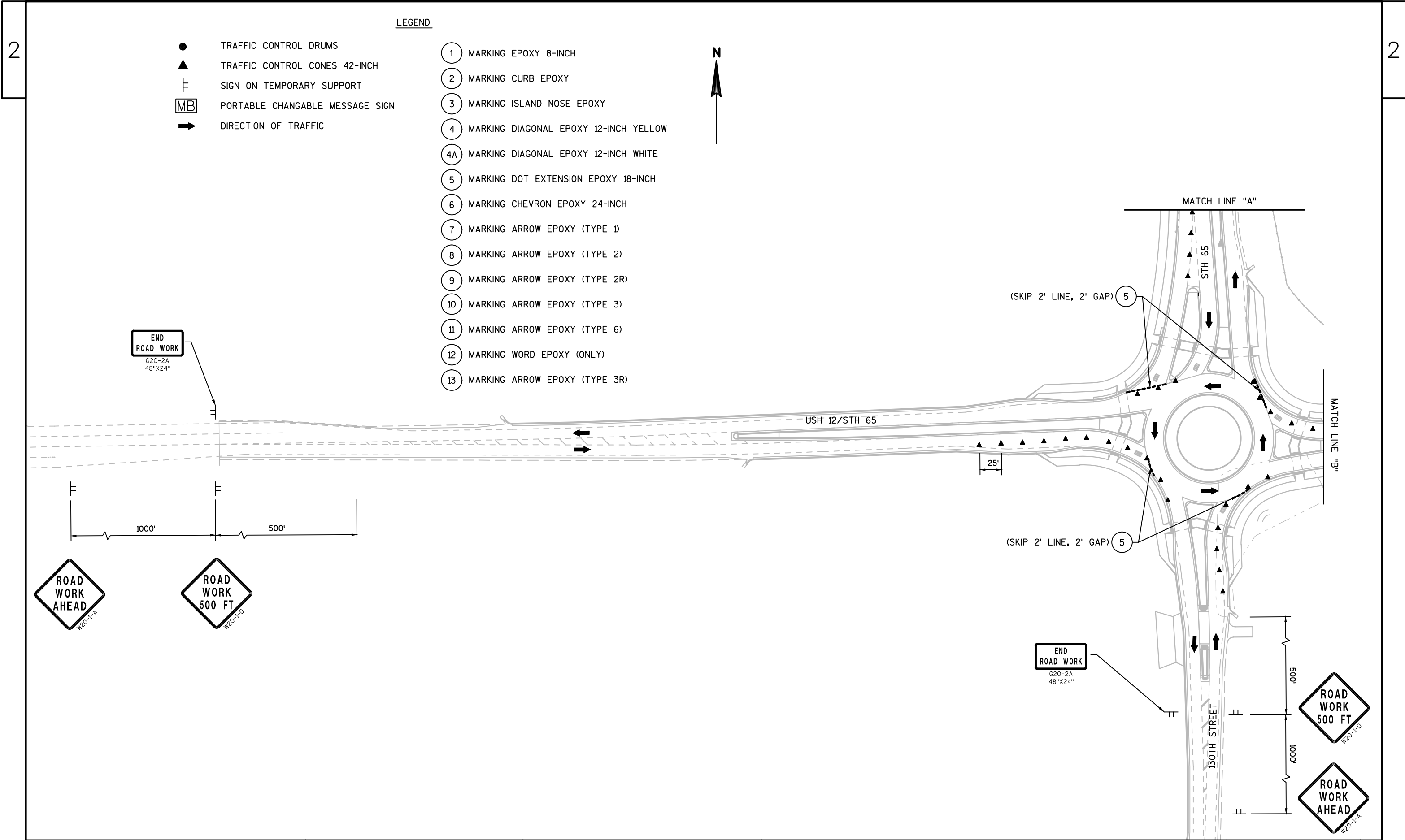


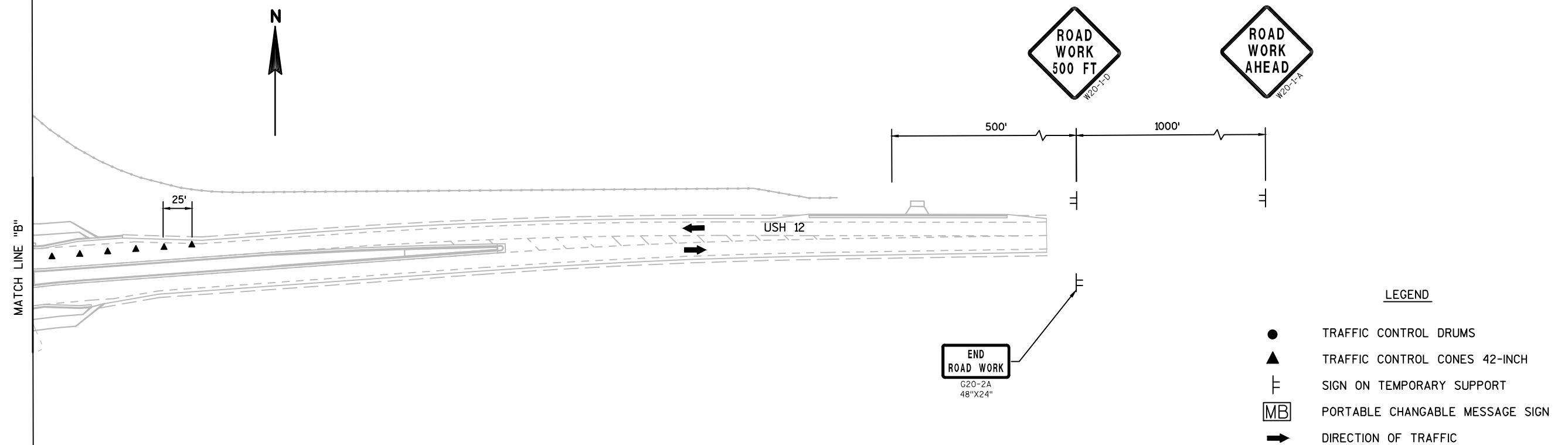
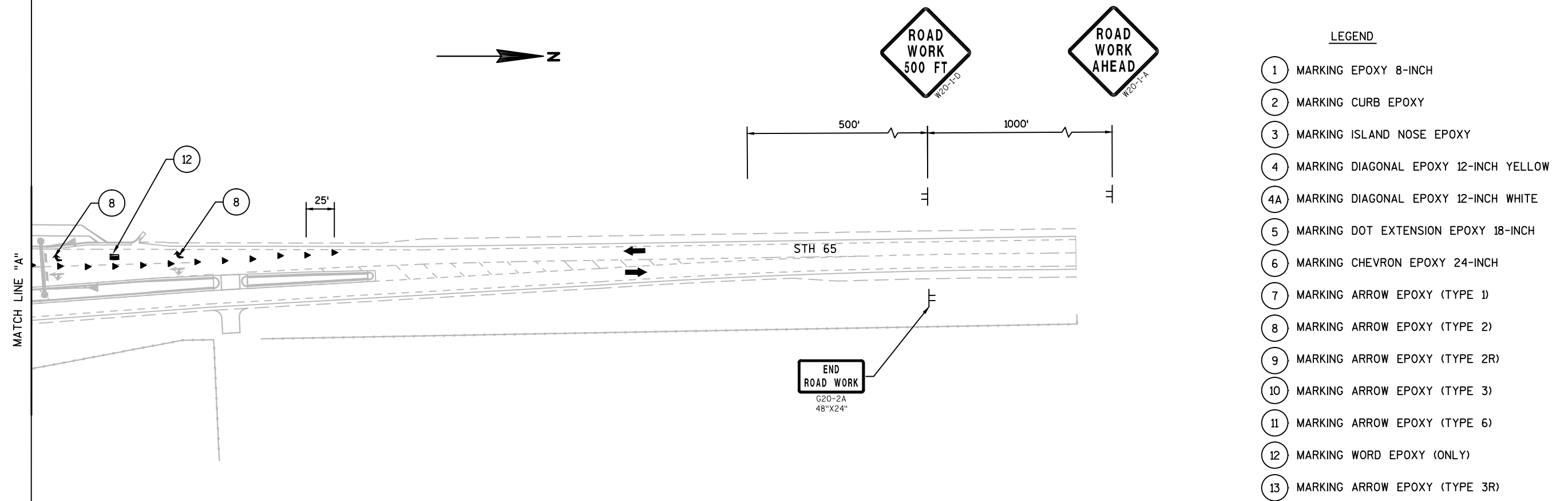


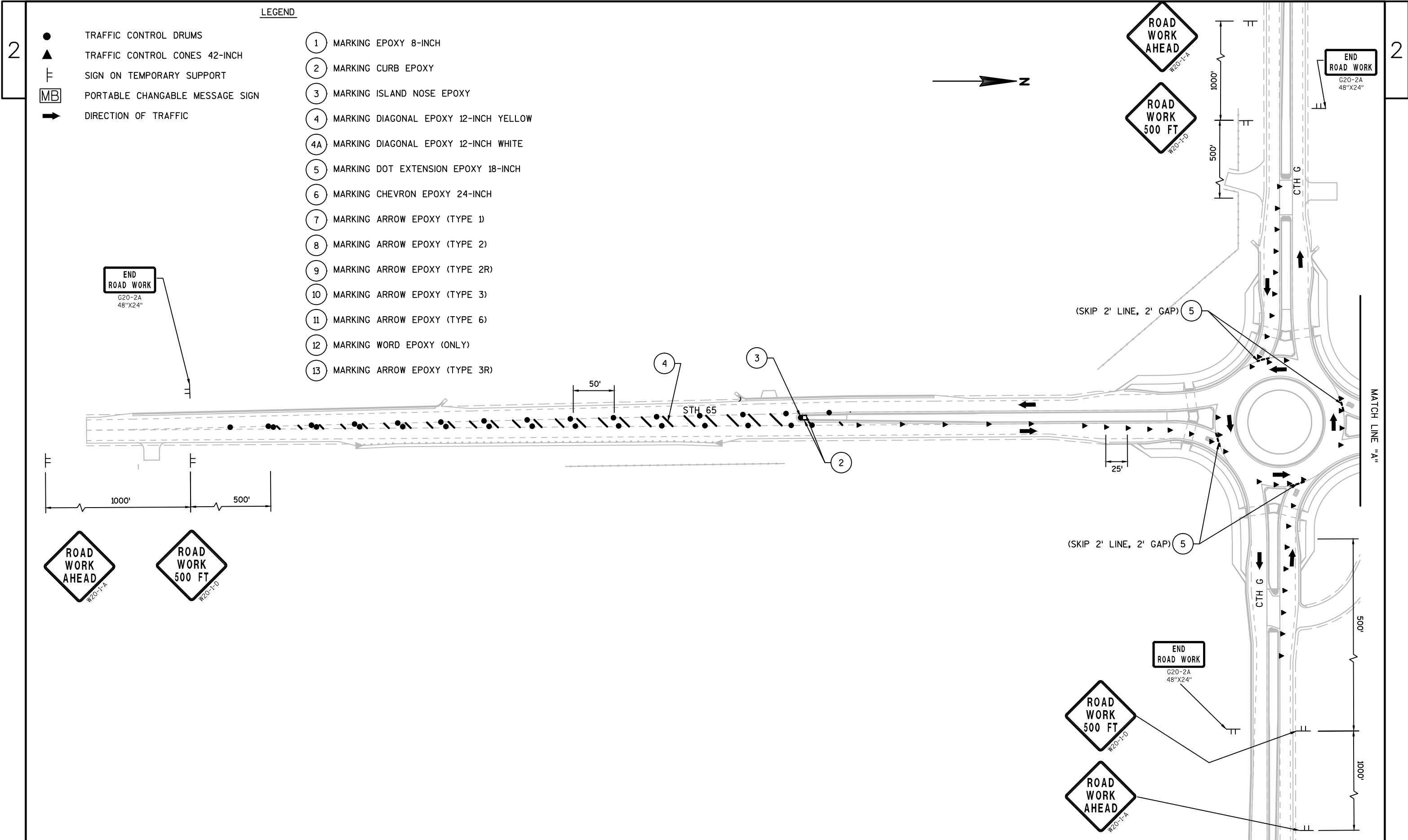
- LEGEND**
- ① MARKING EPOXY 8-INCH
 - ② MARKING CURB EPOXY
 - ③ MARKING ISLAND NOSE EPOXY
 - ④ MARKING DIAGONAL EPOXY 12-INCH YELLOW
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 - ⑬ MARKING ARROW EPOXY (TYPE 3R)

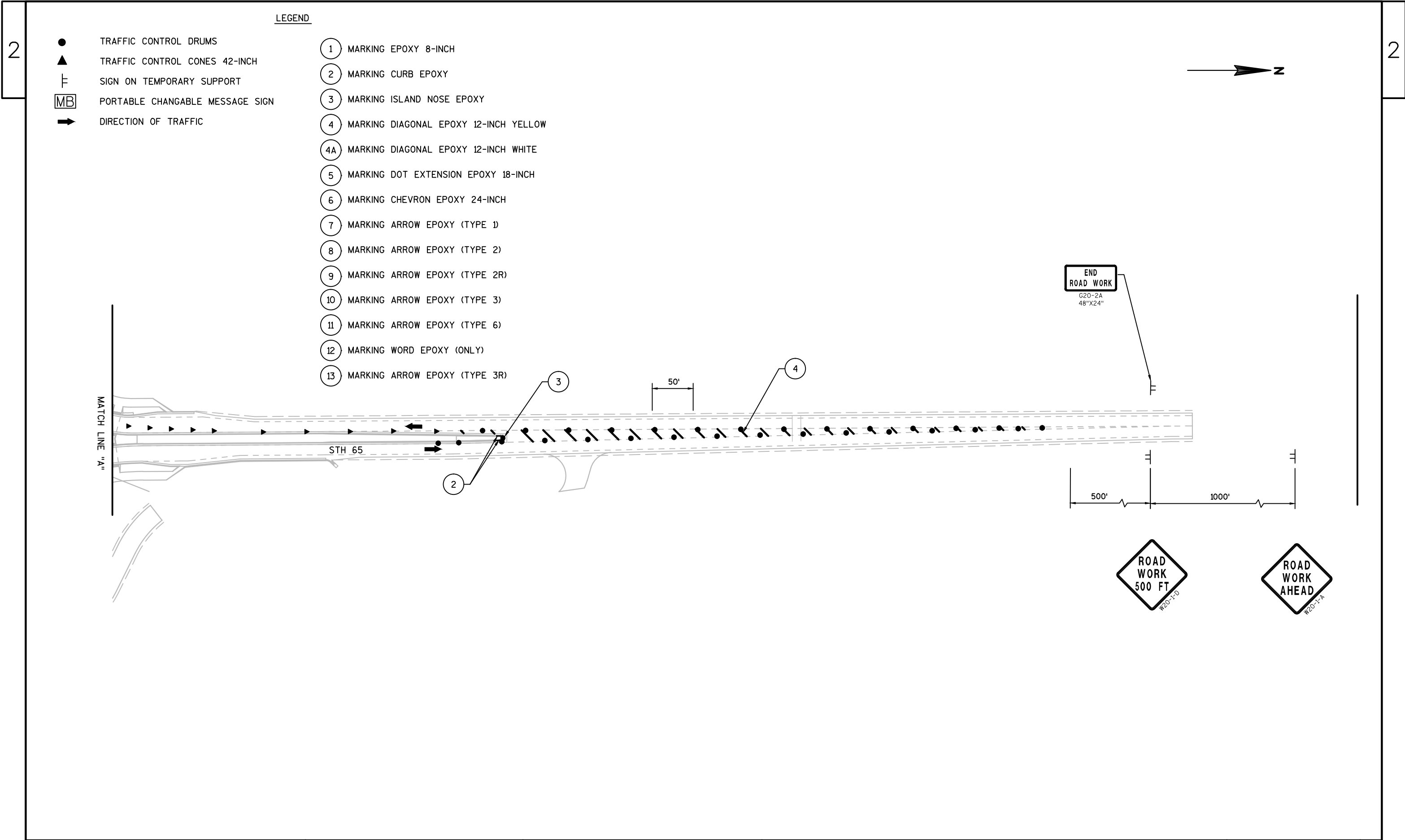


- LEGEND**
- TRAFFIC CONTROL DRUMS
 - ▲ TRAFFIC CONTROL CONES 42-INCH
 - ⊥ SIGN ON TEMPORARY SUPPORT
 - MB PORTABLE CHANGABLE MESSAGE SIGN
 - ➔ DIRECTION OF TRAFFIC









➔

z

MATCH LINE "A"

STH 65

50'

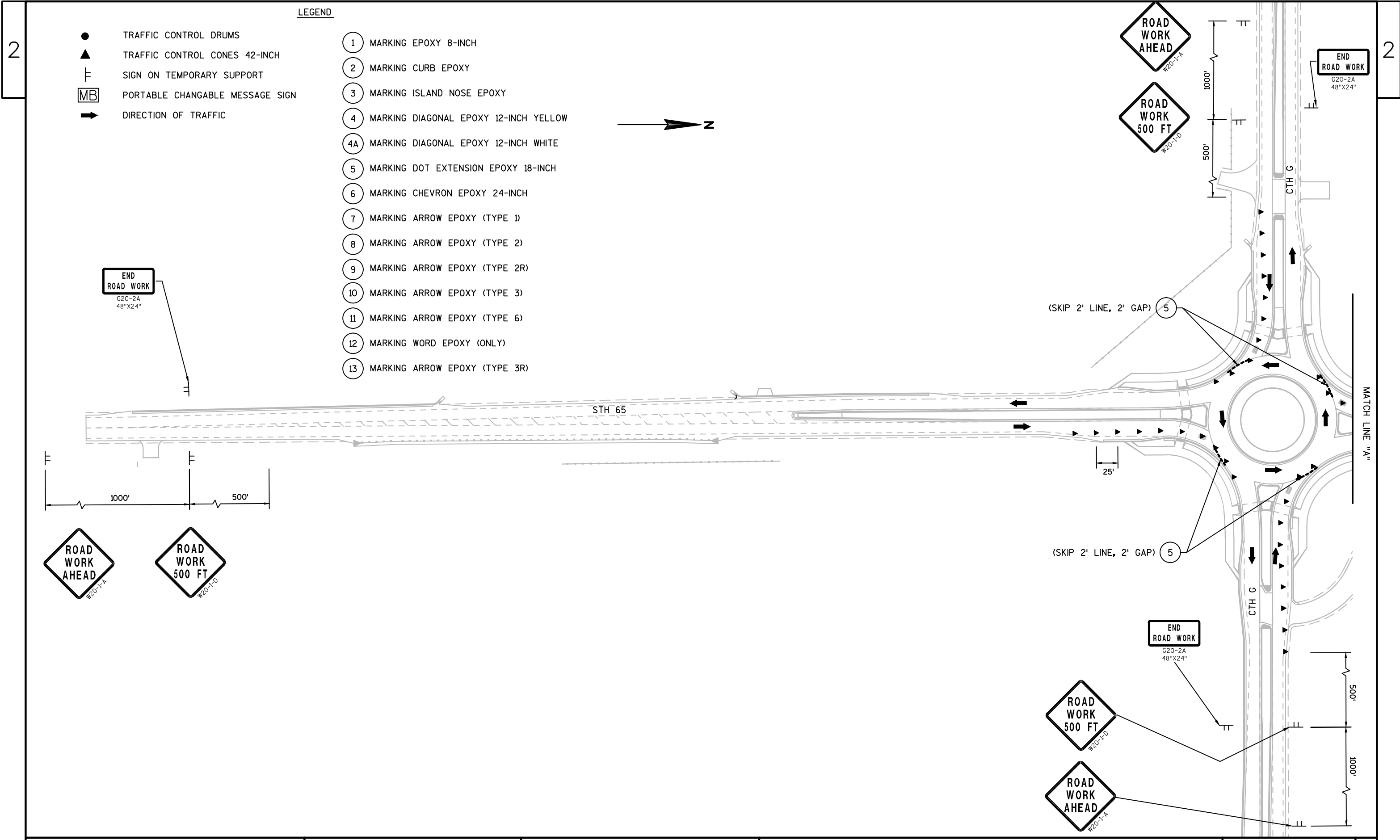
END ROAD WORK
G20-2A
48"X24"

500'

1000'

ROAD WORK
500 FT
W20-1-D

ROAD WORK
AHEAD
W20-1-A

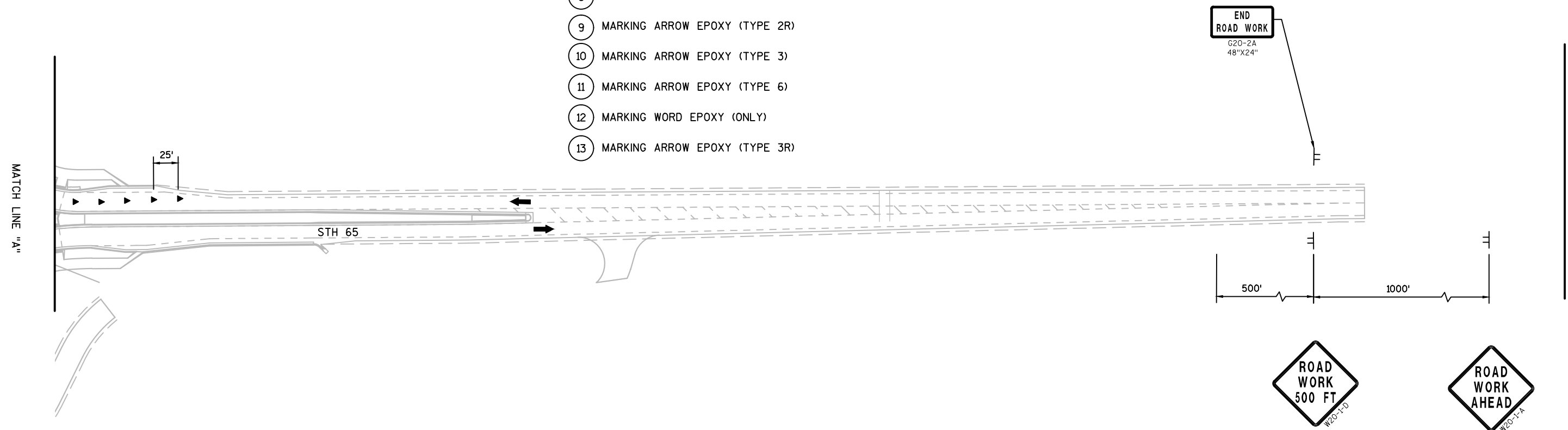


LEGEND

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- ▲ TRAFFIC CONTROL CONES 42-INCH
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- ⑪ MARKING ARROW EPOXY (TYPE 6)
- ⑫ MARKING WORD EPOXY (ONLY)
- ⑬ MARKING ARROW EPOXY (TYPE 3R)

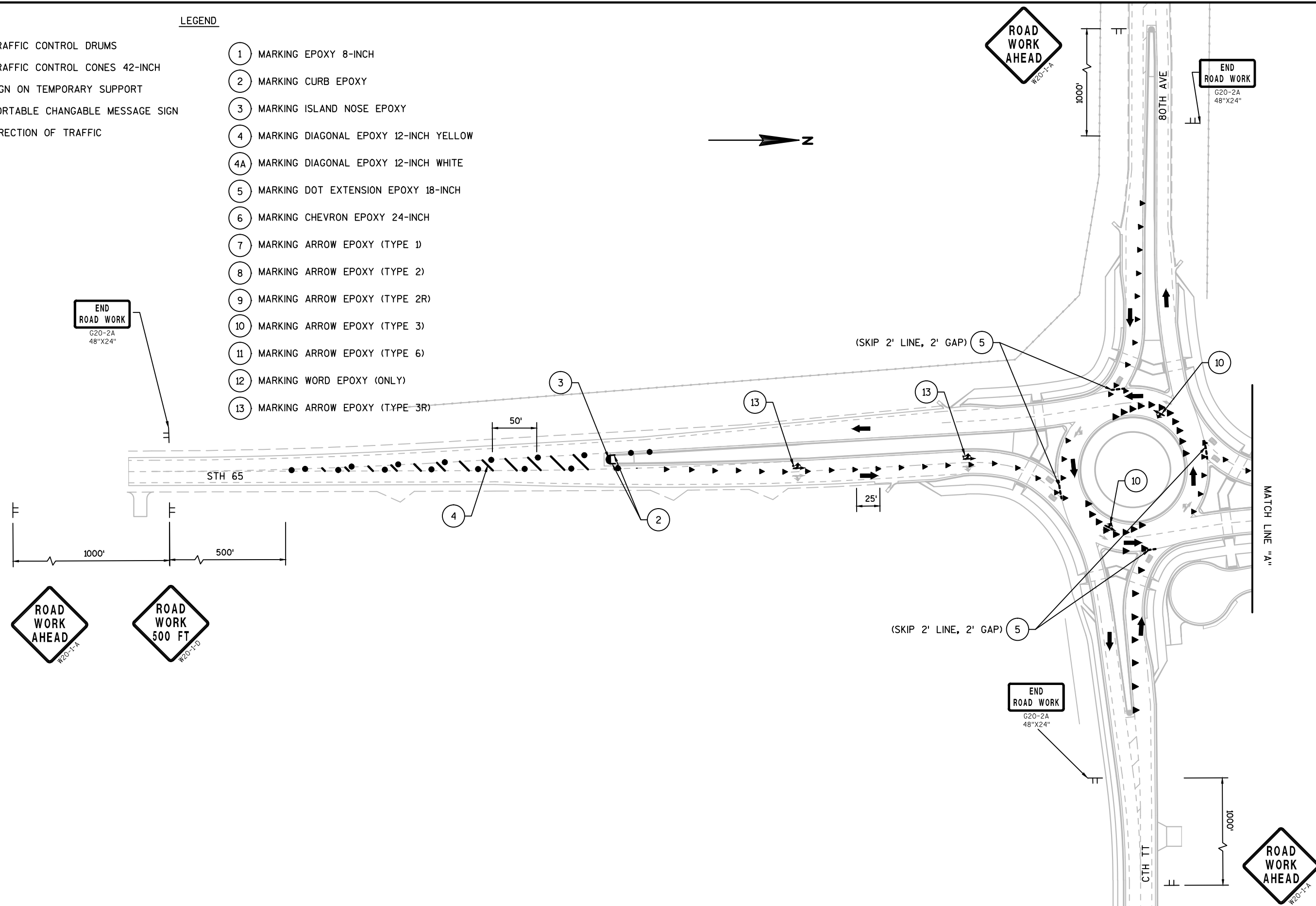
LEGEND

- | | | | |
|----|---------------------------------|----|---------------------------------------|
| ● | TRAFFIC CONTROL DRUMS | ① | MARKING EPOXY 8-INCH |
| ▲ | TRAFFIC CONTROL CONES 42-INCH | ② | MARKING CURB EPOXY |
| ⌋ | SIGN ON TEMPORARY SUPPORT | ③ | MARKING ISLAND NOSE EPOXY |
| MB | PORTABLE CHANGABLE MESSAGE SIGN | ④ | MARKING DIAGONAL EPOXY 12-INCH YELLOW |
| ➡ | DIRECTION OF TRAFFIC | ④A | MARKING DIAGONAL EPOXY 12-INCH WHITE |
| | | ⑤ | MARKING DOT EXTENSION EPOXY 18-INCH |
| | | ⑥ | MARKING CHEVRON EPOXY 24-INCH |
| | | ⑦ | MARKING ARROW EPOXY (TYPE 1) |
| | | ⑧ | MARKING ARROW EPOXY (TYPE 2) |
| | | ⑨ | MARKING ARROW EPOXY (TYPE 2R) |
| | | ⑩ | MARKING ARROW EPOXY (TYPE 3) |
| | | ⑪ | MARKING ARROW EPOXY (TYPE 6) |
| | | ⑫ | MARKING WORD EPOXY (ONLY) |
| | | ⑬ | MARKING ARROW EPOXY (TYPE 3R) |



LEGEND

- TRAFFIC CONTROL DRUMS
 - ▲ TRAFFIC CONTROL CONES 42-INCH
 - ⌄ SIGN ON TEMPORARY SUPPORT
 - MB PORTABLE CHANGABLE MESSAGE SIGN
 - ➔ DIRECTION OF TRAFFIC
- ① MARKING EPOXY 8-INCH
 - ② MARKING CURB EPOXY
 - ③ MARKING ISLAND NOSE EPOXY
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 - ⑦ MARKING ARROW EPOXY (TYPE 1)
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 - ⑨ MARKING ARROW EPOXY (TYPE 2R)
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 - ⑪ MARKING ARROW EPOXY (TYPE 6)
 - ⑫ MARKING WORD EPOXY (ONLY)
 - ⑬ MARKING ARROW EPOXY (TYPE 3R)



PROJECT NO: 1000-18-13

HWY: STH 65 & CTH TT

COUNTY: ST CROIX

TRAFFIC CONTROL - STAGE 1 (89A, 89B, 89C & 89D)

SHEET

E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-010\CIVIL3D\SHEETPLAN\TRAFFIC CONTROL\025011_TC_STH 65 & CTH TT_STAGE 1.DWG PLOT DATE : 1/30/2018 4:32 PM

PLOT BY : BRAD CUNNINGHAM

PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- TRAFFIC CONTROL DRUMS
- ▲

TRAFFIC CONTROL CONES 42-INCH
- ⊥

SIGN ON TEMPORARY SUPPORT
- MB

PORTABLE CHANGABLE MESSAGE SIGN
- ➔

DIRECTION OF TRAFFIC
- 1

MARKING EPOXY 8-INCH
- 2

MARKING CURB EPOXY
- 3

MARKING ISLAND NOSE EPOXY
- 4

MARKING DIAGONAL EPOXY 12-INCH YELLOW
- 4A

MARKING DIAGONAL EPOXY 12-INCH WHITE
- 5

MARKING DOT EXTENSION EPOXY 18-INCH
- 6

MARKING CHEVRON EPOXY 24-INCH
- 7

MARKING ARROW EPOXY (TYPE 1)
- 8

MARKING ARROW EPOXY (TYPE 2)
- 9

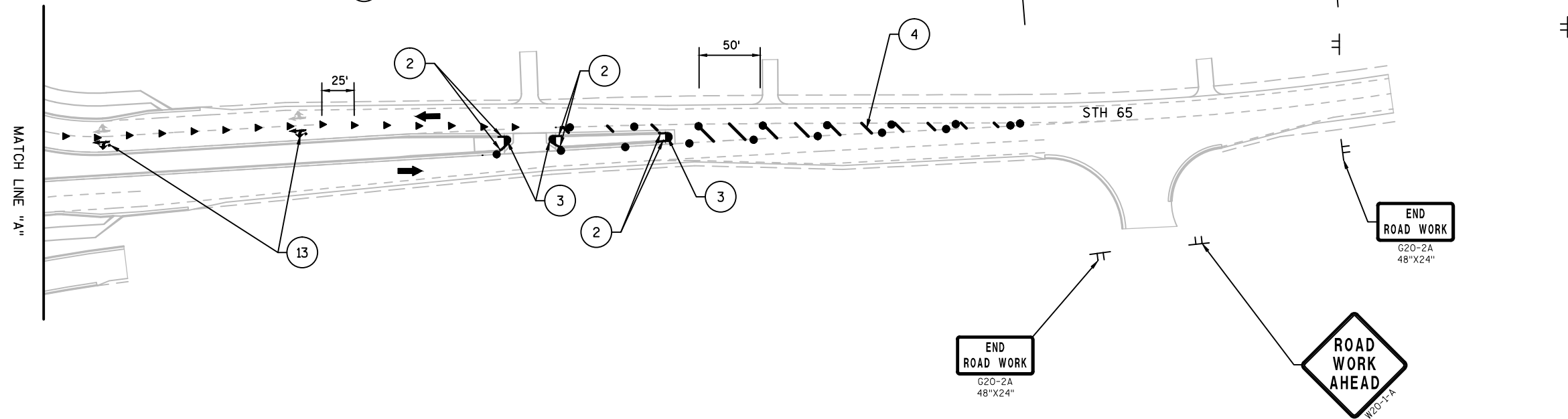
MARKING ARROW EPOXY (TYPE 2R)
- 10

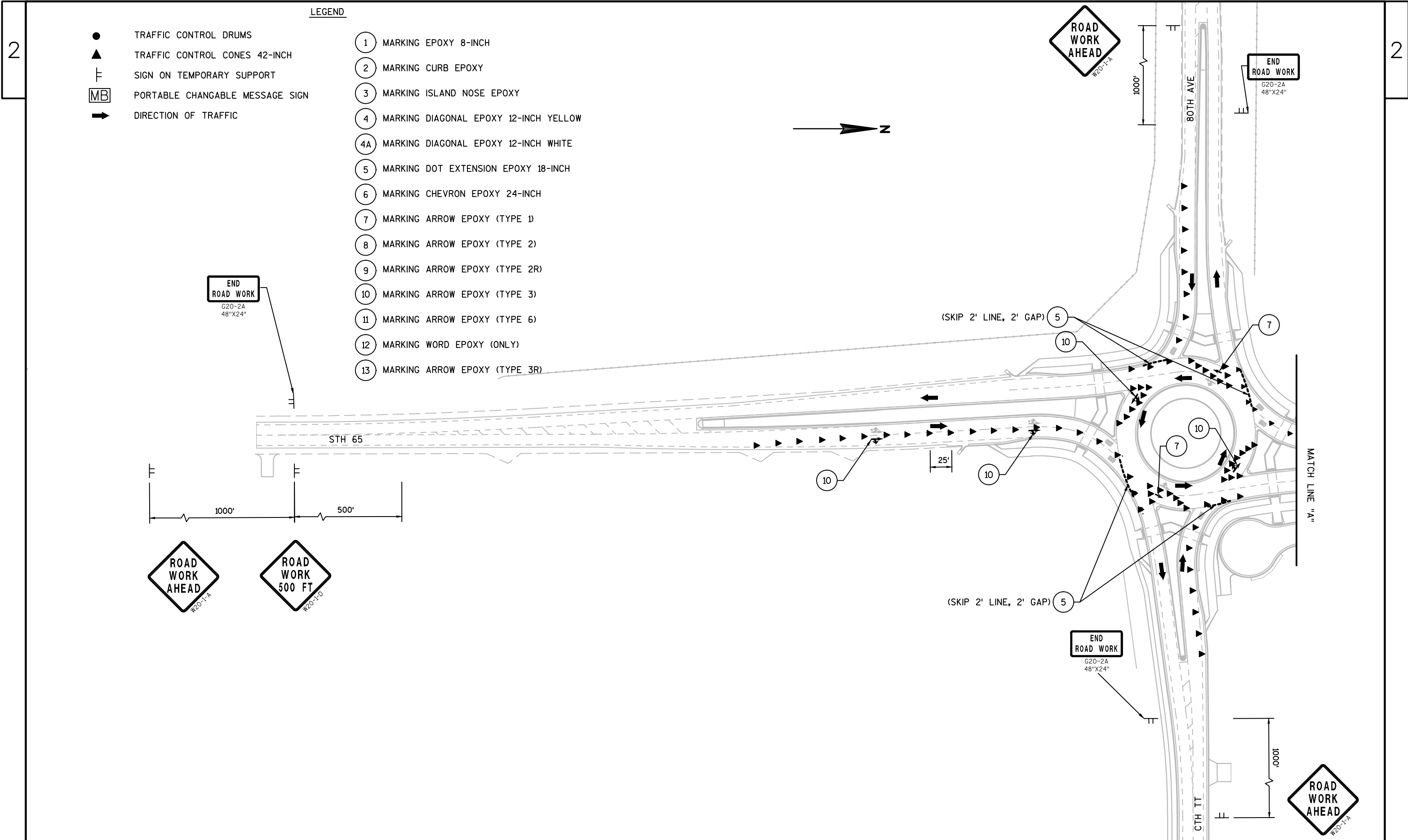
MARKING ARROW EPOXY (TYPE 3)
- 11

MARKING ARROW EPOXY (TYPE 6)
- 12

MARKING WORD EPOXY (ONLY)
- 13

MARKING ARROW EPOXY (TYPE 3R)





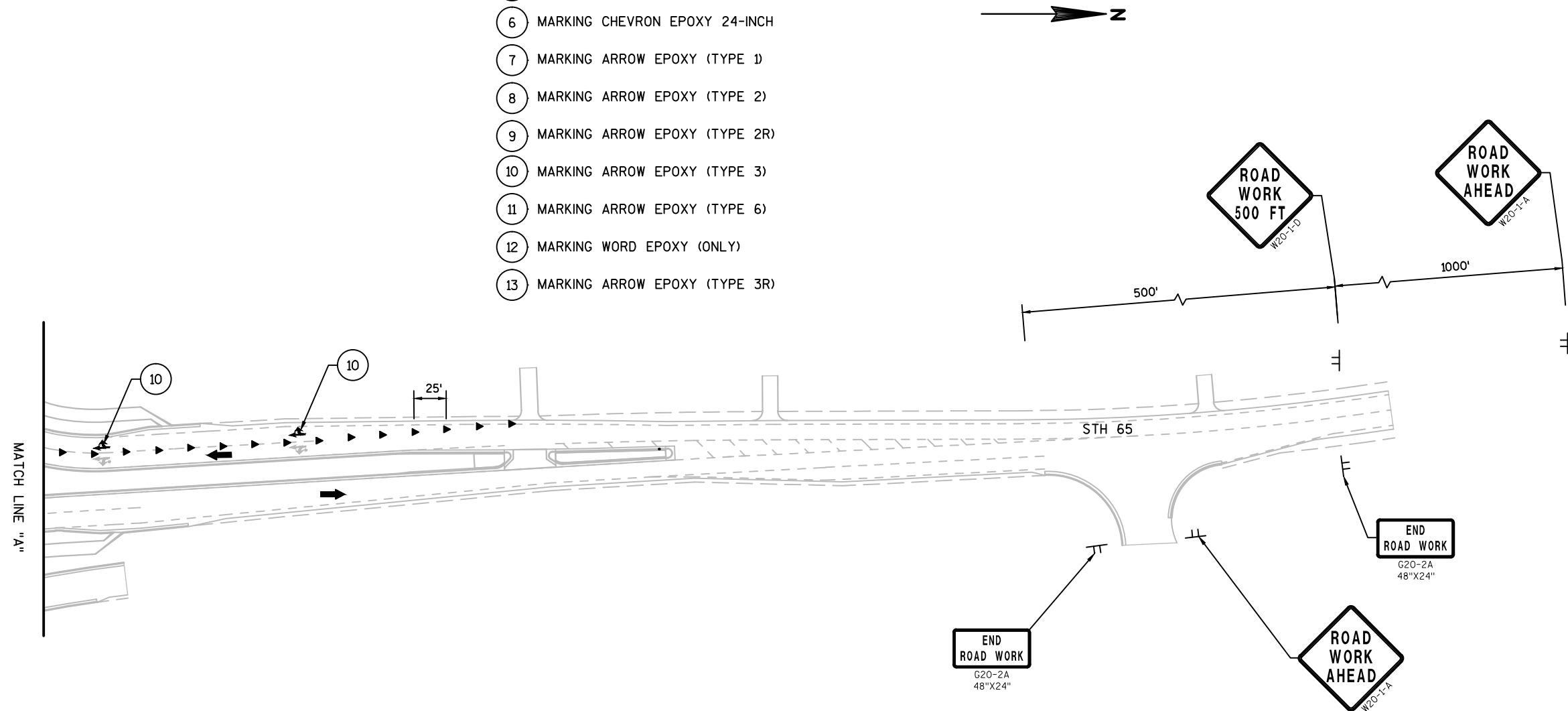
LEGEND

- TRAFFIC CONTROL DRUMS
- ▲ TRAFFIC CONTROL CONES 42-INCH
- ≡ SIGN ON TEMPORARY SUPPORT
- MB PORTABLE CHANGABLE MESSAGE SIGN
- ➔ DIRECTION OF TRAFFIC
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- 11 MARKING ARROW EPOXY (TYPE 6)
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- TRAFFIC CONTROL DRUMS
- ▲ TRAFFIC CONTROL CONES 42-INCH
- ⊥ SIGN ON TEMPORARY SUPPORT
- MB PORTABLE CHANGABLE MESSAGE SIGN
- ➔ DIRECTION OF TRAFFIC

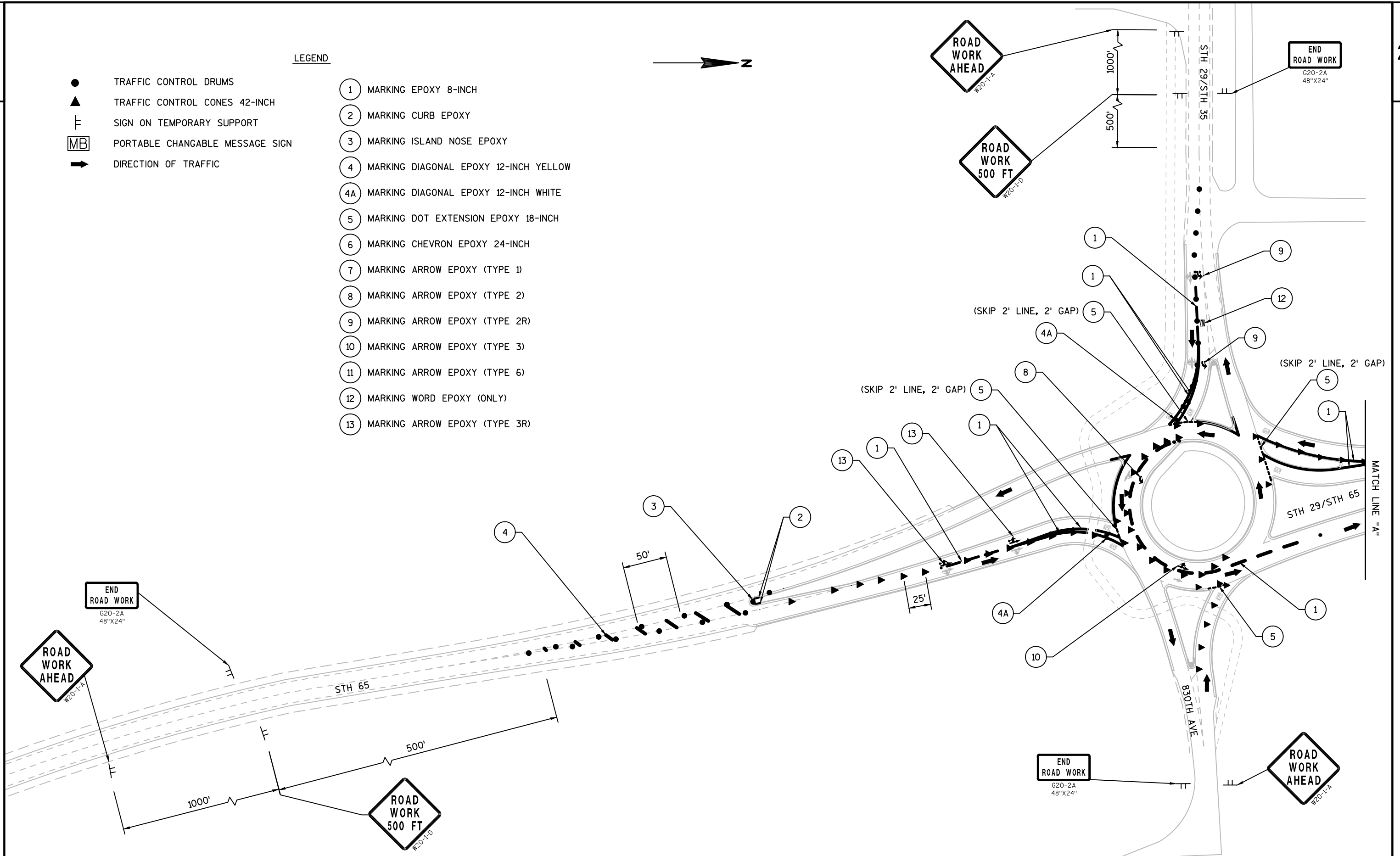
LEGEND

- ① MARKING EPOXY 8-INCH
- ② MARKING CURB EPOXY
- ③ MARKING ISLAND NOSE EPOXY
- ④ MARKING DIAGONAL EPOXY 12-INCH YELLOW
- ④A MARKING DIAGONAL EPOXY 12-INCH WHITE
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- ⑩ MARKING ARROW EPOXY (TYPE 3)
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- ⑫ MARKING WORD EPOXY (ONLY)
- ⑬ MARKING ARROW EPOXY (TYPE 3R)



LEGEND

- TRAFFIC CONTROL DRUMS
 - ▲ TRAFFIC CONTROL CONES 42-INCH
 - ⊥ SIGN ON TEMPORARY SUPPORT
 - MB PORTABLE CHANGABLE MESSAGE SIGN
 - ➔ DIRECTION OF TRAFFIC
- ① MARKING EPOXY 8-INCH
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 - ⑪ MARKING ARROW EPOXY (TYPE 6)
 - ⑫ MARKING WORD EPOXY (ONLY)
 - ⑬ MARKING ARROW EPOXY (TYPE 3R)



PROJECT NO: 1000-18-13

HWY: STH 65 & 830TH AVE

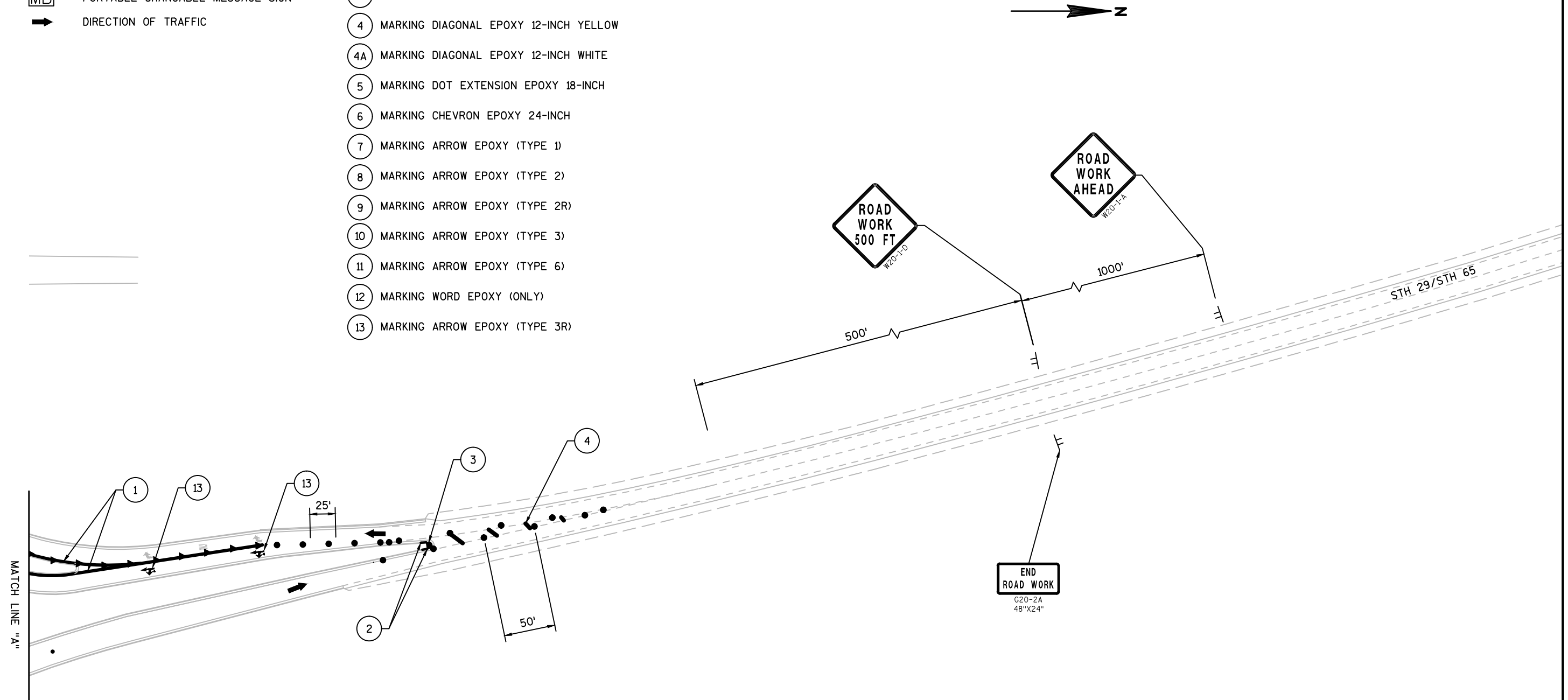
COUNTY: PIERCE

TRAFFIC CONTROL - STAGE 1 (31A, 31B, 31C & 31D)

SHEET

E

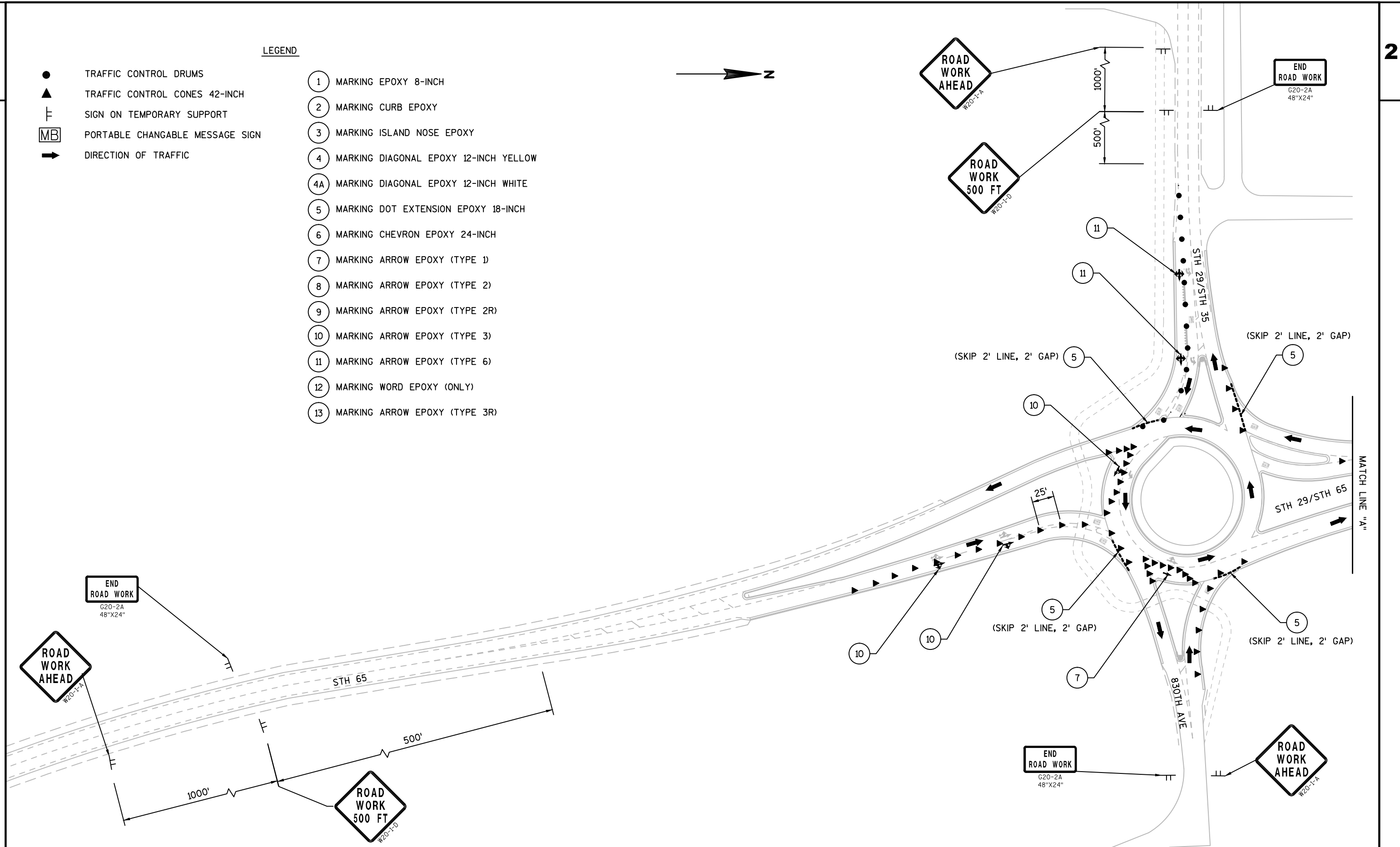
●	TRAFFIC CONTROL DRUMS	①	MARKING EPOXY 8-INCH
▲	TRAFFIC CONTROL CONES 42-INCH	②	MARKING CURB EPOXY
⌋	SIGN ON TEMPORARY SUPPORT	③	MARKING ISLAND NOSE EPOXY
MB	PORTABLE CHANGABLE MESSAGE SIGN	④	MARKING DIAGONAL EPOXY 12-INCH YELLOW
➡	DIRECTION OF TRAFFIC	④A	MARKING DIAGONAL EPOXY 12-INCH WHITE
		⑤	MARKING DOT EXTENSION EPOXY 18-INCH
		⑥	MARKING CHEVRON EPOXY 24-INCH
		⑦	MARKING ARROW EPOXY (TYPE 1)
		⑧	MARKING ARROW EPOXY (TYPE 2)
		⑨	MARKING ARROW EPOXY (TYPE 2R)
		⑩	MARKING ARROW EPOXY (TYPE 3)
		⑪	MARKING ARROW EPOXY (TYPE 6)
		⑫	MARKING WORD EPOXY (ONLY)
		⑬	MARKING ARROW EPOXY (TYPE 3R)



- TRAFFIC CONTROL DRUMS
▲ TRAFFIC CONTROL CONES 42-INCH
⌄ SIGN ON TEMPORARY SUPPORT
MB PORTABLE CHANGABLE MESSAGE SIGN
➔ DIRECTION OF TRAFFIC

LEGEND

- ① MARKING EPOXY 8-INCH
② MARKING CURB EPOXY
③ MARKING ISLAND NOSE EPOXY
④ MARKING DIAGONAL EPOXY 12-INCH YELLOW
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⑪ MARKING ARROW EPOXY (TYPE 6)
⑫ MARKING WORD EPOXY (ONLY)
⑬ MARKING ARROW EPOXY (TYPE 3R)



PROJECT NO: 1000-18-13

HWY: STH 65 & 830TH AVE

COUNTY: PIERCE

TRAFFIC CONTROL - STAGE 2 (31A, 31B, 31C & 31D)

SHEET

E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-010\CIVIL3D\SHEETPLAN\TRAFFIC CONTROL\025011_TC-STH 65 & CEMETERY_STAGE 2.DWG PLOT DATE : 1/11/2018 2:24 PM
LAYOUT NAME - *****

PLOT BY : SCOTT DEMEUSE

PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- TRAFFIC CONTROL DRUMS
- ▲

TRAFFIC CONTROL CONES 42-INCH
- ┌

SIGN ON TEMPORARY SUPPORT
- MB

PORTABLE CHANGABLE MESSAGE SIGN
- ➔

DIRECTION OF TRAFFIC
- 1

MARKING EPOXY 8-INCH
- 2

MARKING CURB EPOXY
- 3

MARKING ISLAND NOSE EPOXY
- 4

MARKING DIAGONAL EPOXY 12-INCH YELLOW
- 4A

MARKING DIAGONAL EPOXY 12-INCH WHITE
- 5

MARKING DOT EXTENSION EPOXY 18-INCH
- 6

MARKING CHEVRON EPOXY 24-INCH
- 7

MARKING ARROW EPOXY (TYPE 1)
- 8

MARKING ARROW EPOXY (TYPE 2)
- 9

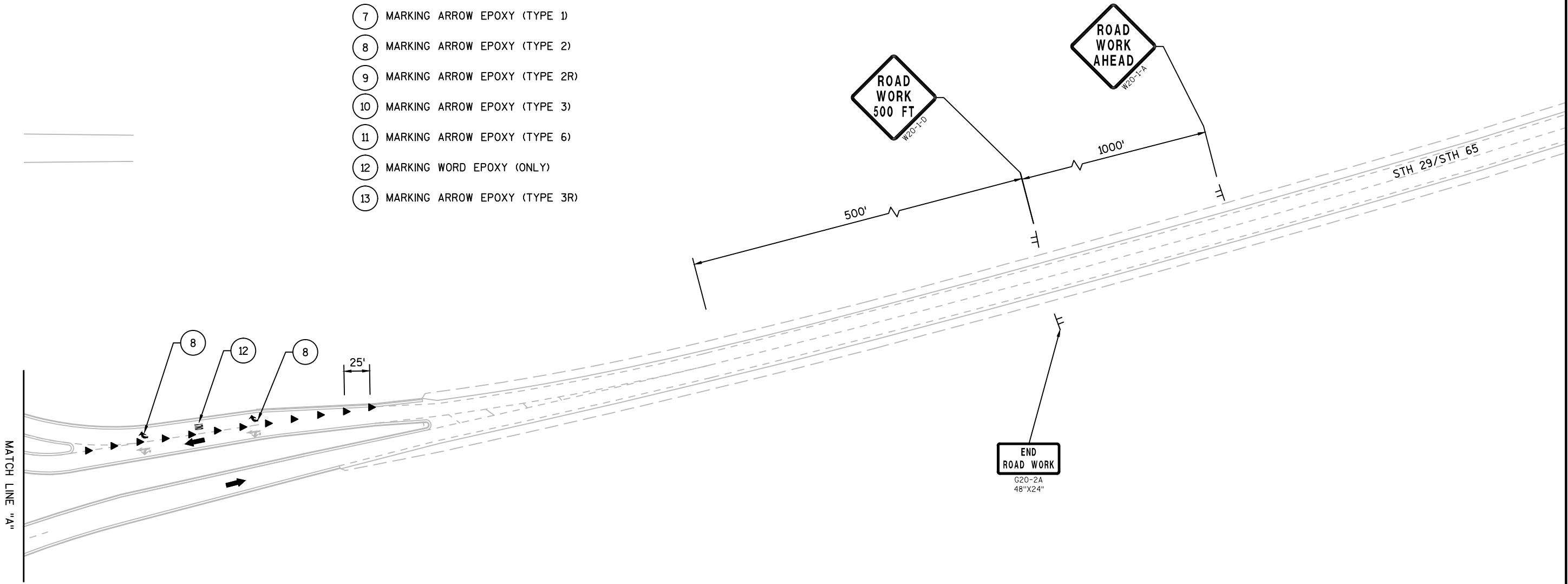
MARKING ARROW EPOXY (TYPE 2R)
- 10

MARKING ARROW EPOXY (TYPE 3)
- 11

MARKING ARROW EPOXY (TYPE 6)
- 12

MARKING WORD EPOXY (ONLY)
- 13

MARKING ARROW EPOXY (TYPE 3R)





Estimate Of Quantities

1000-18-13

Line	Item	Item Description	Unit	Total	Qty
0002	619.1000	Mobilization	EACH	1.000	1.000
0004	643.0300	Traffic Control Drums	DAY	400.000	400.000
0006	643.0900	Traffic Control Signs	DAY	100.000	100.000
0008	643.1050	Traffic Control Signs PCMS	DAY	9.000	9.000
0010	643.1070	Traffic Control Cones 42-Inch	DAY	600.000	600.000
0012	643.5000	Traffic Control	EACH	1.000	1.000
0014	646.1020	Marking Line Epoxy 4-Inch	LF	3,390,418.000	3,390,418.000
0016	646.3020	Marking Line Epoxy 8-Inch	LF	44,808.000	44,808.000
0018	646.5020	Marking Arrow Epoxy	EACH	132.000	132.000
0020	646.5120	Marking Word Epoxy	EACH	23.000	23.000
0022	646.5320	Marking Railroad Crossings Epoxy	EACH	21.000	21.000
0024	646.5420	Marking Aerial Enforcement Bar Epoxy	EACH	22.000	22.000
0026	646.6120	Marking Stop Line Epoxy 18-Inch	LF	1,080.000	1,080.000
0028	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	12.000	12.000
0030	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	648.000	648.000
0032	646.7120	Marking Diagonal Epoxy 12-Inch	LF	5,024.000	5,024.000
0034	646.7220	Marking Chevron Epoxy 24-Inch	LF	523.000	523.000
0036	646.8120	Marking Curb Epoxy	LF	780.000	780.000
0038	646.8220	Marking Island Nose Epoxy	EACH	24.000	24.000
0040	646.9000	Marking Removal Line 4-Inch	LF	15,652.000	15,652.000
0042	646.9200	Marking Removal Line Wide	LF	478.000	478.000
0044	646.9300	Marking Removal Special Marking	EACH	48.000	48.000

PAVEMENT MARKING (LONGLINE MARKINGS) "CONTINUED ONTO NEXT PAGE"						**643.1050	646.1020		**646.3020		646.9000
MAP REF#	MILES	COUNTY	HWY	BEGIN	END	TRAFFIC CONTROL	MARKING LINE		MARKING LINE		MARKING
						SIGNS PCMS DAY	EPOXY YELLOW LF	4-INCH WHITE LF	EPOXY 8-INCH WHITE LF	YELLOW LF	REMOVAL LINE 4-INCH LF
801	1.1	ASHLAND	USH 2	FIFTEENTH AVE / ASHLAND	29TH AVE / ASHLAND / END OF ASPHALT	----	12,336	13,769	115	----	----
802	7.4	ASHLAND	STH 112	STH 13	STH 118 WEST	----	27,665	76,575	----	----	----
803	6.1	BAYFIELD	USH 2	CTH E SOUTH	USH 63 SOUTH	----	39,926	64,449	1,315	----	----
804	0.5	BAYFIELD	USH 2	STH 13 RAB / 700' WEST OF CONCRETE / ON WEST SIDE DO NOT PAINT 8" CONTRAST TAPE	END OF CONCRETE / ON EAST SIDE	----	6,525	6,048	----	----	----
805	0.3	BAYFIELD	STH 13	USH 2 RAB / OFF RAMP TO STH 13 NORTH	END OF CONCRETE / ON NORTH SIDE	----	900	651	----	50	----
806	3.3	BAYFIELD	STH 13	SEVENTH ST / BAYFIELD	BERSETT HILL ST / RED CLIFF	----	28,515	22,582	55	----	----
806A	1.6	BAYFIELD	STH 13	NORTH END OF RED CLIFF (END OF CURB & GUTTER)	200' SOUTH OF OLD CTH K	----	15,940	17,020	305	----	----
807	9.8	DOUGLAS	STH 27	BAYFIELD / DOUGLAS CO LINE	RUSH LAKE RD	----	38,242	102,054	200	----	----
808	3.9	DOUGLAS	USH 53 SB ONLY	1425' SOUTH OF SNOWBERRY RD DO NOT PAINT TAPE LANE LINES & TURN LANES	1375' SOUTH OF S ANTLER INN RD	----	20,280	20,334	----	----	----
809	20.6	WASHBURN	USH 53 NB & SB	26 TH AVE / ASPHALT DO NOT PAINT TAPE LANE LINES & GORES ON CONCRETE AT CTH V / EXIT 150 & CTH B INCL: 4 RAMPS AT CTH V / EXIT 150 CTH B J TURN 4 RAMPS AT STH 70/ EXIT 165 4 RAMPS AT USH 63	MILE POST 169 / CTH A	----	229,024	275,911	20,442	----	----
810	1.9	BARRON	STH 25	USH 8 / BARRON	2500' NORTH OF 15TH ST	----	7,807	17,711	540	----	----
811	0.4	BURNETT	STH 35	STH 77 EAST / 1200' ON EACH SIDE OF INTERSECTION		----	7,952	4,513	745	----	----
812	5.7	BURNETT	STH 77	265' WEST OF BEAR LAKE RD / DEERE LAKE RD	320' EAST OF BURNETT / WASNBURN CO LINE	----	41,631	58,574	555	----	----
814	12.5	BURNETT & POLK	STH 48	STH 87 SOUTH	STH 35 / FREDERIC	----	103,791	126,777	----	----	----
815	18.6	WASHBURN & SAWYER	STH 48	100' WEST OF W PARK AVE / BIRCHWOOD	STH 40	----	136,498	186,594	----	----	----
SUBTOTALS						0	717,032	993,562	24,272	50	0
* ADDITIONAL QUANTITIES SHOWN IN "PAVEMENT MARKING SUMMARY (SPECIAL MARKINGS)"											
** ADDITIONAL QUANTITIES SHOWN IN "TRAFFIC CONTROL											

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PAVEMENT MARKING (LONGLINE MARKINGS) "CONTINUED ONTO NEXT PAGE"												
MAP REF#	MILES	COUNTY	HWY	BEGIN	END	*643.1050	646.1020		**646.3020		646.9000	
						TRAFFIC CONTROL	MARKING LINE		MARKING LINE		MARKING	
						SIGNS PCMS DAY	EPOXY YELLOW LF	4-INCH WHITE LF	EPOXY 8-INCH WHITE LF	YELLOW LF	4-INCH REMOVAL LINE LF	
601	3.0	DUNN	I 94 EB & WB	CONCRETE AT MILE POST 41 DO NOT PAINT TAPE LANE LINES & GORES INCL: 4 RAMPS AT STH 25 / EXIT 41 INCL: REST AREA GORES IF EPOXY / NO PAINT INSIDE OF REST AREA	520' EAST OF MILE POST 44 / ASPHALT	2	36,845	34,225	5,399	----	----	
602	6.0	DUNN	STH 170	CTH D	STH 40 / COLFAX	----	47,796	62,022	40	----	----	
603	12.3	DUNN & CHIPP	STH 40	DUNN / CHIPPEWA CO LINE	YORK ST / BLOOMER		81,320	128,167	485	----	----	
604	POINT	CHIPPEWA	STH 124 NB	BUSINESS 53 SOUTH INTERSECTION / LAKE HALLIE	SEE DRAWING	----	----	----	42	----	38	
605	1.9	CHIPPEWA	STH 27	STH 64 WEST / CORNELL	520' NORTH OF STH 64 EAST / EAST OF CORNELL	----	13,592	15,656	502	----	----	
606	9.8	CHIPPEWA	STH 64	1480' EAST OF 180TH ST	STH 27 SOUTH / CORNELL	----	81,171	98,732	165	----	----	
606A	5.3	CHIPPEWA	USH 53 SB ONLY	750' NORTH OF MILE POST 114 NO GORES OR RAMPS AT EXIT 118/CTH M	BARRON/CHIPPEWA CO LINE	----	28,256	34,123	46	----	----	
607	0.3	TAYLOR	STH 13	CTH O / SOUTH END OF MEDFORD	MEDFORD CITY LIMITS / START OF CURB & GUTTER	----	3,212	3,089	484	----	----	
608	4.8	TAYLOR	STH 102	STH 13	CTH D / RIB LAKE	----	29,347	49,383	62	----	----	
609	1.0	JACKSON	USH 12	100' NORTH OF MERRILL ST / MERRILLAN	70' SOUTH OF CASTLEHILL RD / SOUTH OF MERRILLAN	----	7,715	7,372	32	----	----	
610	1.0	JACKSON	USH 12	250' WEST OF RUF RD / BLACK RIVER FALLS NO RAMPS TO I 94	EAST ADAMS ST / BLACK RIVER FALLS	----	10,563	7,378	388	----	----	
611	15.0	JACKSON	USH 12	HICKORY ST / BLACK RIVER FALLS	JACKSON / MONROE CO LINE	----	58,380	156,196	350	----	----	
612	5.4	JACKSON	I 94 EB & WB	475' EAST OF MILEPOST 113 / END OF CONCRETE INCL RAMPS: USH 12 / STH 27 / EXIT 115	EAST END OF BLACK RIVER BRIDGE	2	35,276	40,821	2,197	----	----	
613	1.3	ST CROIX	USH 12	1060' WEST OF STH 65 SOUTH RAB DO NOT PAINT LLTHERMOPLASTIC OR CONTRAST TAPE	950' EAST OF STH 65 NORTH RAB	----	18,296	13,081	716	----	----	
614	0.6	ST CROIX	STH 65	370' SOUTH OF STAR LN	70TH AVE INTERSECTION	----	6,729	5,142	3,536	107	----	
615	0.1	BUFFALO	STH 25	OFF RAMP AT STH 35 WEST / NORTH OF NELSON		----	381	950	676	----	----	
616	13.8	PIERCE	STH 35	PEPIN / PIERCE CO LINE INCL: ON RAMP FROM USH 63 N	USH 63	----	100,363	131,530	1,304	----	----	
616A	3.2	PIERCE	STH 35	950' SOUTH OF 1200TH AVE /SOUTH OF PRESCOTT	WACOTA ST /PRESCOTT	----	29,229	33,835	95	----	----	
617	0.5	TREMPEALEAU	USH 53	PARK AVE / OSSEO	USH 10 EAST / OSSEO	----	4,024	----	160	----	----	
618	5.0	TREMPEALEAU	USH 53	425' NORTH OF STH 95 WEST NORTH OF BLAIR	RICHTER RD / WHITEHALL	----	33,183	52,618	----	----	----	
619	1.1	TREMPEALEAU	USH 53	W RIDGE AVE / GALESVILLE	370' NORTH OF PRAIRIE RIDGE AVE / GALESVILLE	----	12,492	4,231	770	----	----	
620	4.7	BUFFALO	STH 35	TREMPEALEAU / BUFFALO CO LINE	2600' NORTH OF STH 54 WEST	----	16,976	48,590	1,174	----	----	
621	4.7	CLARK	STHH 98	STH 73	HELM ST / LOYAL	----	28,550	47,695	465	----		
SUBTOTALS						4	683,696	974,836	19,088	107	38	
* ADDITIONAL QUANTITIES SHOWN IN "TRAFFIC CONTROL" FROM PREVIOUS PAGE						0	717032	993562	24272	50	0	
** ADDITIONAL QUANTITIES SHOWN IN "TRAFFIC CONTROL" SUBTOTAL						4	1,400,728	1,968,398	43,360	157	38	

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PAVEMENT MARKING (LONGLINE MARKINGS) "CONTINUED ONTO NEXT PAGE"						*643.1050	646.1020	**646.3020	646.9000
MAP REF#	MILES	COUNTY	HWY	BEGIN	END	TRAFFIC CONTROL	MARKING LINE	MARKING LINE	MARKING
						SIGNS	EPOXY 4-INCH	EPOXY 8-INCH	REMOVAL LINE
						PCMS	YELLOW	WHITE	
						DAY	LF	LF	4-INCH
NPZ 1	19.2	BUFFALO	STH 88	STH 35	CTH U	----	9,343	----	----
				CENTERLINE EXTENSIONS .16 TO .21 / 28 TOUCHES					
NPZ 1R	POINT	BUFFALO	STH 88	800' SOUTH OF STH 121 EAST / GILMANTON		----	----	----	195
		TRAVELING NB		CENTERLINE REMOVAL / 1 TOUCH					
NPZ 2R	POINT	BUFFALO	STH 37	250' NORTH OF CTH J		----	----	----	100
		TRAVELING NB		CENTERLINE REMOVAL / 1 TOUCH					
NPZ 3R	POINT	BUFFALO	STH 35	1.9 MILES NORTH OF STH 88 NORTH / 800' SOUTH OF PRAIRIE MOON RD		----	----	----	100
		TRAVELING NB		CENTERLINE REMOVAL / 1 TOUCH					
NPZ 4R	POINT	BUFFALO	STH 35	2115' NORTH OF RIVERVIEW DR / ALMA		----	----	----	130
		TRAVELING NB		CENTERLINE REMOVAL / 1 TOUCH					
NPZ 2	9.1	DUNN	STH 79	USH 12 WEST OF MENOMONIE	STH 170 EAST / BOYCEVILLE	----	4,962	----	----
				CENTERLINE EXTENSIONS .16 TO .21 / 14 TOUCHES					
NPZ 5R	2.4	DUNN	STH 79	USH 12 WEST OF MENOMONIE	150' NORTH OF 770TH AVE	----	----	----	348
		TRAVELING NB		CENTERLINE REMOVALS / 2 TOUCHES					
NPZ 6R	0.4	DUNN	STH 85	194TH AVE / CARYVILLE	1700' EAST OF CTH H NORTH	----	----	----	492
		TRAVELING EB		CENTERLINE REMOVALS / 2 TOUCHES					
NPZ 7R	16.0	DUNN	STH 170	CTH Q NORTH / DOWNING	700TH ST	----	----	----	908
		TRAVELING EB		CENTERLINE REMOVALS / 4 TOUCHES					
NPZ 3	10.2	RUSK	STH 40	320' NORTH OF BECKEY CREEK	RUSK / SAWYER CO LINE	----	3,511	----	----
				CENTERLINE EXTENSIONS .16 TO .21 / 11 TOUCHES					
NPZ 8R	1.0	RUSK	STH 40	NORTH STAR RD	RUSK / SAWYER CO LINE	----	----	----	1,178
		TRAVELING NB		CENTERLINE REMOVALS / 3 TOUCHES					
NPZ 4	9.8	SAWYER	STH 40	RUSK / SAWYER CO LINE	STH 27 NORTH 7 STH 70 EAST / RADISSON	----	3,476	----	----
				CENTERLINE EXTENSIONS .16 TO .21 / 18 TOUCHES					
NPZ 9R	23.4	JACKSON	STH 54	3326' EAST OF HIGHLAND RD	CITY POINT - AT JCT CTH ZZ SIGN	----	----	----	729
		TRAVELING EB		CENTERLINE REMOVALS / 11 TOUCHES					
NPZ 10R	7.2	EAU CLAIRE	USH 53	2165' NORTH OF EAU CLAIRE / TREMPPEALEAU CO LINE	1060' NORTH OF MICHELS RD	----	----	----	118
		TRAVELING NB		CENTERLINE REMOVALS / 2 TOUCHES					
NPZ 11R	7.1	EAU CLAIRE	USH 12	845' EAST OF HIAWATHA RD / EAST OF FALL CREEK	100' EAST OF BARTIG RD / AUGUSTA	----	----	----	181
		TRAVELING EB		CENTERLINE REMOVALS / 5 TOUCHES					
NPZ 12R	POINT	BARRON	STH 48	AT 22ND 1/2 AVE / JCT OF STH 48 & USH 63 SOUTH		----	----	----	147
		TRAVELING EB		CENTERLINE REMOVAL / 1 TOUCH					
NPZ 13R	POINT	BURNETT	STH 77	225' EAST OF RED SCHOOL RD		----	----	----	63
		TRAVELING EB		CENTERLINE REMOVAL / 1 TOUCH					
* ADDITIONAL QUANTITIES SHOWN IN "TRAFFIC CONTROL"						0	21,292	0	4,689
** ADDITIONAL QUANTITIES SHOWN IN "PAVEMENT MARKING SUMMARY (SPECIAL MARKINGS)"						4	1,400,728	1,968,398	38
SUBTOTALS						4	1,422,020	1,968,398	4,727
FROM PREVIOUS PAGE									
SUBTOTAL									

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PAVEMENT MARKING (LONGLINE MARKINGS) "CONTINUED ONTO NEXT PAGE"						*643.1050	646.1020		**646.3020		646.9000
MAP						TRAFFIC CONTROL	MARKING LINE		MARKING LINE		MARKING
REF#	MILES	COUNTY	HWY	BEGIN	END	SIGNS	EPOXY 4-INCH		EPOXY 8-INCH		REMOVAL LINE
						PCMS	YELLOW	WHITE	WHITE	YELLOW	4-INCH
						DAY	LF	LF	LF	LF	LF
NPZ 14R	1.0	BURNETT	STH 35	CTH D	N BASS LAKE RD	----	----	----	----	----	1,000
		TRAVELING NB		CENTERLINE REMOVALS / 4 TOUCHES							
NPZ 15R	POINT	BURNETT	STH 35	3220' NORTH OF 26 LAKE RD		----	----	----	----	----	130
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH							
NPZ 16R	POINT	BURNETT	STH 35	3540' NORTH OF BIG ISLAND RD		----	----	----	----	----	40
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH							
NPZ 17R	POINT	BURNETT	STH 35	4650' NORTH OF SAINT CROIX TR. RD		----	----	----	----	----	140
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH							
NPZ 18R	POINT	BARRON	STH 25	1530' NORTH OF 17TH AVE		----	----	----	----	----	65
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH							
NPZ 19R	POINT	RUSK CO	STH 40	BETWEEN CHIPPEWA / RUSK CO LINE TO USH 8 BRUCE		----	----	----	----	----	167
		RUSK CO	STH 40	590' NORTH OF EAU CLAIRE AVE							
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH							
NPZ 20R	POINT	RUSK CO	STH 40	1657' NORTH OF EAU CLAIRE AVE		----	----	----	----	----	56
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH							
NPZ 21R	POINT	RUSK CO	STH 40	60' SOUTH OF OLD HIGHWAY D		----	----	----	----	----	427
		TRAVELING NB		CENTERLINE REMOVALS /1 TOUCH							
NPZ 22R	POINT	RUSK CO	STH 40	243' SOUTH OF CTH D		----	----	----	----	----	245
		TRAVELING NB		CENTERLINE REMOVALS /1 TOUCH							
NPZ 23R	POINT	RUSK CO	STH 40	665' NORTH OF KRAMER RD		----	----	----	----	----	47
		TRAVELING NB		CENTERLINE REMOVALS /1 TOUCH							
NPZ 24R	POINT	RUSK CO	STH 40	1588' NORTH OF S HUTCHINSON RD		----	----	----	----	----	454
		TRAVELING NB		CENTERLINE REMOVALS /1 TOUCH							
NPZ 25R	POINT	RUSK CO	STH 40	2447' NORTH OF S HUTCHINSON RD		----	----	----	----	----	207
		TRAVELING NB		CENTERLINE REMOVALS /1 TOUCH							
NPZ 26R	POINT	RUSK CO	STH 40	AT SOUTH SHORE RD		----	----	----	----	----	20
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH							
NPZ 27R	POINT	RUSK CO	STH 40	60' SOUTH OF GOLAT LN		----	----	----	----	----	17
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH							
NPZ 28R	POINT	RUSK CO	STH 40	300' NORTH OF MUSK-PYK KAMP RD / SOUTH INTERSECTION		----	----	----	----	----	75
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH							
NPZ 29R	POINT	RUSK CO	STH 40	3121' NORTH OF RIVER RD		----	----	----	----	----	77
		TRAVELING NB		CENTERLINE REMOVALS / 1 TOUCH							
NPZ 30R	POINT	RUSK CO	STH 40	658' SOUTH OF SAND HILL LN		----	----	----	----	----	1,060
		TRAVELING EB		CENTERLINE REMOVAL / 1 TOUCH							
* ADDITIONAL QUANTITIES SHOWN IN "TRAFFIC CONTROL"						0	0	0	0	0	4,227
** ADDITIONAL QUANTITIES SHOWN IN "PAVEMENT MARKING SUMMARY (SPECIAL MARKINGS)"						4	1,422,020	1,968,398	43,360	157	4,727
SUBTOTALS						4	1,422,020	1,968,398	43,360	157	8,954
SUBTOTAL											

PAVEMENT MARKING (LONGLINE MARKINGS)						*643.1050	646.1020		**646.3020		646.9000
MAP REF#	MILES	COUNTY	HWY	BEGIN	END	TRAFFIC CONTROL	MARKING LINE		MARKING LINE		MARKING
						SIGNS PCMS DAY	EPOXY 4-INCH YELLOW LF	WHITE LF	EPOXY 8-INCH WHITE LF	YELLOW LF	REMOVAL LINE 4-INCH LF
NPZ 31R	Point	Rusk Co Traveling NB	STH 40	455' North of Sand Hill Ln Centerline Removals / 1 Touch		----	----	----	----	----	776
NPZ 32R	Point	Polk Co Traveling EB	STH 48	725' East of Bass Lake Rd / East Jct Centerline Removals / 1 Touch		----	----	----	----	----	556
NPZ 33R	Point	Douglas Co Douglas Co Traveling EB	STH 13 STH 13	Between CTH P South to 6030' North of CTH U South & S Camp Amnicon Rd 1391' North of CTH P Centerline Removals / 1 Touch		----	----	----	----	----	150
NPZ 34R	Point	Douglas Co Traveling EB	STH 13	7135' North of CTH D Centerline Removals / 1 Touch		----	----	----	----	----	150
NPZ 35R	Point	Douglas Co Traveling EB	STH 13	641' North of Amnicon Rd, N & Anderson Rd, S Centerline Removals / 1 Touch		----	----	----	----	----	233
NPZ 36R	Point	Douglas Co Traveling EB	STH 13	1828' North of Amnicon Rd, N & Anderson Rd, S Centerline Removals / 1 Touch		----	----	----	----	----	113
NPZ 37R	Point	Douglas Co Traveling EB	STH 13	At Walsh Rd South Centerline Removals / 1 Touch		----	----	----	----	----	1,050
NPZ 38R	Point	Douglas Co Traveling EB	STH 13	At CTH U South & S Camp Amnicon Rd Centerline Removals / 1 Touch		----	----	----	----	----	853
NPZ 39R	Point	Douglas Co Traveling EB	STH 13	1642' North of CTH U South & S Camp Amnicon Rd Centerline Removals / 1 Touch		----	----	----	----	----	1,312
NPZ 40R	Point	Douglas Co Traveling EB	STH 13	2746' North of CTH U South & S Camp Amnicon Rd Centerline Removals / 1 Touch		----	----	----	----	----	1,415
NPZ 41R	Point	Douglas Co Traveling EB	STH 13	6030' North of CTH U South & S Camp Amnicon Rd Centerline Removals / 1 Touch		----	----	----	----	----	90
SUBTOTALS						0	0	0	0	0	6,698
* ADDITIONAL QUANTITIES SHOWN IN "TRAFFIC CONTROL"						4	1,422,020	1,968,398	43,360	157	8,954
** ADDITIONAL QUANTITIES SHOWN IN "PAVEMENT MARKING SUMMARY (SPECIAL MARKINGS)"							1,422,020	1,968,398	43,360	157	
TOTALS						4	3,390,418		43,517		15,652

PAVEMENT MARKING (SPECIAL MARKINGS) "CONTINUED ONTO NEXT PAGE"									
COUNTY	ASHLAND								
MAP REFERENCE	ASHLAND 12								
MAP REFERENCE HWY	USH 2								
MAP REFERENCE SITE ID	24TH AVE E - ASHLAND				24TH AVE E		USH 2	USH 2	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-R	RIGHT TURN LANE	EACH			2		2
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	TWLT L - TWO WAY LEFT TURN LANE	EACH			10		10
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.			103		103
MAP REFERENCE	ASHLAND 13								
MAP REFERENCE HWY	USH 2								
MAP REFERENCE SITE ID	26TH AVE E - ASHLAND				26TH AVE E		USH 2	USH 2	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	LEFT TURN LANE	EACH			1	1	2
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-R	RIGHT TURN LANE	EACH			2		2
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.			34	34	68
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.				77	77
COUNTY	BARRON								
MAP REFERENCE	BARRON 01								
MAP REFERENCE HWY	STH 25								
MAP REFERENCE SITE ID	E RIVER AVE - BARRON				STH 25	STH 25		E RIVER AVE	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5320	MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	1	1			2
MAP REFERENCE	BARRON 30B								
MAP REFERENCE HWY	STH 25								
MAP REFERENCE SITE ID	USH 8 - BARRON				STH 25	STH 25	USH 8	USH 8	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.		24			24
MAP REFERENCE	BARRON 64A								
MAP REFERENCE HWY	USH 53								
MAP REFERENCE SITE ID	EXIT 150, CTH V, HAUGEN				USH 53	USH 53	CTH V	CTH V	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	L.F.	90				90
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	OFF RAMP	L.F.	95				95
MAP REFERENCE	BARRON 64B								
MAP REFERENCE HWY	USH 53								
MAP REFERENCE SITE ID	EXIT 150, CTH V, HAUGEN				USH 53	USH 53	CTH V	CTH V	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	L.F.		95			95
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	OFF RAMP	L.F.		94			94
COUNTY	BUFFALO								
MAP REFERENCE	BUFFALO 04								
MAP REFERENCE HWY	STH 25								
MAP REFERENCE SITE ID	STH 35 - NORTH OF NELSON				STH 25	STH 25	STH 35	STH 25, STH 35	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.		34			34
646.6220	MARKING YIELD LINE EPOXY 18-INCH	SM-YIELD LINE	OFF RAMP	EACH	12				12
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-WHITE	SHOULDER	L.F.	36				36
MAP REFERENCE	BUFFALO 05A								
MAP REFERENCE HWY	STH 35								
MAP REFERENCE SITE ID	STH 54 W - WINONA DIKE				SYH 35, STH 54	STH 35	STH 54	SPUR LA	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.	41	42			83
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.	252	285			537
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	L.F.	29	45			74
MAP REFERENCE	BUFFALO 06								
MAP REFERENCE HWY	STH 35								
MAP REFERENCE SITE ID	DODGE - CTH P R X R CROSSING				STH 35	STH 35		CTH P	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5320	MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	1	1			2

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PAVEMENT MARKING (SPECIAL MARKINGS) "CONTINUED ONTO NEXT PAGE"									
MAP REFERENCE	BUFFALO 06								
MAP REFERENCE HWY	STH 35								
MAP REFERENCE SITE ID	DODGE - CTH P R X R CROSSING				STH 35	STH 35		CTH P	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5320	MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	1	1			2
COUNTY	BURNETT								
MAP REFERENCE	BURNETT 02A								
MAP REFERENCE HWY	STH 35								
MAP REFERENCE SITE ID	STH 77 EB INTERSECTION NORTH OF DANBURY				STH 35	STH 35		STH 35	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	LEFT TURN LANE	EACH		2			2
646.5120	MARKING WORD EPOXY	SM-ONLY	LEFT TURN LANE	EACH		2			2
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.	374	214			588
MAP REFERENCE	BURNETT 02B								
MAP REFERENCE HWY	STH 77								
MAP REFERENCE SITE ID	STH 35 NB INTERSECTION NORTH OF DANBURY				STH 35	STH 35		STH 77	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.				39	39
COUNTY	CHIPPEWA								
MAP REFERENCE	CHIPPEWA 01								
MAP REFERENCE HWY	STH 27								
MAP REFERENCE SITE ID	STH 64 - CORNELL				STH 27		STH 64	STH 27, STH 64	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.	33				33
MAP REFERENCE	CHIPPEWA 27								
MAP REFERENCE HWY	STH 64								
MAP REFERENCE SITE ID	STH 178 - CORNELL				STH 178	STH 64	STH 64		TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.			45		45
COUNTY	DOUGLAS								
MAP REFERENCE	DOUGLAS 05								
MAP REFERENCE HWY	STH 105								
MAP REFERENCE SITE ID	BUTLER RD - WEST OF SUPERIOR						STH 105	STH 105	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5320	MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH			2	2	4
MAP REFERENCE	DOUGLAS 13								
MAP REFERENCE HWY	USH 2								
MAP REFERENCE SITE ID	2500 FT EAST OF SUPERIOR REST AREA						USH 2	USH 2	TOTAL
BID ITEM #	DESCRIPTION	SMCode	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5420	MARKING, AERIAL ENFORCEMENT BARES EPOXY	SM-AERIAL BARS	SHOULDER	EACH			4		4
	MASTER TROOPER TROY STAGE 218-393-6770								
MAP REFERENCE	DOUGLAS 58								
MAP REFERENCE HWY	USH 2								
MAP REFERENCE SITE ID	650 FT EAST OF MILEPOST 227 (SOUTH OF WEIGH STATION)						USH 2	USH 2	TOTAL
BID ITEM #	DESCRIPTION	SMCode	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5420	MARKING, AERIAL ENFORCEMENT BARES EPOXY	SM-AERIAL BARS	SHOULDER	EACH				4	4
	MASTER TROOPER TROY STAGE 218-393-6770								
MAP REFERENCE	DOUGLAS 59								
MAP REFERENCE HWY	USH 2								
MAP REFERENCE SITE ID	750 FT EAST OF 22 Rd				22 RD	22 Rd	USH 2	USH 2	TOTAL
BID ITEM #	DESCRIPTION	SMCode	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5420	MARKING, AERIAL ENFORCEMENT BARES EPOXY	SM-AERIAL BARS	SHOULDER	EACH			4		4
	MASTER TROOPER TROY STAGE 218-393-6770								

PAVEMENT MARKING (SPECIAL MARKINGS) "CONTINUED ONTO NEXT PAGE"									
COUNTY	DUNN								
MAP REFERENCE	DUNN 15								
MAP REFERENCE HWY	STH 170								
MAP REFERENCE SITE ID	STH 40 - COLFAX				STH 40	STH 40	STH 170		TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.			34		34
MAP REFERENCE	DUNN 17A								
MAP REFERENCE HWY	STH 25								
MAP REFERENCE SITE ID	IH 94WB OFF RAMP - MENOMONIE - EXIT 41				STH 25	STH 25		IH 94 OFF RAMP	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.	39				39
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	L.F.	45				45
MAP REFERENCE	DUNN 17B								
MAP REFERENCE HWY	STH 25								
MAP REFERENCE SITE ID	IH 94WB ON RAMP - MENOMONIE - EXIT 41				STH 25	STH 25		IH 94 ON RAMP	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.		24			24
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	L.F.		30			30
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	MEDIAN ISLAND	EACH		1			1
MAP REFERENCE	DUNN 18A								
MAP REFERENCE HWY	STH 25								
MAP REFERENCE SITE ID	IH 94EB ON RAMP - MENOMONIE - EXIT 41				STH 25	STH 25	IH 94 ON RAMP		TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.	24				24
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	L.F.	25				25
MAP REFERENCE	DUNN 18B								
MAP REFERENCE HWY	STH 25								
MAP REFERENCE SITE ID	IH 94EB OFF RAMP - MENOMONIE - EXIT 41				STH 25	STH 25	IH 94 OFF RAMP		TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.		35			35
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	L.F.		45			45
MAP REFERENCE	DUNN 25A								
MAP REFERENCE HWY	IH 94								
MAP REFERENCE SITE ID	STH 25 - MENOMONIE - EXIT 41				STH 25	STH 25	IH 94	IH 94	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	L.F.			32		32
MAP REFERENCE	DUNN 25B								
MAP REFERENCE HWY	IH 94								
MAP REFERENCE SITE ID	STH 25 - MENOMONIE - EXIT 41				STH 25	STH 25	IH 94	IH 94	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	L.F.				36	36
MAP REFERENCE	DUNN 30								
MAP REFERENCE HWY	STH 170								
MAP REFERENCE SITE ID	CTH D - E OF WHEELER					CTH D	STH 170	STH 170	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5320	MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH			1	1	2
COUNTY	JACKSON								
MAP REFERENCE	JACKSON 30A								
MAP REFERENCE HWY	USH 12								
MAP REFERENCE SITE ID	CTH A - BLACK RIVER FALLS				CTH A		USH 12	USH 12	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	L.F.			78		78
COUNTY	PIERCE								
MAP REFERENCE	PIERCE 20B								
MAP REFERENCE HWY	STH 35								
MAP REFERENCE SITE ID	USH 63 - HAGER CITY				STH 35	STH 35	USH 63	USH 63	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.	38	38			76

PAVEMENT MARKING (SPECIAL MARKINGS) "CONTINUED ONTO NEXT PAGE"									
MAP REFERENCE	PIERCE 31A								
MAP REFERENCE HWY	STH 29								
MAP REFERENCE SITE ID	STH 65 - 830TH AVE - RAB - RIVER FALLS				STH 65	STH 65	STH 29	STH 29	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.3020	MARKING LINE EPOXY 8-INCH	W-GORE-8 INCH	ROUNDABOUT SPLITTER ISLAND	L.F.			95		95
646.3020	MARKING LINE EPOXY 8-INCH	W-GORE-8 INCH	ROUNDABOUT SPLITTER ISLAND	L.F.			95		95
646.3020	MARKING LINE EPOXY 8-INCH	W-RA-DASH-LL-8	ROUNDABOUT	L.F.			240		240
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-L	ROUNDABOUT	EACH			2		2
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	ROUNDABOUT	EACH			1		1
646.5020	MARKING ARROW EPOXY	SM-ARROW-1	ROUNDABOUT	EACH			1		1
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.			26		26
MAP REFERENCE	PIERCE 31B								
MAP REFERENCE HWY	STH 29								
MAP REFERENCE SITE ID	STH 65 - 830TH AVE - RAB - RIVER FALLS				STH 65	STH 65	STH 29	STH 29	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.3020	MARKING LINE EPOXY 8-INCH	W-GORE-8 INCH	ROUNDABOUT APPROACH LANE	L.F.				386	386
646.3020	MARKING LINE EPOXY 8-INCH	W-GORE-8 INCH	ROUNDABOUT SPLITTER ISLAND	L.F.				70	70
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-R	ROUNDABOUT APPROACH LANE	EACH				2	2
646.5020	MARKING ARROW EPOXY	SM-RA-ARROW-3R	ROUNDABOUT APPROACH LANE	EACH				2	2
646.5120	MARKING WORD EPOXY	SM-ONLY	ROUNDABOUT APPROACH LANE	EACH				1	1
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.				44	44
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.				30	30
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	L.F.				10	10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE YELLOW	MEDIAN ISLAND	EACH				1	1
MAP REFERENCE	PIERCE 31C								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	STH 29 - 830TH AVE - RAB - RIVER FALLS				STH 65	STH 65	CEMETARY RD	STH 29	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.3020	MARKING LINE EPOXY 8-INCH	W-GORE-8 INCH	ROUNDABOUT APPROACH LANE	L.F.	250				250
646.3020	MARKING LINE EPOXY 8-INCH	W-DASH-LL-8	ROUNDABOUT APPROACH LANE	L.F.	18				18
646.5020	MARKING ARROW EPOXY	SM-RA-ARROW-3R	ROUNDABOUT APPROACH LANE	EACH	2				2
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-R	ROUNDABOUT APPROACH LANE	EACH	2				2
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.	26				26
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDABOUT SPLITTER ISLAND	L.F.	111				111
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-CHEVRON-W	ROUNDABOUT APPROACH LANE	L.F.	18				18
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	L.F.	10				10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE YELLOW	MEDIAN ISLAND	EACH	1				1
MAP REFERENCE	PIERCE 31D								
MAP REFERENCE HWY	STH 29								
MAP REFERENCE SITE ID	STH 65 - 830TH AVE - RAB - RIVER FALLS				STH 65	STH 65	STH 29	830TH AVE	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.3020	MARKING LINE EPOXY 8-INCH	W-GORE-8 INCH	ROUNDABOUT SPLITTER ISLAND	L.F.				97	97
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.				14	14
COUNTY	POLK								
MAP REFERENCE	POLK 56B								
MAP REFERENCE HWY	STH 48								
MAP REFERENCE SITE ID	STH 35 - FREDERIC				STH 35	STH 35, STH 48E		STH 48	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.			30		30

PAVEMENT MARKING (SPECIAL MARKINGS) "CONTINUED ONTO NEXT PAGE"									
COUNTY	RUSK								
MAP REFERENCE	RUSK 03								
MAP REFERENCE HWY	STH 27				STH 27	STH 27	FRITZ AVE		TOTAL
MAP REFERENCE SITE ID	FRITZ AVE - LADYSMITH				NB	SB	EB	WB	QUANTITY
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	1	2			3
646.5320	MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH					
MAP REFERENCE	RUSK 07								
MAP REFERENCE HWY	STH 40				STH 40	STH 40	NORTH STAR RD	RENGSTORF RD	TOTAL
MAP REFERENCE SITE ID	2400 FT NORTH OF NORTH STAR RD				NB	SB	EB	WB	QUANTITY
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	2	2			4
646.5320	MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH					
COUNTY	SAWYER								
MAP REFERENCE	SAWYER 01								
MAP REFERENCE HWY	STH 48								
MAP REFERENCE SITE ID	1.5 MI WEST OF EXCELAND				POLISH RD		STH 48	STH 48	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5320	MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH			1	1	2
MAP REFERENCE	SAWYER 03								
MAP REFERENCE HWY	STH 48								
MAP REFERENCE SITE ID	STH 40 - EAST OF EXELAND				STH 40	STH 40	STH 48	STH 48	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.			13		13
COUNTY	ST. CROIX								
MAP REFERENCE	ST CROIX 01A								
MAP REFERENCE HWY	USH 12								
MAP REFERENCE SITE ID	STH 65 NORTH - WEST SIDE OF RAB - ROBERTS				130TH ST	STH 65	USH 12	USH 12	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.			18		18
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDABOUT SPLITTER ISLAND	L.F.			202		202
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDABOUT SPLITTER ISLAND	L.F.			10		10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDABOUT SPLITTER ISLAND	EACH			1		1
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.			18		18
MAP REFERENCE	ST CROIX 01B								
MAP REFERENCE HWY	USH 12								
MAP REFERENCE SITE ID	STH 65 NORTH - EAST SIDE OF RAB - ROBERTS				130TH ST	STH 65	USH 12	USH 12	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.				26	26
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDABOUT SPLITTER ISLAND	L.F.				106	106
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDABOUT SPLITTER ISLAND	L.F.				10	10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDABOUT SPLITTER ISLAND	EACH				1	1
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.				26	26
MAP REFERENCE	ST CROIX 01C								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	USH 12 EAST - NORTH SIDE OF RAB - ROBERTS				130TH ST	STH 65	USH 12	USH 12	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-R	ROUNDABOUT APPROACH LANE	EACH		2			2
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-L	ROUNDABOUT APPROACH LANE	EACH		2			2
646.5120	MARKING WORD EPOXY	SM-ONLY	ROUNDABOUT APPROACH LANE	EACH		1			1
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.		40			40
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDABOUT SPLITTER ISLAND	L.F.		136			136
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDABOUT SPLITTER ISLAND	L.F.	10	20			30
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDABOUT SPLITTER ISLAND	EACH	1	2			3
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.		40			40
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-2-R	ROUNDABOUT APPROACH LANE	EACH		2			2
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ONLY	ROUNDABOUT APPROACH LANE	EACH		1			1
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-3-L	ROUNDABOUT APPROACH LANE	EACH		2			2

PAVEMENT MARKING (SPECIAL MARKINGS) "CONTINUED ONTO NEXT PAGE"									
MAP REFERENCE	ST CROIX 01D								
MAP REFERENCE HWY	USH 12								
MAP REFERENCE SITE ID	130TH ST - SOUTH SIDE OF STH 65 NORTH RAB - ROBERTS				130TH ST	STH 65	USH 12	USH 12	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.	16				16
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.	16				16
MAP REFERENCE	ST CROIX 02A								
MAP REFERENCE HWY	USH 12								
MAP REFERENCE SITE ID	STH 65 SOUTH - WEST SIDE OF RAB - ROBERTS				STH 65	120TH ST	USH 12	USH 12	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-1	ROUNDAABOUT APPROACH LANE	EACH			1		1
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-L	ROUNDAABOUT APPROACH LANE	EACH			2		2
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.			22		22
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.			148		148
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.			10		10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDAABOUT SPLITTER ISLAND	EACH			1		1
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.			22		22
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-1	ROUNDAABOUT APPROACH LANE	EACH			1		1
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-3-L	ROUNDAABOUT APPROACH LANE	EACH			2		2
MAP REFERENCE	ST CROIX 02B								
MAP REFERENCE HWY	USH 12								
MAP REFERENCE SITE ID	STH 65 SOUTH - EAST SIDE OF RAB - ROBERTS				STH 65	120TH ST	USH 12	USH 12	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	ROUNDAABOUT	EACH				1	1
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-L	ROUNDAABOUT	EACH				2	2
646.5020	MARKING ARROW EPOXY	SM-ARROW-6	ROUNDAABOUT APPROACH LANE	EACH				2	2
646.5020	MARKING ARROW EPOXY	SM-RA-ARROW-2R	ROUNDAABOUT APPROACH LANE	EACH				2	2
646.5120	MARKING WORD EPOXY	SM-ONLY	ROUNDAABOUT APPROACH LANE	EACH				2	2
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.				30	30
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.				272	272
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.				10	10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDAABOUT SPLITTER ISLAND	EACH				1	1
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.				30	30
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-2-L	ROUNDAABOUT	EACH				1	1
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-3-L	ROUNDAABOUT	EACH				2	2
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-6	ROUNDAABOUT APPROACH LANE	EACH				2	2
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ONLY	ROUNDAABOUT APPROACH LANE	EACH				1	1
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-RA-ARROW-2R	ROUNDAABOUT APPROACH LANE	EACH				2	2
MAP REFERENCE	ST CROIX 02C								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	USH 12 WEST - SOUTH SIDE OF RAB - ROBERTS				STH 65	120TH ST	USH 12	USH 12	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-RA-ARROW-3R	ROUNDAABOUT APPROACH LANE	EACH	2				2
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-R	ROUNDAABOUT APPROACH LANE	EACH	2				2
646.5120	MARKING WORD EPOXY	SM-ONLY	ROUNDAABOUT APPROACH LANE	EACH	1				1
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.	38				38
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.	236				236
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.	10				10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDAABOUT SPLITTER ISLAND	EACH	1				1
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.	38				38
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ONLY	ROUNDAABOUT APPROACH LANE	EACH	1				1
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-RA-ARROW-3R	ROUNDAABOUT APPROACH LANE	EACH	2				2
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-2-R	ROUNDAABOUT APPROACH LANE	EACH	2				2
MAP REFERENCE	ST CROIX 02D								
MAP REFERENCE HWY	USH 12								
MAP REFERENCE SITE ID	120TH ST - NORTH SIDE OF STH 65 SOUTH RAB - ROBERTS				STH 65	120TH ST	USH 12	USH 12	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.		30			30
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.		30			30

PAVEMENT MARKING (SPECIAL MARKINGS) "CONTINUED ONTO NEXT PAGE"									
MAP REFERENCE	ST CROIX 14								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	WAGNER RD - SOUTH OF ROBERTS				STH 65	STH 65		WAGNER RD	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	LEFT TURN LANE	EACH		2			2
646.5120	MARKING WORD EPOXY	SM-ONLY	LEFT TURN LANE	EACH		2			2
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.	138	218			356
MAP REFERENCE	ST CROIX 16								
MAP REFERENCE HWY	STH 35								
MAP REFERENCE SITE ID	BUCKEYE ST - COULEE RD - HUDSON				STH 35	STH 35	BUCKEYE ST	COULEE RD	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	LEFT TURN LANE	EACH	2				2
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-R	RIGHT TURN LANE	EACH	2				2
646.5120	MARKING WORD EPOXY	SM-ONLY	LEFT AND RIGHT TURN LANES	EACH	3				3
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.	35				35
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.	48				48
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	L.F.	34				34
MAP REFERENCE	ST CROIX 45A								
MAP REFERENCE HWY	IH 94								
MAP REFERENCE SITE ID	STH 65 - EXIT 10 - ROBERTS				STH 65	STH 65	I-94 EB OFF RAMP	I-94 EB ON RAMP	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	EB	QUANTITY
646.3020	MARKING LINE EPOXY 8-INCH	W-DASH-LL-8	OFF RAMP	L.F.			40		40
646.5020	MARKING ARROW EPOXY	SM-RA-ARROW-2R	OFF RAMP	EACH			2		2
646.5020	MARKING ARROW EPOXY	SM-ARROW-6	OFF RAMP	EACH			2		2
646.5120	MARKING WORD EPOXY	SM-ONLY	OFF RAMP	EACH			2		2
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT	L.F.			28		28
646.7220	MARKING CHEVRON EPOXY 24-INCH	SM-CHEVRON-W	OFF RAMP	L.F.			145		145
646.7220	MARKING CHEVRON EPOXY 24-INCH	SM-CHEVRON-W	OFF RAMP	L.F.			43		43
MAP REFERENCE	ST CROIX 45B								
MAP REFERENCE HWY	IH 94								
MAP REFERENCE SITE ID	STH 65 - EXIT 10 - ROBERTS				STH 65	STH 65	I-94 WB ON RAMP	I-94 WB OFF RAMP	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	WB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-R	OFF RAMP	EACH				1	1
646.5020	MARKING ARROW EPOXY	SM-RA-ARROW-3R	OFF RAMP	EACH				1	1
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT	L.F.				32	32
646.7220	MARKING CHEVRON EPOXY 24-INCH	SM-CHEVRON-W	OFF RAMP	L.F.				187	187
MAP REFERENCE	ST CROIX 45AA								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	I-94 EB OFF /ON RAMPS RAB - STH 65 NB				STH 65	STH 65	I-94 WB OFF RAMP	I-94 WB ON RAMP	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-1	ROUNDABOUT	EACH	2				2
646.5020	MARKING ARROW EPOXY	SM-ARROW-1	ROUNDABOUT APPROACH LANE	EACH	2				2
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	ROUNDABOUT	EACH	1				1
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-L	ROUNDABOUT	EACH	1				1
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-R	ROUNDABOUT APPROACH LANE	EACH	2				2
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.	26				26
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-CHEVRON-W	ROUNDABOUT APPROACH LANE	L.F.	34				34
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDABOUT SPLITTER ISLAND	L.F.	10				10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDABOUT SPLITTER ISLAND	EACH	1				1
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.	26				26
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-1	ROUNDABOUT	EACH	2				2
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-2-L	ROUNDABOUT	EACH	1				1
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-3-L	ROUNDABOUT	EACH	1				1

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PAVEMENT MARKING (SPECIAL MARKINGS) "CONTINUED ONTO NEXT PAGE"									
MAP REFERENCE	ST CROIX 45AAA								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	I-94 EB OFF /ON RAMPS RAB - STH 65 SB				STH 65	STH 65	I-94 WB OFF RAMP	I-94 WB ON RAMP	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-1	ROUNDABOUT	EACH		1			1
646.5020	MARKING ARROW EPOXY	SM-ARROW-1	ROUNDABOUT APPROACH LANE	EACH		2			2
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	ROUNDABOUT	EACH		1			1
646.5020	MARKING ARROW EPOXY	SM-RA-ARROW-2R	ROUNDABOUT APPROACH LANE	EACH		2			2
646.5120	MARKING WORD EPOXY	SM-ONLY	ROUNDABOUT APPROACH LANE	EACH		2			2
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.		26			26
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-CHEVRON-W	ROUNDABOUT APPROACH LANE	L.F.		34			34
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDABOUT SPLITTER ISLAND	L.F.		5			5
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDABOUT SPLITTER ISLAND	L.F.		10			10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDABOUT SPLITTER ISLAND	EACH		1			1
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.		26			26
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-1	ROUNDABOUT	EACH		1			1
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-2-L	ROUNDABOUT	EACH		1			1
MAP REFERENCE	ST CROIX 45BB								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	I-94 WB OFF /ON RAMPS RAB - STH 65 NB				STH 65	STH 65	I-94 WB OFF RAMP	I-94 WB ON RAMP	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-RA-ARROW-3R	ROUNDABOUT APPROACH LANE	EACH	2				2
646.5020	MARKING ARROW EPOXY	SM-ARROW-1	ROUNDABOUT	EACH	1				1
646.5020	MARKING ARROW EPOXY	SM-ARROW-1	ROUNDABOUT APPROACH LANE	EACH	2				2
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-L	ROUNDABOUT	EACH	1				1
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.	24				24
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-CHEVRON-W	ROUNDABOUT APPROACH LANE	L.F.	41				41
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDABOUT SPLITTER ISLAND	L.F.	15				15
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDABOUT SPIRAL	L.F.	15				15
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDABOUT SPLITTER ISLAND	L.F.	10				10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDABOUT SPLITTER ISLAND	EACH	1				1
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.	24				24
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-1	ROUNDABOUT	EACH	1				1
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-3-L	ROUNDABOUT	EACH	1				1
MAP REFERENCE	ST CROIX 45BBB								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	I-94 WB OFF / ON RAMPS RAB - STH 65 SB				STH 65	STH 65	I-94 WB OFF RAMP	I-94 WB ON RAMP	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-1	ROUNDABOUT	EACH		2			2
646.5020	MARKING ARROW EPOXY	SM-ARROW-1	ROUNDABOUT APPROACH LANE	EACH		3			3
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-R	ROUNDABOUT APPROACH LANE	EACH		3			3
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-L	ROUNDABOUT	EACH		1			1
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-R	ROUNDABOUT APPROACH LANE	EACH		3			3
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.		32			32
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-CHEVRON-W	ROUNDABOUT APPROACH LANE	L.F.		48			48
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDABOUT SPLITTER ISLAND	L.F.		105			105
646.7220	MARKING CHEVRON EPOXY 24-INCH	SM-CHEVRON-W	MEDIAN ISLAND	L.F.		148			148
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDABOUT SPLITTER ISLAND	L.F.		10			10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDABOUT SPLITTER ISLAND	EACH		1			1
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDABOUT	L.F.		32			32
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-1	ROUNDABOUT	EACH		2			2
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-3-L	ROUNDABOUT	EACH		1			1
MAP REFERENCE	ST CROIX 52								
MAP REFERENCE HWY	STH 35								
MAP REFERENCE SITE ID	FRONT ST - IH 94 & HUDSON				STH 35	STH 35		FRONT ST	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.		88			88
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	L.F.		10			10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	MEDIAN ISLAND	EACH		1			1

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PAVEMENT MARKING (SPECIAL MARKINGS) "CONTINUED ONTO NEXT PAGE"									
MAP REFERENCE	ST CROIX 69								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	70TH AVE - SOUTH OF ROBERTS				STH 65	STH 65	70TH AVE	70TH AVE	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	LEFT TURN LANE	EACH	2	2			4
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-R	RIGHT TURN LANE	EACH	2	2			4
646.5120	MARKING WORD EPOXY	SM-ONLY	LEFT TURN LANE	EACH		1			1
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.		38			38
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.		184			184
MAP REFERENCE	ST CROIX 89A								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	CTH TT / 80TH AVE - RAB - ROBERTS				STH 65	STH 65	80TH AVE	CTH TT	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-1	ROUNDAABOUT	EACH	1				1
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-L	ROUNDAABOUT	EACH	2			2	4
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-R	ROUNDAABOUT APPROACH LANE	EACH	2				2
646.5020	MARKING ARROW EPOXY	SM-RA-ARROW-3R	ROUNDAABOUT APPROACH LANE	EACH	2				2
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.	20				20
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.	151				151
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.	10				10
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.	10				10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDAABOUT SPLITTER ISLAND	EACH	1				1
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDAABOUT SPLITTER ISLAND	EACH	1				1
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.	20				20
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-1	ROUNDAABOUT	EACH	1				1
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-3-L	ROUNDAABOUT	EACH	2			2	4
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-3-R	ROUNDAABOUT APPROACH LANE	EACH	2				2
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-RA-ARROW-3R	ROUNDAABOUT APPROACH LANE	EACH	2				2
MAP REFERENCE	ST CROIX 89B								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	CTH TT / 80TH AVE - RAB - ROBERTS				STH 65	STH 65	80TH AVE	CTH TT	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-1	ROUNDAABOUT	EACH		1			1
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-L	ROUNDAABOUT	EACH		2			2
646.5020	MARKING ARROW EPOXY	SM-ARROW-3-R	ROUNDAABOUT APPROACH LANE	EACH		2			2
646.5020	MARKING ARROW EPOXY	SM-RA-ARROW-3R	ROUNDAABOUT APPROACH LANE	EACH		2			2
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.		22			22
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.		147			147
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.		20			20
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDAABOUT SPLITTER ISLAND	EACH		2			2
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.		22			22
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-1	ROUNDAABOUT	EACH		1			1
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-3-L	ROUNDAABOUT	EACH		2			2
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-ARROW-3-R	ROUNDAABOUT APPROACH LANE	EACH		2			2
646.9300	MARKING REMOVAL SPECIAL MARKING	SM-RA-ARROW-3R	ROUNDAABOUT APPROACH LANE	EACH		2			2
MAP REFERENCE	ST CROIX 89C								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	CTH TT / 80TH AVE - RAB - ROBERTS				STH 65	STH 65	80TH AVE	CTH TT	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.				16	16
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.				16	16
MAP REFERENCE	ST CROIX 89D								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	CTH TT / 80TH AVE - RAB - ROBERTS				STH 65	STH 65	80TH AVE	CTH TT	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.			14		14
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.			14		14

3

PAVEMENT MARKING (SPECIAL MARKINGS) "CONTINUED ONTO NEXT PAGE"									
MAP REFERENCE	ST CROIX 90A								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	CTH G - RAB - NORTH OF ROBERTS				STH 65	STH 65	CTH G	CTH G	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.	20				20
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.	161				161
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.	10				10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDAABOUT SPLITTER ISLAND	EACH	1				1
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.	20				20
MAP REFERENCE	ST CROIX 90B								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	CTH G - RAB - NORTH OF ROBERTS				STH 65	STH 65	CTH G	CTH G	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.		22			22
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.		246			246
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDAABOUT SPLITTER ISLAND	L.F.		10			10
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDAABOUT SPLITTER	EACH		1			1
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.		22			22
MAP REFERENCE	ST CROIX 90C								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	CTH G - RAB - NORTH OF ROBERTS				STH 65	STH 65	CTH G	CTH G	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.			16		16
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.			16		16
MAP REFERENCE	ST CROIX 90D								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	CTH G - RAB - NORTH OF ROBERTS				STH 65	STH 65	CTH G	CTH G	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6320	MARKING DOTTED EXTENSION EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.				20	20
646.9200	MARKING REMOVAL LINE WIDE	SM-RA-DOTTED EL-W	ROUNDAABOUT APPROACH LANE	L.F.				20	20
MAP REFERENCE	ST CROIX 91								
MAP REFERENCE HWY	STH 65								
MAP REFERENCE SITE ID	STAR LN - SOUTH OF I 94				STH 65	STH 65		STAR LN	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	LEFT TURN LANE	EACH		2			2
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-R	RIGHT TURN LANE	EACH	1				1
646.5120	MARKING WORD EPOXY	SM-ONLY	LEFT AND RIGHT TURN LANES	EACH	1	1			2
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.	101	78			179
COUNTY	TAYLOR								
MAP REFERENCE	TAYLOR 05								
MAP REFERENCE HWY	STH 102								
MAP REFERENCE SITE ID	STH 13 - SOUTH OF RIB LAKE					STH 102	STH 13	STH 13	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.		36			36
COUNTY	TREMPEALEAU								
MAP REFERENCE	TREMPEALEAU 11A								
MAP REFERENCE HWY	STH 93								
MAP REFERENCE SITE ID	USH 10 - ELEVA				STH 93	STH 93	USH 10	USH 10	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.	24	24			48
MAP REFERENCE	TREMPEALEAU 11C								
MAP REFERENCE HWY	USH 10								
MAP REFERENCE SITE ID	STH 93 - ELEVA				STH 93	STH 93	USH 10	USH 10	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.			21	18	39

PAVEMENT MARKING (SPECIAL MARKINGS) "CONTINUED ONTO NEXT PAGE"									
MAP REFERENCE	TREMPEALEAU 15								
MAP REFERENCE HWY	STH 93								
MAP REFERENCE SITE ID	1300 FT SOUTH ROGNEBY LN - SOUTH OF ARCADIA				STH 93	STH 93	ROGNEBY LN		TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5420	MARKING AERIAL ENFORCEMENT BAR EPOXY	SM-AERIAL BARS	SHOULDER	EACH	10				10
MAP REFERENCE	TREMPEALEAU 19B								
MAP REFERENCE HWY	USH 53								
MAP REFERENCE SITE ID	USH 10 - OSSEO - EAST JCT				USH 53	HARRMONY ST	USH 10	USH 10	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.6120	MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.	30				30
MAP REFERENCE	TREMPEALEAU 39								
MAP REFERENCE HWY	USH 53								
MAP REFERENCE SITE ID	PARK AVE - OSSEO				USH 53	USH 53	PARK AVE	PARK AVE	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	LEFT TURN LANE	EACH		1			1
646.5120	MARKING WORD EPOXY	SM-ONLY	LEFT TURN LANE	EACH		1			1
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.	15	18			33
MAP REFERENCE	TREMPEALEAU 41								
MAP REFERENCE HWY	USH 53								
MAP REFERENCE SITE ID	SILVER CREEK RD - GALESVILLE				USH 53	USH 53		SILVER CREEK RD	TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	LEFT TURN LANE	EACH		2			2
646.5120	MARKING WORD EPOXY	SM-ONLY	LEFT TURN LANE	EACH		1			1
646.8120	MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	L.F.	10	40			50
646.8220	MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	MEDIAN ISLAND	EACH	1	1			2
MAP REFERENCE	TREMPEALEAU 42								
MAP REFERENCE HWY	USH 53								
MAP REFERENCE SITE ID	CRESTWOOD LN - GALESVILLE				USH 53	USH 53	CRESTWOOD LN		TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	TWLTL - TWO WAY LEFT TURN LANE	EACH	4	4			8
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.	376				376
MAP REFERENCE	TREMPEALEAU 43								
MAP REFERENCE HWY	USH 53								
MAP REFERENCE SITE ID	PRAIRIE RIDGE LANE - GALESVILLE				USH 53	USH 53	PRAIRIE RIDGE LN		TOTAL
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	NB	SB	EB	WB	QUANTITY
646.5020	MARKING ARROW EPOXY	SM-ARROW-2-L	LEFT TURN LANE	EACH	2				2
646.5120	MARKING WORD EPOXY	SM-ONLY	LEFT TURN LANE	EACH	2				2
646.7120	MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.	158				158

PAVEMENT MARKING SUMMARY (SPECIAL MARKINGS)

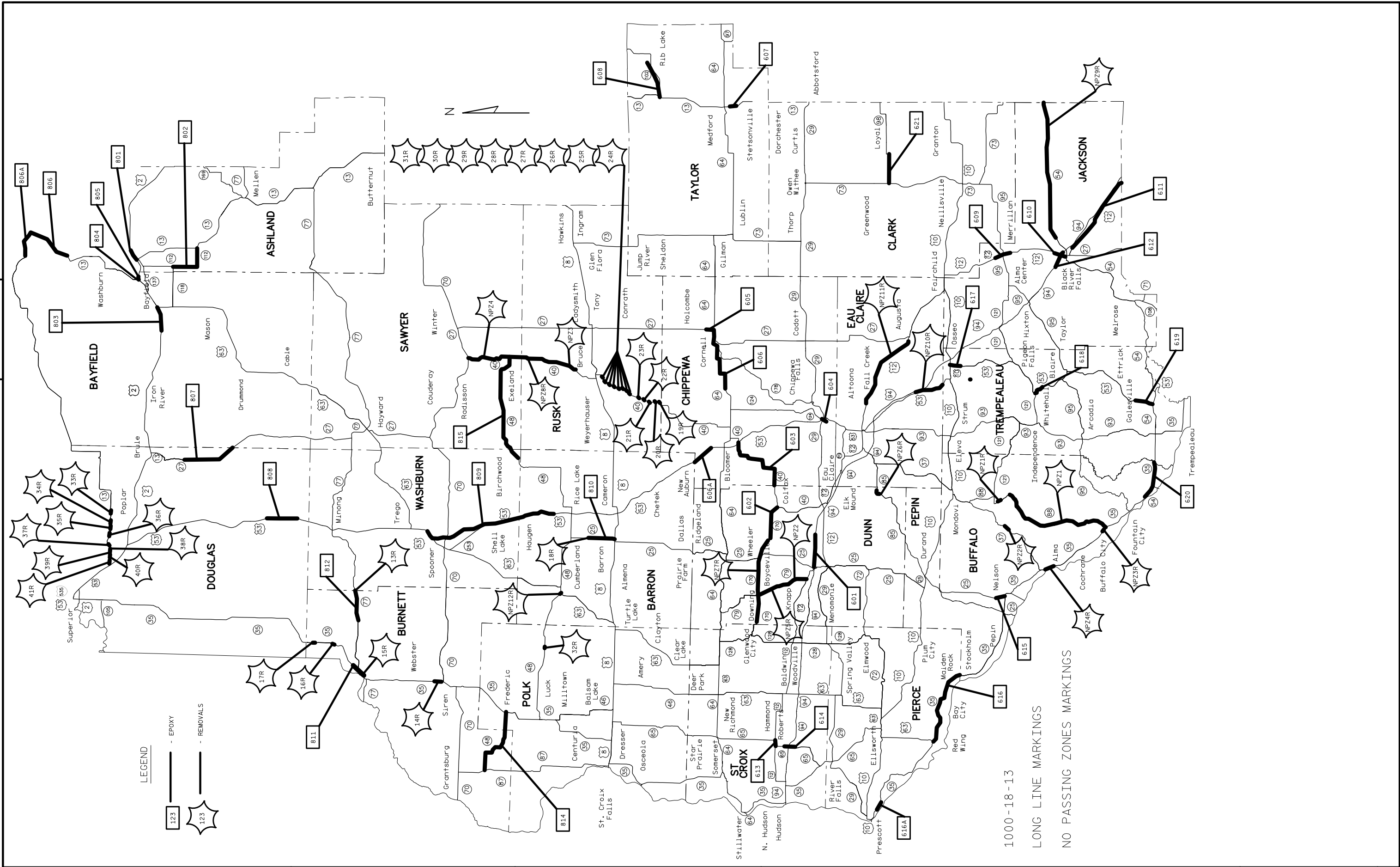
CATEGORY	ITEM NUMBER	BID ITEM DESCRIPTION	TOTALS	UNITS	NOTES
	**646.3020	MARKING LINE EPOXY 8-INCH	1291	LF	Type1 -19, Type2 - 58, Type3 - 32, Type2R - 6, Type 3R - 13, Type 6 - 4
	646.5020	MARKING ARROW EPOXY	132	EACH	
	646.5120	MARKING WORD EPOXY	23	EACH	
	646.5320	MARKING RAILROAD CROSSING EPOXY	21	EACH	
	646.5420	MARKING AERIAL ENFORCEMENT BAR EPOXY	22	EACH	
	646.6120	MARKING STOP LINE EPOXY 18-INCH	1080	LF	
	646.6220	MARKING YIELD LINE EPOXY 18-INCH	12	EACH	
	646.6320	MARKING DOTTED EXTENSIONS EPOXY 18-INCH	648	LF	
	646.7120	MARKING DIAGONAL EPOXY 12-INCH	5024	LF	
	646.7220	MARKING CHEVRON EPOXY 24-INCH	523	LF	
	646.8120	MARKING CURB EPOXY	780	LF	
	646.8220	MARKING ISLAND NOSE EPOXY	24	EACH	
	646.9200	MARKING REMOVAL LINE WIDE	478	LF	
	646.9300	MARKING REMOVAL SPECIAL MARKING	48	EACH	

** ADDITIONAL QUANTITIES SHOWN IN "PAVEMENT MARKING (LONGLINE MARKINGS)"

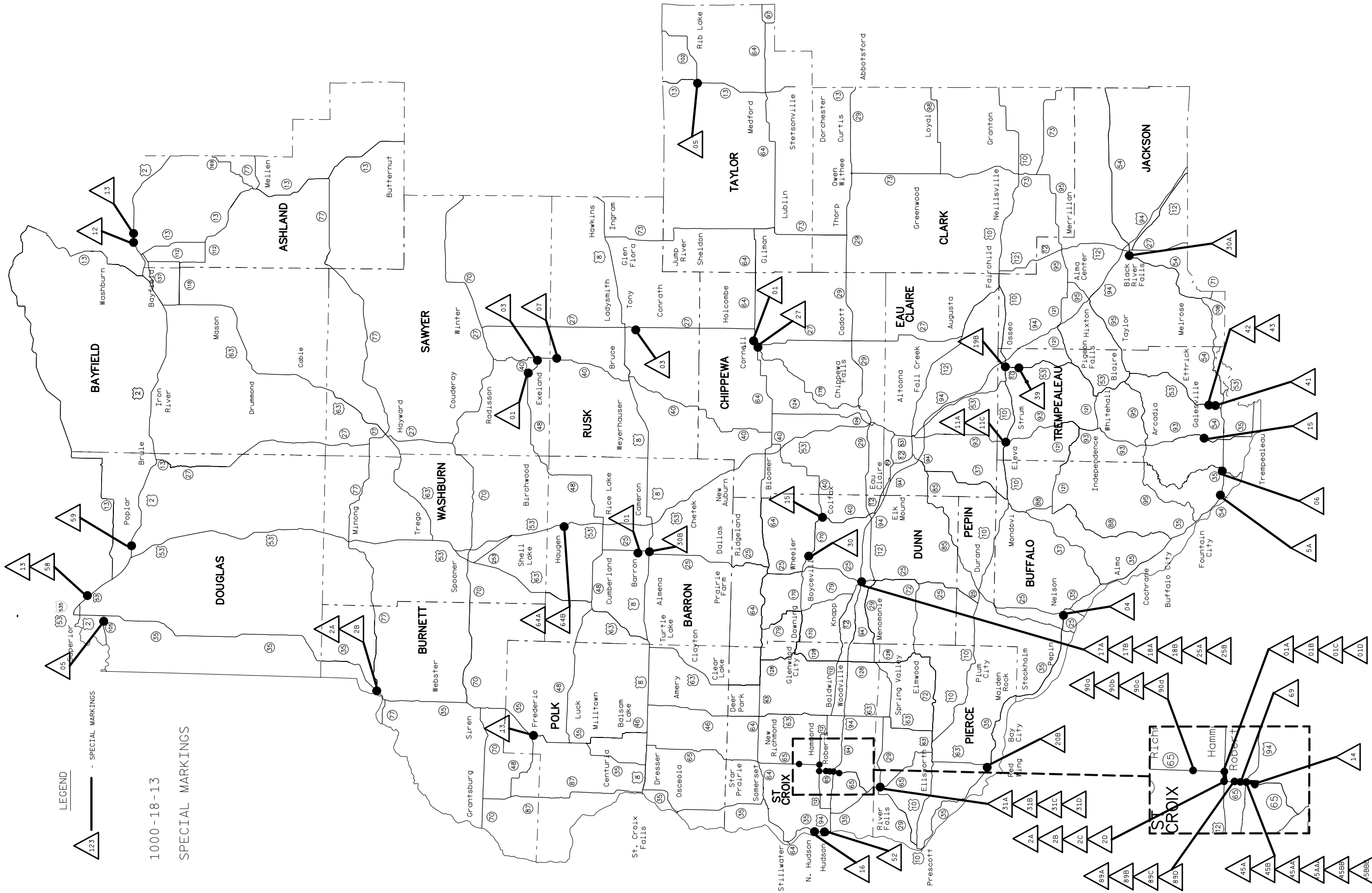
TRAFFIC CONTROL

CATEGORY	PROJECT	LOCATION	MAP REFERENCE	643.0300	643.0900	*643.1050	643.1070	NOTES
				DRUMS	SIGNS	SIGNS	CONES	
				DAYS	DAYS	PCMS	DAYS	
0010	1000-18-13	STH 65 & IH 94	ST CROIX 45A TO 45BBB	90	38	4	175	ASSUMES TRAFFIC CONTROL FOR 2 NIGHTS
		STH 65 & 120TH AVE	ST CROIX 02A, 02B, 02C & 02D	65	12	--	80	ASSUMES TRAFFIC CONTROL FOR 1 NIGHT
		STH 65 & 130TH AVE	ST CROIX 01A, 01B, 01C & 01D	55	12	--	65	ASSUMES TRAFFIC CONTROL FOR 1 NIGHT
		STH 65 & CTH G	ST CROIX 90A, 90B, 90C & 90D	60	12	--	60	ASSUMES TRAFFIC CONTROL FOR 1 NIGHT
		STH 65 & CTH TT	ST CROIX 89A, 89B, 89C & 89D	40	12	--	90	ASSUMES TRAFFIC CONTROL FOR 1 NIGHT
		STH 65 & 830TH AVE	PIERCE 31A, 31B, 31C & 31D	40	11	--	65	ASSUMES TRAFFIC CONTROL FOR 1 NIGHT
		UNDISTRIBUTED		50	3	1	65	
		CAT 0010 TOTAL		400	100	5	600	

* ADDITIONAL QUANTITIES SHOWN IN "PAVEMENT MARKING (LONGLINE MARKINGS)"



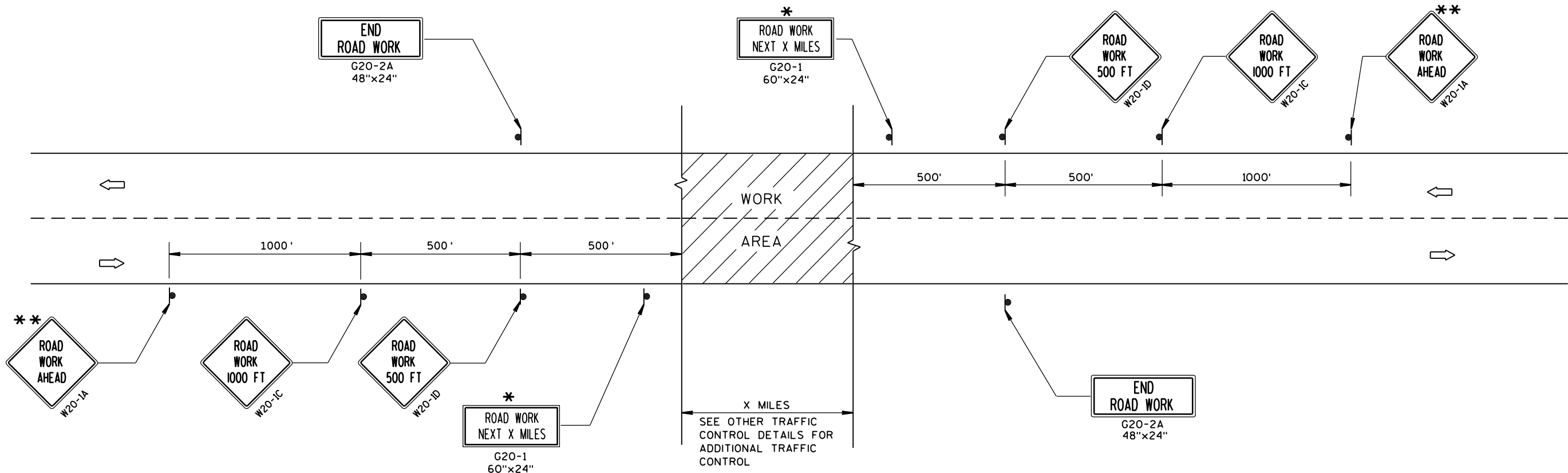
PROJECT NO:1000-18-13	HWY:VARIOUS	COUNTY:NORTHWEST REGION	PAVEMENT MARKING (LONG LINE & NO PASSING ZONES)	SHEET	E
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PROJECT NO:1000-18-13	HWY:VARIOUS	COUNTY:NORTHWEST REGION	PAVEMENT MARKING (SPECIAL MARKINGS)	SHEET	E
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Standard Detail Drawing List

15C04-04	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M. P. H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-04	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS
15C07-14A	PAVEMENT MARKING SYMBOLS
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C07-14D	ROUNDAABOUT ARROWS
15C08-18A	LONGITUDINAL MARKING (MAINLINE)
15C08-18B	PAVEMENT MARKING (TURN LANES)
15C09-11A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-07A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-06	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C14-03	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C18-04	MEDIAN ISLAND MARKING
15C19-05A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-05B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-05C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C20-02	YIELD MARKING
15C21-08	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C27-02A	DOUBLE ARROW WARNING SIGN PLACEMENT
15C27-02B	PAVEMENT MARKING (ISLANDS)
15C31-03A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-03C	PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-02A	PAVEMENT MARKING (INTERSECTIONS)
15C35-02B	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15C35-02C	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

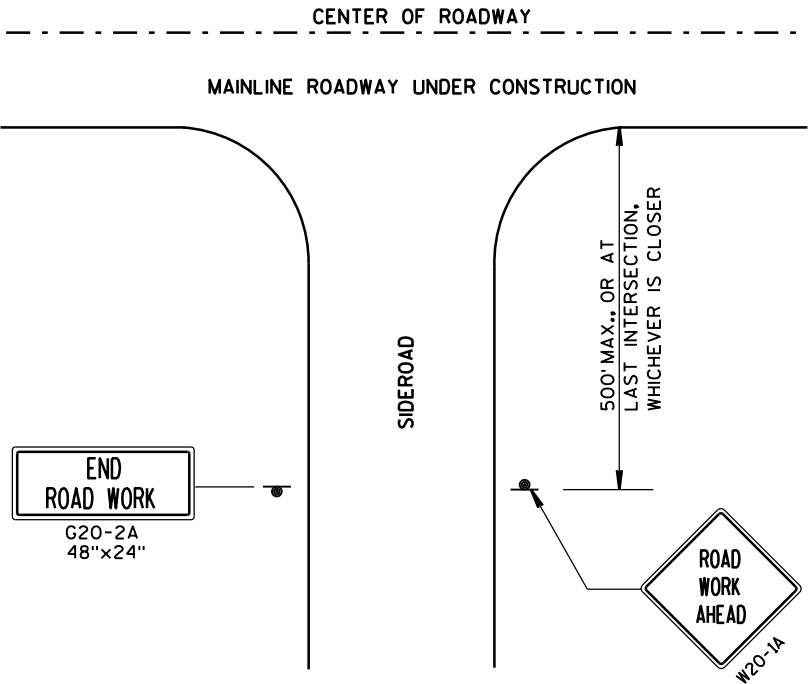
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

** PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



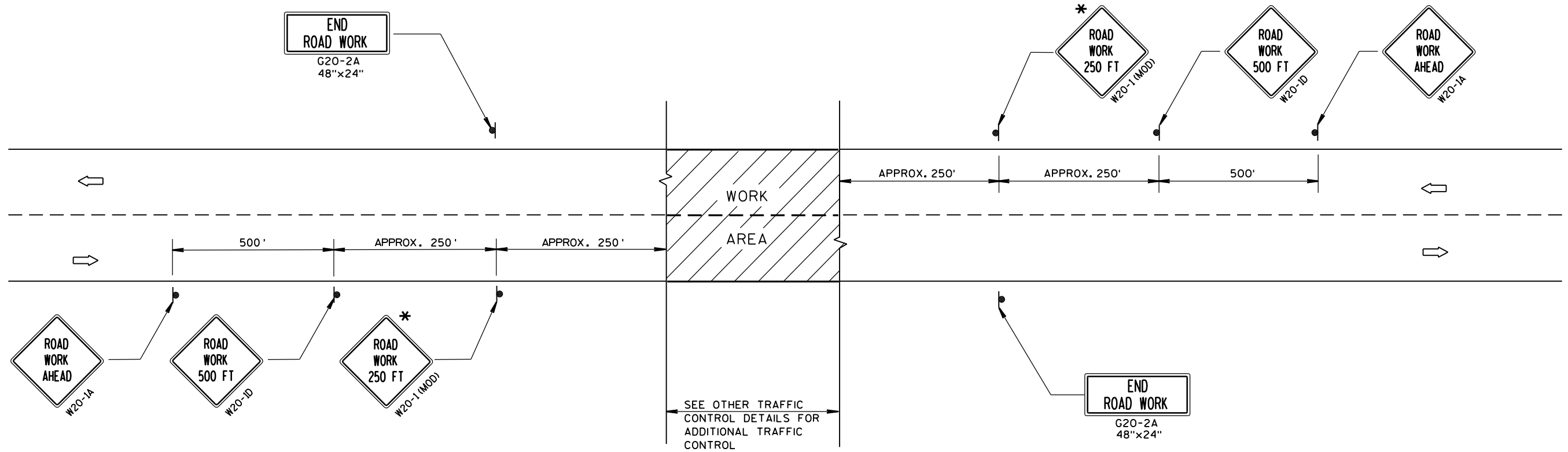
LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE
WARNING SIGNS 45 M.P.H.
OR GREATER TWO-WAY
UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2017 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
FHWA



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

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

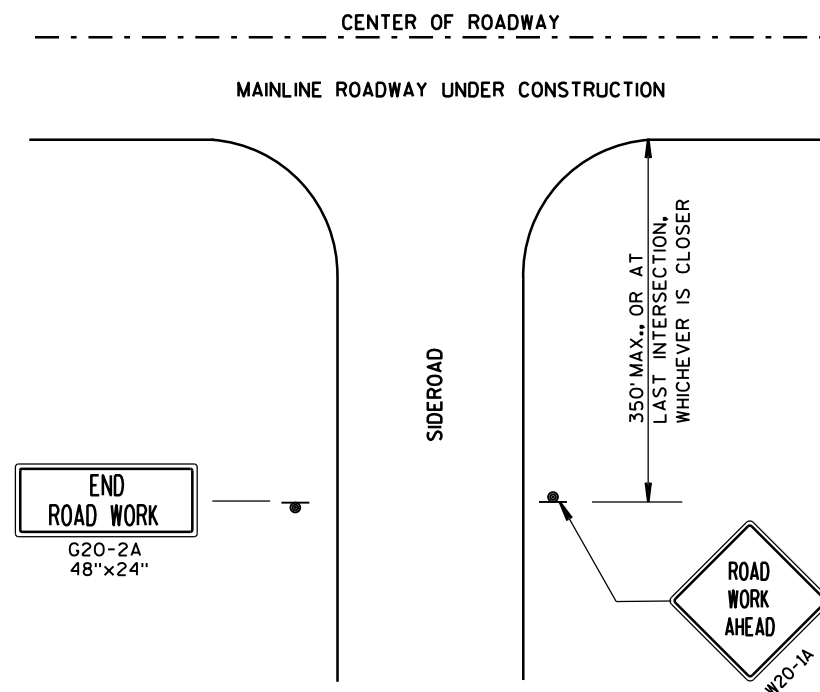
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



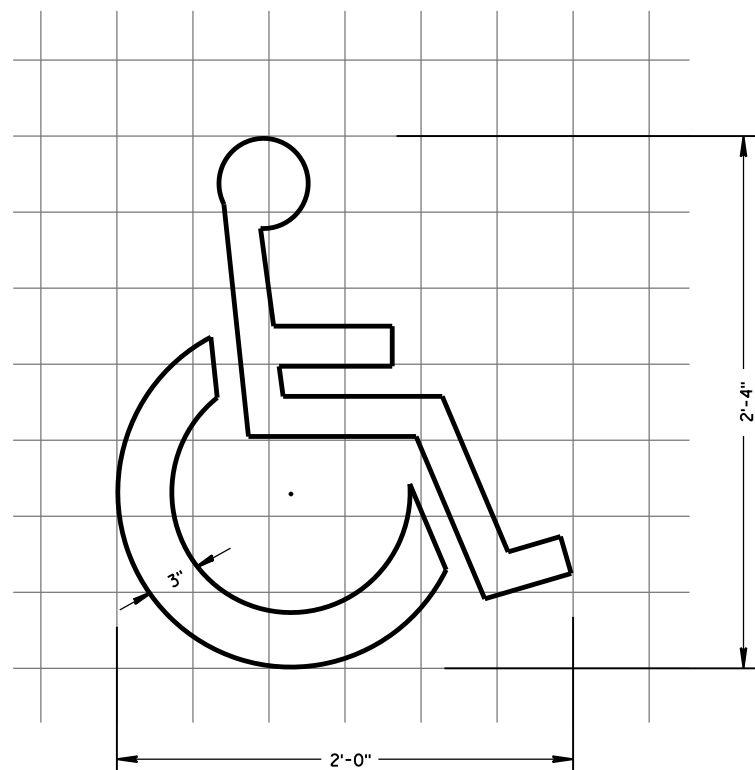
LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

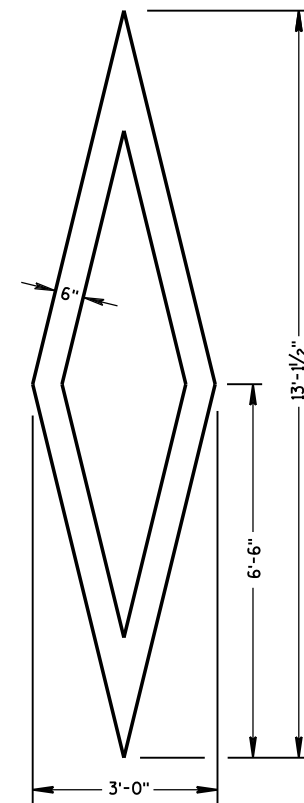
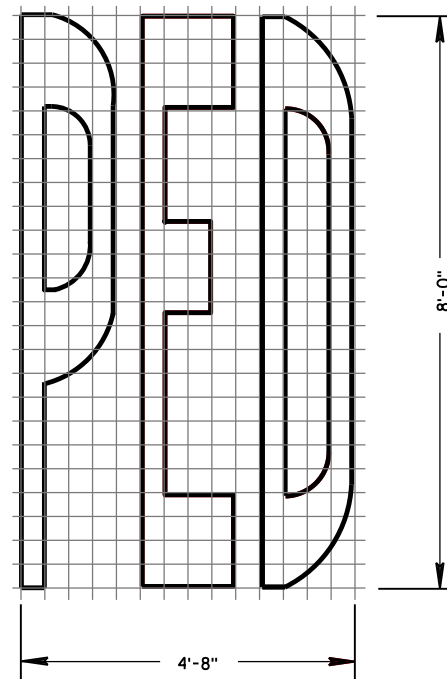
TRAFFIC CONTROL, ADVANCE
WARNING SIGNS 40 M.P.H.
OR LESS TWO-WAY UNDIVIDED
ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2017 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
FHWA



HANDICAP 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.

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

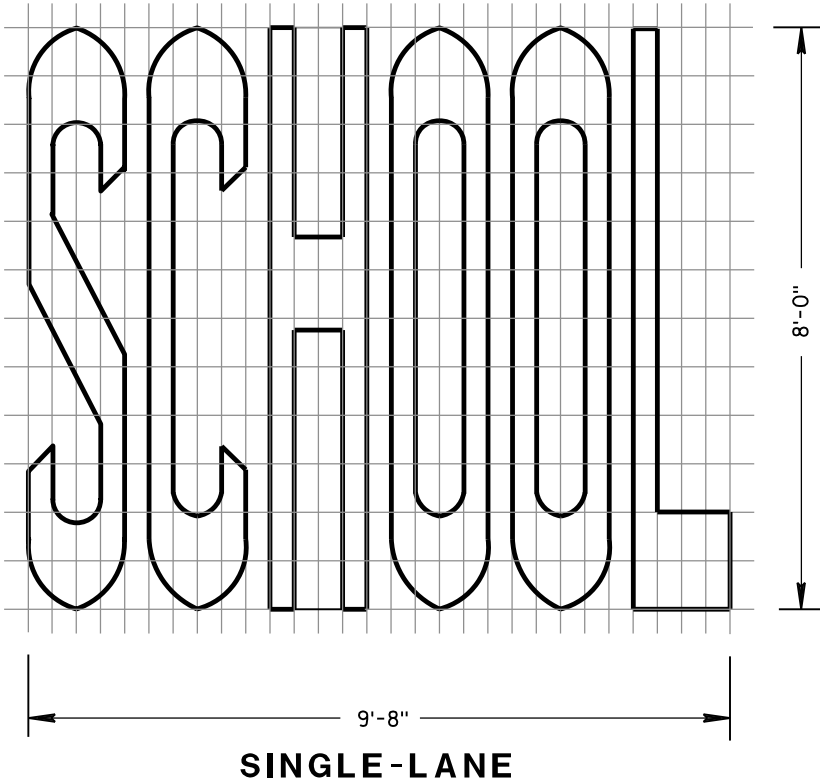
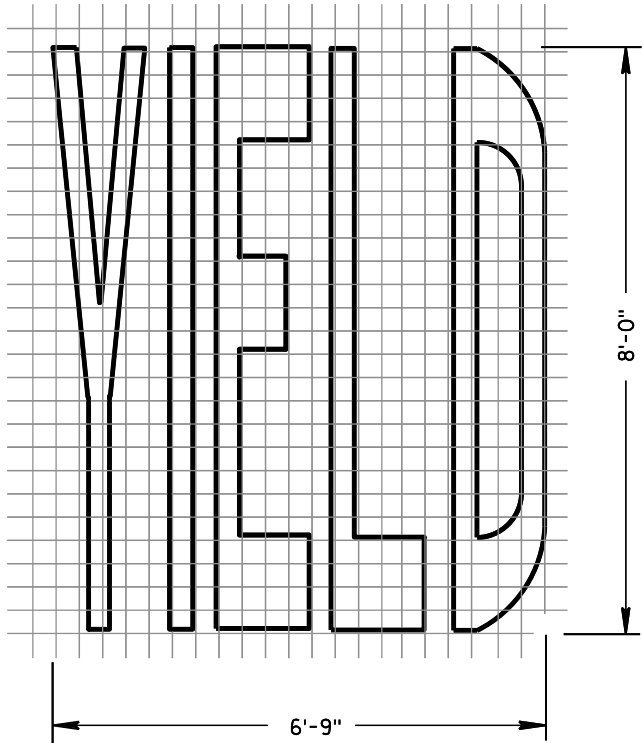
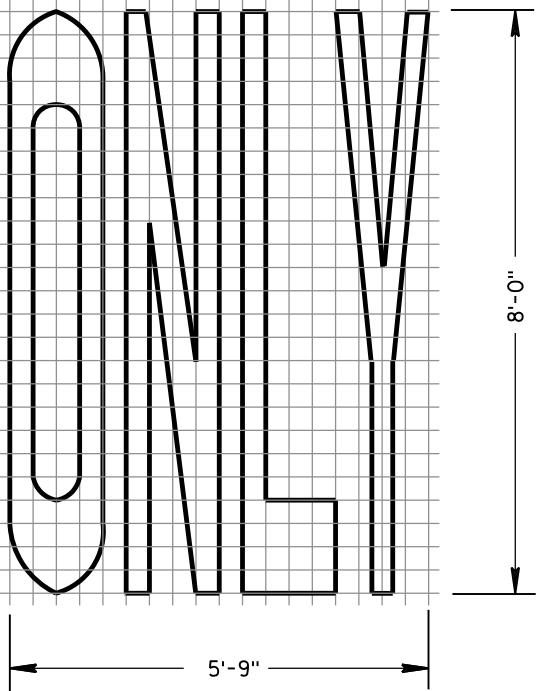
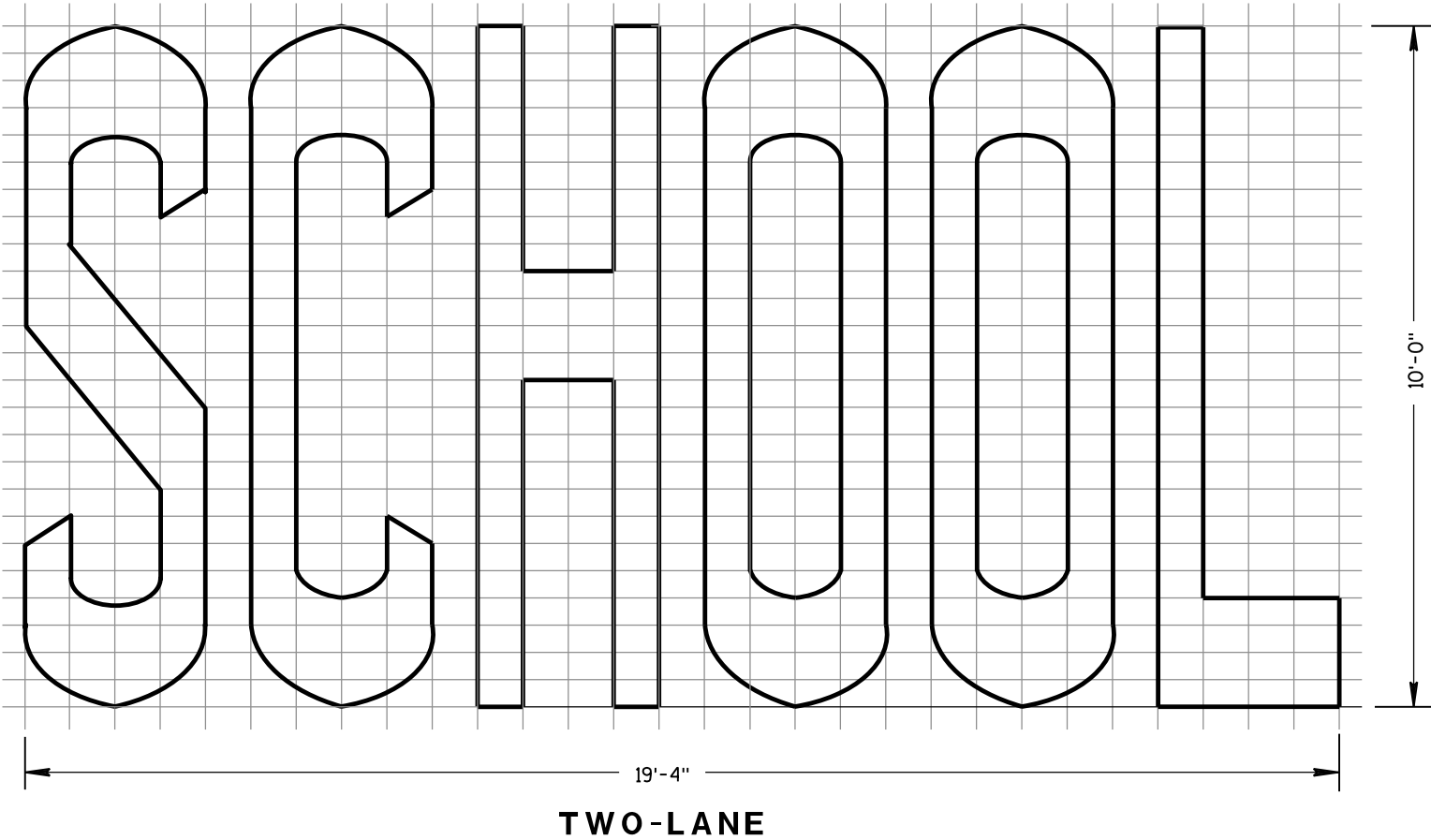
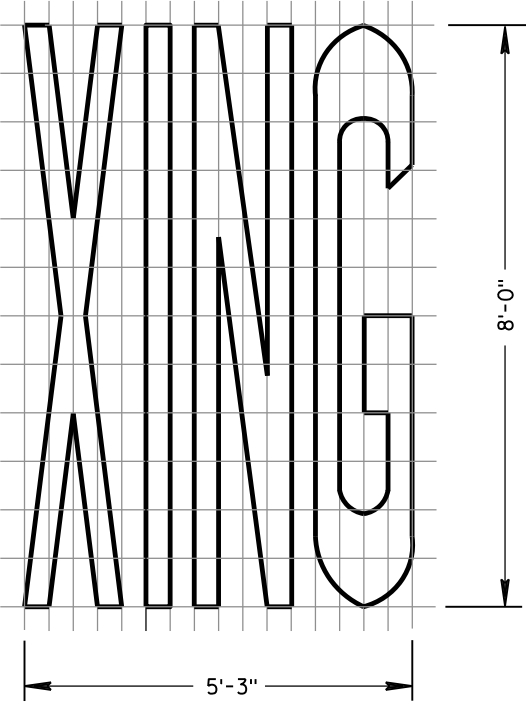
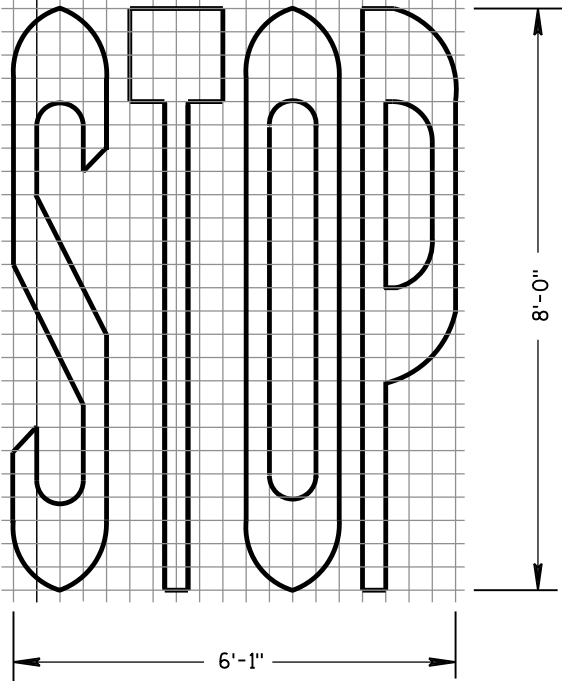
APPROVED

June 2017
DATE/S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER

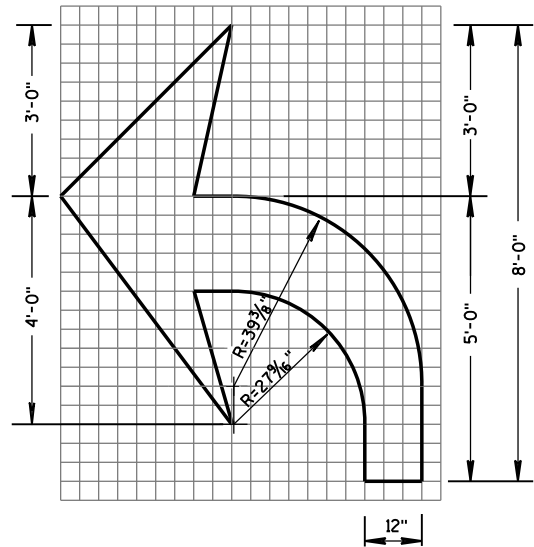
FHWA

GENERAL NOTES

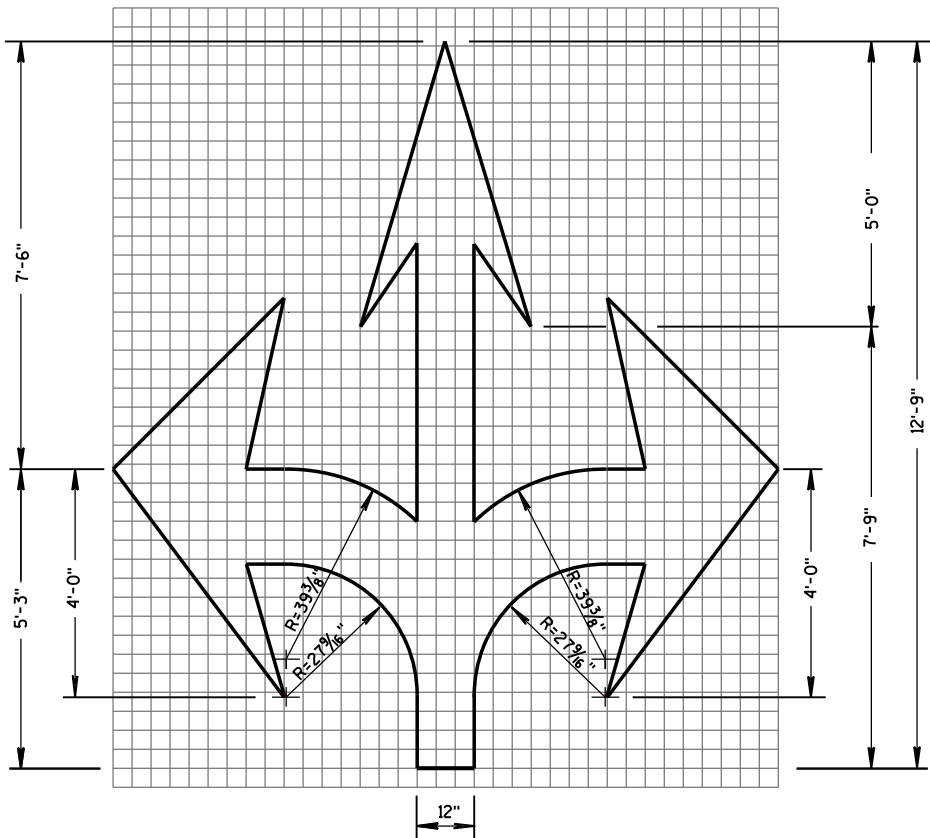
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



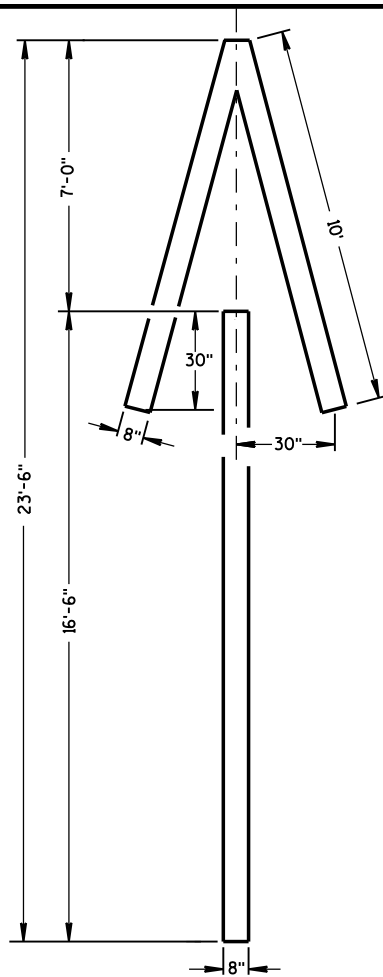
PAVEMENT MARKING WORDS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MARKING ENGINEER
FHWA	



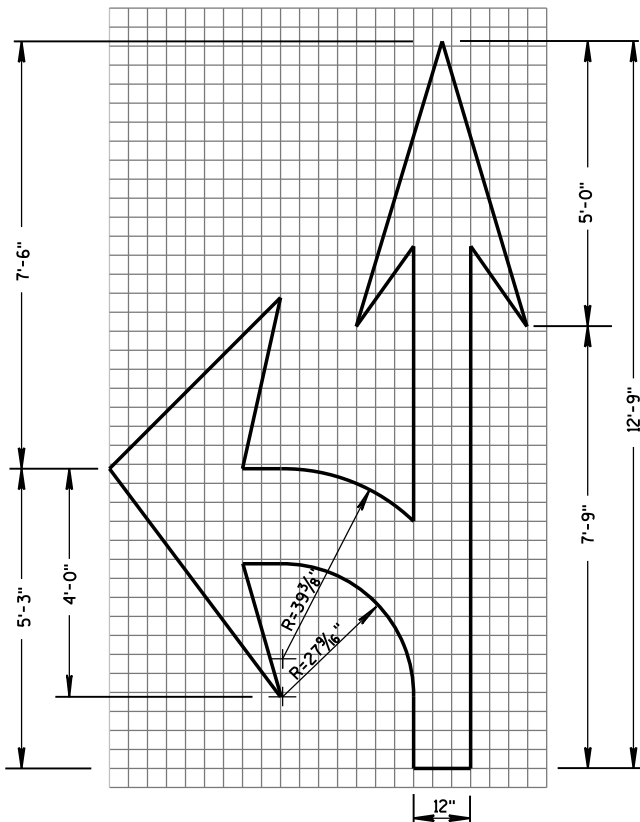
TYPE 2



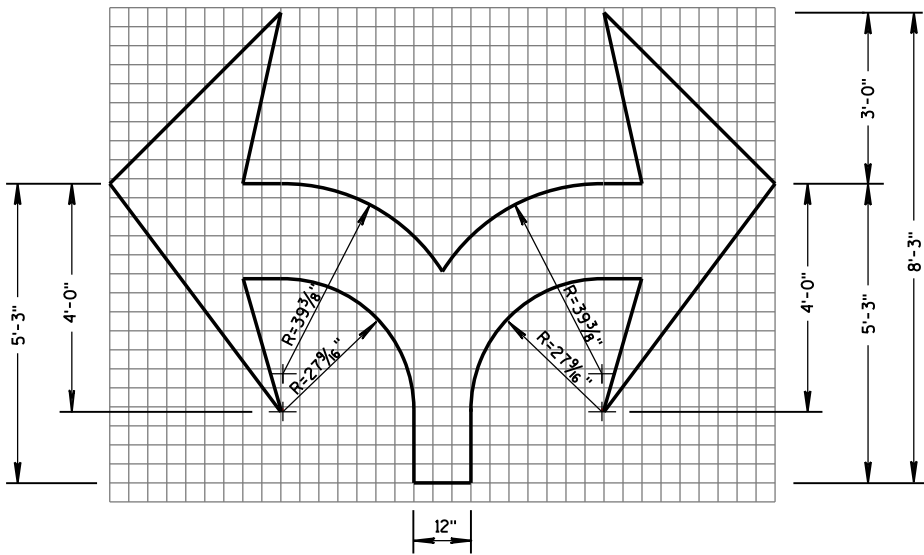
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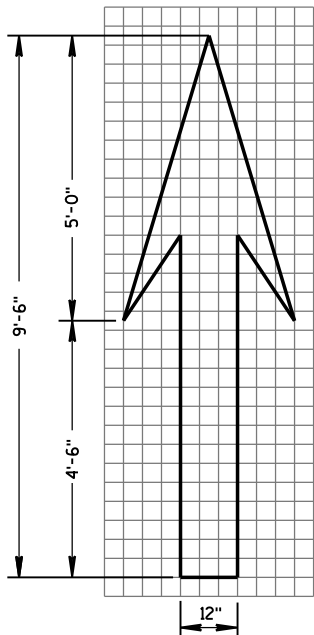
TYPE 4



TYPE 3



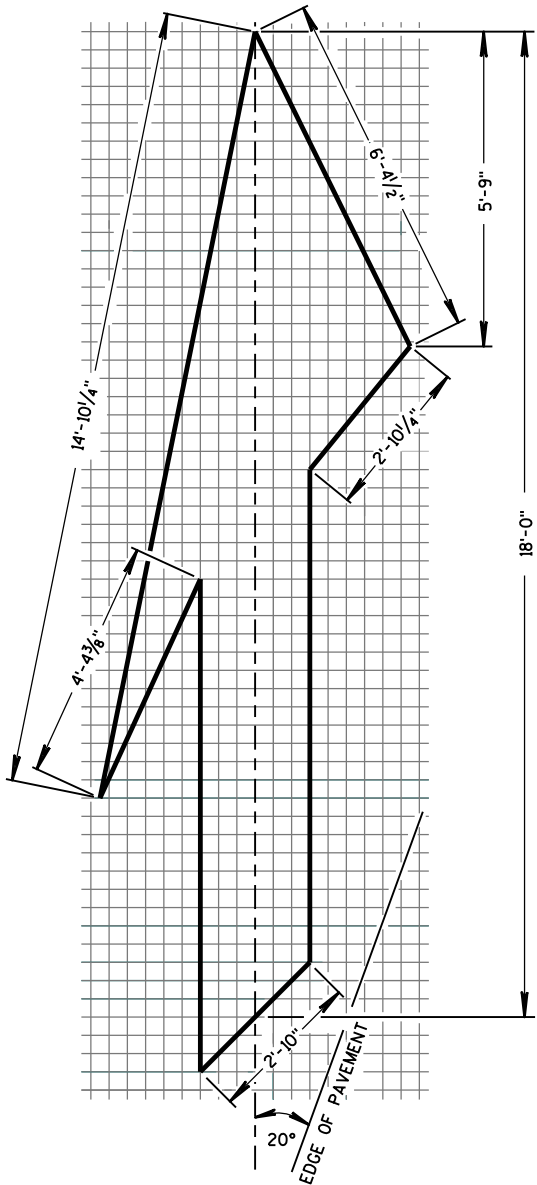
TYPE 7



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.

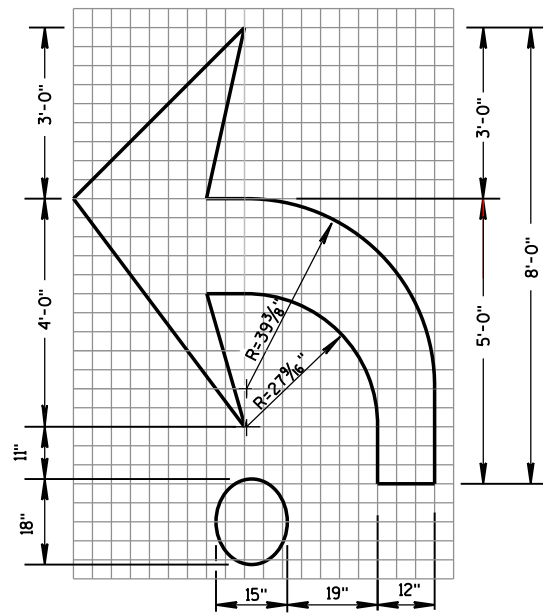


TYPE 5 LANE DROP ARROW

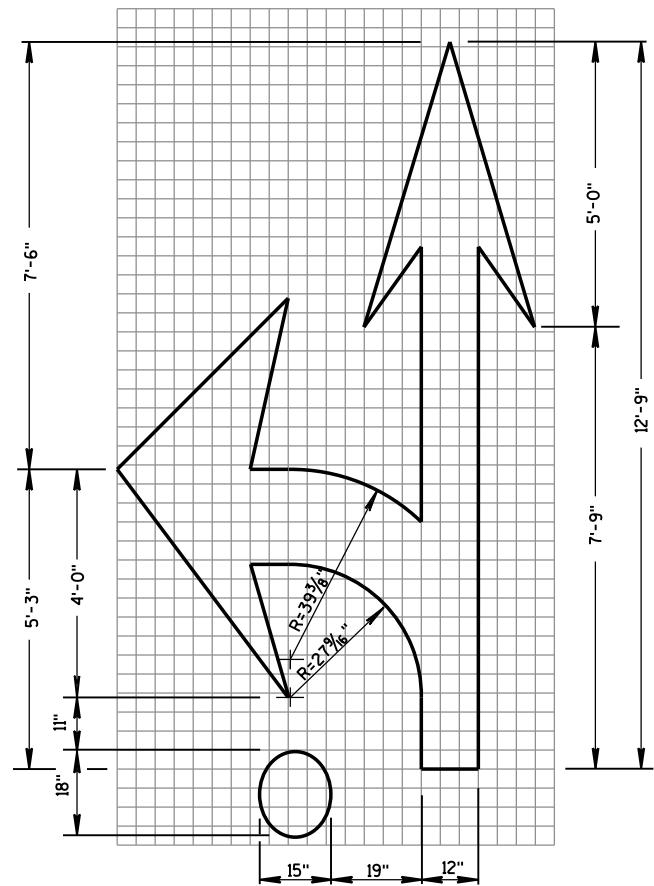
PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

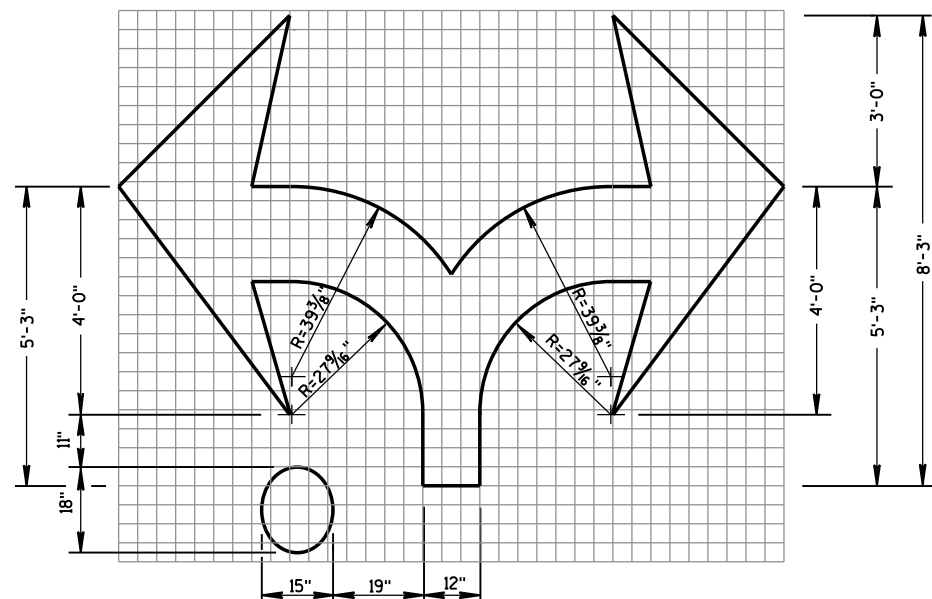
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TYPE 2R



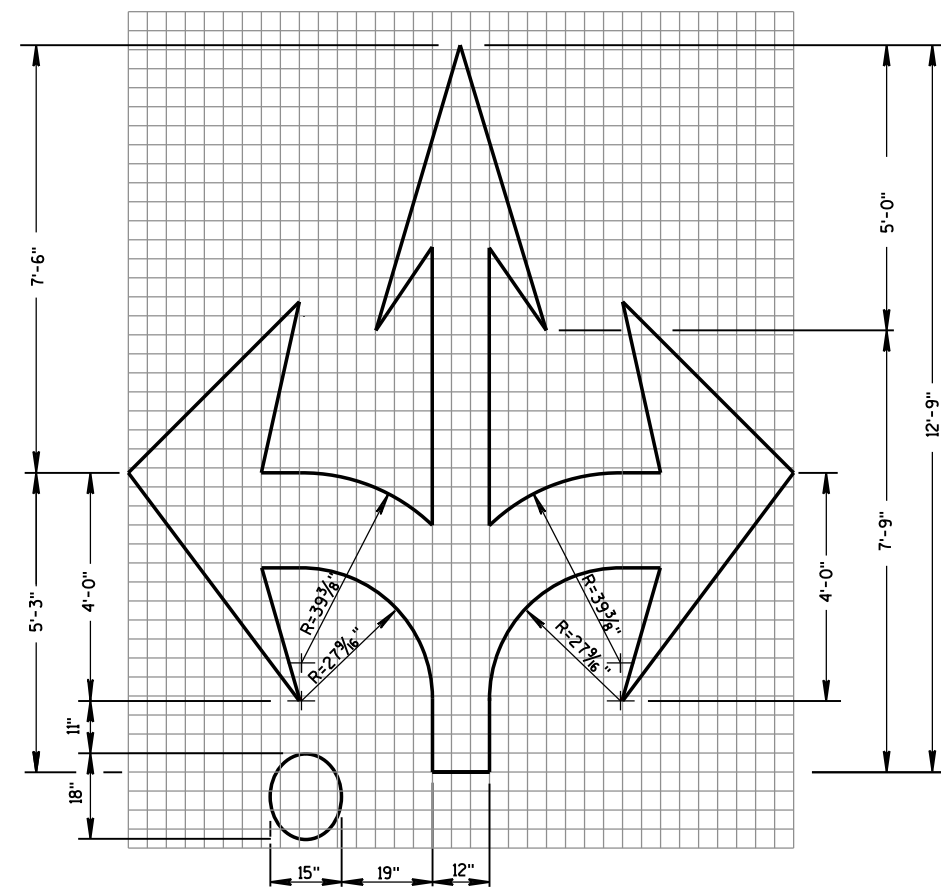
TYPE 3R



TYPE 7R

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 6R

ROUNDBOUT ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

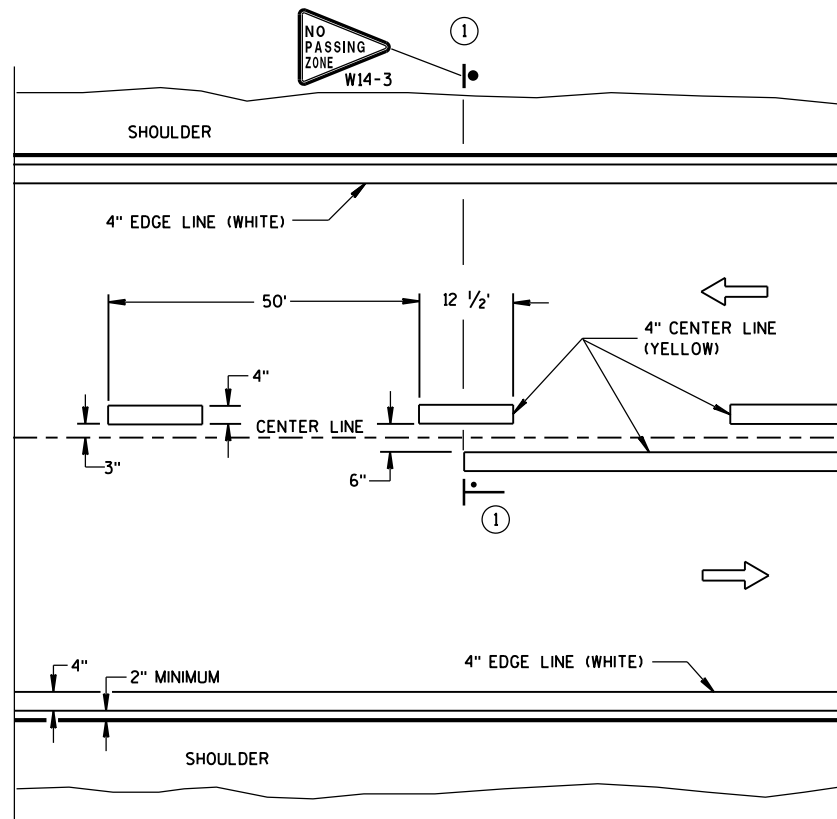
APPROVED

June 2017
DATE

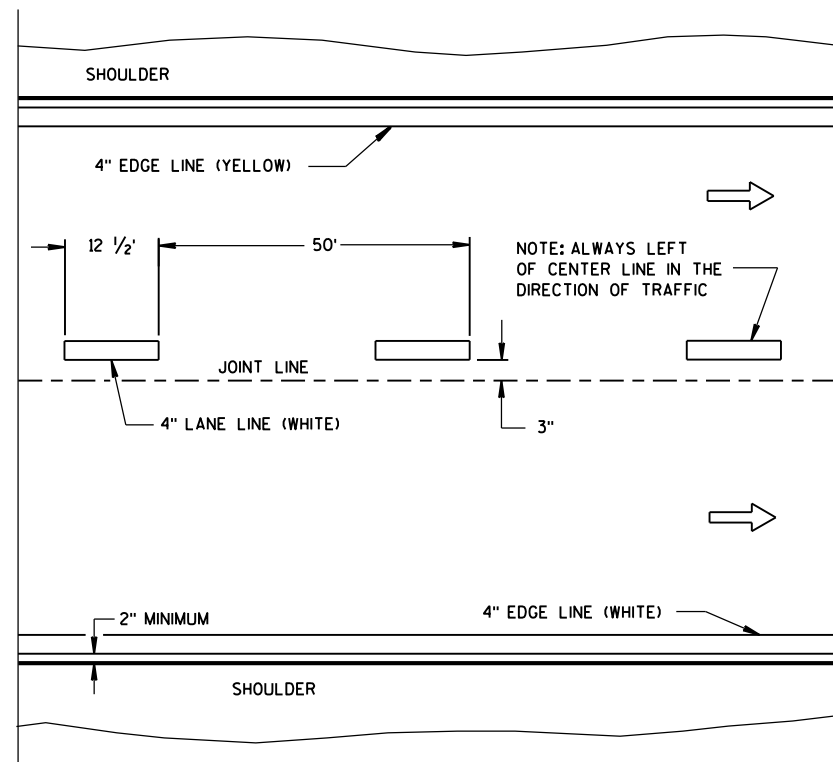
/S/ Matthew R. Rauch

STATE SIGNING AND MARKING ENGINEER

FHWA

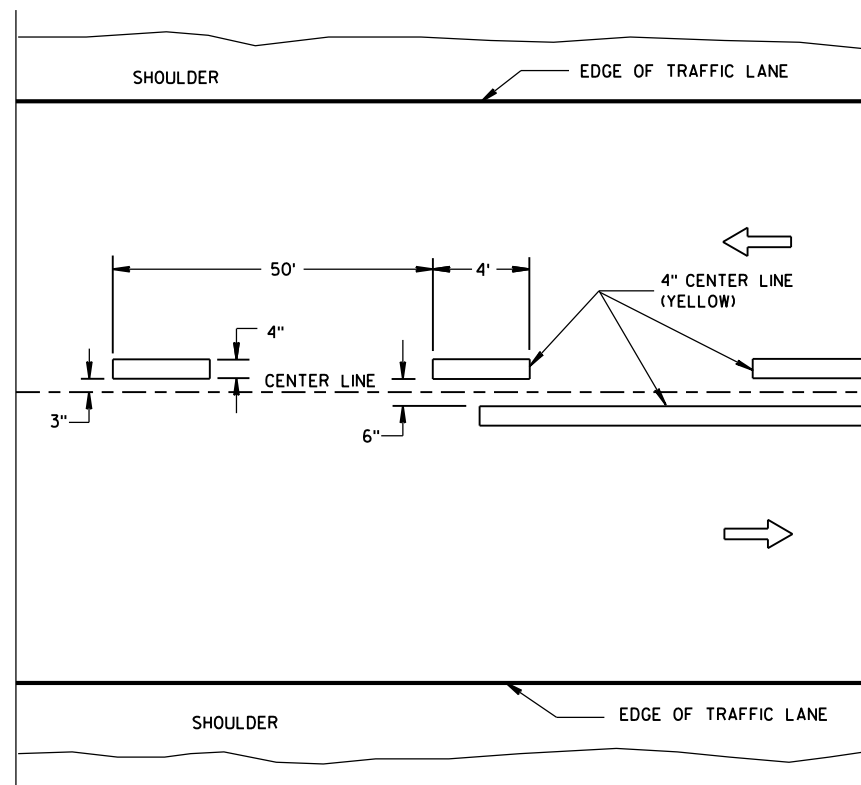


TWO WAY TRAFFIC

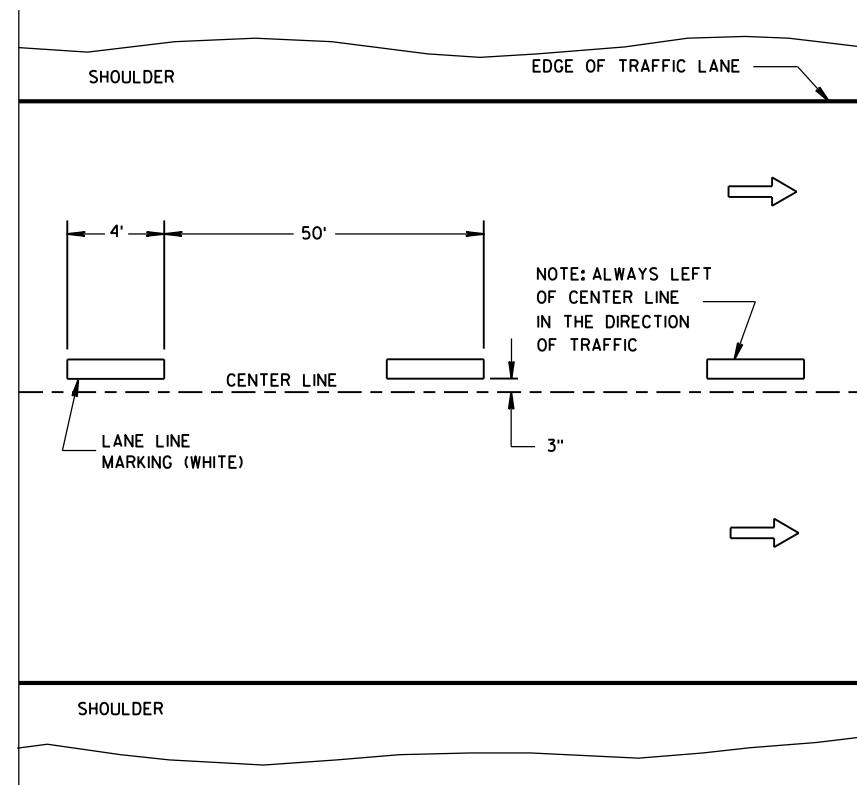


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

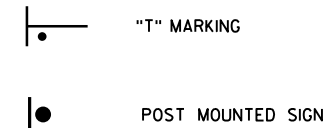
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

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

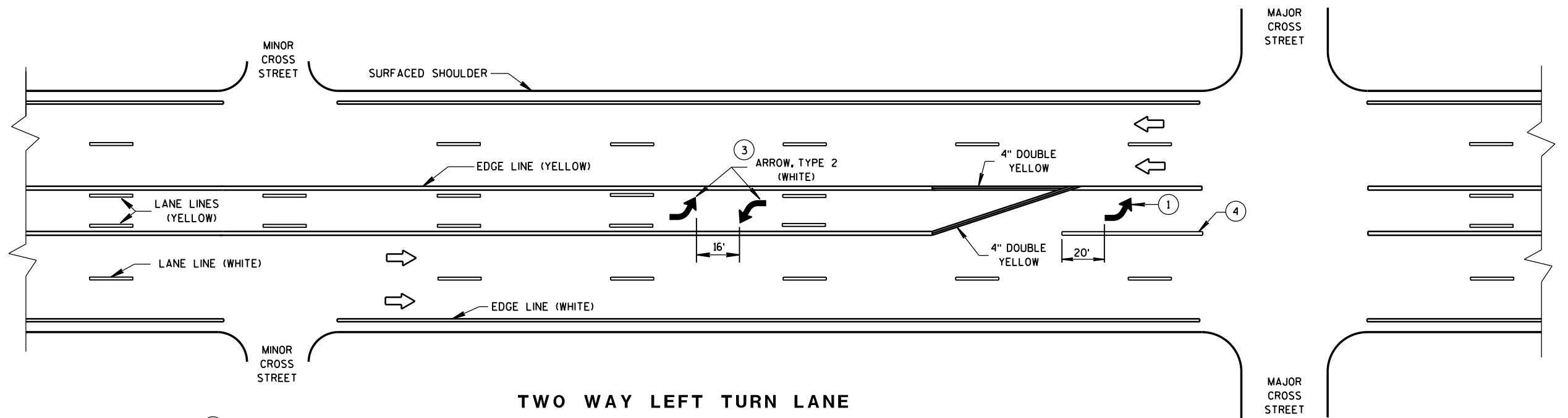
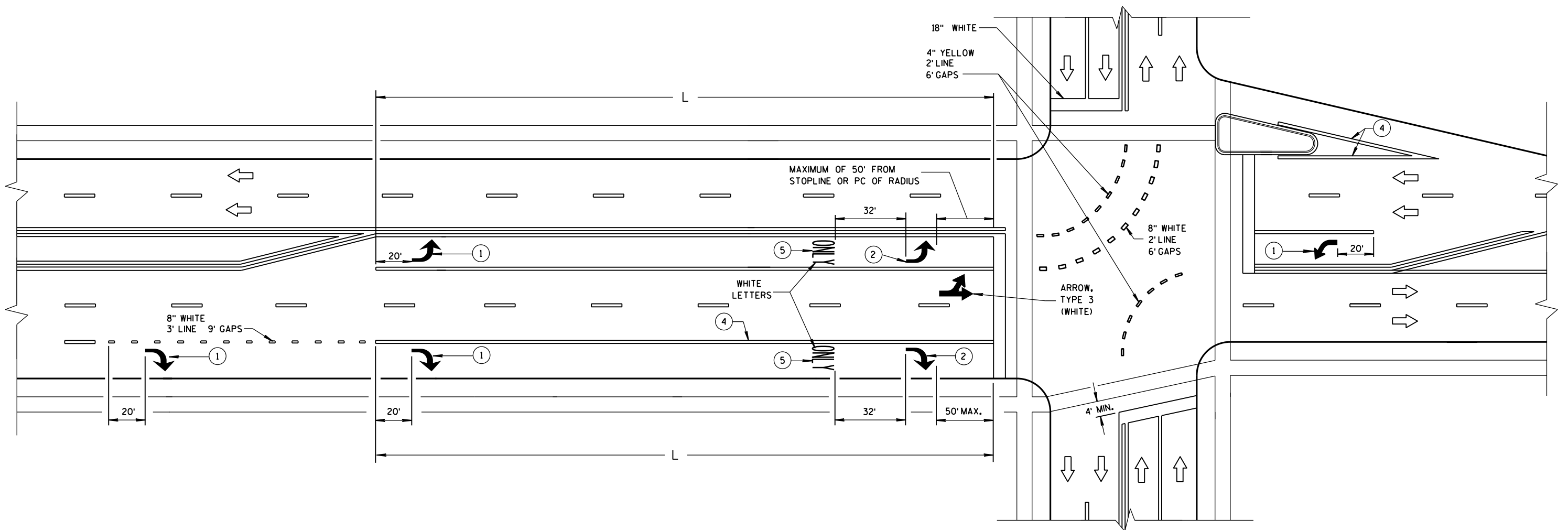
NOTE

ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL

LEGEND




LONGITUDINAL MARKING (MAINLINE)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017	/S/ Matthew R. Rauch
DATE	STATE SIGNING AND MARKING ENGINEER
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.

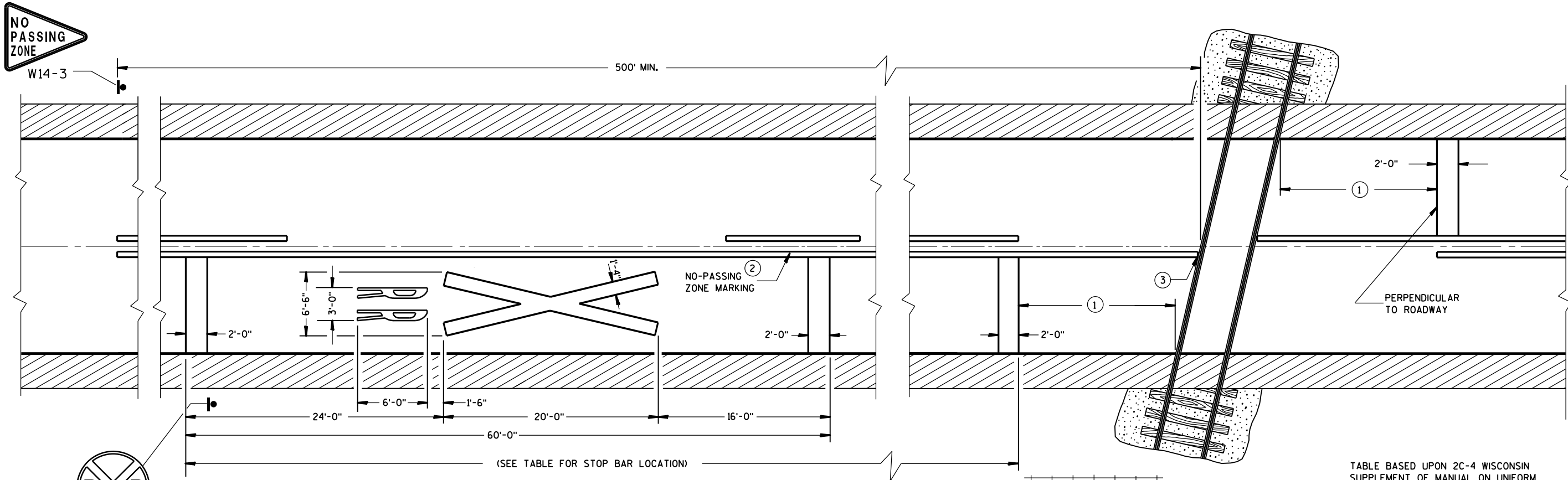
TWO WAY LEFT TURN LANE

NOTE:
ARROW SYMBOL ()
SHOWS DIRECTION OF TRAVEL

L = LENGTH OF TURN BAY

PAVEMENT MARKING
(TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PAVEMENT MARKING

GENERAL NOTES

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

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

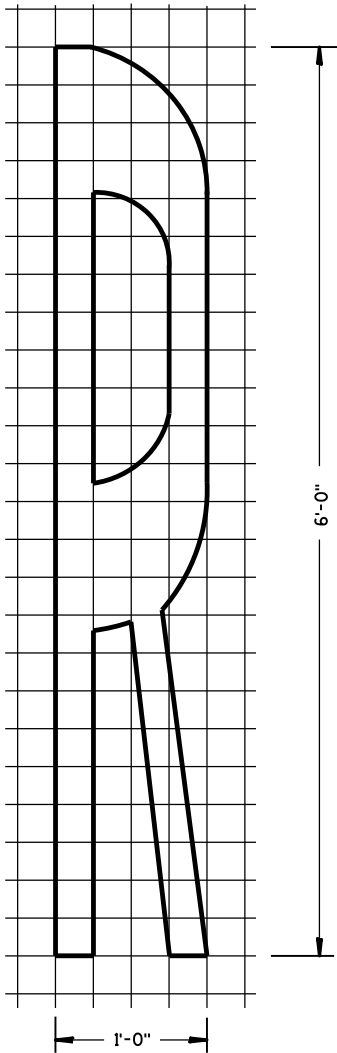
RETRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

- ① MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.
- ② 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.
- ③ FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250

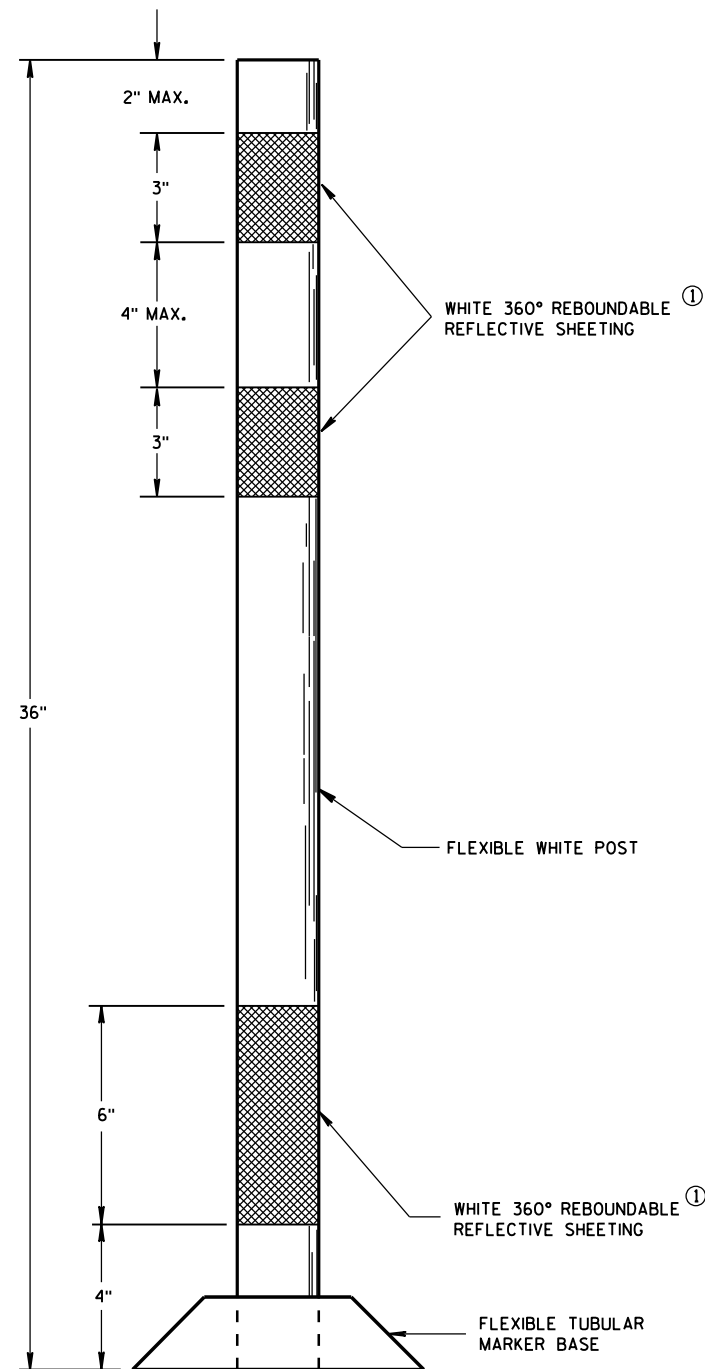
* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



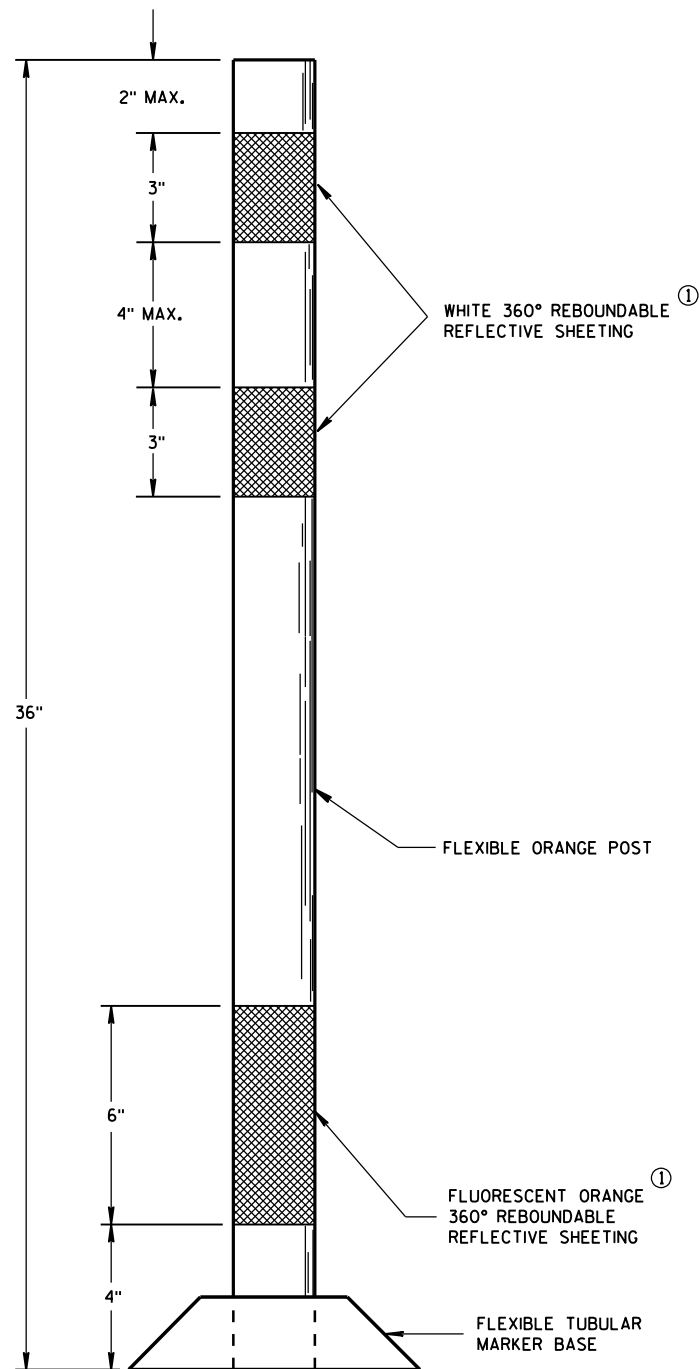
SIGNING AND PAVEMENT MARKING
DETAILS FOR RAILROAD-HIGHWAY
GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2017 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA



**FLEXIBLE
TUBULAR MARKER POST
PERMANENT CROSSOVER**



**FLEXIBLE
TUBULAR MARKER POST
WORK ZONE**

GENERAL NOTES

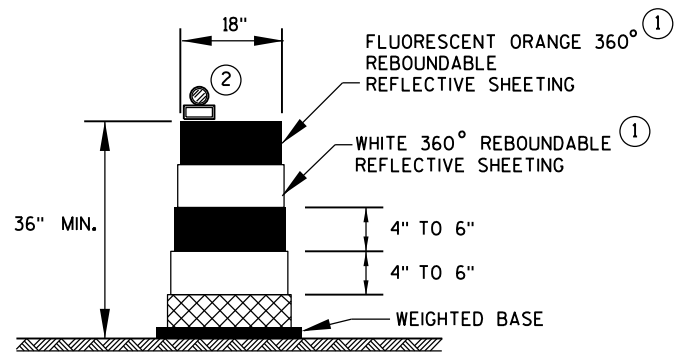
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

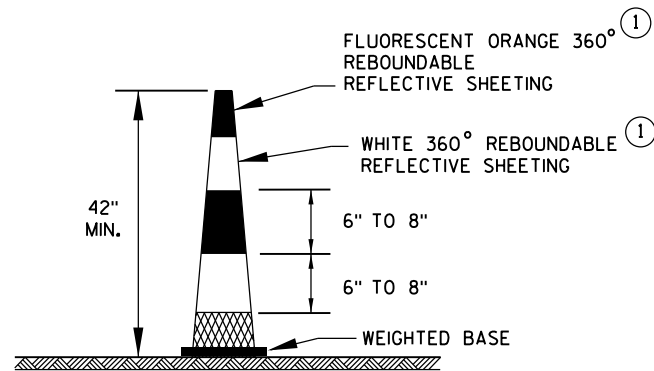
THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

- ① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Andrew Heldtke WORK ZONE ENGINEER
FHWA	



DRUM

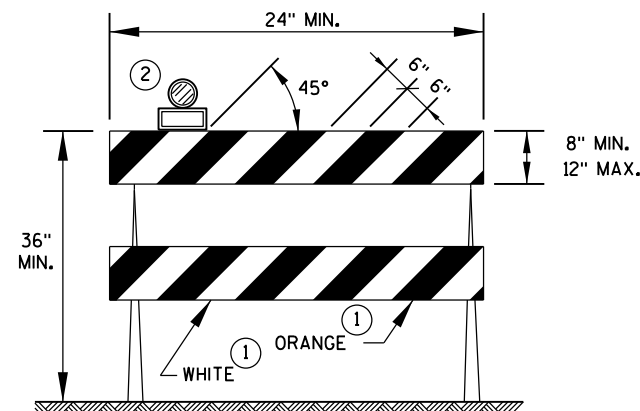


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

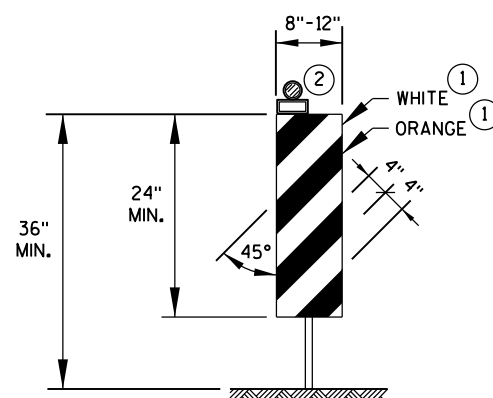
GENERAL NOTES

- ① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- ② LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



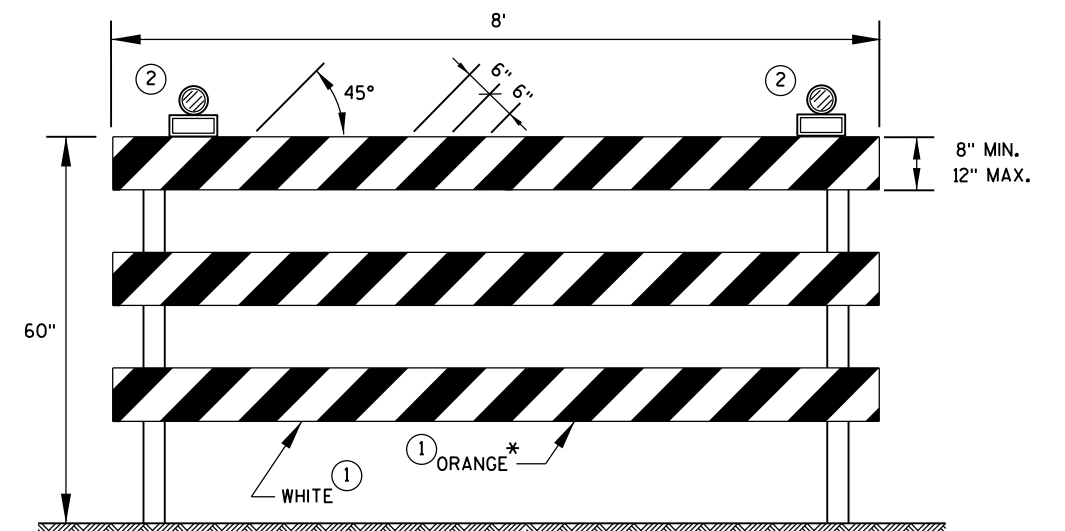
TYPE 2 BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED.
ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 3 BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017
DATE

FHWA

/S/ Andrew Heidtke
WORK ZONE ENGINEER

LEGEND

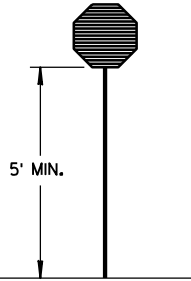
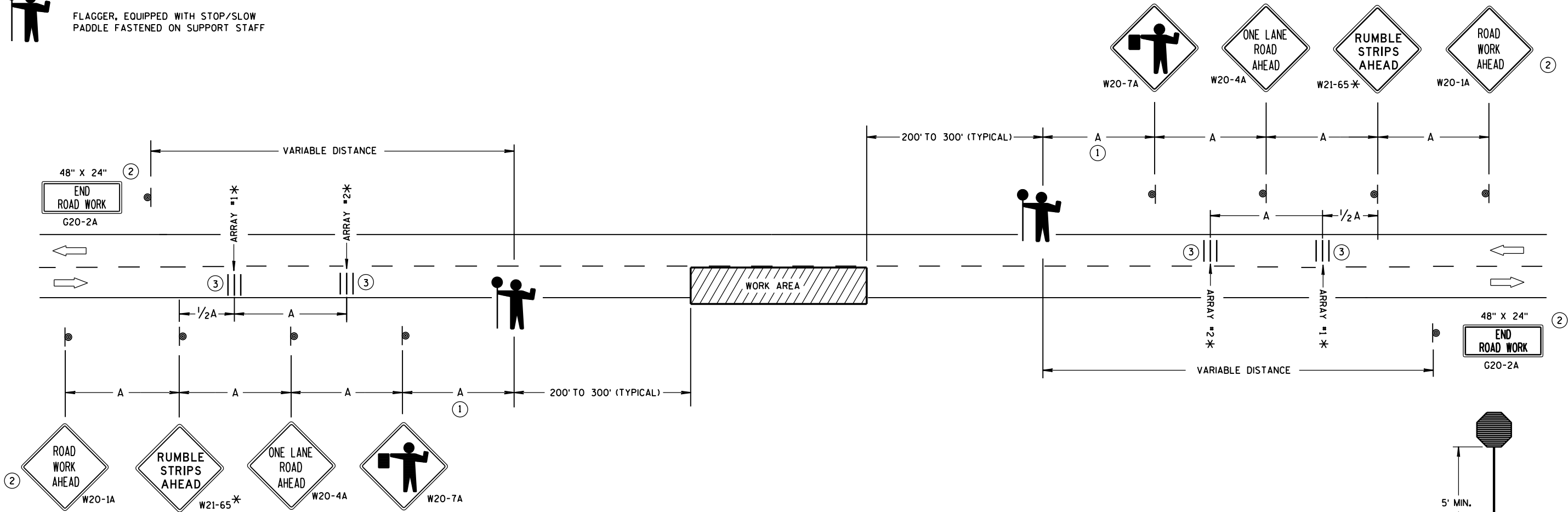
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING A
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING A.



STOP/SLOW PADDLE ON SUPPORT STAFF

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

"W0" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

WHEN A SIDE ROAD OR 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 APPROVED BY THE ENGINEER.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, REMOVE TEMPORARY RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

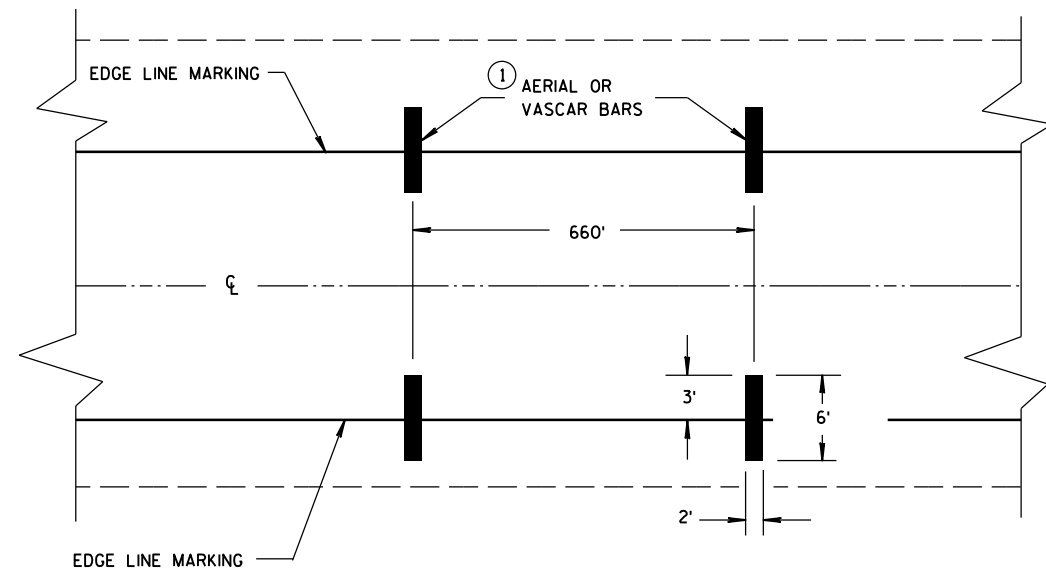
* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

- FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

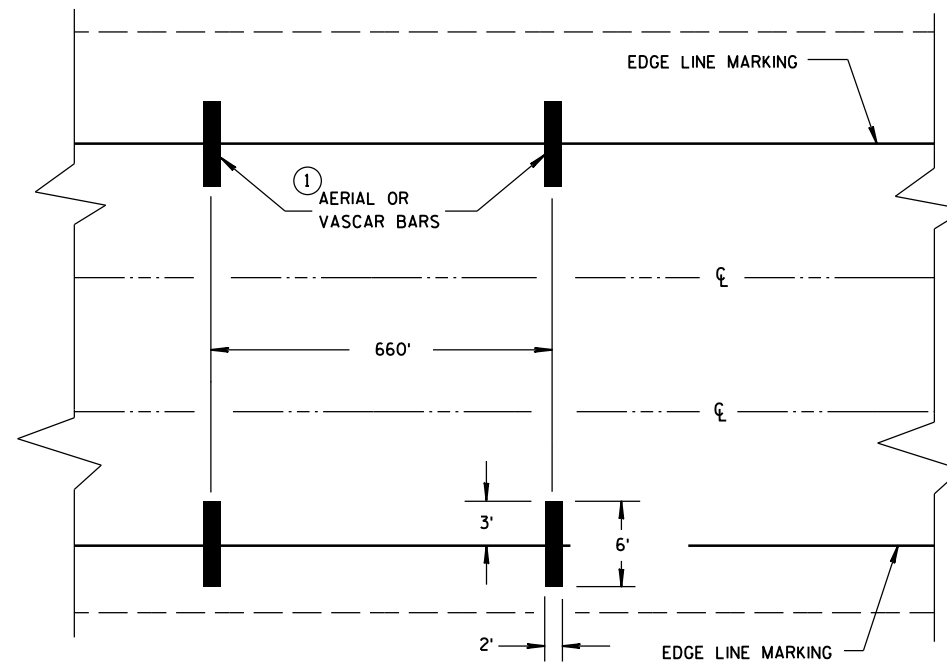
TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 /S/ Andrew Heldtke
DATE WORK ZONE ENGINEER
FHWA



TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC



TYPICAL FOR MULTILANE TRAFFIC

SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS

GENERAL NOTES

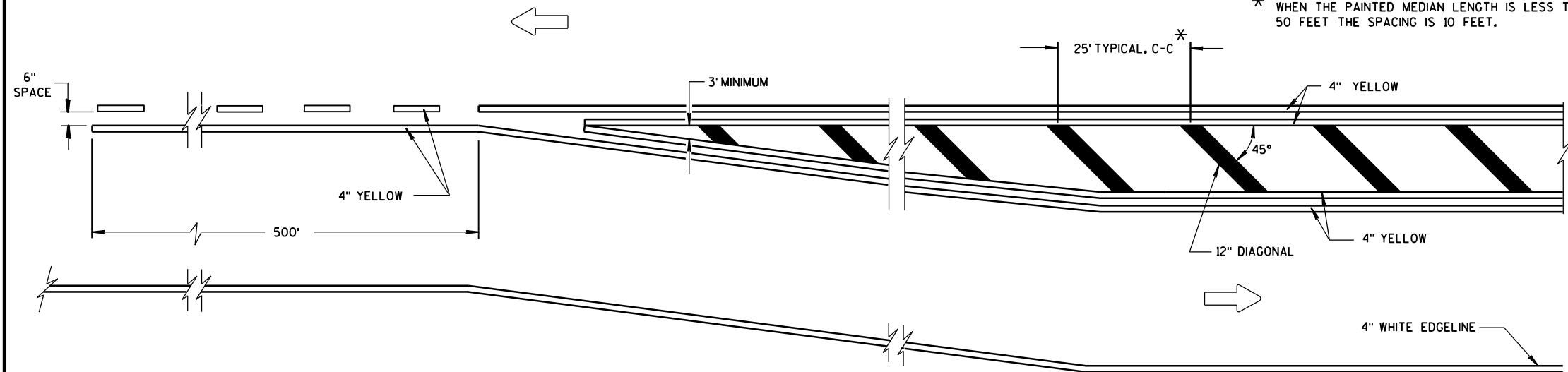
① PLACE TWO TO FIVE AERIAL OR VASCAR BARS AT 660 FOOT SPACING.

A CAR CAN BE PROVIDED BY THE WISCONSIN STATE PATROL FOR TRAFFIC CONTROL.

AERIAL ENFORCEMENT BARS
PAVEMENT MARKING DETAILS

STATE OF WISCONSIN
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DATE STATE SIGNING AND MARKING ENGINEER
FHWA

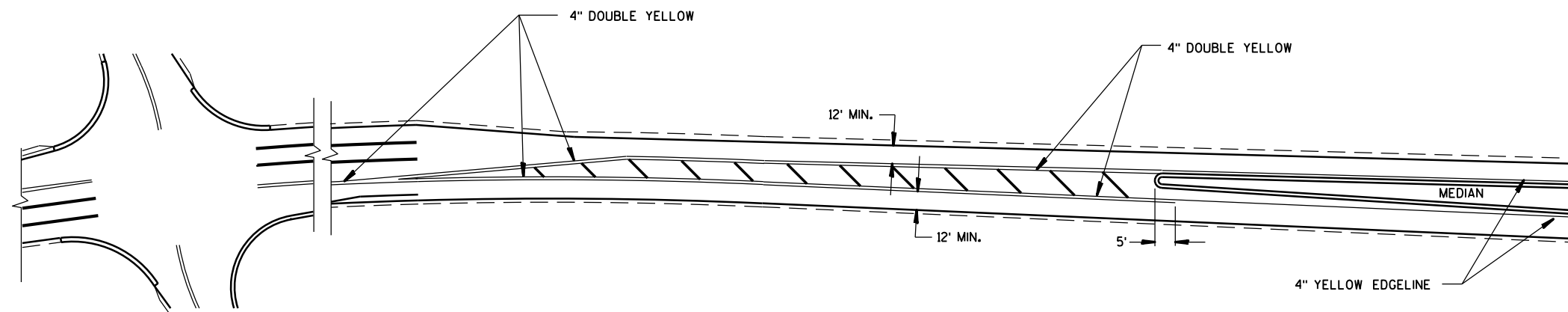


MEDIAN ISLAND DETAIL

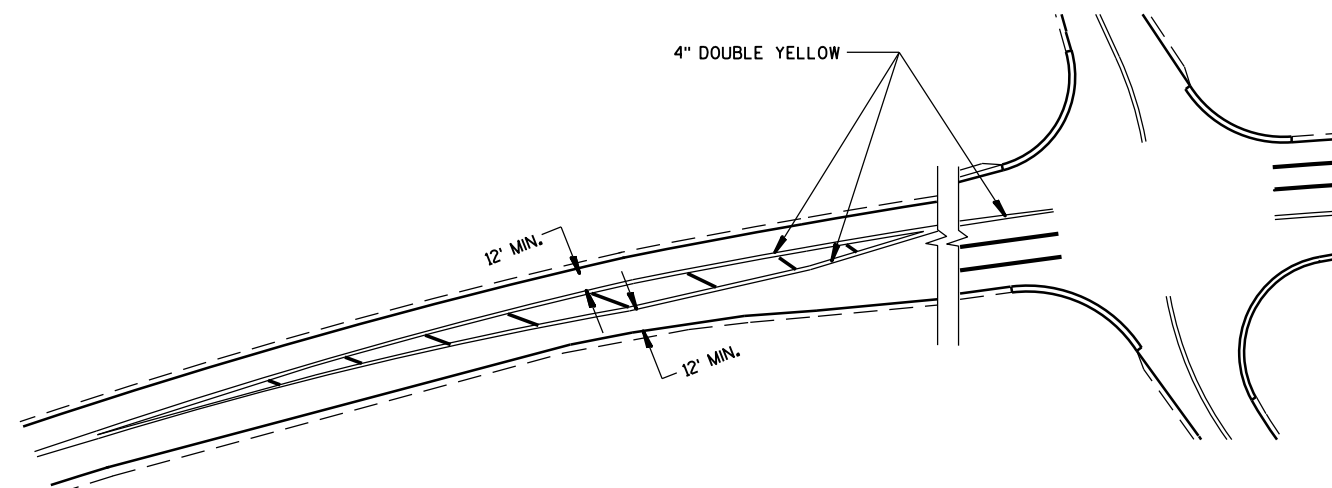
GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

➡ DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES

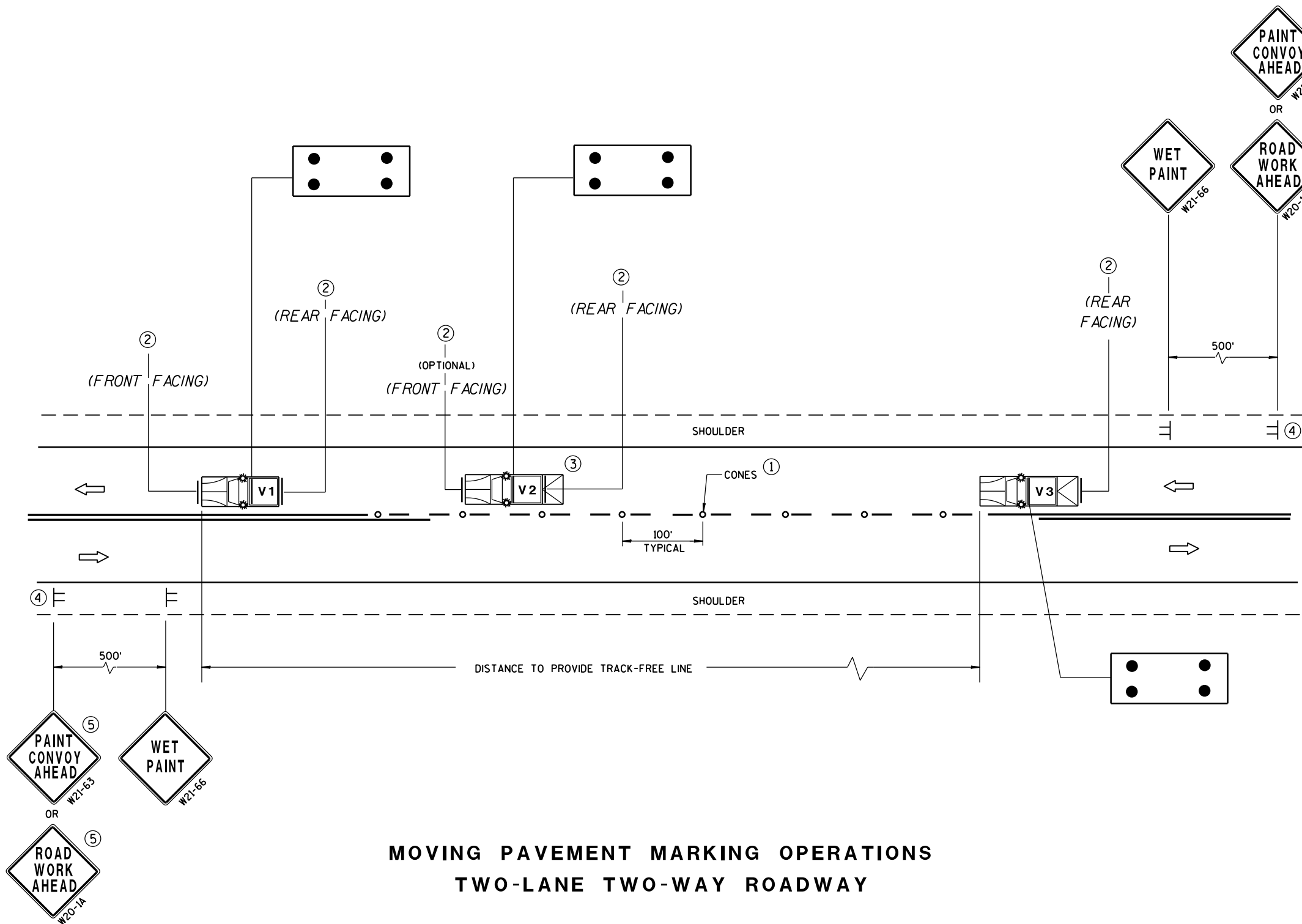


NON APPROACH MARKINGS

MEDIAN ISLAND MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 /S/ Matthew Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA



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.





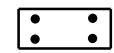
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

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.

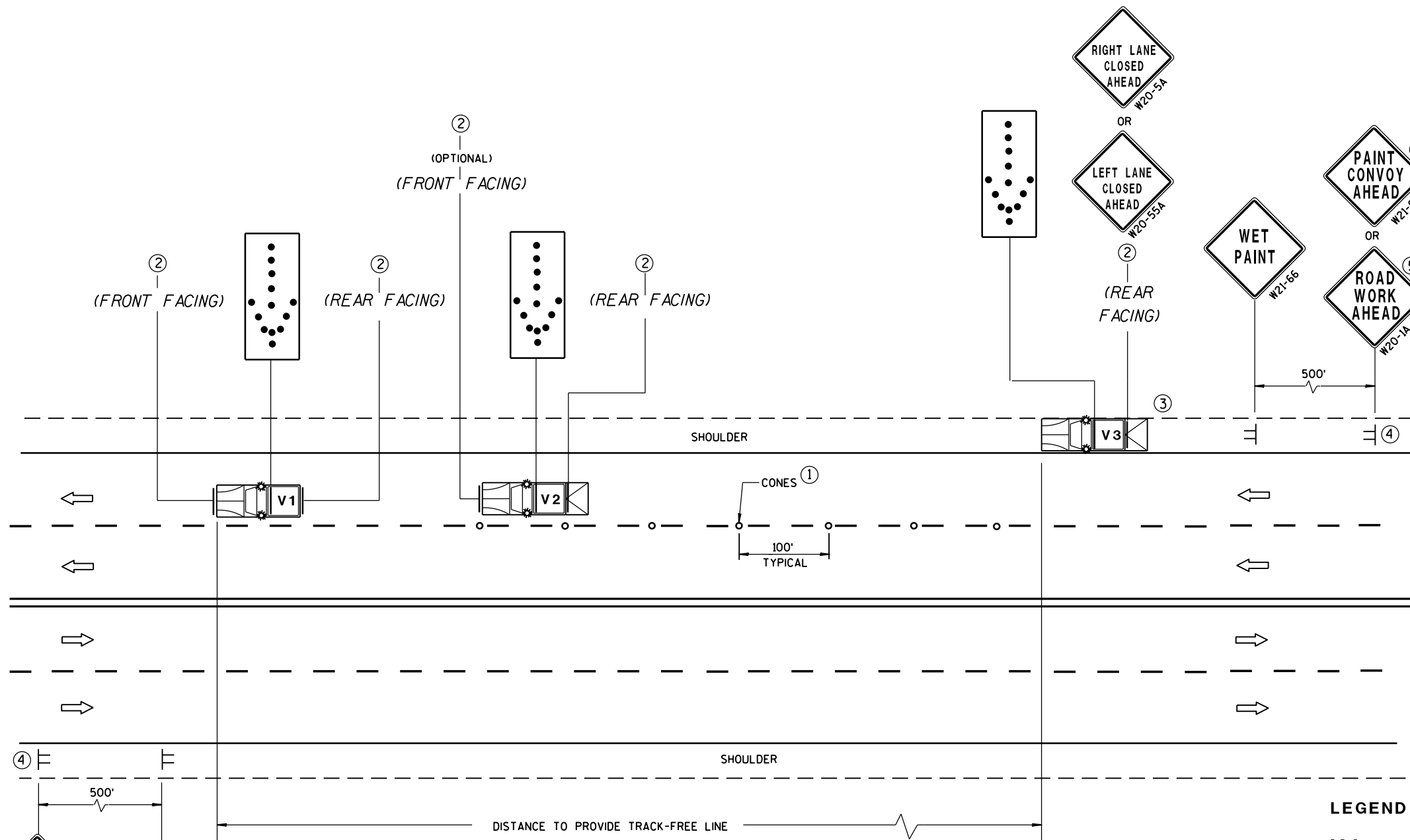
- ① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- ② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.
 OR 
- ③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.
- ④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
- ⑤ IF CONSTRUCTION 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 OPERATIONS
TWO-LANE TWO-WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED DATE Sept., 2017	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	



MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE UNDIVIDED 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.

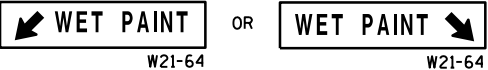
FOR EDGE LINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH.

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

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGE LINE OR LANELINE MARKING FOR MULTILANE UNDIVIDED 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 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

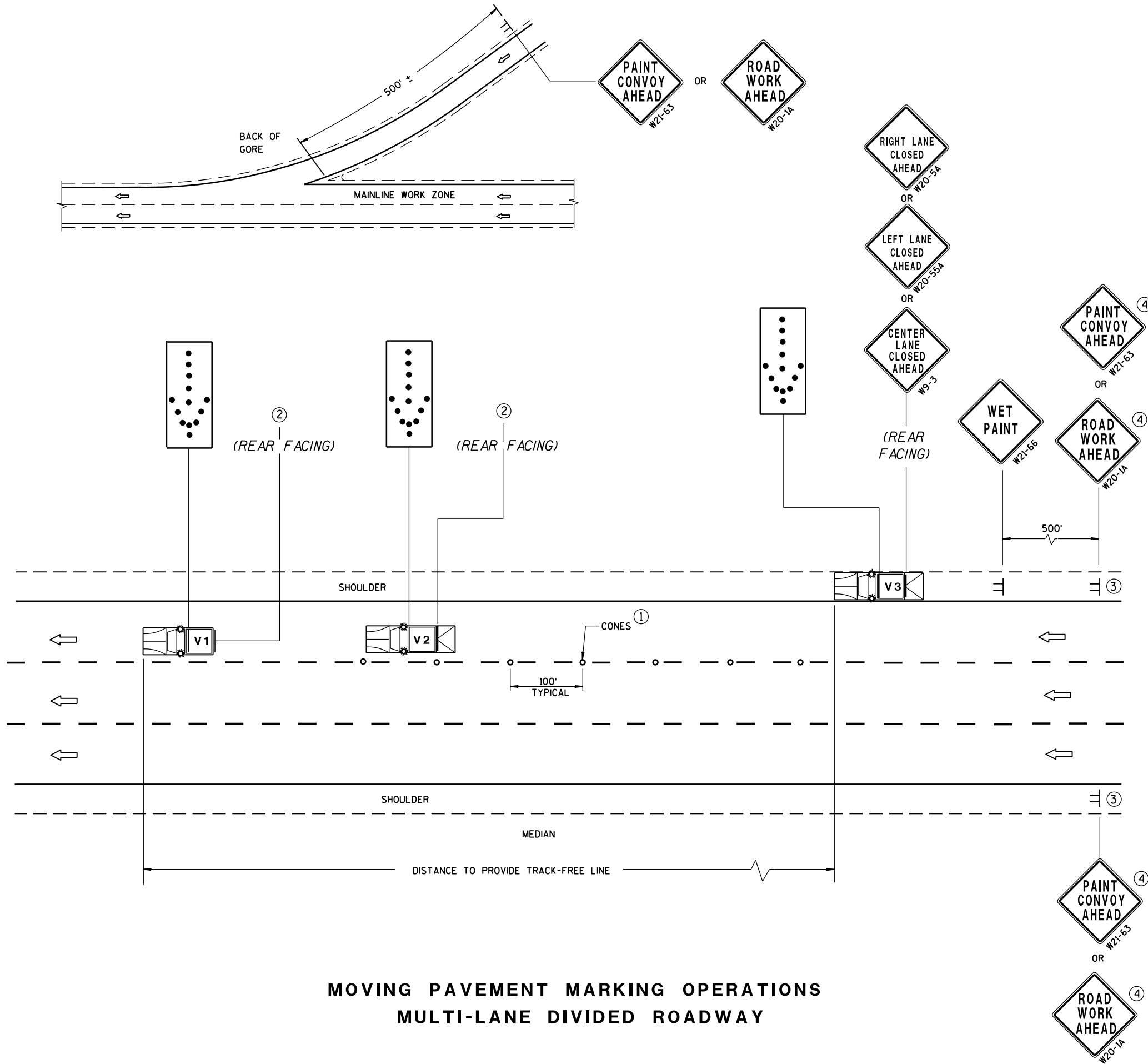
Cones

Flashing arrow panel (merge)

MOVING PAVEMENT MARKING
OPERATION
MULTI-LANE UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2017 /S/ Andrew Heldtke
DATE WORK ZONE ENGINEER
FHWA



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 EDGE LINE 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 EDGE LINE 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.
 OR 
W21-64 W21-64
- 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 DATE Sept. 2017	/S/ Andrew Heldtke WORK ZONE ENGINEER
FHWA	



<p>YIELD MARKINGS</p>	
<p>STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION</p>	
<p>APPROVED</p> <p><u>4-18-2016</u> DATE</p>	<p><u>/S/ Matthew R. Rauch</u> STATE SIGNING AND MARKING ENGINEER</p>
<p>FHWA</p>	

GENERAL NOTES

SIGNING AND MARKING IS SHOWN AS TYPICAL PLACEMENT. FIELD CONDITIONS MAY DICTATE CHANGES IN SIGNING AND MARKING PLACEMENT.

A DISTANCE DEPENDENT ON SPEED (SEE TABLE)

1 USED ONLY WHEN APPROVED BY REGION TRAFFIC ENGINEER.

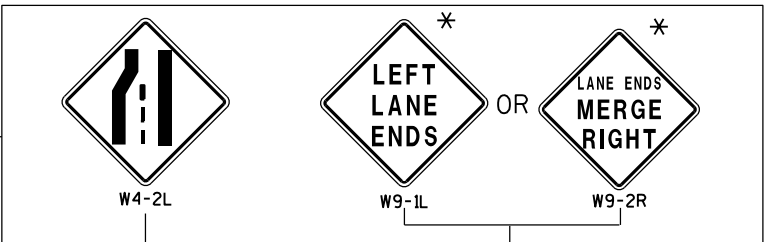
SYMBOLS

- * SIGNS MAY BE OMITTED IF SPACE DOES NOT PERMIT
- * * IF POSTED SPEED 45 MPH OR GREATER, PLACE W5-54 SIGN UNDER R4-7 SIGN. MOUNT W5-54 SIGN AT 4' MOUNTING HEIGHT (TOP OF ROADWAY TO BOTTOM OF SIGN)
- POST MOUNTED SIGN
- DIRECTION OF TRAFFIC FLOW

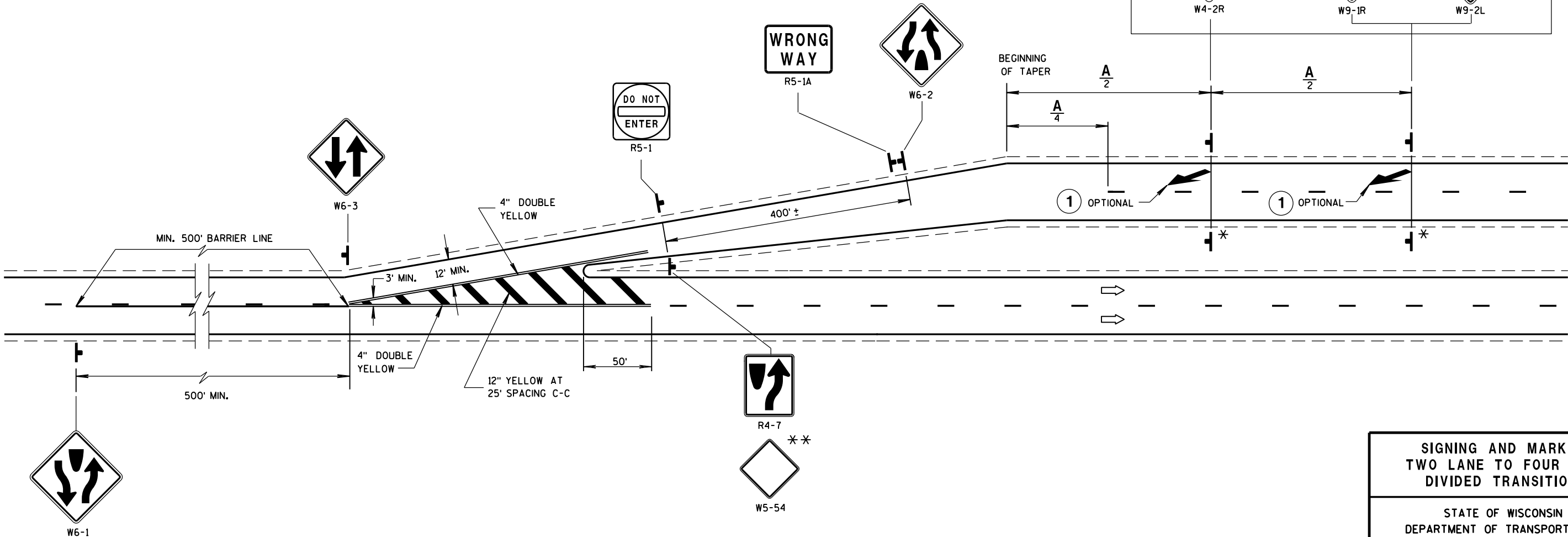
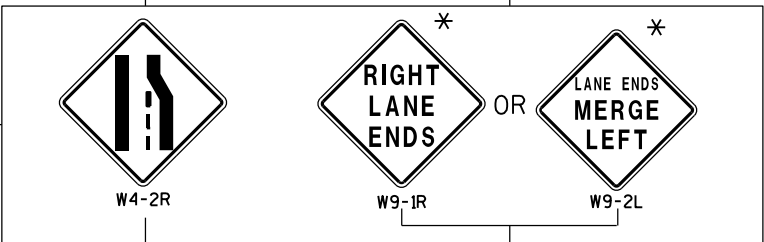
DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
25	325
30	460
35	565
40	670
45	775
50	885
55	990

OPTION 2



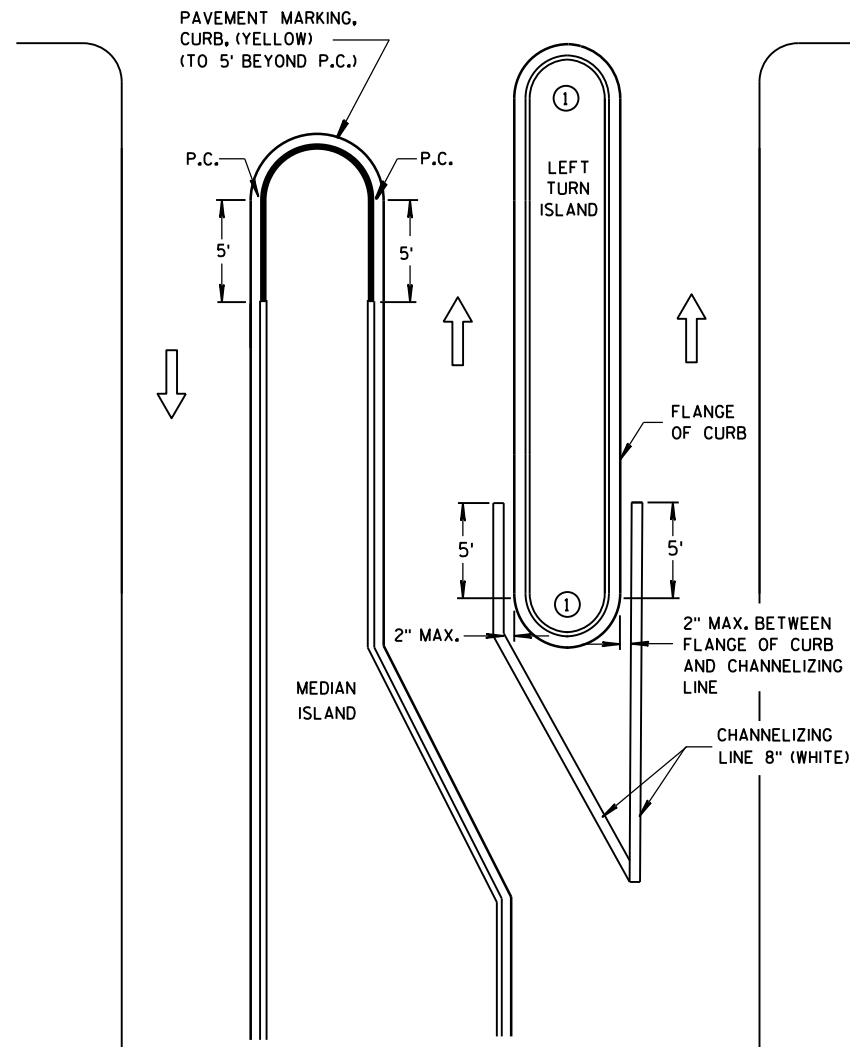
OPTION 1



SIGNING AND MARKING
TWO LANE TO FOUR LANE
DIVIDED TRANSITIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
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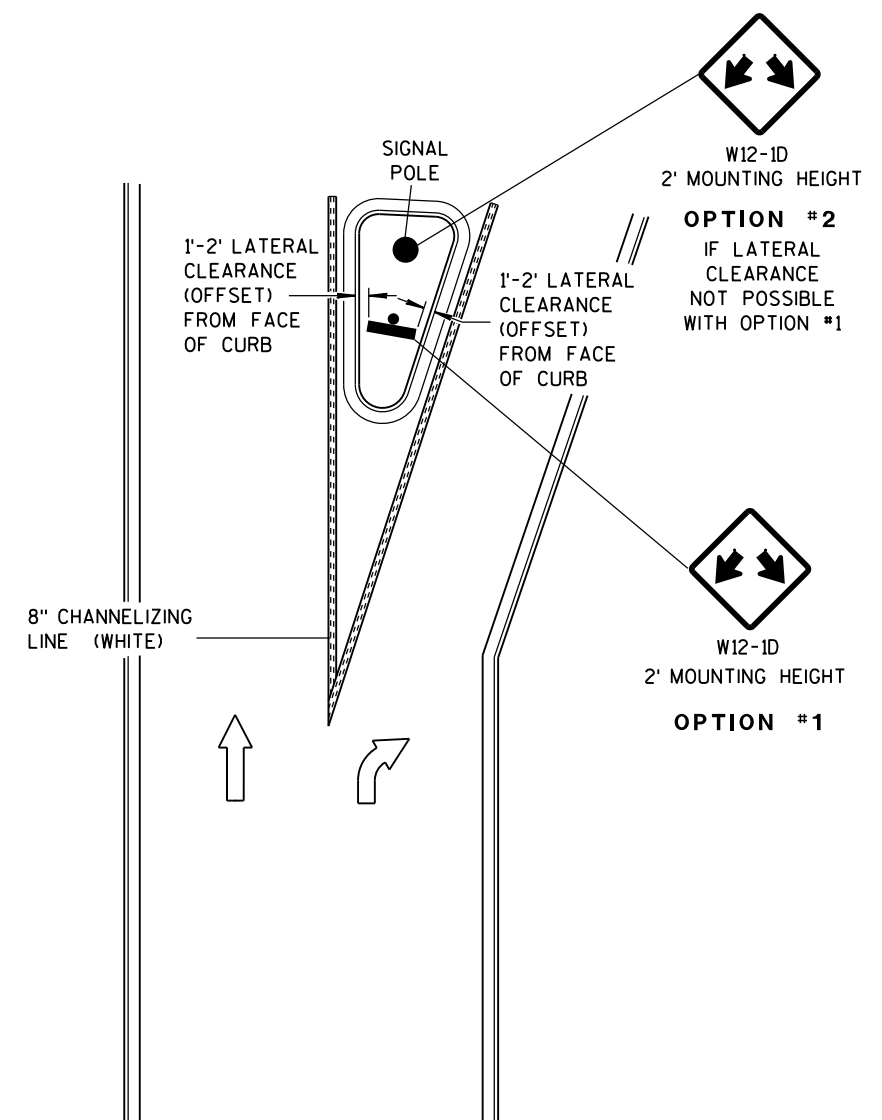


LEFT TURN & MEDIAN ISLAND

GENERAL NOTE

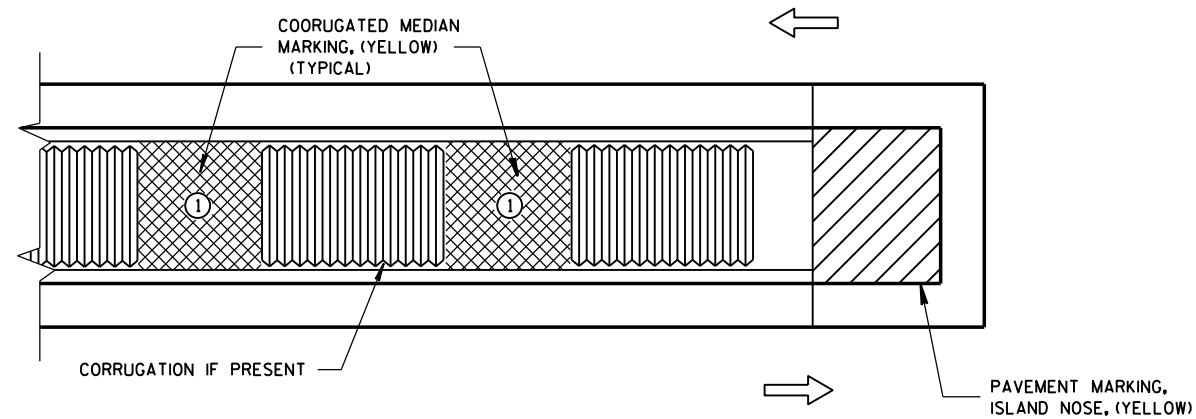
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.
SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

→ DIRECTION OF TRAVEL

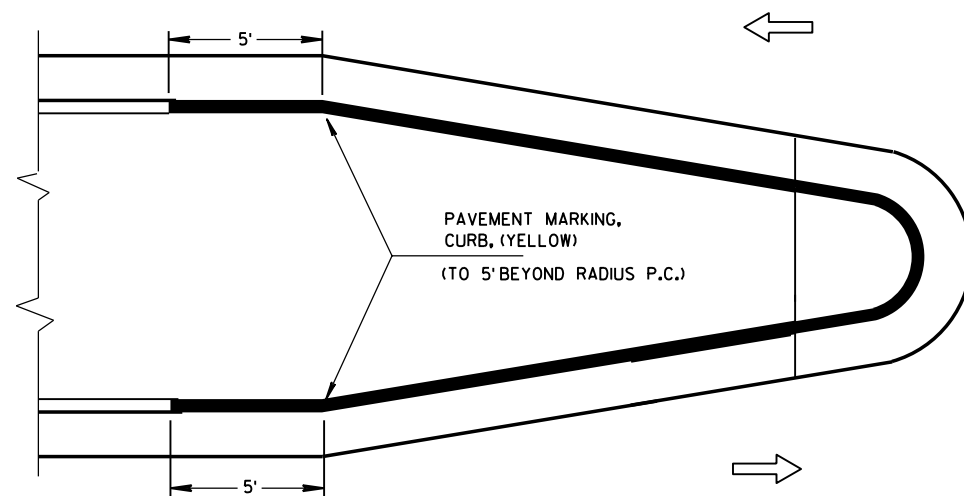


RIGHT TURN ISLAND

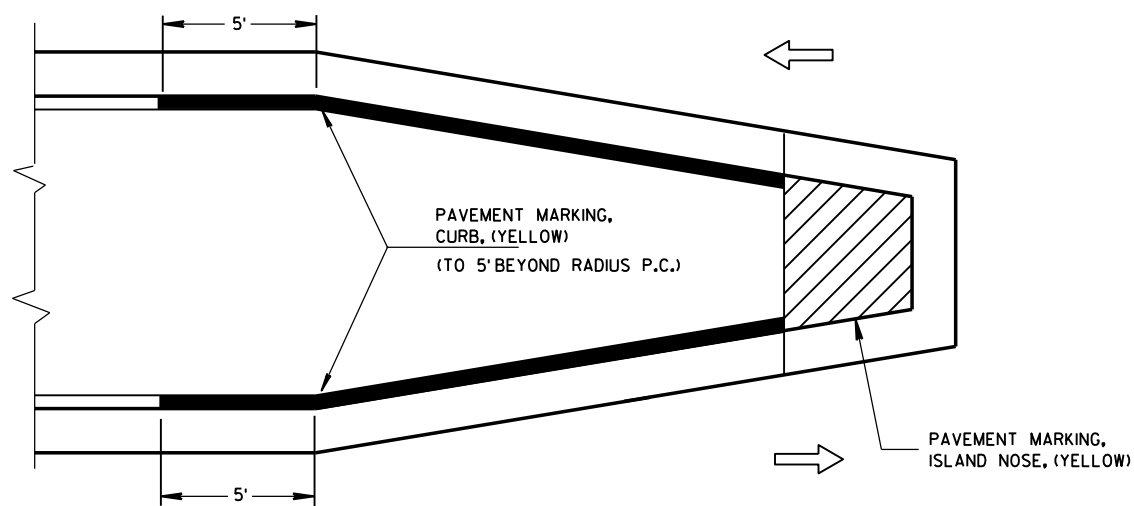
DOUBLE ARROW WARNING SIGN PLACEMENT	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Matthew Rauch STATE SIGNING AND MARKING ENGINEER FHWA



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE

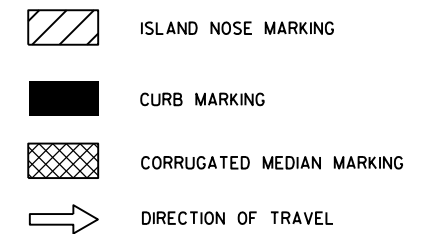


MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

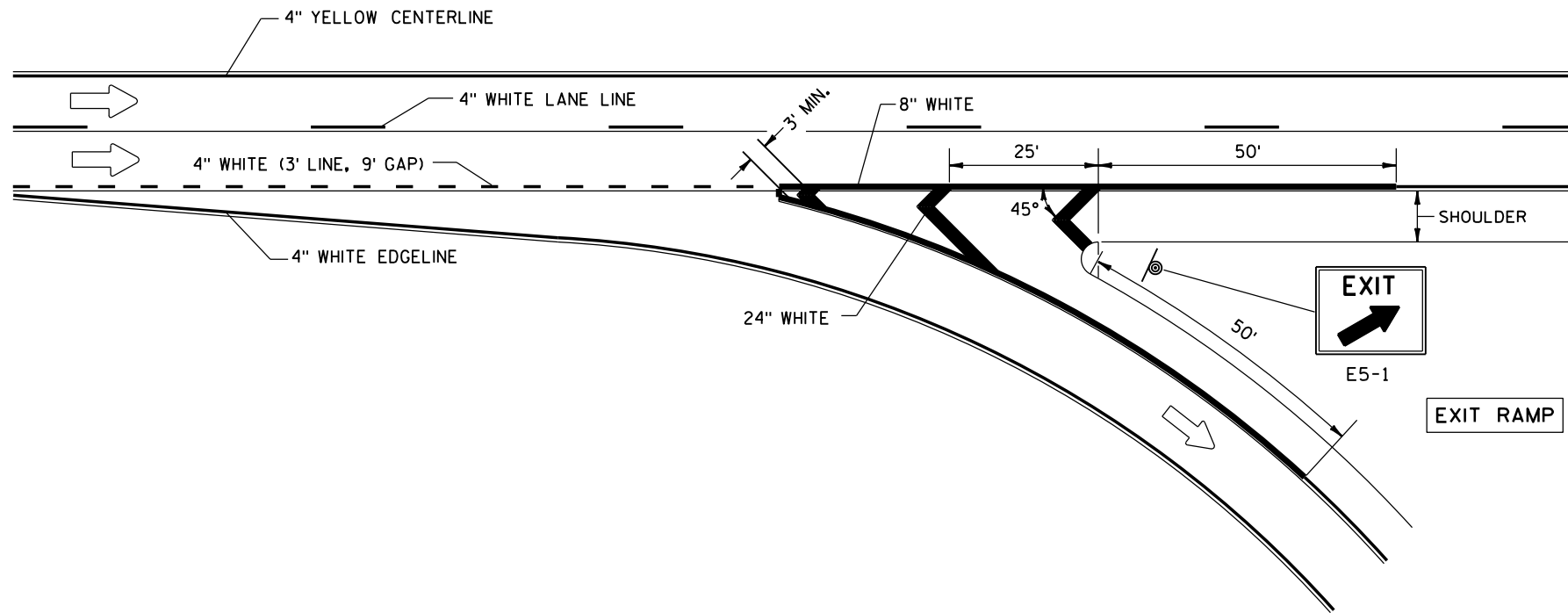
- ① WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



PAVEMENT MARKING (ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 /S/ Matthew Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA



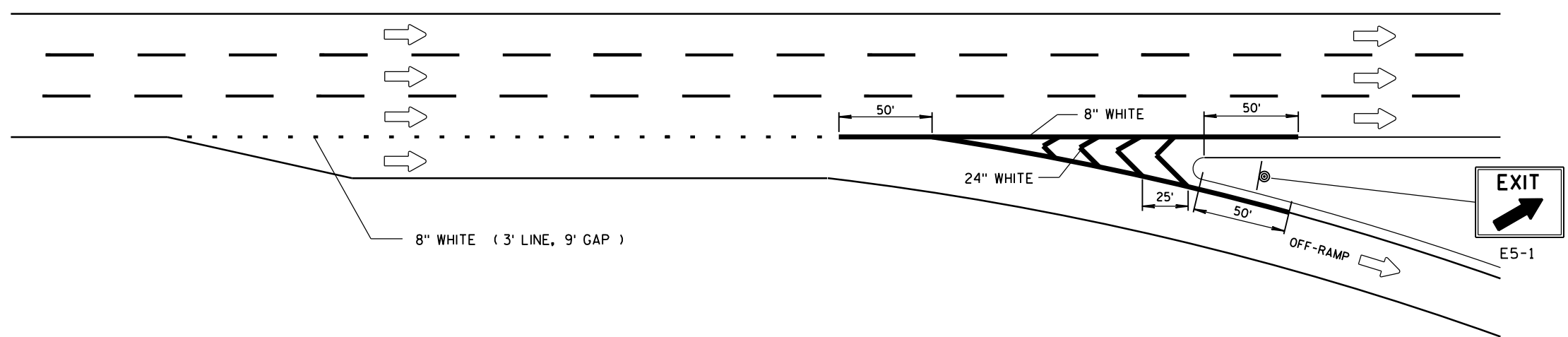
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

- DIRECTION OF TRAVEL
- SIGN ON PERMANENT SUPPORT

PAVEMENT MARKING FOR EXIT RAMP



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

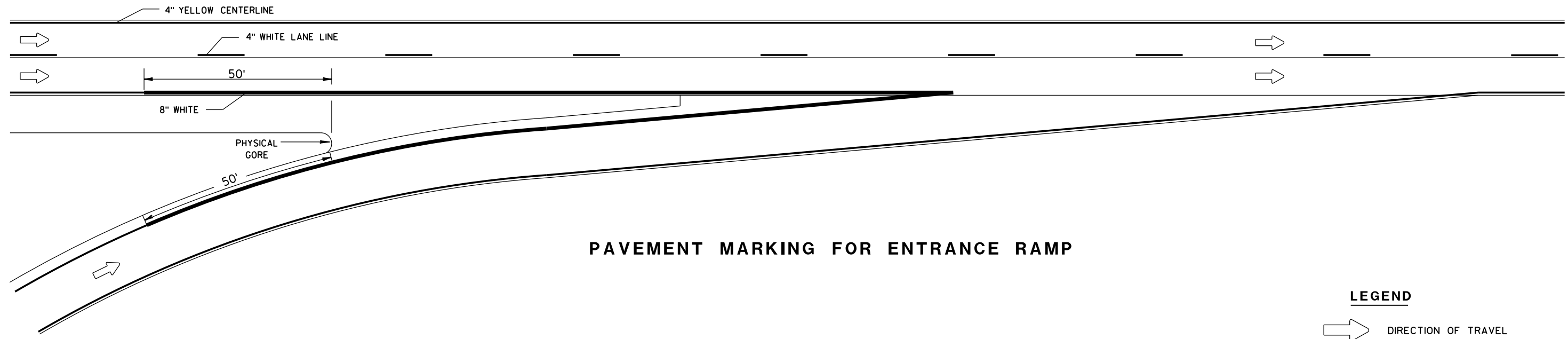
PAVEMENT MARKING
(RAMPS AND GOES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

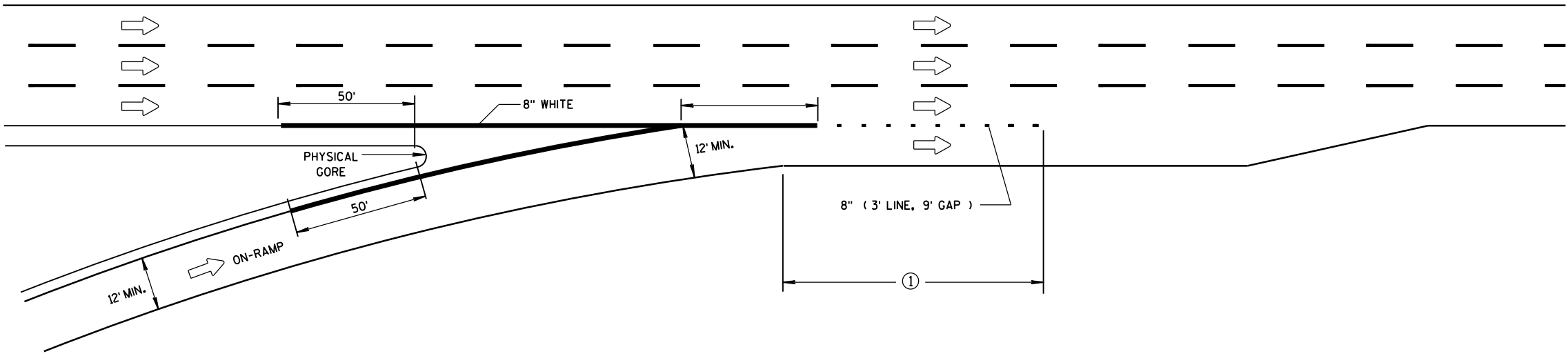
① 1/2 LENGTH OF FULL WIDTH ACCELERATION LANE.



PAVEMENT MARKING FOR ENTRANCE RAMP

LEGEND

➡ DIRECTION OF TRAVEL

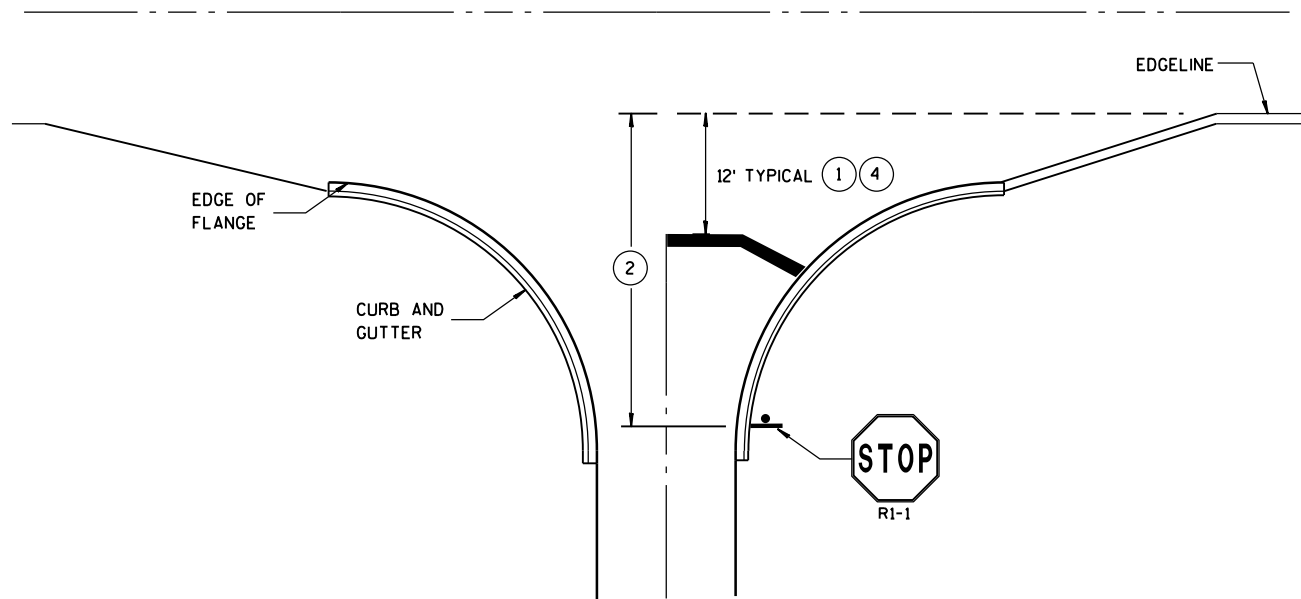


SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE-RAMP

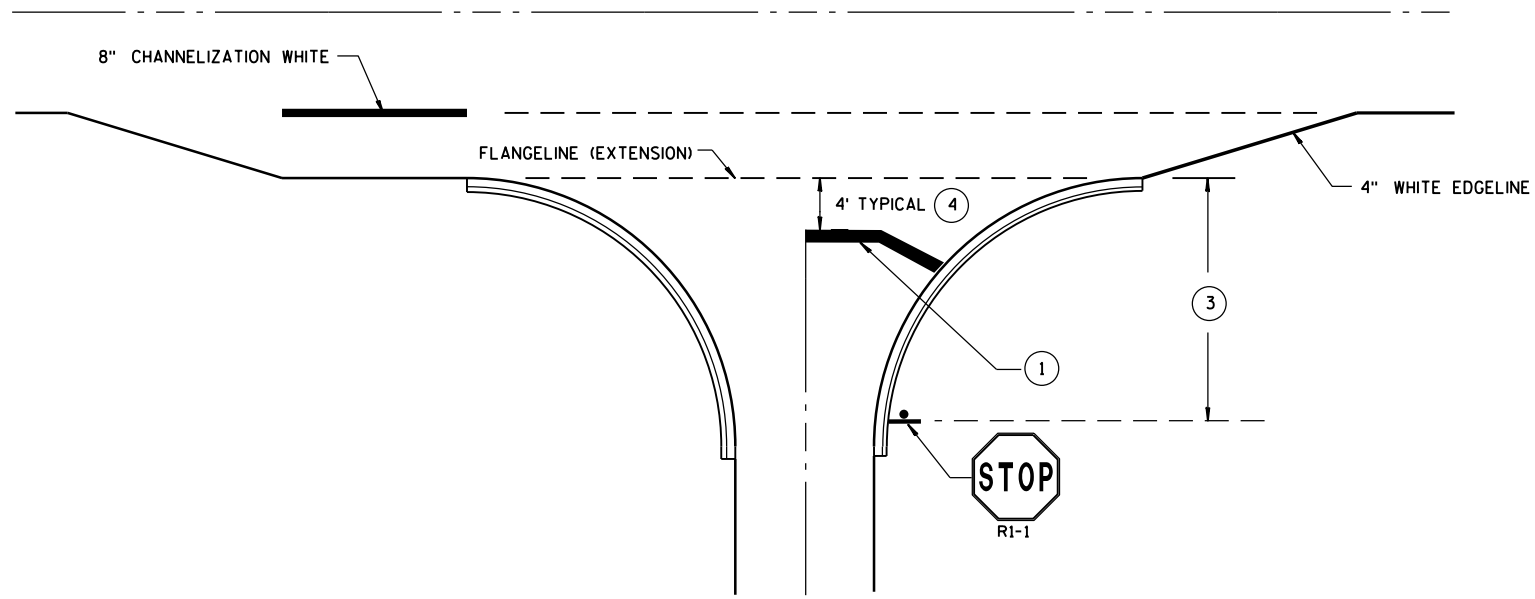
**PAVEMENT MARKING FOR
PARALLEL ON-RAMP AND
PARALLEL OFF-RAMP**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER

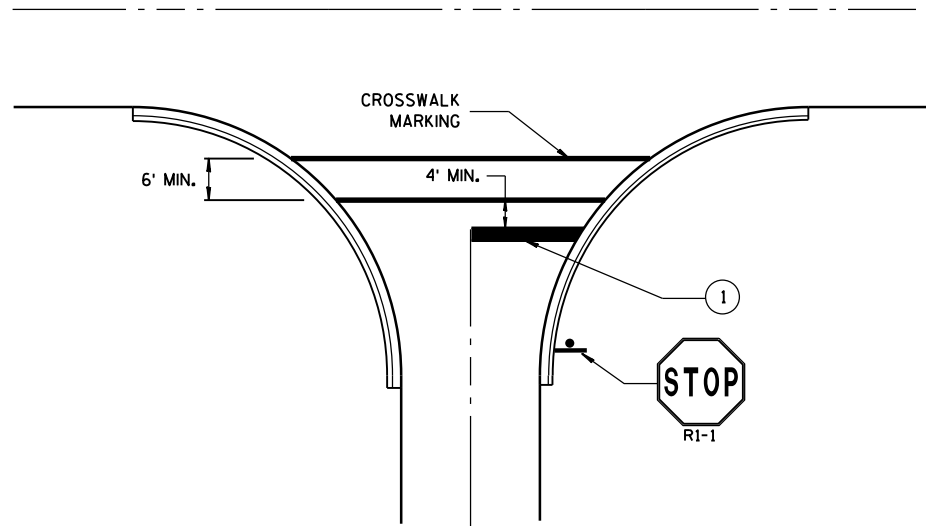


TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH RIGHT TURN LANE

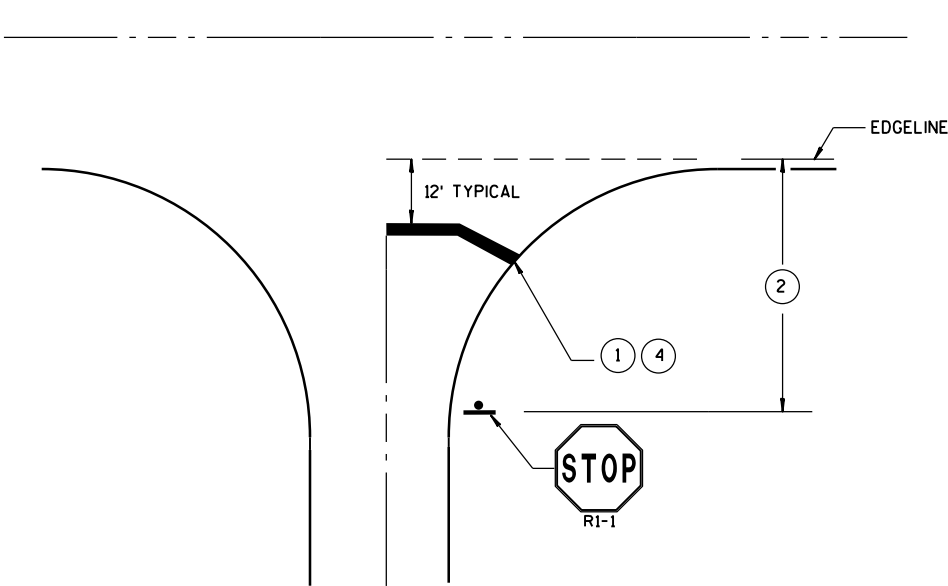
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGE LINE LOCATION.

- (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).

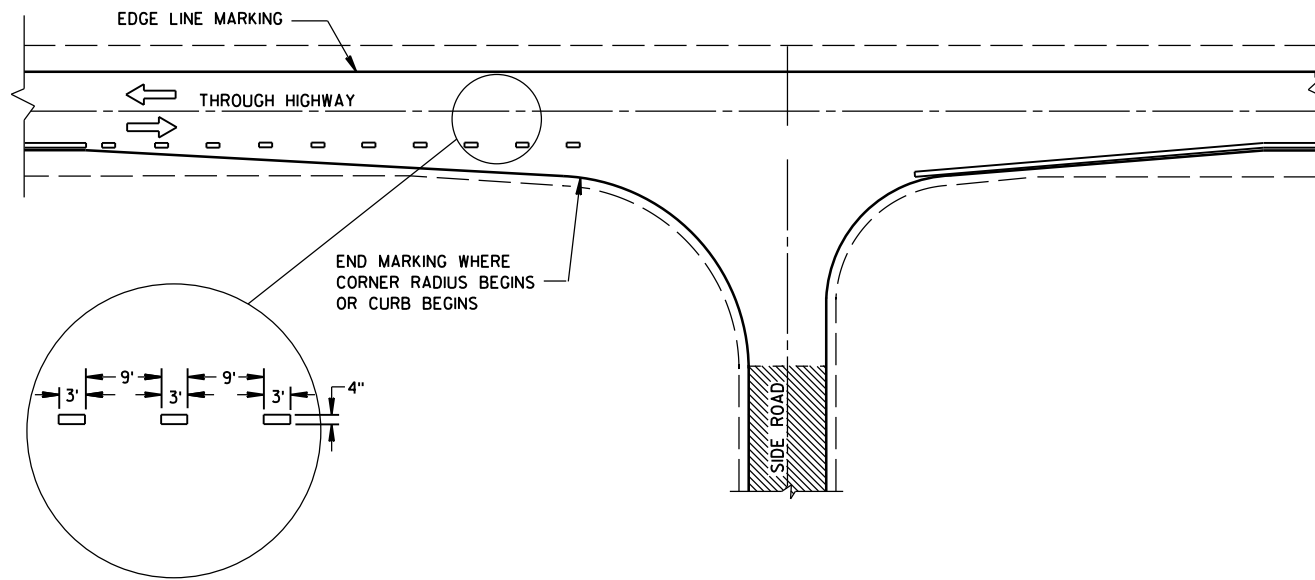


TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING
WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED DATE Sept., 2017	/S/ Matthew R. Rauch STATE SIGNING AND MARKING ENGINEER
FHWA	




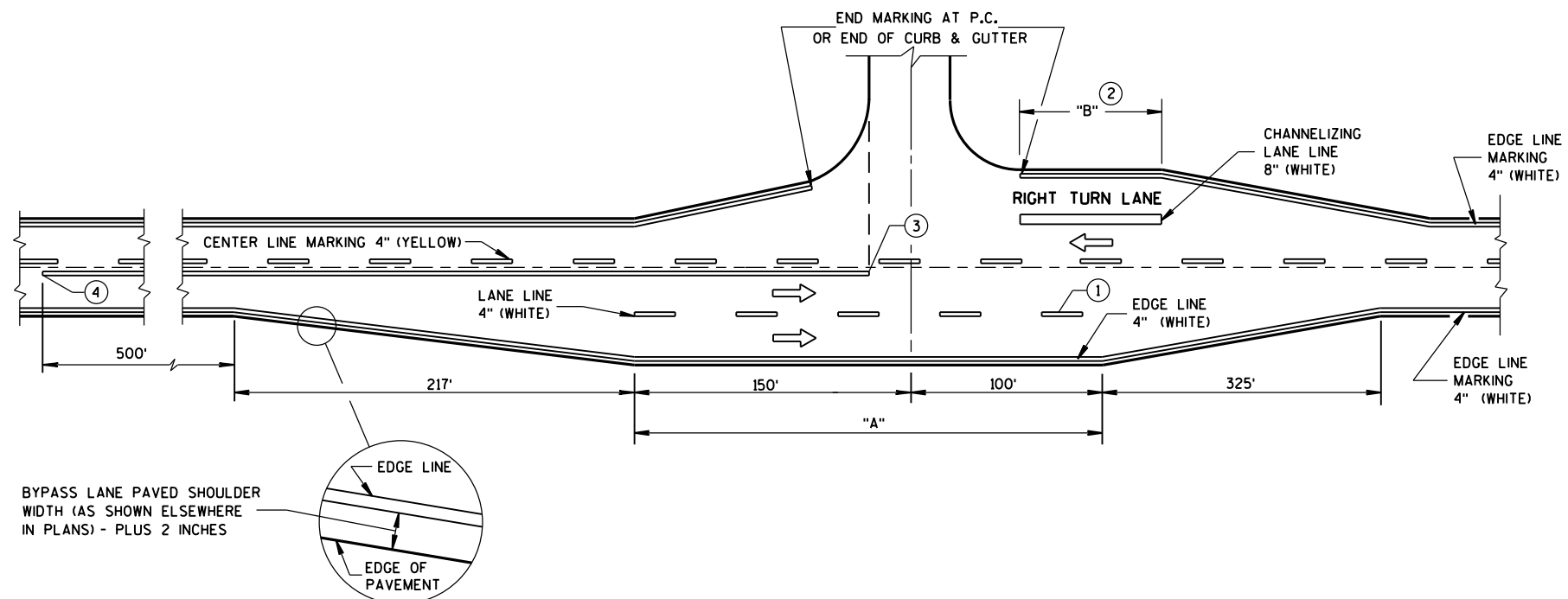
MINOR INTERSECTION

GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES 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.

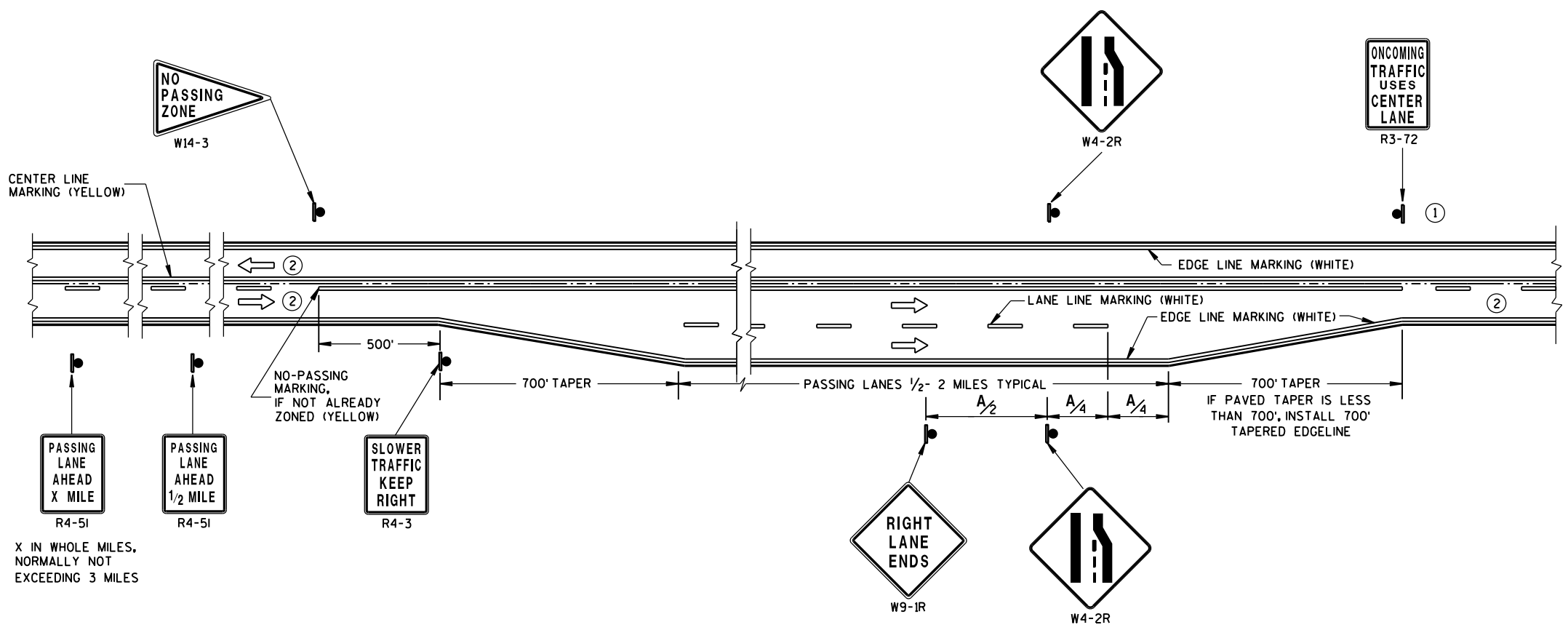
ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL



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

**PAVEMENT MARKING
(INTERSECTIONS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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

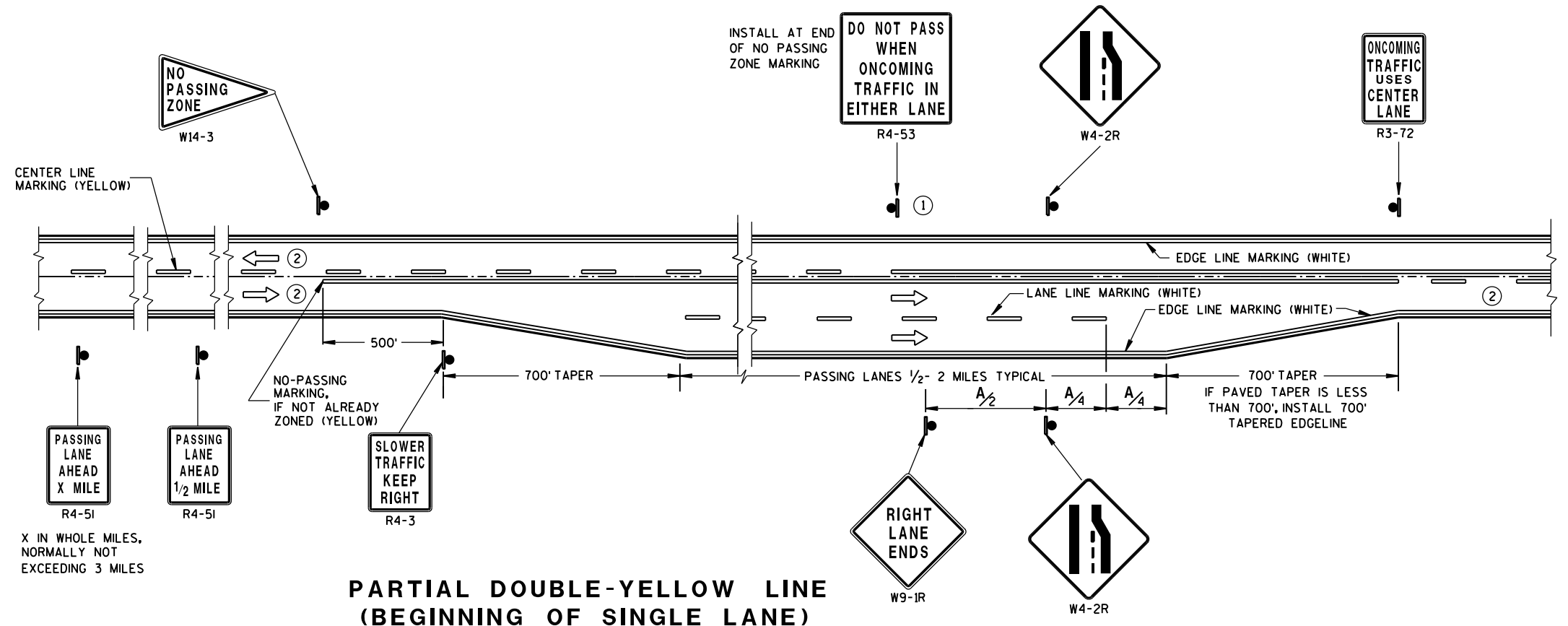
GENERAL NOTES

- 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.

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

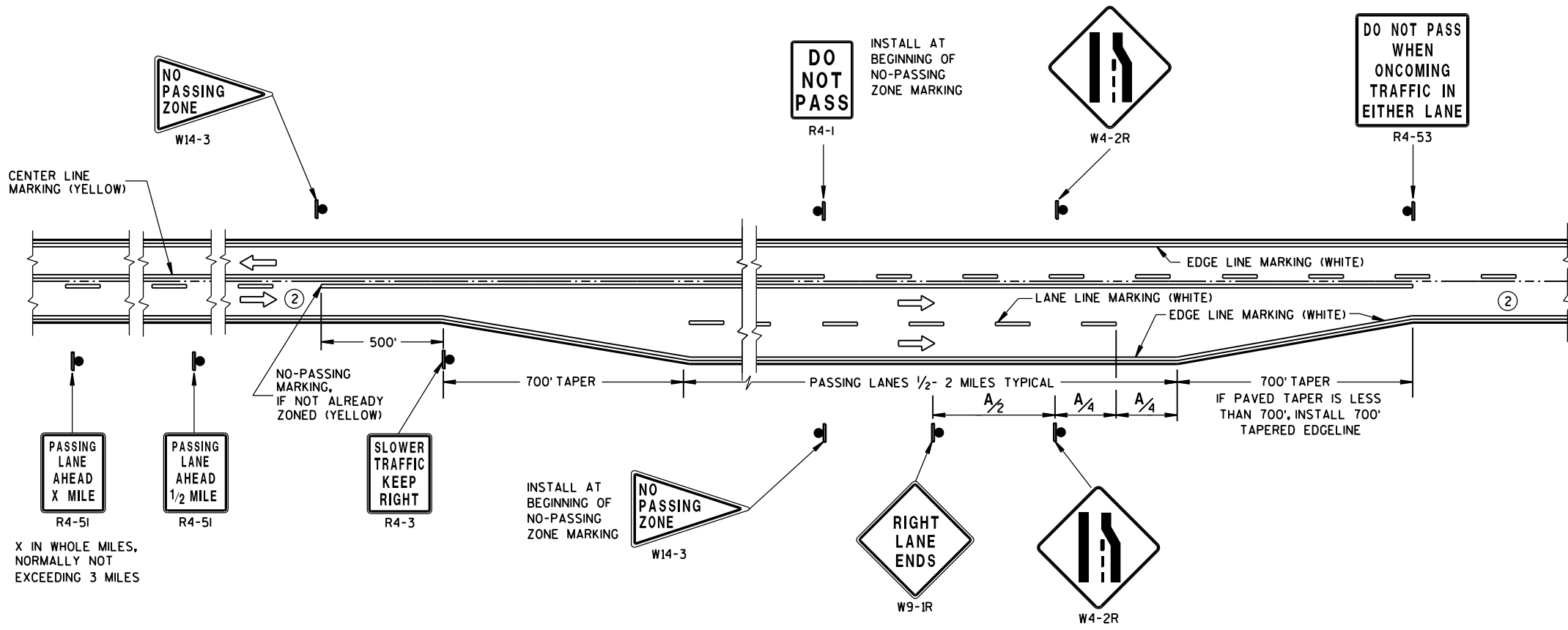
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	850
55	950



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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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

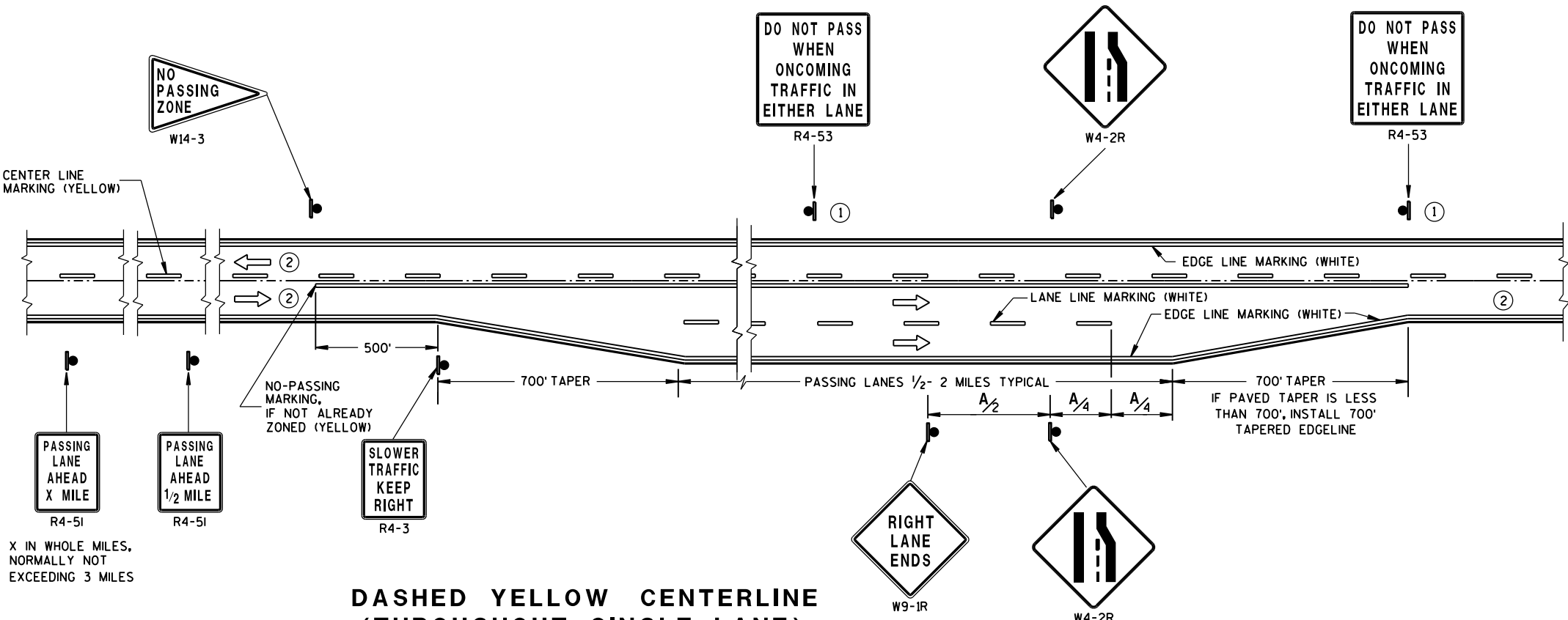
GENERAL NOTES

- 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.

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	850
55	950

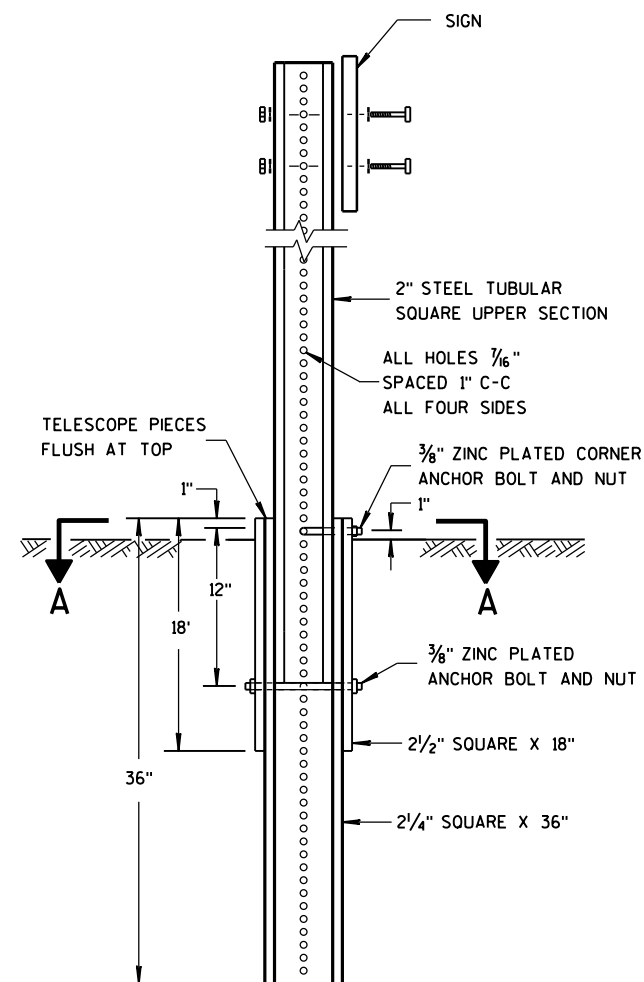


**DASHED YELLOW CENTERLINE
(THROUGHOUT SINGLE LANE)**

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2017 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA



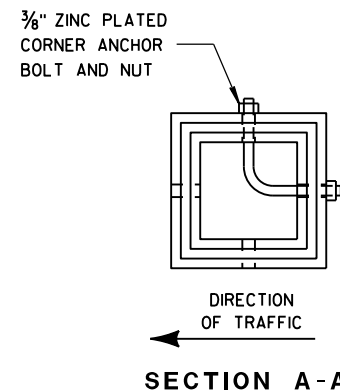
DETAIL OF TUBULAR
STEEL SIGN POST

TUBULAR STEEL POSTS

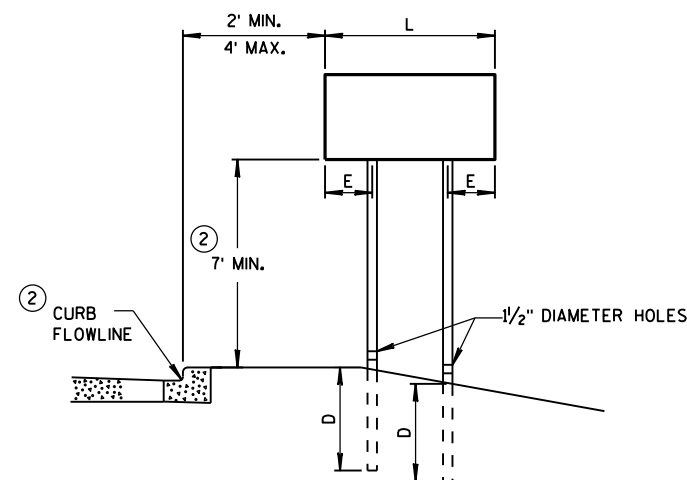
AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL
BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED
ON TUBULAR STEEL POSTS.



SECTION A-A

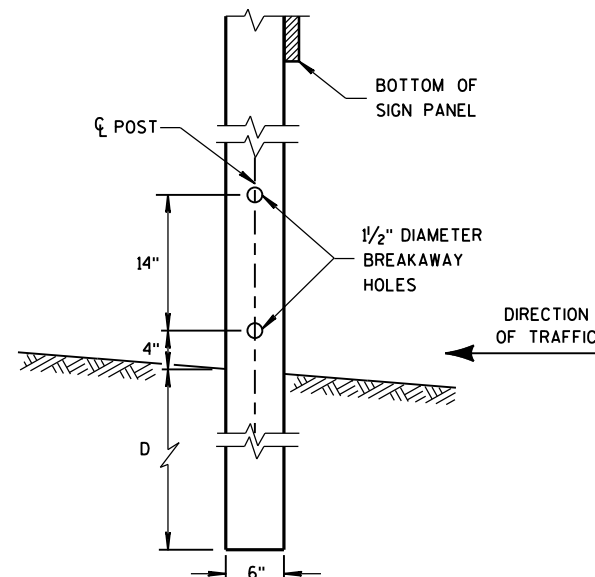


URBAN AREA

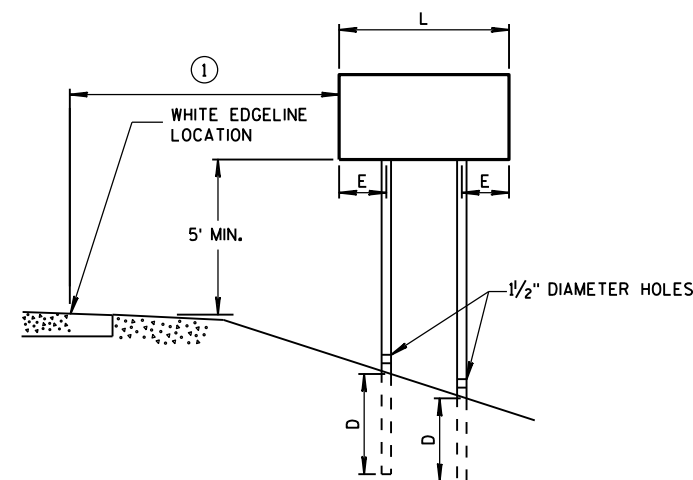
POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST
EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'



4 "x6 " WOOD POST
MODIFICATION



RURAL AREA

4 " X 6 " WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

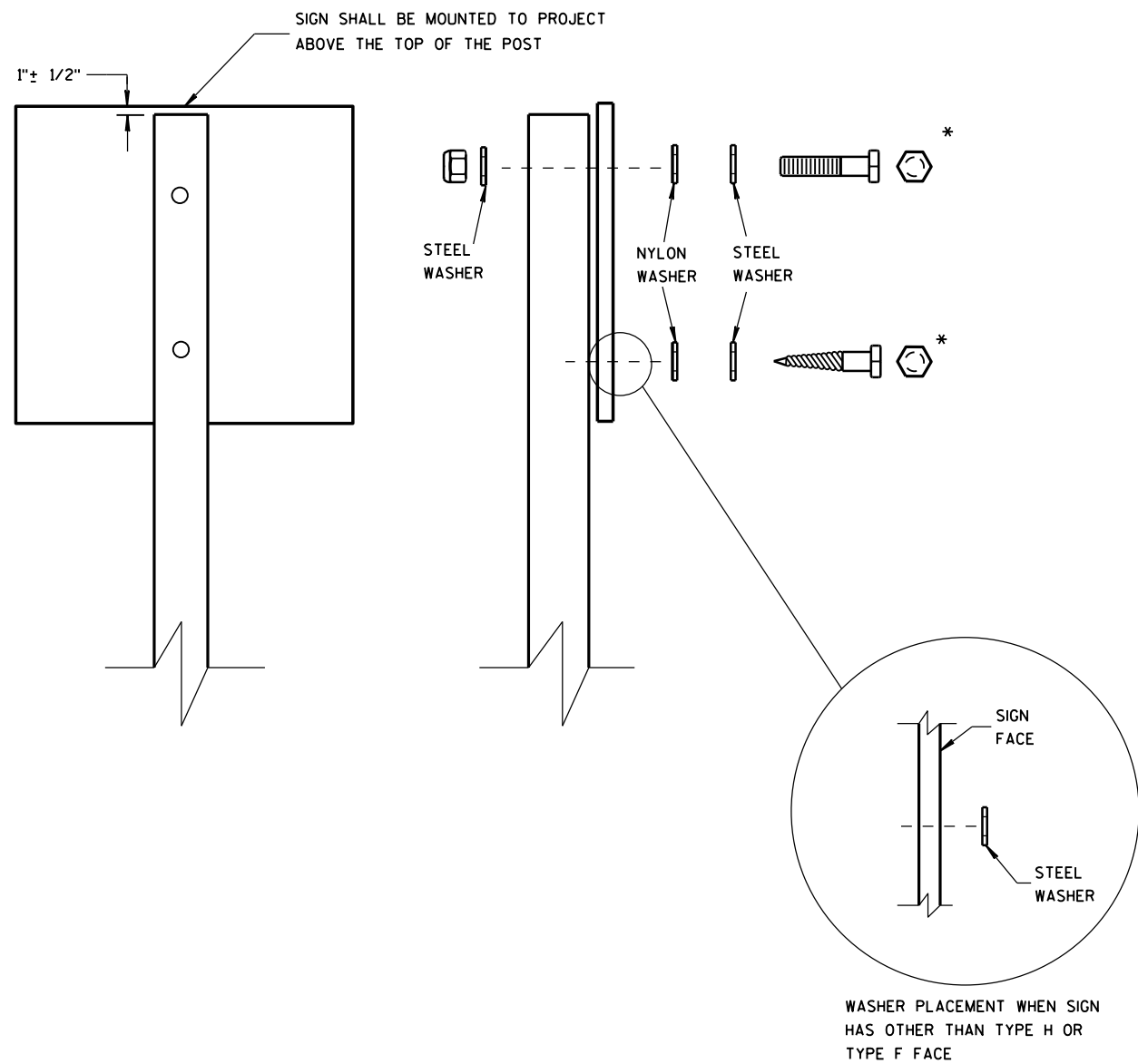
SEE NOTE ③

GENERAL NOTES

- ① 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.
- ② 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. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.
- ③ FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.

TEMPORARY TRAFFIC CONTROL
SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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.

- WOOD POSTS (4" x 4" or 4" x 6")
- LAG SCREWS - 3/8" x 3"
 - MACHINE BOLTS - 5/16" x 6-1/2" OR 7" LENGTH W/ NUTS

- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - 3/8" x 3-1/4" LENGTH W/ NUTS
 - RIVETS - 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 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

* 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

ATTACHMENT OF SIGNS TO POSTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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