

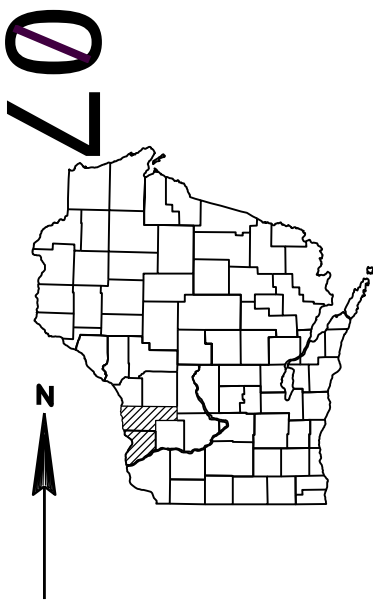
PROJECT ID: 5180-07-64, 5790-02-63
WITH: 5865-02-60, 5730-05-68

COUNTY: CRAWFORD, VERNON

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.5 Plan
- Section No.6 Standard Detail Drawings

TOTAL SHEETS = 22



DESIGN DESIGNATION

- A.A.D.T. 2014 = 2000
- 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

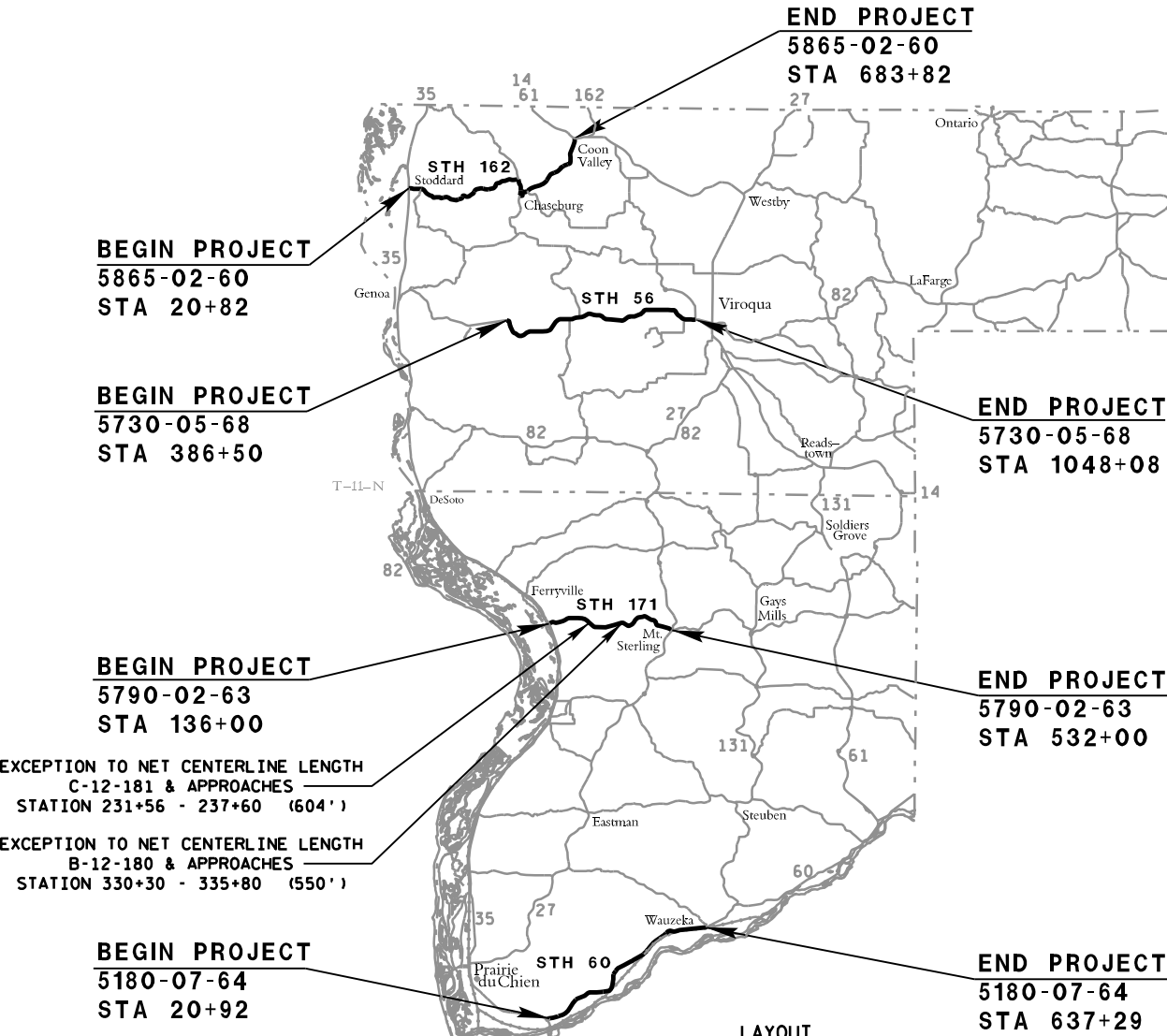
ROADWAY MAINTENANCE, PRESERVATION

BRIDGEPORT - BOSCOBEL GENOA-VIROQUA STH 35-GAYS MILLS STODDARD-COON VALLEY

USH 18 TO USH 61 COX CREEK BRIDGE TO USH 14 STH 35 TO STH 27 STH 35 TO USH 14

STH 60 CRAWFORD COUNTY STH 56 VERNON COUNTY STH 171 CRAWFORD COUNTY STH 162 VERNON COUNTY

STATE PROJECT NUMBER	STATE PROJECT NUMBER	STATE PROJECT NUMBER	STATE PROJECT NUMBER
5180-07-64	5730-05-68	5790-02-63	5865-02-60



LAYOUT
SCALE 0 6 MI.

5180-07-64 NET LENGTH OF CENTERLINE = 12.07 MI.
5730-05-68 NET LENGTH OF CENTERLINE = 12.53 MI.
5790-02-63 NET LENGTH OF CENTERLINE = 07.50 MI.
5865-02-60 NET LENGTH OF CENTERLINE = 12.59 MI.
TOTAL NET LENGTH OF CENTERLINE = 44.69 MI.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5180-07-64		
5730-05-68		
5790-02-63		
5865-02-60		

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	WISDOT
Designer	KATHLEEN KLUDY
Project Manager	TODD WALDO
Regional Examiner	
Regional Supervisor	REINY YAHNKE
C.O. Examiner	
APPROVED FOR THE DEPARTMENT	
DATE: 1/22/2014	

STANDARD ABBREVIATIONS

AGG.	AGGREGATE	LS	LUMP SUM
AH	AHEAD	M.P.	MARKER POST
<	ANGLE	MAX.	MAXIMUM
ASPH.	ASPHALTIC	MGAL	1000 GALLONS
A.D.T.	AVERAGE DAILY TRAFFIC	MIN.	MINIMUM
B.F.	BACK FACE	N.C.	NORMAL CROWN OR NO CHANGE
BK.	BACK	N	NORTH
BEG.	BEGIN	NO.	NUMBER
B.M.	BENCH MARK	PAV'T	PAVEMENT
C.E.	COMMERCIAL ENTRANCE	P.L.E.	PERMANENT LIMITED EASEMENT
C/L	CENTER LINE	P.C.	POINT OF CURVATURE
D	CENTRAL ANGLE OR DELTA	P.I.	POINT OF INTERSECTION
C.S.D	CONCRETE SURFACE DRAIN	P.T.	POINT OF TANGENCY
C.M.C.P.	CORRUGATED METAL CULVERT PIPE	PCC	PORTLAND CEMENT CONCRETE
C.M.P.	CORRUGATED METAL PIPE	P.E.	PRIVATE ENTRANCE
CO.	COUNTY	P.L.	PROPERTY LINE
CTH	COUNTY TRUNK HIGHWAY	R	RADIUS OR RANGE
CR.	CREEK	R/L	REFERENCE LINE
C.A.B.C.	CRUSHED AGGREGATE BASE COURSE	R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE
C.Y.	CUBIC YARD	RT	RIGHT
C.P.	CULVERT PIPE	REQ'D	REQUIRED
C. & G.	CURB AND GUTTER	R.H.F.	RIGHT HAND FORWARD
D	DEGREE OF CURVE	R/W	RIGHT OF WAY
D.H.V.	DESIGN HOUR VOLUME	R.	RIVER
DIA.	DIAMETER	RD.	ROAD
DISCH.	DISCHARGE	SHLD.	SHOULDER(S)
EA	EACH	S	SOUTH
E	EAST	S.F.	SQUARE FOOT (FEET)
ELEC.	ELECTRIC(AL), ELEC. CABLE	SDD	STANDARD DETAIL DRAWING(S)
EL., ELEV.	ELEVATION	STH	STATE TRUNK HIGHWAY
EXC.	EXCAVATION	STA.	STATION
F.F.	FACE TO FACE	S.E.	SUPERELEVATION
FERT.	FERTILIZER	S/L	SURVEY LINE
F.E.	FIELD ENTRANCE	T	TANGENT
F/L, F.L.	FLOW LINE	TEL.	TELEPHONE
CWT.	HUNDRED WEIGHT	TEMP.	TEMPORARY
INL	INLET	T.L.E.	TEMPORARY LIMITED EASEMENT
INTER.	INTERSECTION	T.O.C.	TOP OF CURB
JT.	JOINT	T.	(TRUCKS) PERCENT OF
LT	LEFT	TYP.	TYPICAL
L.H.F.	LEFT HAND FORWARD	UNCL.	UNCLASSIFIED
L.	LENGTH OF CURVE	U.G.	UNDERGROUND (CABLE)
L.F.	LINEAR FOOT(FEET)	V.C.	VERTICAL CURVE
LC.	LONG CHORD	W	WEST

GENERAL NOTES

1. THE ENGINEER WILL DETERMINE ANY DETAILS OF CONSTRUCTION NOT SHOWN ON THE PLAN.
2. ROUT AND SEAL JOINT NEXT TO ALL CURB & GUTTER AND BARRIER WALL

UTILITIES

THERE ARE UTILITIES IN THE AREA, BUT THE PROJECTS WILL NOT CONFLICT WITH OR IMPACT THEM



WISCONSIN DEPARTMENT OF TRANSPORTATION

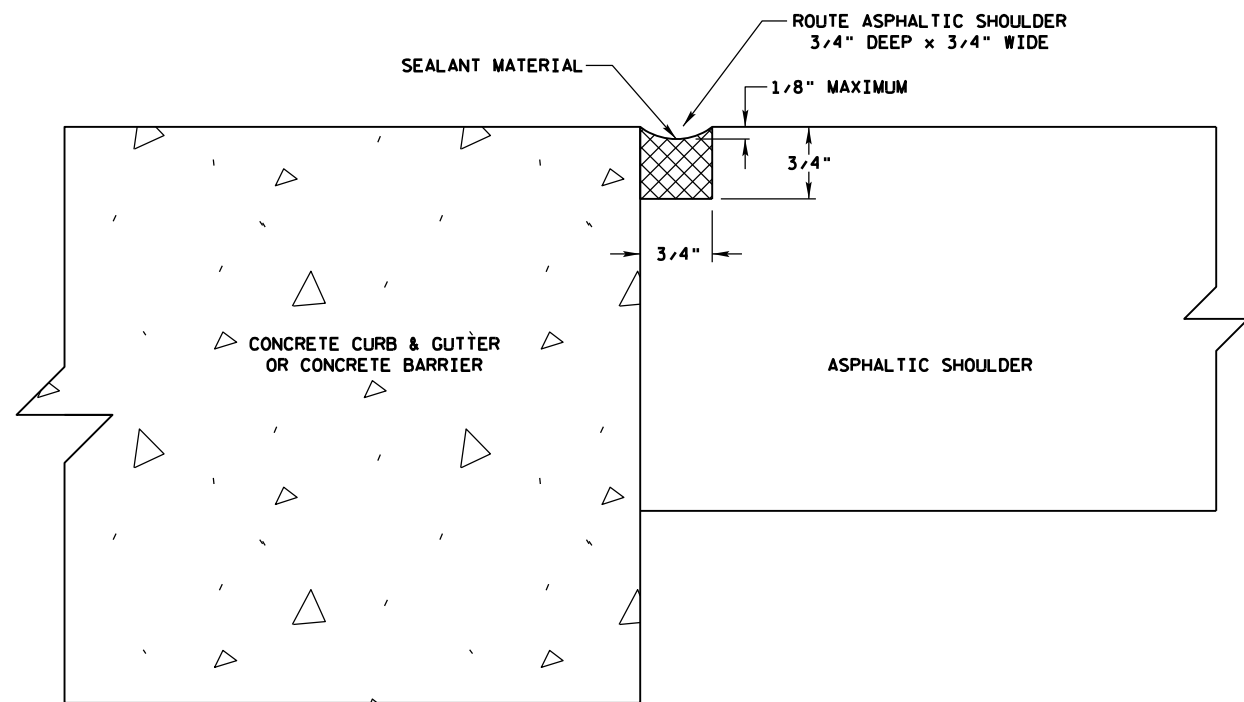
SOUTHWEST REGION - LA CROSSE OFFICE
3550 MORMON COULEE RD
LA CROSSE, WI 54601
ATTN: CONNIE BRUNS (UTILTIES COORDINATOR)
PHONE: (608) 789-5704
connie.bruns@dot.wi.gov

SOUTHWEST REGION - LA CROSSE OFFICE
3550 MORMON COULEE RD
LA CROSSE, WI 54601
ATTN: TODD WALDO (PROJECT MANAGER)
PHONE: (608) 785-9462
todd.waldo@dot.wi.gov

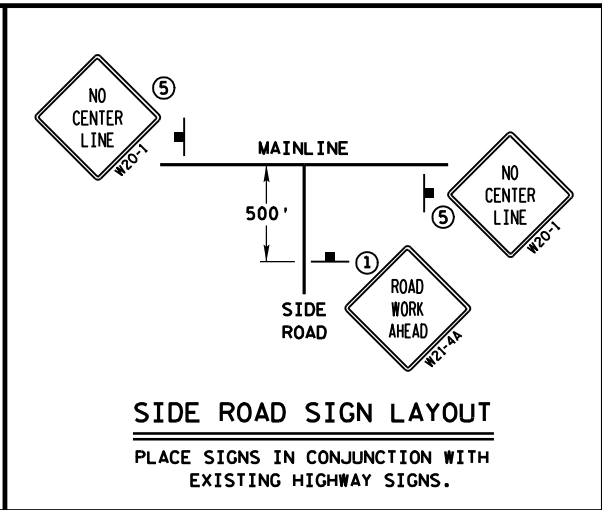
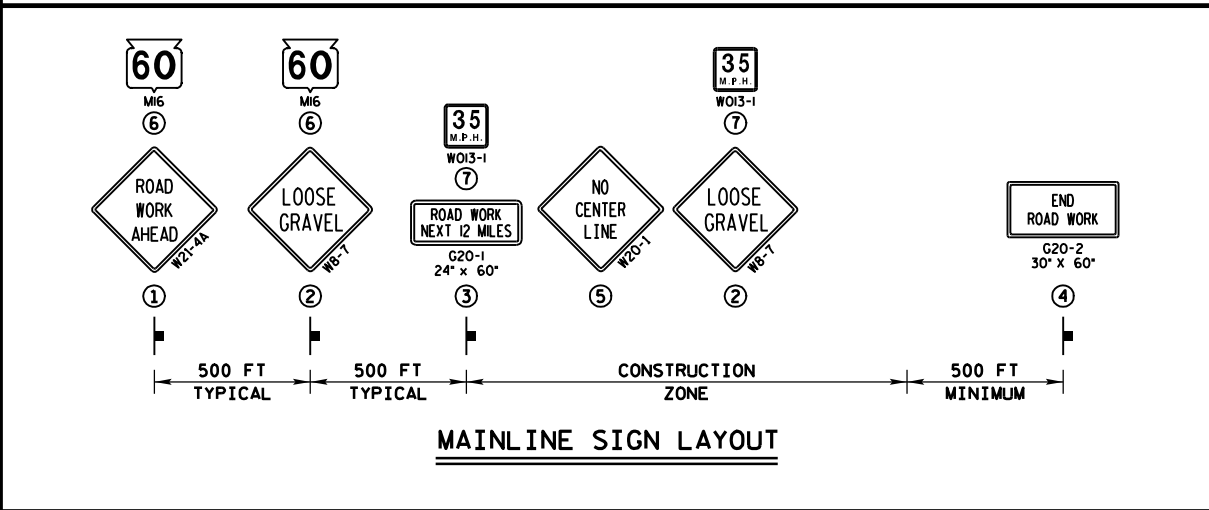
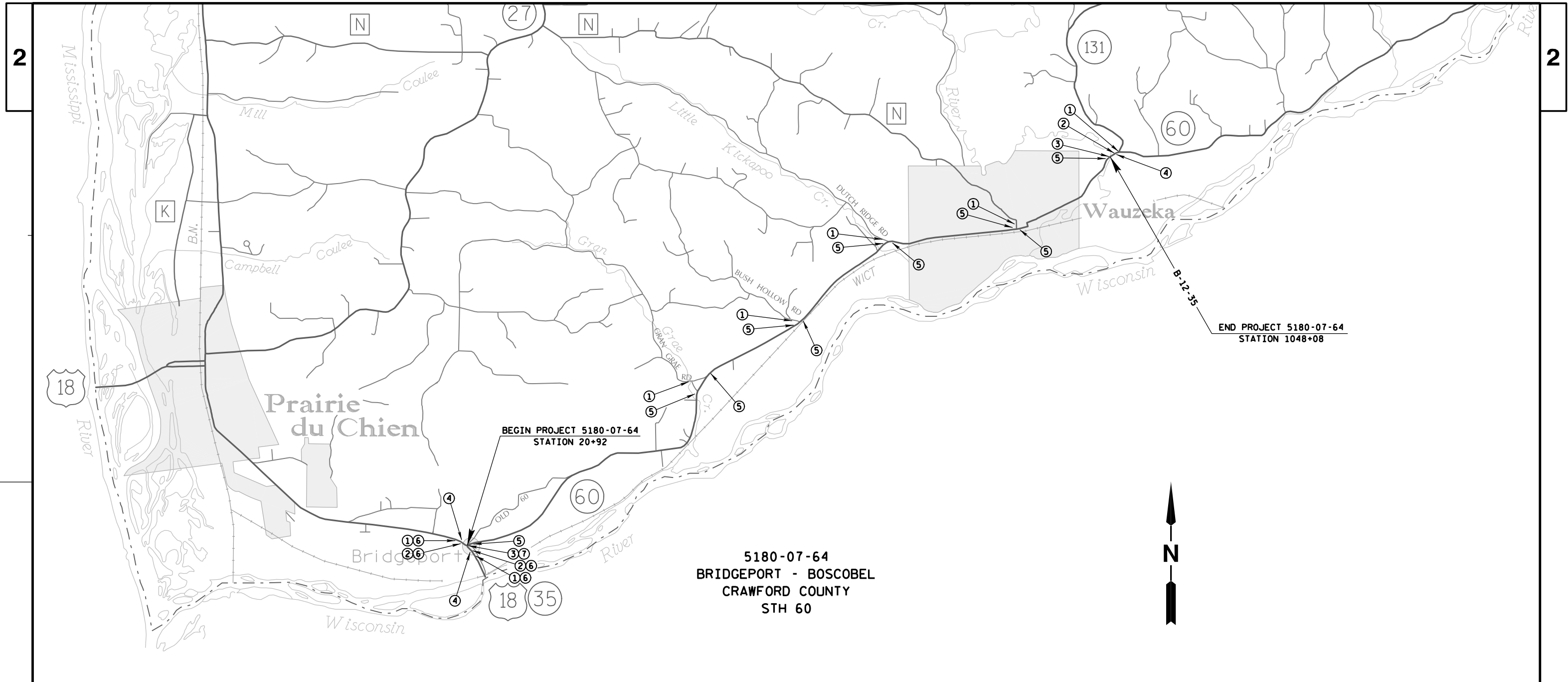
SOUTHWEST REGION - LA CROSSE OFFICE
3550 MORMON COULEE RD
LA CROSSE, WI 54601
ATTN: KATHLEEN KLUDY (DESIGNER)
PHONE: (608) 785-9948
kathleen.kludy@dot.wi.gov

WISCONSIN DNR

DNR SERVICE CENTER
3550 MORMON COULEE RD
LA CROSSE, WI 54601
ATTN: KAREN KALVELAGE
(608) 785-9115
karen.kalvelage@wisconsin.gov



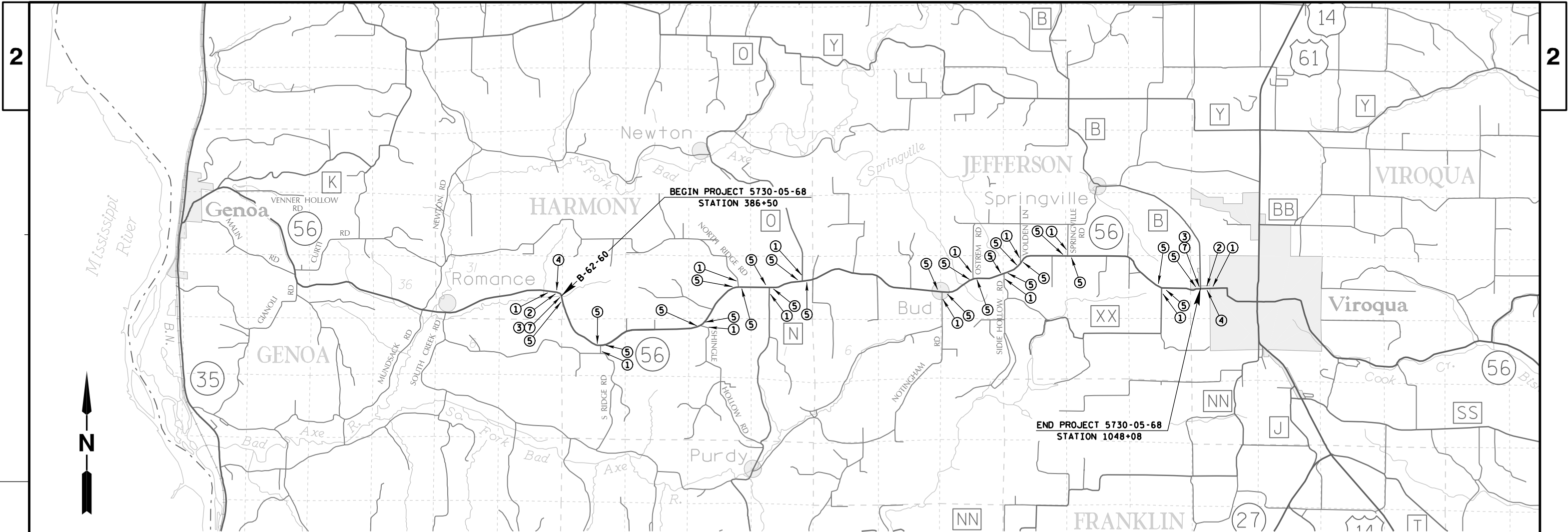
ROUTE AND SEAL DETAIL



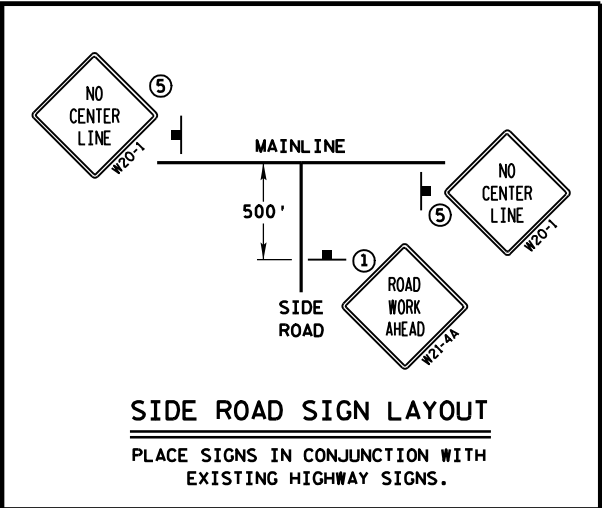
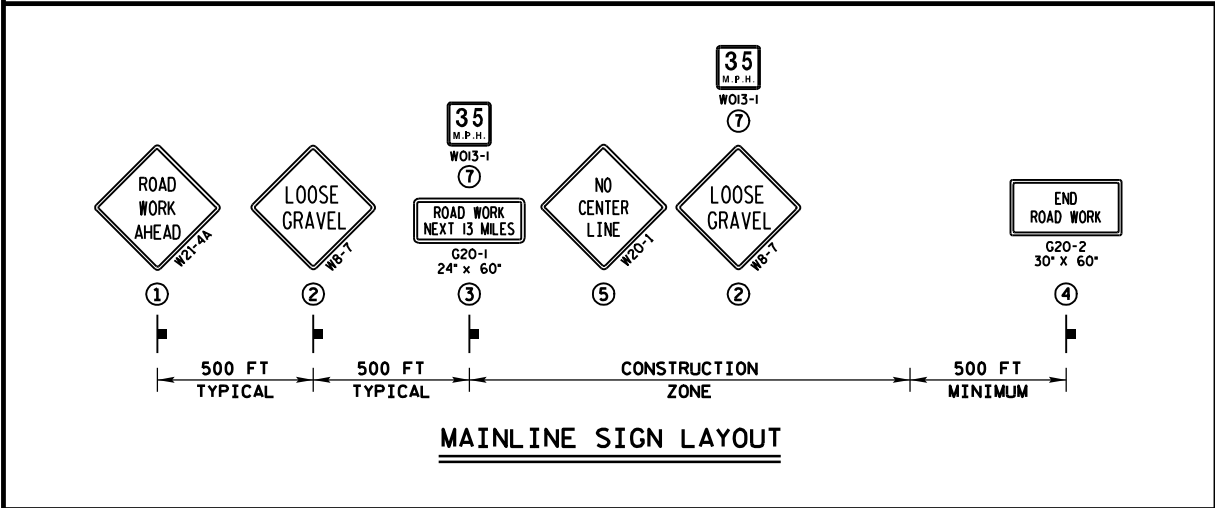
48 "LOOSE GRAVEL" SIGNS REQUIRED
LOCATED AT 0.5 MILE INTERVALS.

48 "35 MPH" SIGNS REQUIRED
LOCATED AT 0.5 MILE INTERVALS.

ALL SIGNS SHOWN ON THIS DETAIL
WILL BE PAID FOR UNDER THE ITEM 643.0100
TRAFFIC CONTROL, PROJECT 5180-07-64 (EACH)



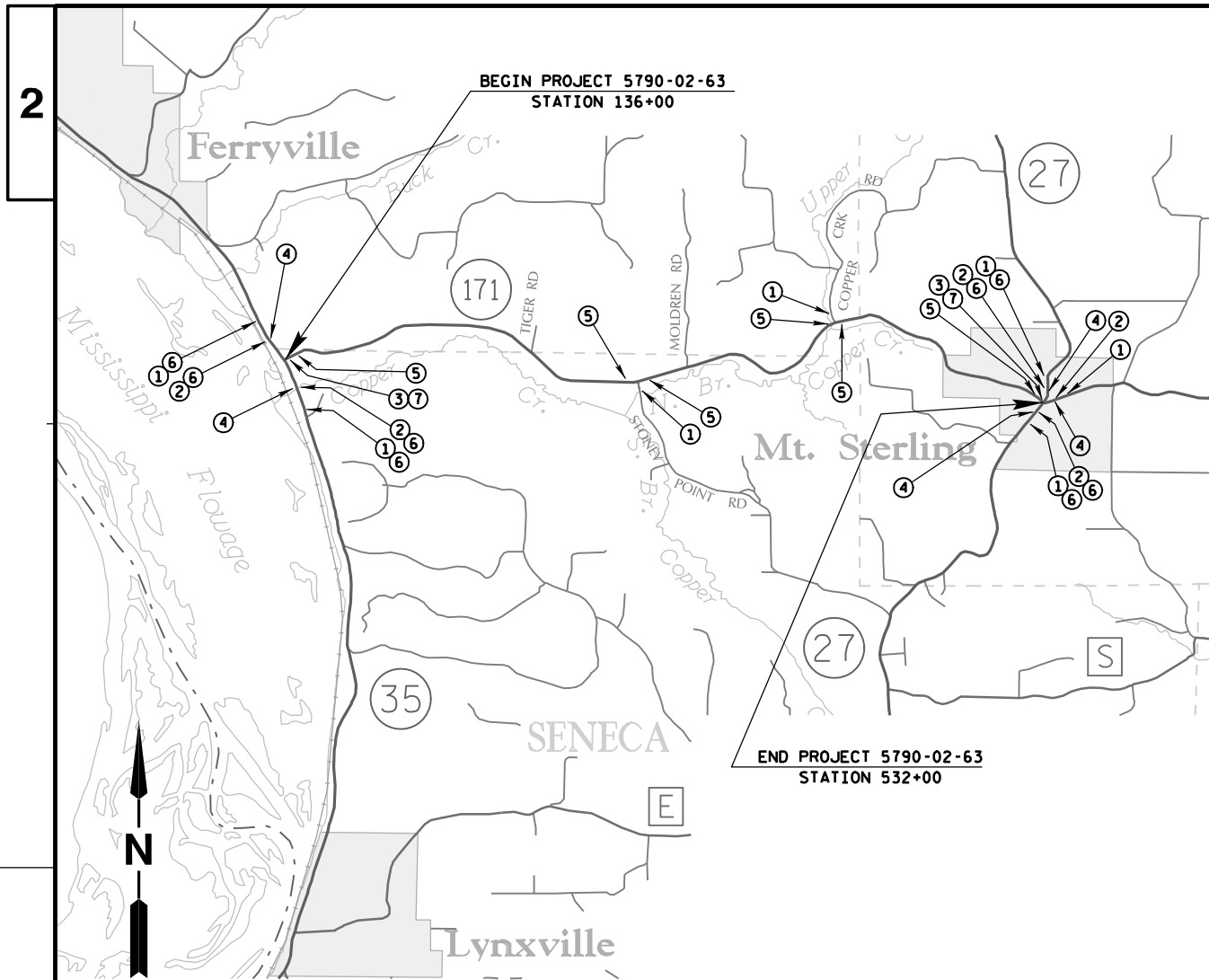
5730-05-68
GENOA - VIROQUA
VERNON COUNTY
STH 56



50 "LOOSE GRAVEL" SIGNS REQUIRED
LOCATED AT 0.5 MILE INTERVALS.

50 "35 MPH" SIGNS REQUIRED
LOCATED AT 0.5 MILE INTERVALS.

ALL SIGNS SHOWN ON THIS DETAIL
WILL BE PAID FOR UNDER THE ITEM 643.0100
TRAFFIC CONTROL, PROJECT 5730-05-68 (EACH)

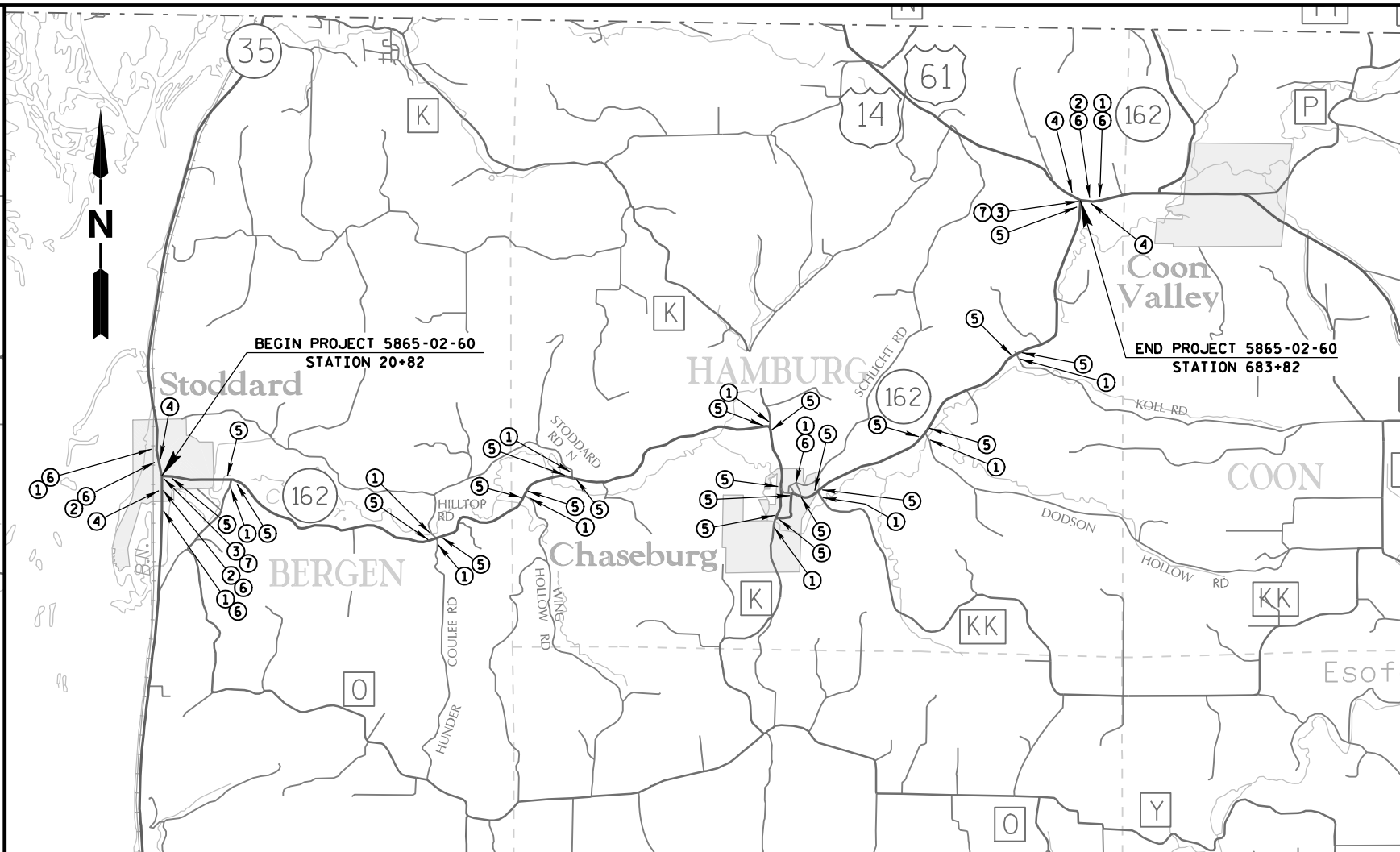


5790-02-63
 STH 35 - GAYS MILLS
 CRAWFORD COUNTY
 STH 171

30 "LOOSE GRAVEL" SIGNS REQUIRED
 LOCATED AT 0.5 MILE INTERVALS.

30 "35 MPH" SIGNS REQUIRED
 LOCATED AT 0.5 MILE INTERVALS.

ALL SIGNS SHOWN ON THIS DETAIL
 WILL BE PAID FOR UNDER THE ITEM 643.0100
 TRAFFIC CONTROL, PROJECT 5790-02-63 (EACH)

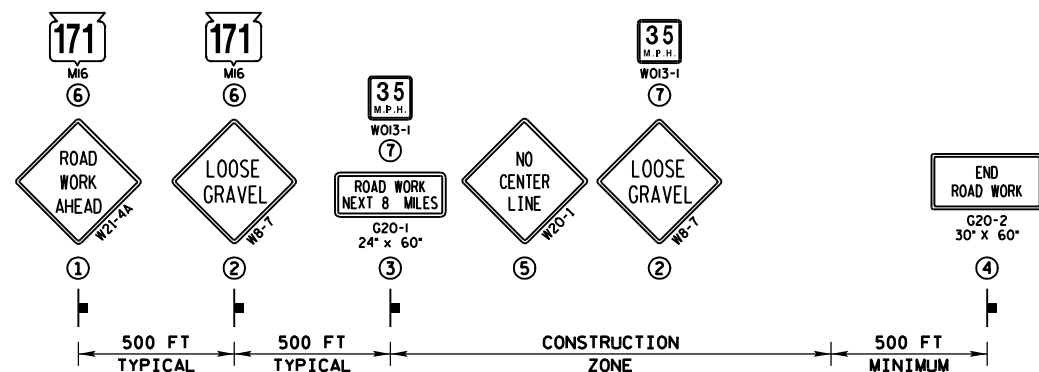


5865-02-60
 STODDARD - COON VALLEY
 VERNON COUNTY
 STH 162

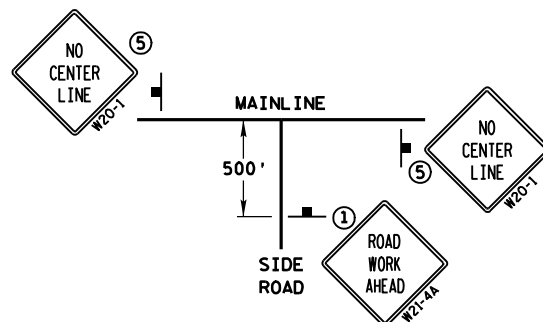
50 "LOOSE GRAVEL" SIGNS REQUIRED
 LOCATED AT 0.5 MILE INTERVALS.

50 "35 MPH" SIGNS REQUIRED
 LOCATED AT 0.5 MILE INTERVALS.

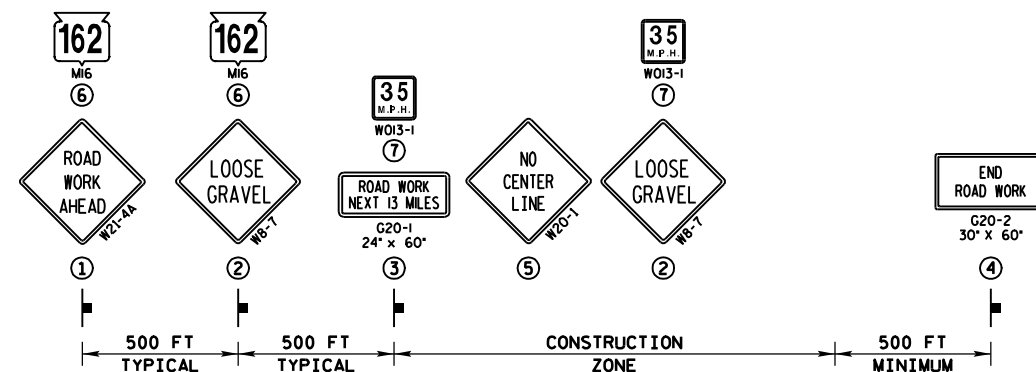
ALL SIGNS SHOWN ON THIS DETAIL
 WILL BE PAID FOR UNDER THE ITEM 643.0100
 TRAFFIC CONTROL, PROJECT 5865-02-60 (EACH)



MAINLINE SIGN LAYOUT
 PROJECT 5790-02-63



SIDE ROAD SIGN LAYOUT
 PLACE SIGNS IN CONJUNCTION WITH
 EXISTING HIGHWAY SIGNS.



MAINLINE SIGN LAYOUT
 PROJECT 5865-02-60

DATE 18MAR14			E S T I M A T E O F Q U A N T I T I E S					
LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5180-07-64 QUANTI TY	5730-05-68 QUANTI TY	5790-02-63 QUANTI TY	5865-02-60 QUANTI TY
0010	213. 0100	FINISHING ROADWAY (PROJECT) 01. 5180-07-64	EACH	1. 000	1. 000			
0020	213. 0100	FINISHING ROADWAY (PROJECT) 02. 5730-05-68	EACH	1. 000		1. 000		
0030	213. 0100	FINISHING ROADWAY (PROJECT) 03. 5790-02-63	EACH	1. 000			1. 000	
0040	213. 0100	FINISHING ROADWAY (PROJECT) 04. 5865-02-60	EACH	1. 000				1. 000
0050	455. 0505	ASPHALTIC MATERIAL SEAL COAT	GAL	289, 800. 000	80, 600. 000	87, 000. 000	45, 200. 000	77, 000. 000
0060	475. 0100	SEAL COAT	CY	6, 550. 000	1, 850. 000	1, 850. 000	1, 050. 000	1, 800. 000
0070	618. 0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 01. 5180-07-64	EACH	1. 000	1. 000			
0080	618. 0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 02. 5730-05-68	EACH	1. 000		1. 000		
0090	618. 0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 03. 5790-02-63	EACH	1. 000			1. 000	
0100	618. 0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 04. 5865-02-60	EACH	1. 000				1. 000
0110	619. 1000	MOBILIZATION	EACH	1. 000	0. 250	0. 250	0. 250	0. 250
0120	643. 0100	TRAFFIC CONTROL (PROJECT) 01. 5180-07-64	EACH	1. 000	1. 000			
0130	643. 0100	TRAFFIC CONTROL (PROJECT) 02. 5730-05-68	EACH	1. 000		1. 000		
0140	643. 0100	TRAFFIC CONTROL (PROJECT) 03. 5790-02-63	EACH	1. 000			1. 000	
0150	643. 0100	TRAFFIC CONTROL (PROJECT) 04. 5865-02-60	EACH	1. 000				1. 000
0160	646. 0106	PAVEMENT MARKING EPOXY 4-INCH	LF	806, 234. 000	211, 605. 000	206, 217. 000	241, 396. 000	147, 016. 000
0170	646. 0126	PAVEMENT MARKING EPOXY 8-INCH	LF	700. 000		700. 000		
0180	647. 0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	207. 000	27. 000	56. 000	94. 000	30. 000
0190	648. 0100	LOCATING NO-PASSING ZONES	MI	44. 690	12. 070	12. 530	7. 500	12. 590
0200	649. 0100	TEMPORARY PAVEMENT MARKING 4-INCH	LF	358, 997. 000	76, 570. 000	94, 565. 000	114, 004. 000	73, 858. 000
0210	649. 2100	TEMPORARY RAISED PAVEMENT MARKERS	EACH	2, 382. 000	671. 000	662. 000	386. 000	663. 000
0220	SPV. 0125	SPECIAL 01. PREPARE EXISTING PAVEMENT FOR ASPHALTIC SEAL COAT WITH CRACK FILLING	MI	25. 000	12. 000			13. 000
0230	SPV. 0125	SPECIAL 02. PREPARE EXISTING PAVEMENT FOR ASPHALTIC SEAL COAT AND ROUT & SEAL	MI	21. 000		13. 000	8. 000	

3

FINISHING ROADWAY (5180-07-64)

CATEGORY	STATION TO	STATION	LOCATION	213.0100 EACH	REMARKS
0010	25+52	- 696+72	STH 60	1	
TOTAL PROJECT ID 5180-07-64				1	

FINISHING ROADWAY (5730-05-68)

CATEGORY	STATION TO	STATION	LOCATION	213.0100 EACH	REMARKS
0010	386+50	- 1048+08	STH 56	1	
TOTAL PROJECT ID 5730-05-68				1	

FINISHING ROADWAY (5790-02-63)

CATEGORY	STATION TO	STATION	LOCATION	213.0100 EACH	REMARKS
0010	136+00	- 532+00	STH 171	1	
TOTAL PROJECT ID 5790-02-63				1	

FINISHING ROADWAY (5865-02-60)

CATEGORY	STATION TO	STATION	LOCATION	213.0100 EACH	REMARKS
0010	20+82	- 683+82	STH 162	1	
TOTAL PROJECT ID 5865-02-60				1	

MAINTENANCE AND REPAIR OF HAUL ROADS (5180-07-64)

CATEGORY	STATION TO	STATION	LOCATION	618.0100 EACH
0010	25+52	- 696+72	STH 60	1
TOTAL PROJECT ID 5180-07-64				1

MAINTENANCE AND REPAIR OF HAUL ROADS (5730-05-68)

CATEGORY	STATION TO	STATION	LOCATION	618.0100 EACH
0010	386+50	- 1048+08	STH 56	1
TOTAL PROJECT ID 5730-05-68				1

MAINTENANCE AND REPAIR OF HAUL ROADS (5790-02-63)

CATEGORY	STATION TO	STATION	LOCATION	618.0100 EACH
0010	136+00	- 532+00	STH 171	1
TOTAL PROJECT ID 5790-02-63				1

MAINTENANCE AND REPAIR OF HAUL ROADS (5865-02-60)

CATEGORY	STATION TO	STATION	LOCATION	618.0100 EACH
0010	20+82	- 683+82	STH 162	1
TOTAL PROJECT ID 5865-02-60				1

STATE PROJECT NO: 5180-07-64; 5730-05-68;
5790-02-63 & 5865-02-60

HWY STH 60, STH 56,
STH 171, STH 162

COUNTY: CRAWFORD & VERNON

MISCELLANEOUS
QUANTITIES

SHEET NO:

E

3

PAVEMENT MARKING EPOXY 4-INCH						
CATEGORY	STATION TO	STATION	LOCATION	646.0106 WHITE EDGE LINE LF	646.0106 YELLOW CL LF	REMARKS
0010	25+52	- 696+72	STH 60	135,035	76,570	
TOTAL PROJECT ID 5180-07-64				211,605		
0010	386+50	- 1048+08	STH 56	111,652	94,565	
TOTAL PROJECT ID 5730-05-68				206,217		
0010	136+00	- 532+00	STH 171	127,392	114,004	
TOTAL PROJECT ID 5790-02-63				241,396		
0010	20+82	- 683+82	STH 162	73,158	73,858	
TOTAL PROJECT ID 5865-02-60				147,016		
GRAND TOTAL				806,234		

TRAFFIC CONTROL (5180-07-64)

CATEGORY	STATION TO	STATION	LOCATION	643.0100 EACH	REMARKS
0010	25+52	- 696+72	STH 60	1	
TOTAL PROJECT ID 5180-07-64				1	

TRAFFIC CONTROL (5730-05-68)

CATEGORY	STATION TO	STATION	LOCATION	643.0100 EACH	REMARKS
0010	386+50	- 1048+08	STH 56	1	
TOTAL PROJECT ID 5730-05-68				1	

TRAFFIC CONTROL (5790-02-63)

CATEGORY	STATION TO	STATION	LOCATION	643.0100 EACH	REMARKS
0010	136+00	- 532+00	STH 171	1	
TOTAL PROJECT ID 5790-02-63				1	

TRAFFIC CONTROL (5865-02-60)

CATEGORY	STATION TO	STATION	LOCATION	643.0100 EACH	REMARKS
0010	20+82	683+82	STH 162	1	
TOTAL PROJECT ID 5865-02-60				1	

STATE PROJECT NO: 5180-07-64; 5730-05-68;
5790-02-63 & 5865-02-60

HWY STH 60, STH 56,
STH 171, STH 162

COUNTY: CRAWFORD & VERNON

MISCELLANEOUS
QUANTITIES

SHEET NO:

E

3

3

TEMPORARY PAVEMENT MARKING 4-INCH						PAVEMENT MARKING STOP LINE EPOXY 18-INCH						
649.0100 YELLOW						647.0566						
CATEGORY	STATION TO	STATION	LOCATION	LF	REMARKS	CATEGORY	DIRECTION	LOCATION	LF	REMARKS		
0010	25+52 -	696+72	CL	76,570	STH 60	0010	WESTBOUND	USH 18 (BRIDGEPORT)	12	STH 60		
						0010	EASTBOUND	USH 18 WB RIGHT TURN LANE (BRIDGEPORT)	15	STH 60		
TOTAL PROJECT ID 5180-07-64				76,570		TOTAL PROJECT ID 5180-07-64				27		
0010	386+50 -	1048+08	CL	94,565	STH 56	0010	WESTBOUND	MAIN STREET (GENOA)	18	STH 56		
						0010	WESTBOUND	STH 35	14	STH 56		
TOTAL PROJECT ID 5730-05-68				94,565		0010	EASTBOUND	EDUCATION AVENUE	24	STH 56		
						TOTAL PROJECT ID 5730-05-68				56		
0010	136+00 -	532+00	CL	114,004	STH 171							
TOTAL PROJECT ID 5790-02-63				114,004		0010	NORTHBOUND	HUNDER COULEE ROAD (3 MILES NORTH OF STODDARD)	22	STH 171		
0010	20+82 -	683+82	CL	73,858	STH 162	0010	NORTHBOUND	USH 14 (WEST OF COON VALLEY)	24	STH 171		
						0010	SOUTHBOUND	CTH K (SOUTH JCT, SOUTH OF CHASEBURG)	15	STH 171		
						0010	SOUTHBOUND	CTH K (RIGHT TURN LANE, SOUTH JCT, SOUTH OF CHASEBURG)	15	STH 171		
						0010	SOUTHBOUND	STH 35 (STODDARD)	18	STH 171		
						TOTAL PROJECT ID 5865-02-60				73,858		TOTAL PROJECT ID 5790-02-63
GRAND TOTAL				358,997		0010	EASTBOUND	STH 27 (MT. STERLING)	15	STH 162		
						0010	WESTBOUND	STH 35	15	STH 162		
						TOTAL PROJECT ID 5865-02-60				30		
						GRAND TOTAL				207		
PAVEMENT MARKING EPOXY 8-INCH												
646.0126 WHITE CHANNELIZING												
CATEGORY	LOCATION		LF		REMARKS							
0010	RT STH 56		700		STH 56/ CTH XX - CHANNELIZING LANE							
TOTAL PROJECT ID 5730-05-68			700									
STATE PROJECT NO: 5180-07-64; 5730-05-68; 5790-02-63 & 5865-02-60						HWY STH 60, STH 56, STH 171, STH 162		COUNTY: CRAWFORD & VERNON		MISCELLANEOUS QUANTITIES	SHEET NO:	E

LOCATING NO-PASSING ZONES

CATEGORY	STATION TO	STATION	LOCATION	648.0100 MI	REMARKS
0010	25+52 -	696+72	STH 60	12.07	NO-PASSING ZONE SPOTTING SIGHT DISTANCE FOR THIS PROJECT IS 0.21 MILES/1,108 FT
TOTAL PROJECT ID 5180-07-64				12.07	
0010	386+50 -	1048+08	STH 56	12.53	NO-PASSING ZONE SPOTTING SIGHT DISTANCE FOR THIS PROJECT IS 0.16 MILES/844 FT
TOTAL PROJECT ID 5730-05-68				12.53	
0010	136+00 -	532+00	STH 171	7.50	NO-PASSING ZONE SPOTTING SIGHT DISTANCE FOR THIS PROJECT IS 0.16 MILES/844 FT
TOTAL PROJECT ID 5790-02-63				7.50	
0010	20+82 -	683+82	STH 162	12.59	NO-PASSING ZONE SPOTTING SIGHT DISTANCE FOR THIS PROJECT IS 0.16 MILES/844 FT
TOTAL PROJECT ID 5865-02-60				12.59	
GRAND TOTAL				44.69	

TEMPORARY RAISED PAVEMENT MARKERS

CATEGORY	STATION TO	STATION	LOCATION	649.2100 EACH	REMARKS
0010	25+52 -	696+72	STH 60	671	YELLOW; 100' SPACING
TOTAL PROJECT ID 5180-07-64				671	
0010	386+50 -	1048+08	STH 56	662	YELLOW; 100' SPACING
TOTAL PROJECT ID 5730-05-68				662	
0010	136+00 -	231+56	STH 171	96	YELLOW; 100' SPACING
0010	237+60 -	330+30	STH 171	93	YELLOW; 100' SPACING
0010	335+80 -	532+00	STH 171	197	YELLOW; 100' SPACING
TOTAL PROJECT ID 5790-02-63				386	
0010	20+82 -	683+82	STH 162	663	YELLOW; 100' SPACING
TOTAL PROJECT ID 5865-02-60				663	
GRAND TOTAL				2,382	

STATE PROJECT NO: 5180-07-64; 5730-05-68; 5790-02-63 & 5865-02-60

HWY STH 60, STH 56, STH 171, STH 162

COUNTY: CRAWFORD & VERNON

MISCELLANEOUS QUANTITIES

SHEET NO: E

SEAL COAT SUMMARY

CATEGORY	STATION	TO	STATION	LOCATION	WIDTH FT	LENGTH FT	455.0505 ASPHALTIC MATERIAL SEAL COAT	475.0100 SEAL COAT	REMARKS
							GAL	CY	
0010	25+52	-	128+92	CL	30	10,340	12,100	300	STH 60
0010	128+92	-	590+92	CL	30	46,200	54,000	1,200	STH 60
0010	590+92	-	652+32	CL	36	6,140	9,000	200	STH 60
0010	652+32	-	696+72	CL	30	4,440	5,500	150	STH 60
TOTAL PROJECT ID 5180-07-64							80,600	1,850	
0010	386+50	-	420+50	CL	36	3,400	5,000	100	STH 56
0010	420+50	-	946+25	CL	34	52,575	70,000	1,500	STH 56
0010	946+25	-	1048+08	CL	30	10,183	12,000	250.0	STH 56
TOTAL PROJECT ID 5730-05-68							87,000	1,850	
0010	136+00	-	231+56	CL	30	9,556	11,450	250	STH 171
0010	237+60	-	330+30	CL	30	9,270	10,850	250	STH 171
0010	335+80	-	532+00	CL	30	19,620	22,900	550	STH 171
TOTAL PROJECT ID 5790-02-63							45,200	1,050	
0010	20+82	-	21+17	CL	24	35	50	10	STH 162
0010	21+17	-	34+42	CL	28	1,325	1,450	40	STH 162
0010	34+42	-	48+72	CL	24	1,430	1,400	30	STH 162
0010	48+72	-	51+87	CL	36	315	450	10	STH 162
0010	54+12	-	56+52	CL	36	240	350	10	STH 162
0010	56+52	-	110+02	CL	24	5,350	5,000	120	STH 162
0010	110+02	-	115+90	CL	26	588	600	20	STH 162
0010	115+90	-	122+18	CL	28	628	700	25	STH 162
0010	122+18	-	131+42	CL	24	924	900	25	STH 162
0010	131+42	-	132+42	CL	24	100	100	10	STH 162
0010	132+42	-	143+22	CL	28	1,080	1,200	30	STH 162
0010	143+22	-	148+08	CL	26	486	500	25	STH 162
0010	148+08	-	157+82	CL	28	974	1,200	25	STH 162
0010	157+82	-	250+82	CL	24	9,300	9,000	200	STH 162
0010	252+52	-	352+12	CL	24	9,960	9,500	225	STH 162
0010	352+64	-	420+42	CL	34	6,778	9,000	200	STH 162
0010	421+42	-	425+94	CL	34	452	600	20	STH 162
0010	426+27	-	439+82	CL	30	1,355	2,000	50	STH 162
0010	439+82	-	453+97	CL	36	1,415	2,000	50	STH 162
0010	453+97	-	461+32	CL	32	735	1,000	25	STH 162
0010	461+32	-	683+82	CL	32	22,250	30,000	650	STH 162
TOTAL PROJECT ID 5865-02-60							77,000	1,800.0	
GRAND TOTAL							289,800	6,550	

STATE PROJECT NO: 5180-07-64; 5730-05-68;
5790-02-63 & 5865-02-60

STH 60, STH 56,
STH 171, STH 162

COUNTY: CRAWFORD & VERNON

MISCELLANEOUS
QUANTITIES

SHEET NO:

E

PREPARE EXISTING PAVEMENT FOR ASPHALTIC SEAL COAT WITH CRACK FILLING

SPV.0125.01					
CATEGORY	STATION TO	STATION	LOCATION	MI	REMARKS
0010	25+52	- 696+72	STH 60	12	
TOTAL PROJECT ID 5180-07-64				12	
0010	20+82	- 683+82	STH 162	13	
TOTAL PROJECT ID 5865-02-60				13	
GRAND TOTAL CRACK FILLING				25	

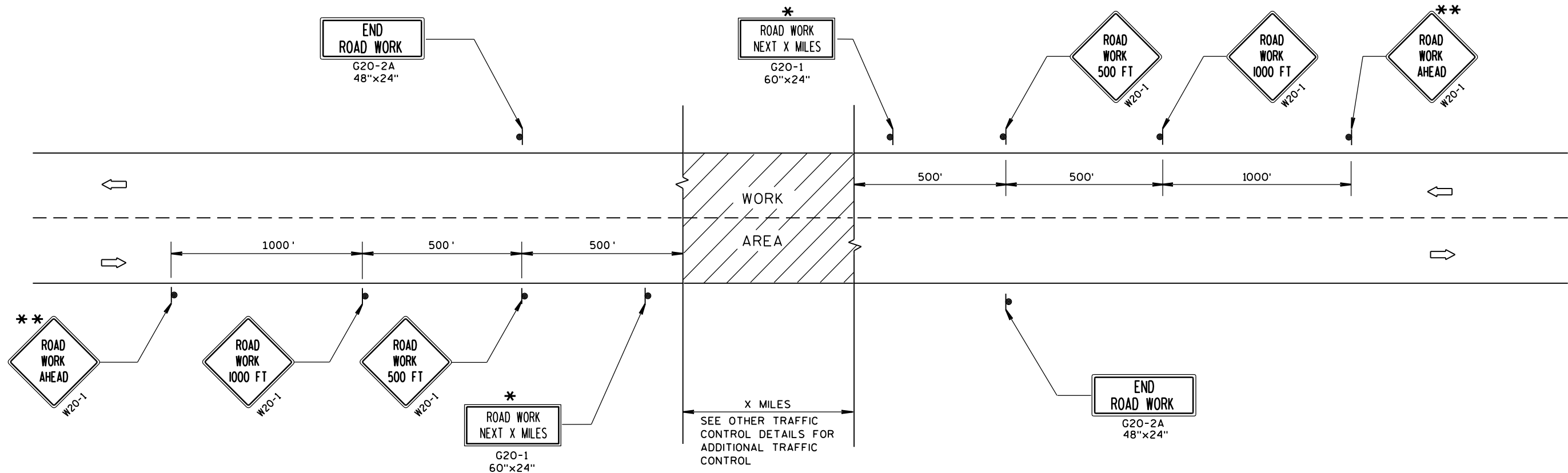
PREPARE EXISTING PAVEMENT FOR ASPHALTIC SEAL COAT WITH ROUT & SEAL

SPV.0125.02					
CATEGORY	STATION TO	STATION	LOCATION	MI	REMARKS
0010	386+50	- 1048+08	STH 56	13	
TOTAL PROJECT ID 5730-05-68				13	
0010	136+00	- 231+56	CL STH 171	2	
0010	237+60	- 330+30	CL STH 171	2	
0010	335+80	- 532+00	CL STH 171	4	
TOTAL PROJECT ID 5790-02-63				8	
GRAND TOTAL ROUT & SEAL				21	

STATE PROJECT NO: 5180-07-64; 5730-05-68; 5790-02-63 & 5865-02-60		HWY STH 60, STH 56, STH 171, STH 162	COUNTY: CRAWFORD & VERNON	MISCELLANEOUS QUANTITIES	SHEET NO:	E
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Standard Detail Drawing List

15C04-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M. P. H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-02A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING



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.

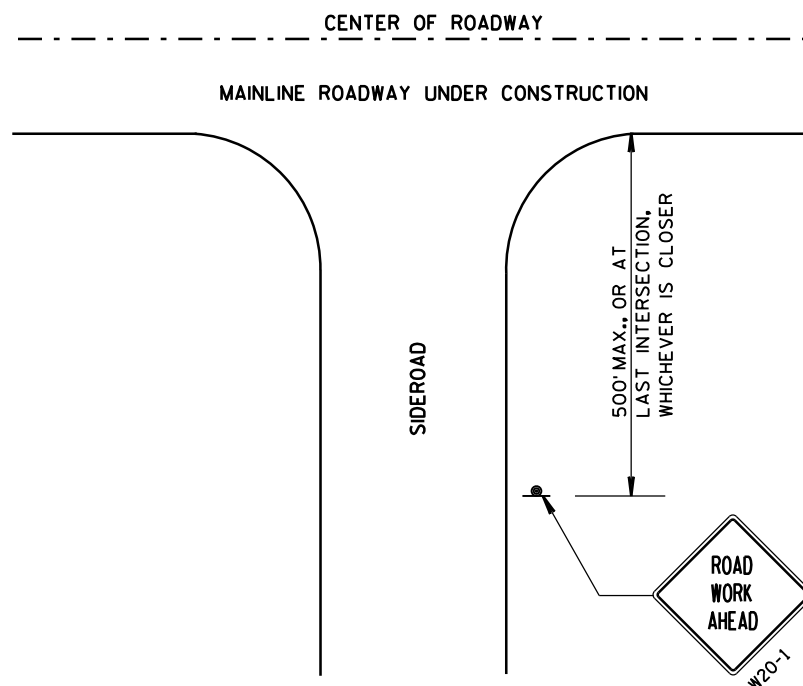
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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.

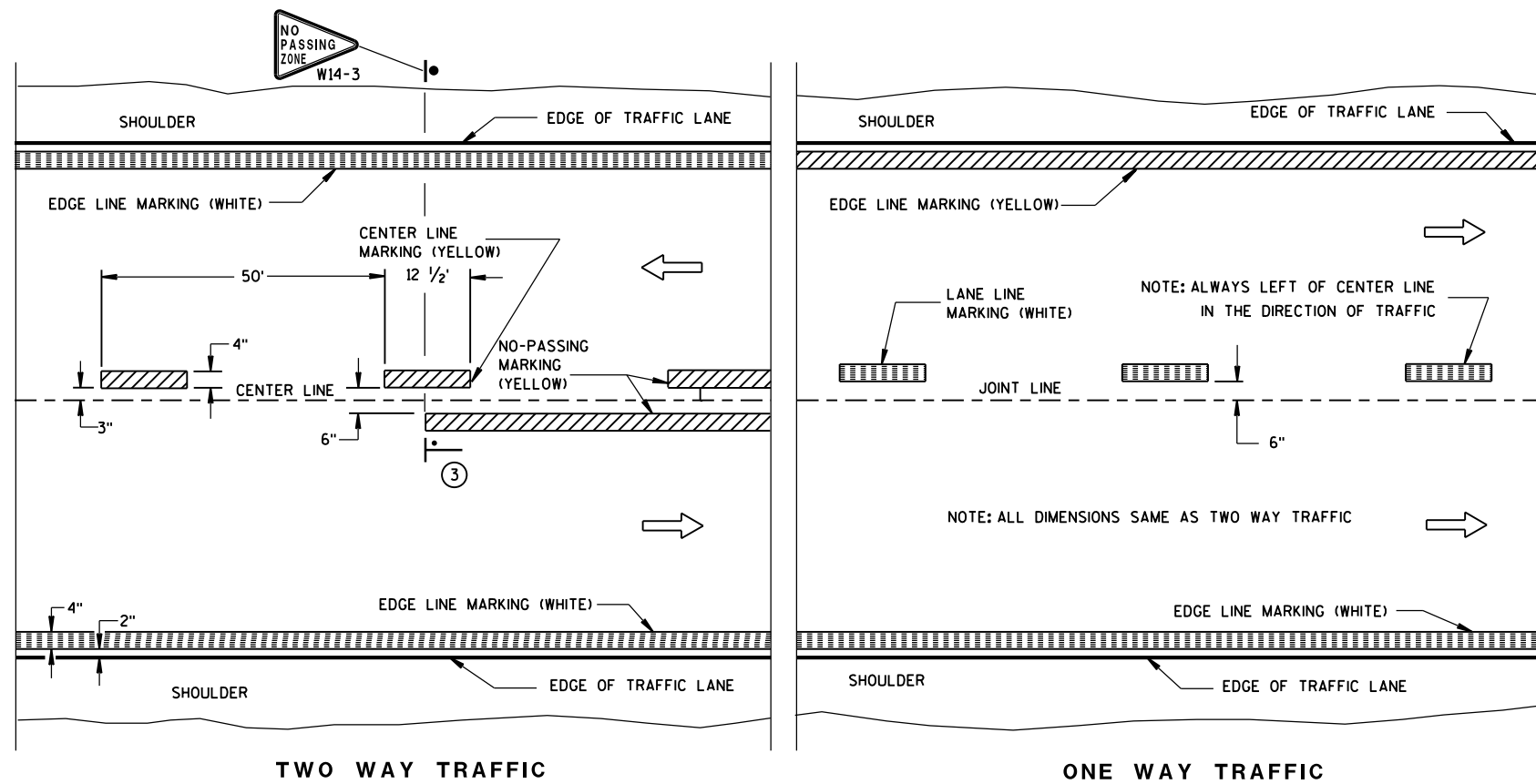
** PLACE ADDITIONAL W20-1 "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



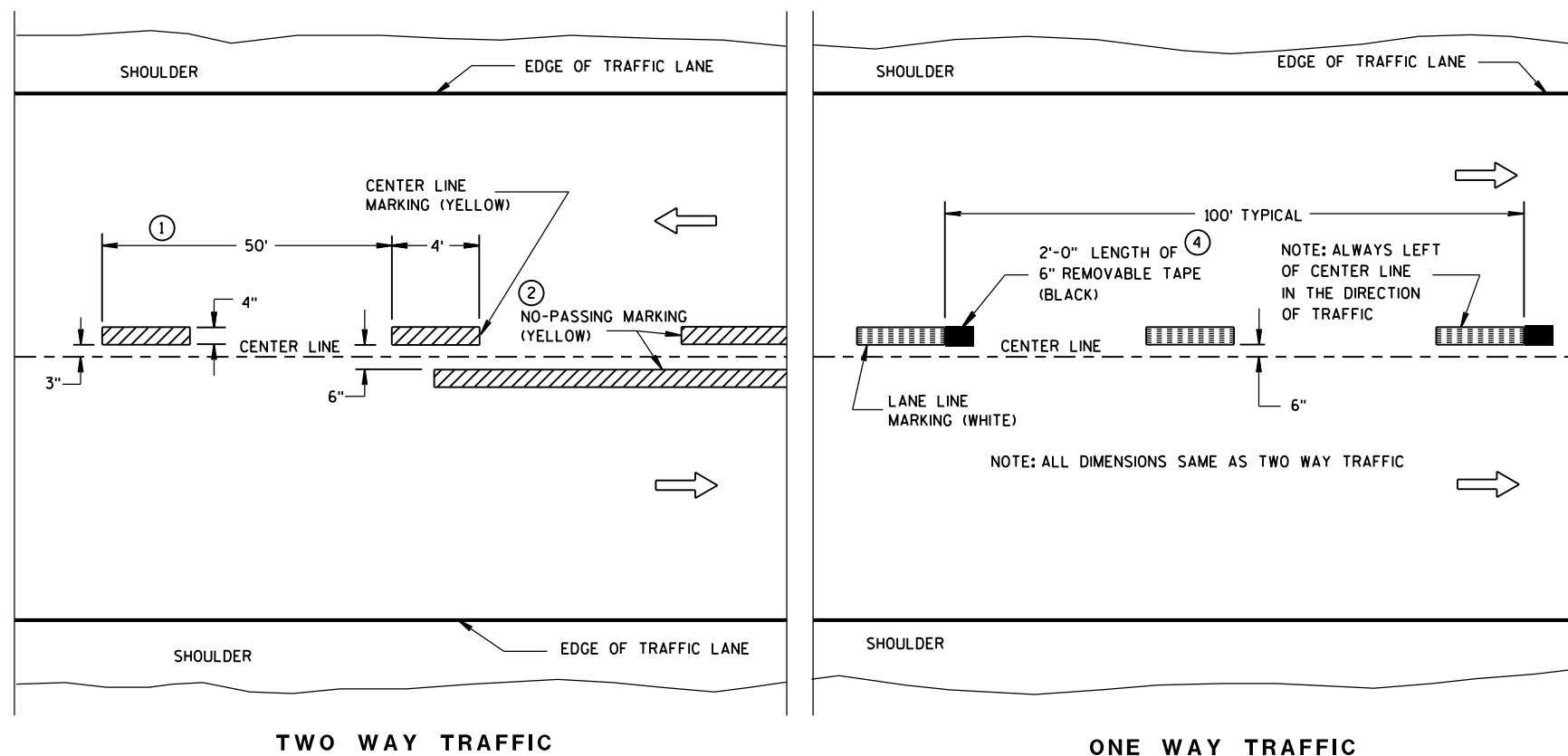
LEGEND

- 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 8/2013 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN
FHWA	



PERMANENT PAVEMENT MARKING




TEMPORARY (INTERMEDIATE) PAVEMENT MARKING
(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

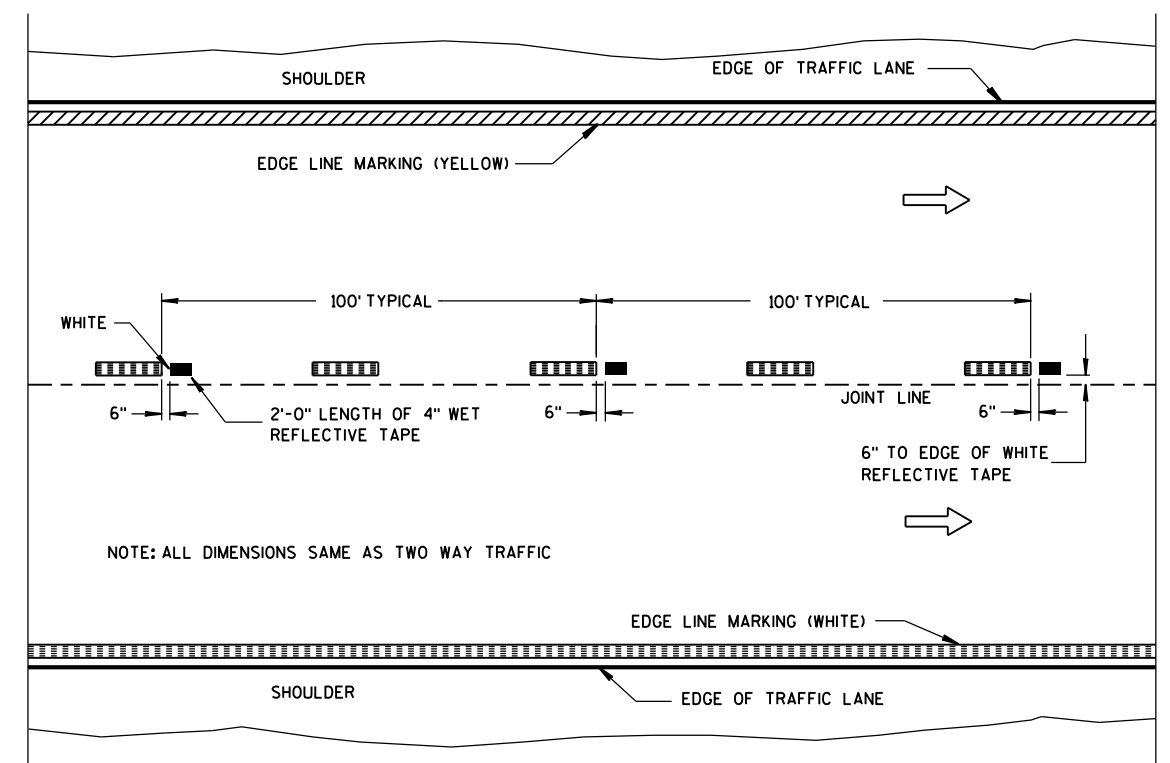
GENERAL NOTES

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

- ① HALF CYCLE LENGTHS (25'±) WITH 2" MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
- ② NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
- ③ NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
- ④ CONCRETE ONLY.

NOTE

ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

 "T" MARKING

● POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

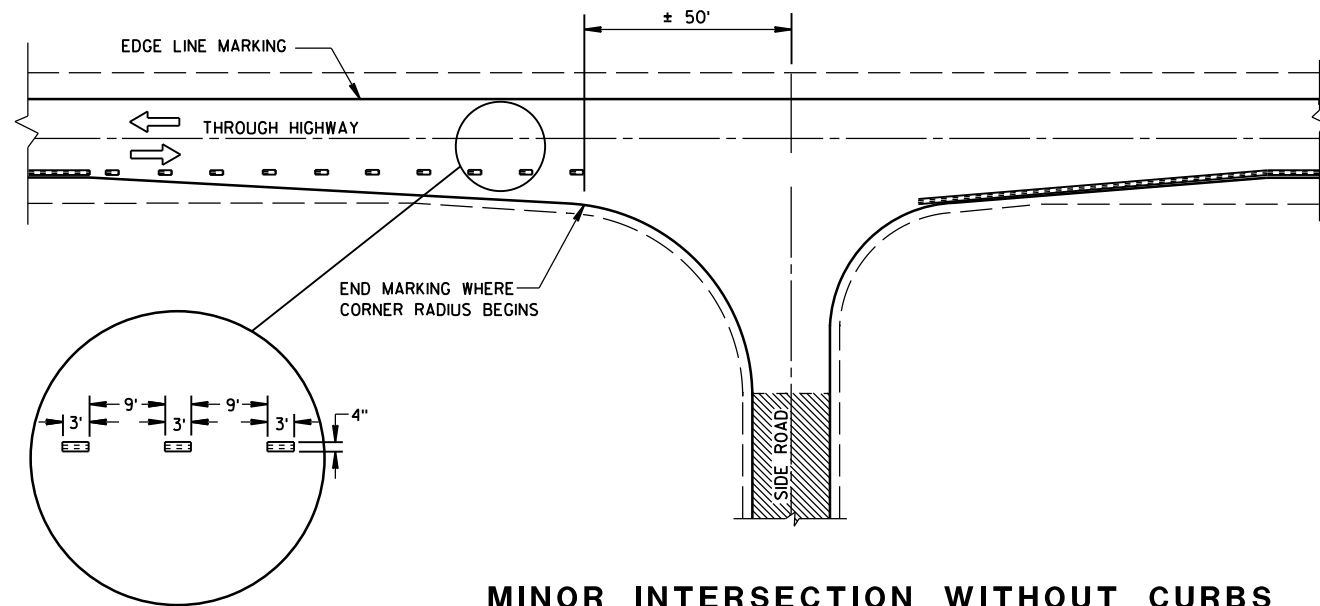
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-13-2013
DATE

FHWA

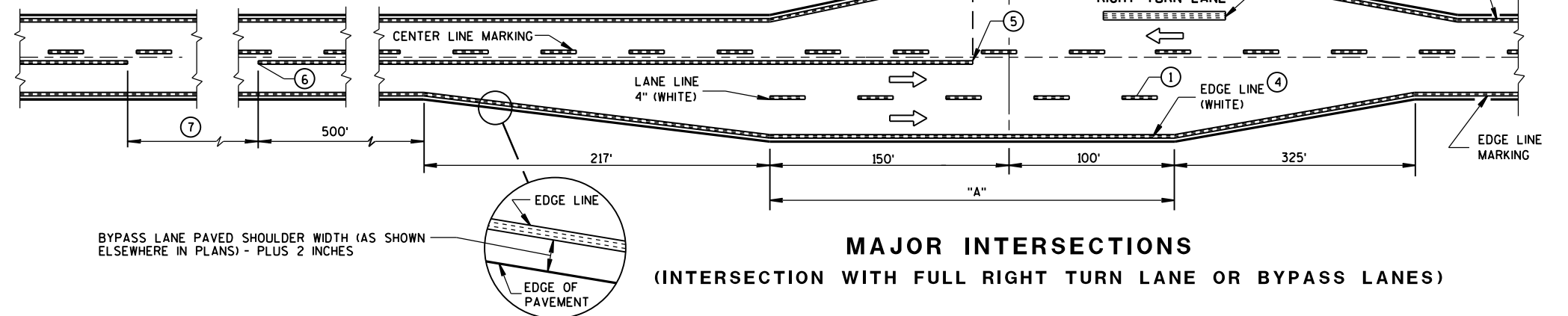
/S/ Travis Feltes
STATE TRAFFIC ENGINEER



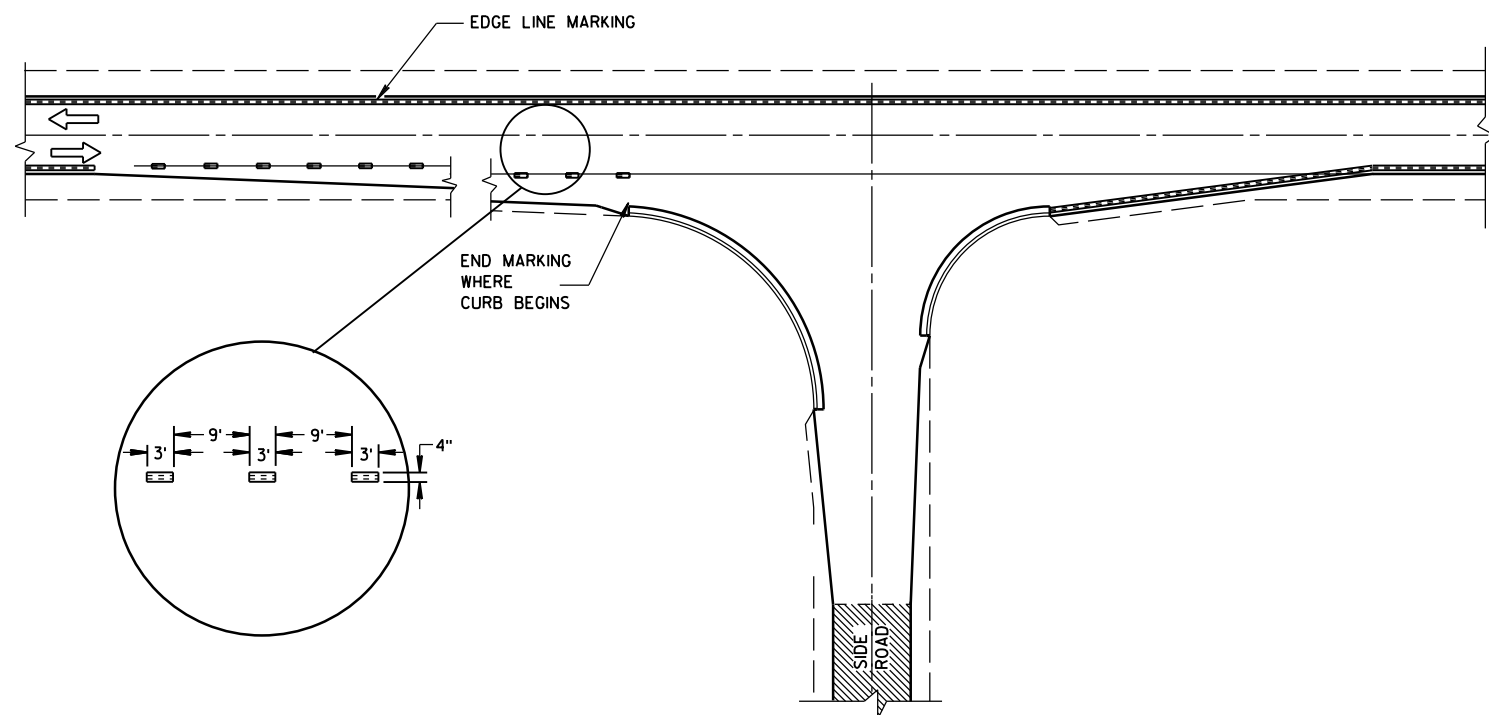
MINOR INTERSECTION WITHOUT CURBS

⑦

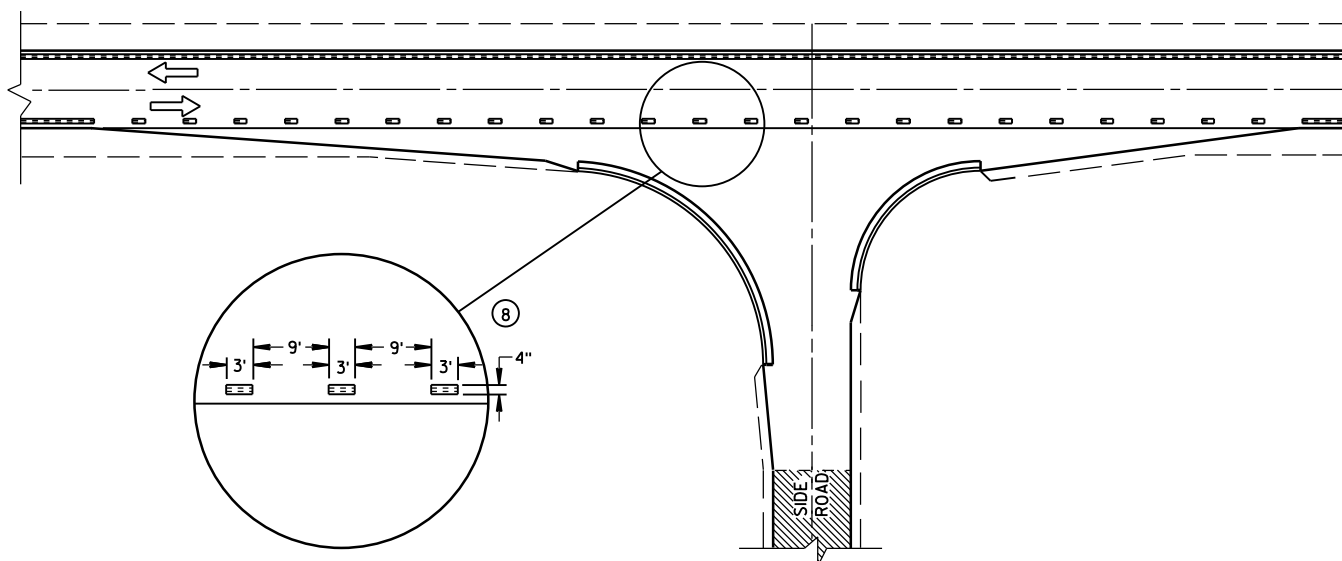
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



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



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS
⑧ (FOR SPECIAL CONDITIONS AS SPECIFIED)





GENERAL NOTES

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

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

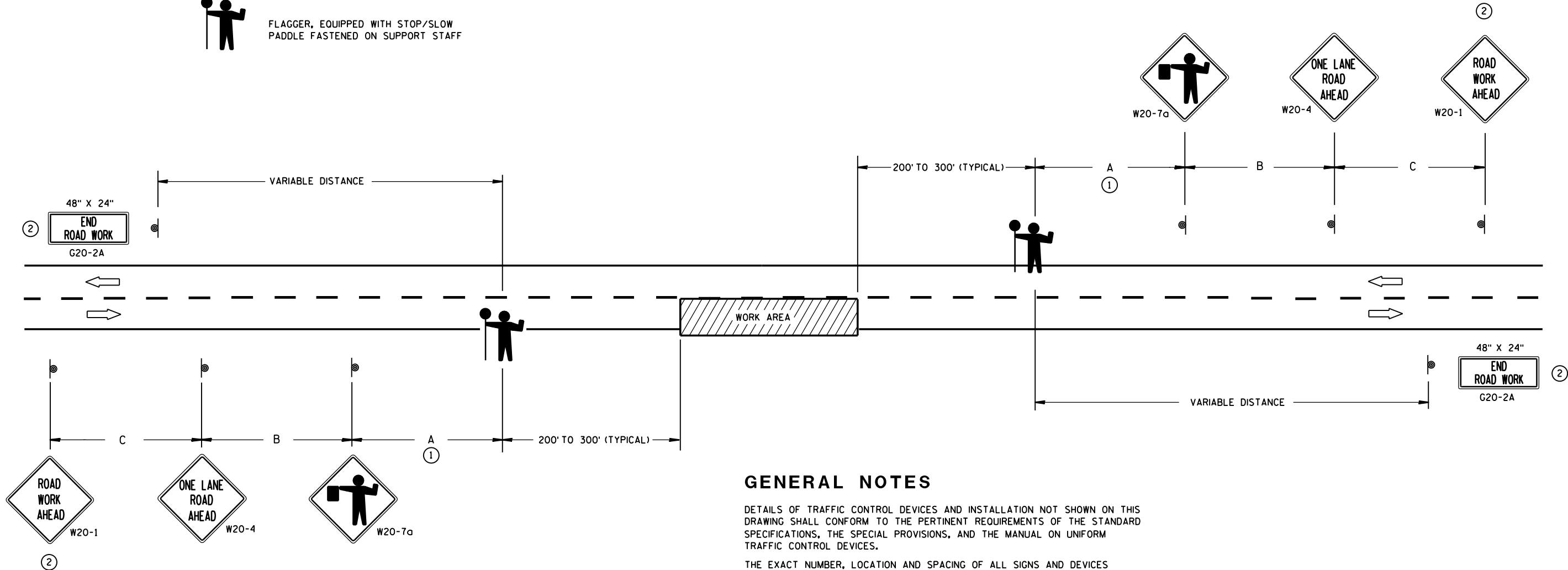
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
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 W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



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.

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.

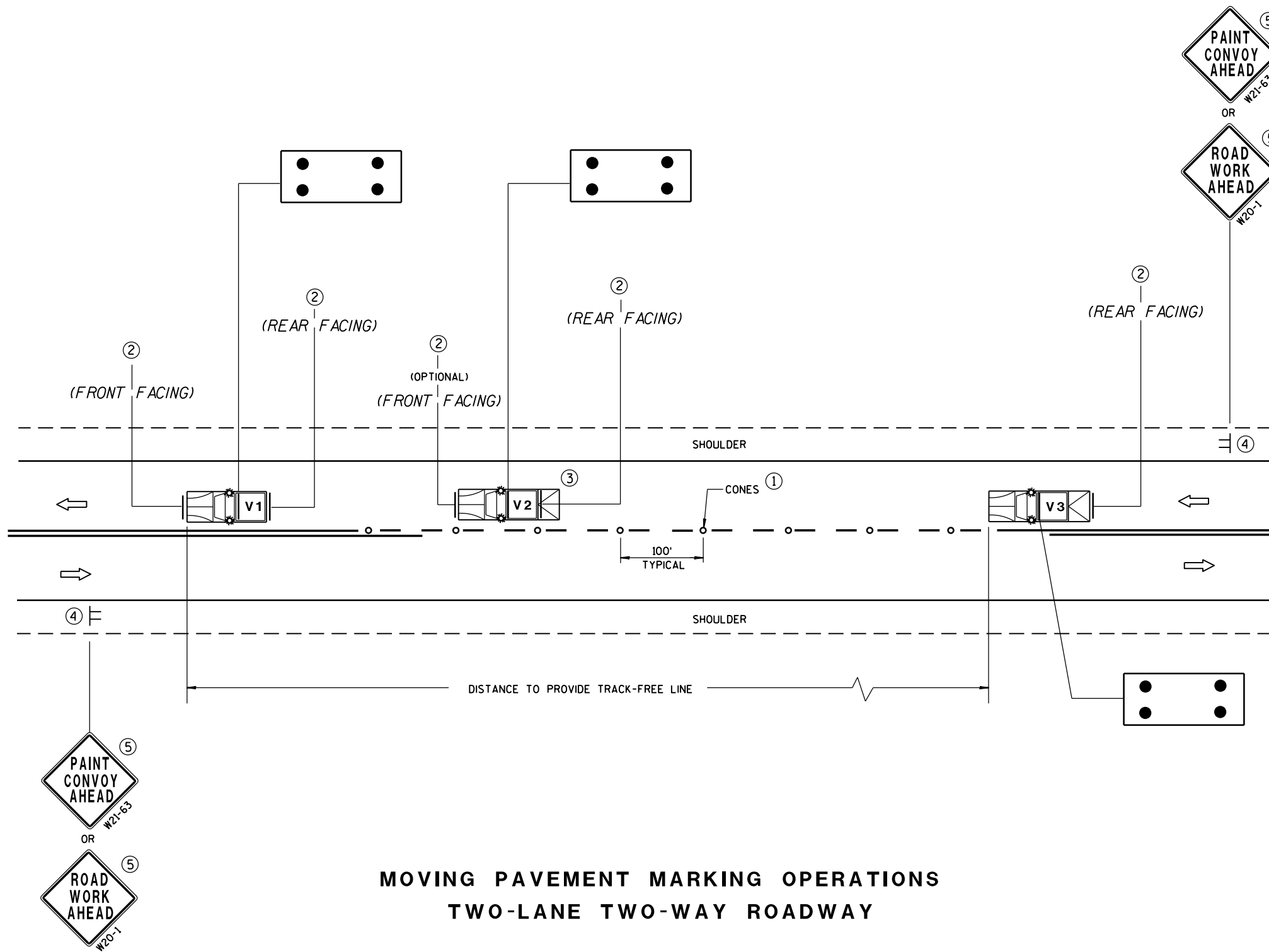
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

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

TRAFFIC CONTROL FOR LANE
CLOSURE (SUITABLE FOR
MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



MOVING PAVEMENT MARKING OPERATIONS TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

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

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

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

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

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

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

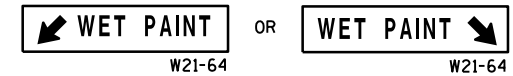
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

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

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

② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.



③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.

④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

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

LEGEND

V1 LEAD VEHICLE

V2 SHADOW VEHICLE

V3 TRAIL VEHICLE WITH TMA

TMA TRUCK-MOUNTED ATTENUATOR

 SIGN ON TEMPORARY SUPPORT

 DIRECTION OF TRAFFIC

 CONES

 FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING
OPERATION
TWO-LANE TWO-WAY ROADWAY

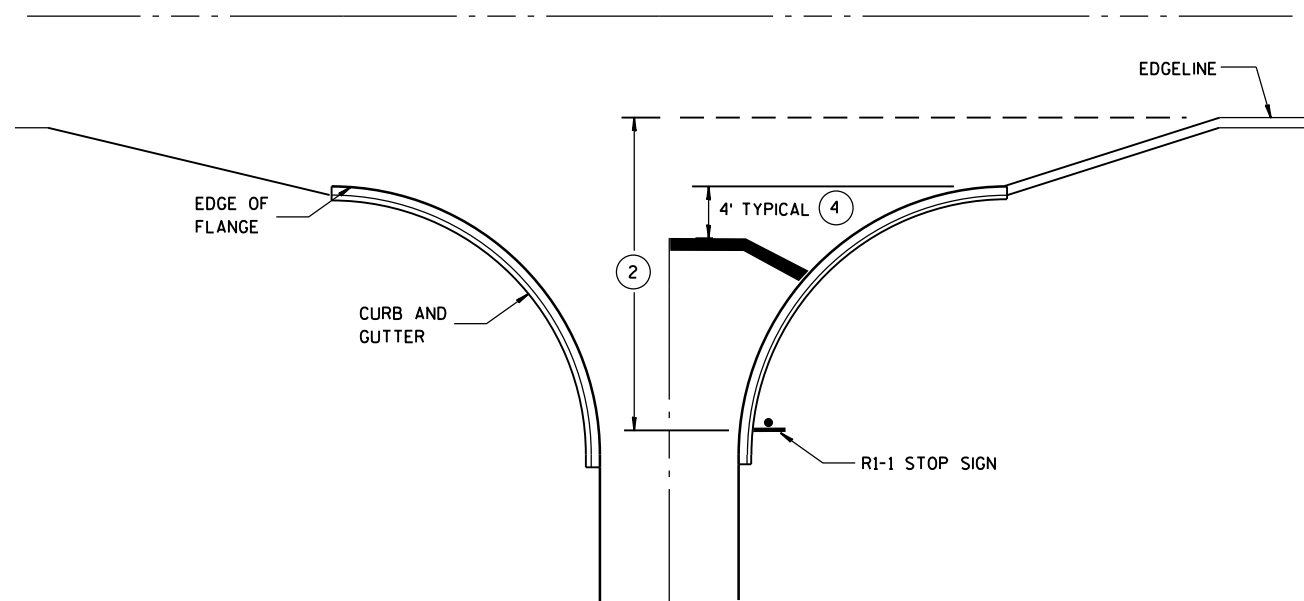
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

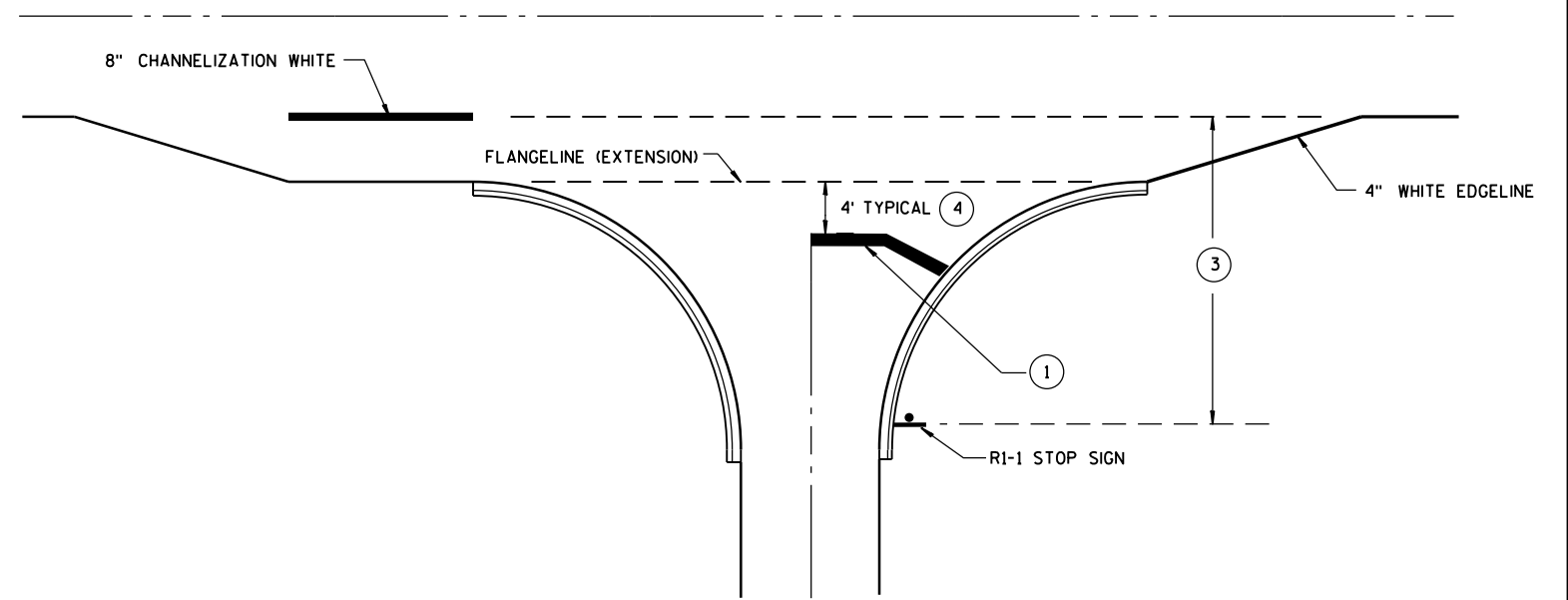
5/3/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

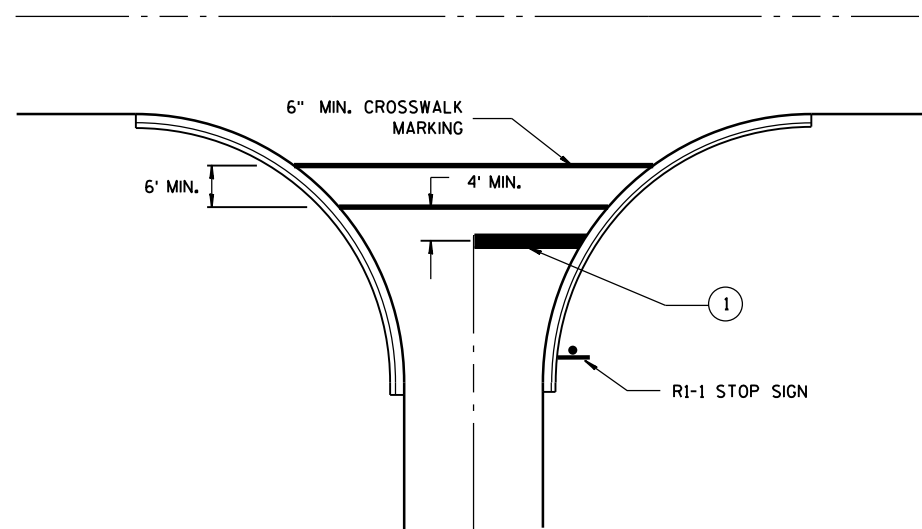
FHWA



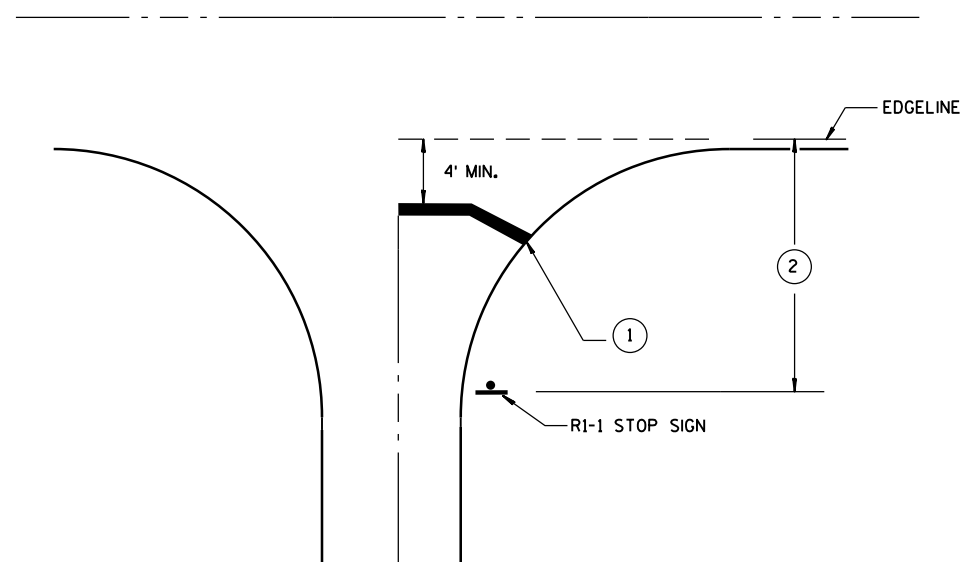
**TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER**



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



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



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

GENERAL NOTES

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

**STOP LINE AND CROSSWALK
PAVEMENT MARKING**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

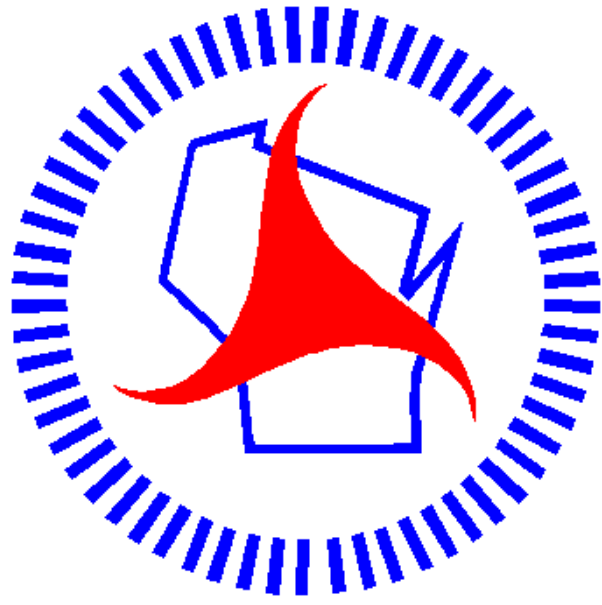
APPROVED

4/30/2013
DATE

FHWA

/S/ Travis Feltz
STATE TRAFFIC ENGINEER

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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