

EAU  
PROJECT ID: 9227-01-24  
WITH:

COUNTY: N.W. REGION

MAR 2016

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. 6 Standard Detail Drawings

TOTAL SHEETS = 18

32

CONVENTIONAL SYMBOLS

PLAN

CORPORATE LIMITS

PROPERTY LINE

LOT LINE

LIMITED HIGHWAY EASEMENT

EXISTING RIGHT OF WAY

PROPOSED OR NEW R/W LINE

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT

PROPOSED CULVERT  
(Box or Pipe)

COMBUSTIBLE FLUIDS

MARSH AREA

WOODED OR SHRUB AREA

PROFILE

GRADE LINE

ORIGINAL GROUND

MARSH OR ROCK PROFILE  
(To be noted as such)

SPECIAL DITCH

GRADE ELEVATION

CULVERT (Profile View)

UTILITIES

ELECTRIC

FIBER OPTIC

GAS

SANITARY SEWER

STORM SEWER

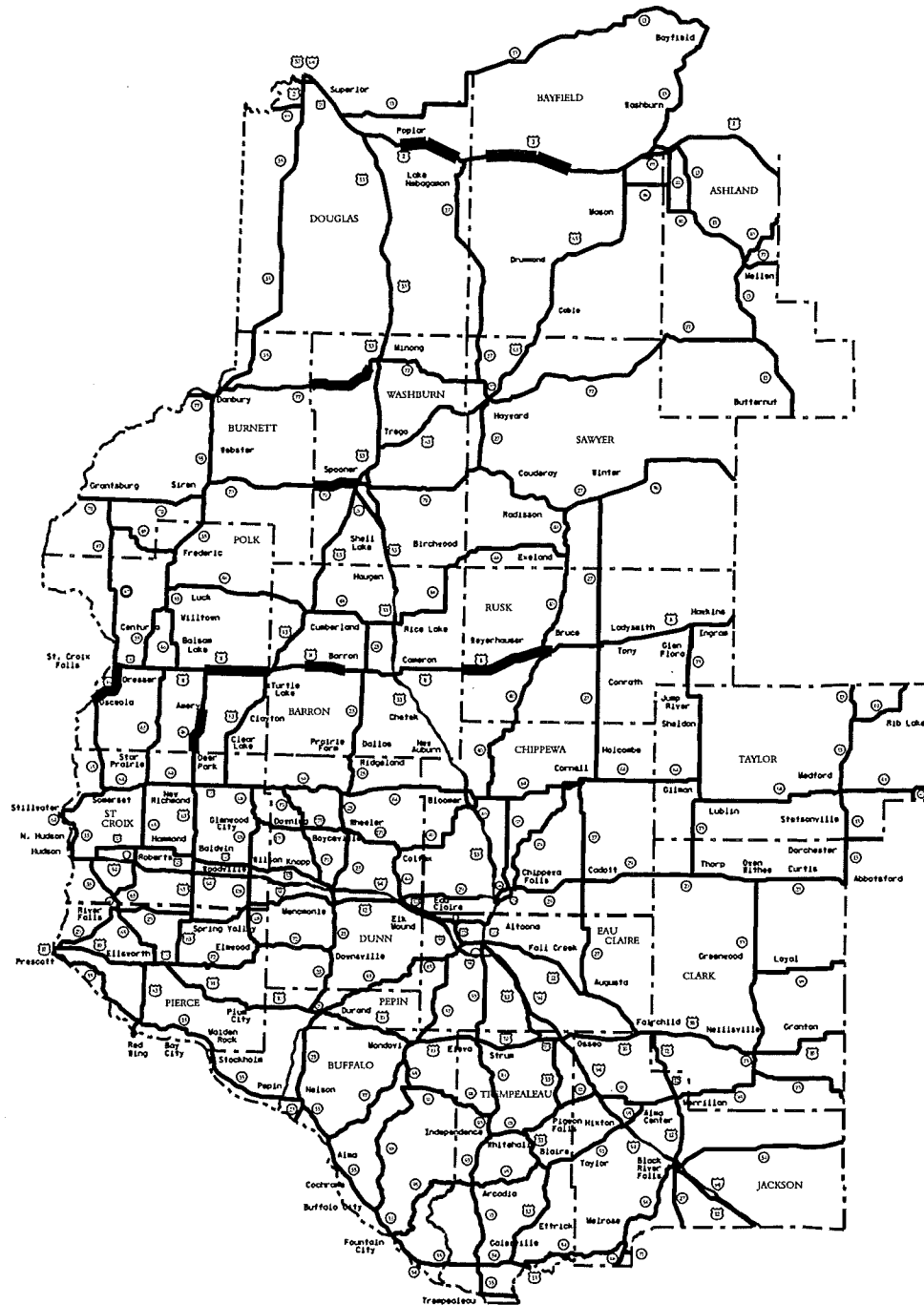
TELEPHONE

WATER

UTILITY PEDESTAL

POWER POLE

TELEPHONE POLE



STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

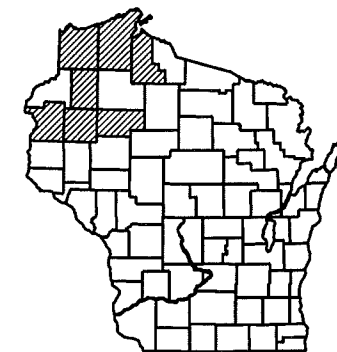
PLAN OF PROPOSED IMPROVEMENT

NORTHWEST REGION, CRACKFILL

VARIOUS HIGHWAYS (CRACKFILL)

NORTHWEST REGION WIDE

STATE PROJECT NUMBER  
9227-01-24



COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY  
COORDINATE SYSTEM (WCCS).

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor NORTHWEST REGION

Designer DOUGLAS ANDERSON

Project Manager NICOLE PASSUELLO

District Examiner CHRISTINE KOSKI

District Supervisor MARK PLOEDERER

C.O. Examiner

APPROVED FOR DISTRICT OFFICE

DATE: 12/19/15 Nicole Passuello  
(Signature)

E

LIST OF STANDARD ABBREVIATIONS

ABUT.	ABUTMENT
AGG.	AGGREGATE
AH.	AHEAD
APPROX.	APPROXIMATE
A.E.W.	APRON ENDWALL
ASPH.	ASPHALTIC
A.D.T.	AVERAGE DAILY TRAFFIC
AZ.	AZIMUTH
BK.	BACK
BEG.	BEGIN
B.M.	BENCH MARK
C/L	CENTER LINE
CONC.	CONCRETE
CONST.	CONSTRUCTION
CO.	COUNTY
C.T.H.	COUNTY TRUNK HIGHWAY
X-SEC.	CROSS SECTION
CR.	CRUSH
CFS	CUBIC FEET/SECOND
C.Y., CU.YD.	CUBIC YARD
CULV.	CULVERT
C.P.	CULVERT PIPE
D.O.T.	DEPARTMENT OF TRANSPORTATION
D.H.V.	DESIGN HOUR VOLUME
DIA.	DIAMETER
D.	DIRECTIONAL DISTRIBUTION
DISH. OR DIS.	DISCHARGE
EA.	EACH
ELECT.	ELECTRICT
EL. OR ELEV.	ELEVATION
EMB.	EMBANKMENT
E.B.S.	EXCAVATION BELOW SUBGRADE
EXIST.	EXISTING
FERT.	FERTILIZE
F.E.	FIELD ENTRANCE
FIN.	FINISHED
FT.	FOOT
F.L.	FLOW LINE
GA.	GAUGE
HORIZ.	HORIZONTAL
CWT.	HUNDREDWEIGHT
INL.	INLET
LT.	LEFT
L.H.F.	LEFT-HAND FORWARD
LIN.	LINEAR
LIN. FT.	LINEAR FOOT
L.S.	LUMP SUM
MAX.	MAXIMUM
MI.	MILE
MISC.	MISCELLANEOUS
N.E.	NORTH EAST
N.W.	NORTH WEST
PAV'T	PAVEMENT
P.C.	POINT OF CURVATURE
P.I.	POINT OF INTERSECTION
P.T.	POINT OF TANGENCY
P.O.T.	POINT OF TANGENT
LB.	POUND
P.E.	PRIVATE ENTRANCE
PROJ.	PROJECT
R.	RANGE
REQ'D	REQUIRE
RT.	RIGHT
R.H.F.	RIGHT-HAND FORWARD
R/W	RIGHT OF WAY
RD.	ROAD
SHR.	SHRINKAGE
SL.	SLOPE
STD.	STANDARD
S.D.D.	STANDARD DETAIL DRAWINGS
S.T.H.	STATE TRUNK HIGHWAY
STA.	STATION
S.P.P.A.	STRUCTURAL PLATE PIPE ARCH
STRUCT.	STRUCTURE
SURF.	SURFACE
TEL.	TELEPHONE
TN.	TOWN
T.	TRUCKS (PERCENT OF)
UNCL.	UNCLASSIFIED
U.G.	UNDERGROUND
V.	VELOCITY OR DESIGN SPEED
V.C.	VERTICAL CURVE

GENERAL NOTES

THE ENGINEER WILL DETERMINE ANY DETAILS OF CONSTRUCTION NOT SHOWN ON THE PLAN.

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO USGS DATUM.  
REMOVAL OF ANY SURVEY MARKER REQUIRES APPROVAL OF THE ENGINEER.

TEMPORARY RAISED MARKERS WILL BE USED WHEN: 50 PERCENT OR MORE OF THE CENTERLINE IS OBSTRUCTED AND PERMANENT PAVEMENT MARKINGS WILL NOT BE APPLIED FOR MORE THAN 24 HOURS.

STRUCTURES THAT HAVE A CONCRETE DECK SHALL NOT HAVE SEALANT APPLIED TO THEM, BUT WILL HAVE THE PROJECT ENGINEER DETERMINE IF THEY WILL HAVE PAVEMENT MARKINGS APPLIED OR NOT.

STRUCTURES THAT HAVE ASPHALTIC SURFACE SHALL BE CRACK SEALED AND HAVE PAVEMENT MARKINGS APPLIED WITH THE REST OF THE SEGMENT.

WISCONSIN DNR - LIASON

DNR - SERVICE CENTER  
810 W. MAPLE STREET  
SPOONER, WISCONSIN 54801  
PHONE: (715) 625-4228  
ATTN: SHAWN HASELEU



Dial 811 or (800)242-8511  
www.DiggersHotline.com

UTILITIIES

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

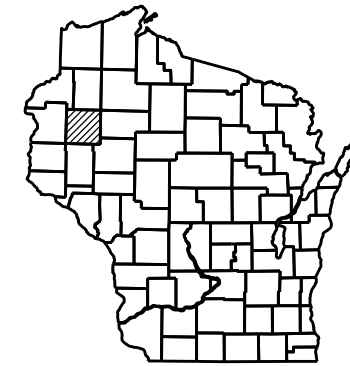
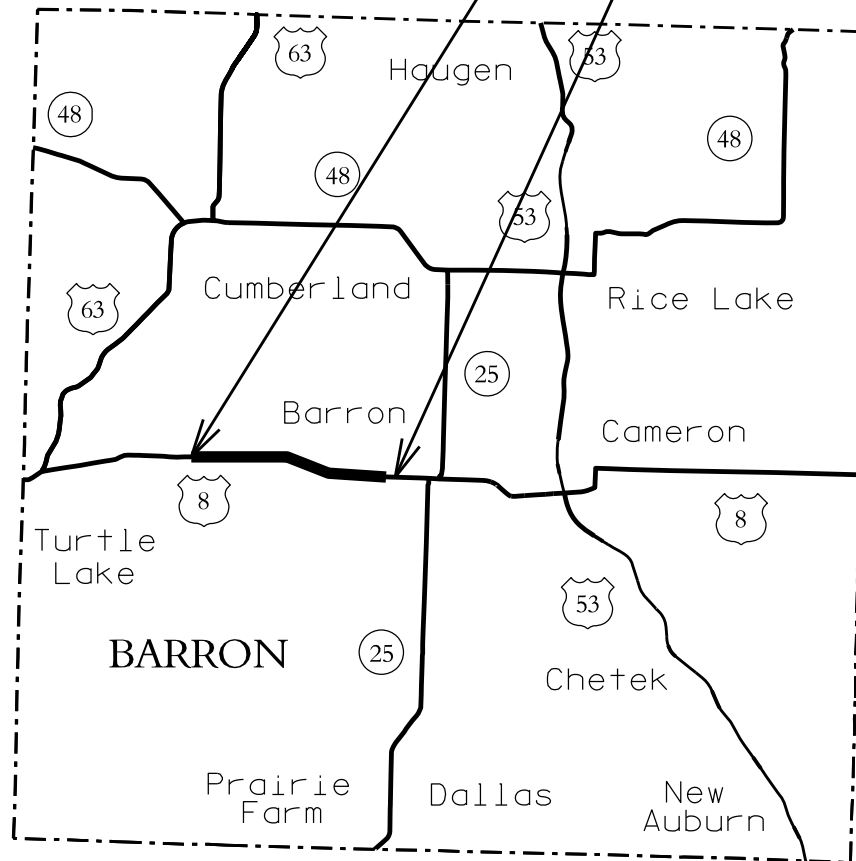
RAILROAD

CANADIAN NATIONAL RAILROAD (WCL)  
ATTN: JACKIE MACEWICZ  
1625 DEPOT STREET  
STEVENS POINT, WI 54481  
PHONE: (715) 345-2503  
FAX: (715) 345-2534  
EMAIL: jackie.macewicz@cn.ca

ALMENA - BARRON  
USH 8  
ALMENA - WYE STREET

START  
USH 8  
STA 0+00

END  
USH 8  
STA 432+96



BARRON

3



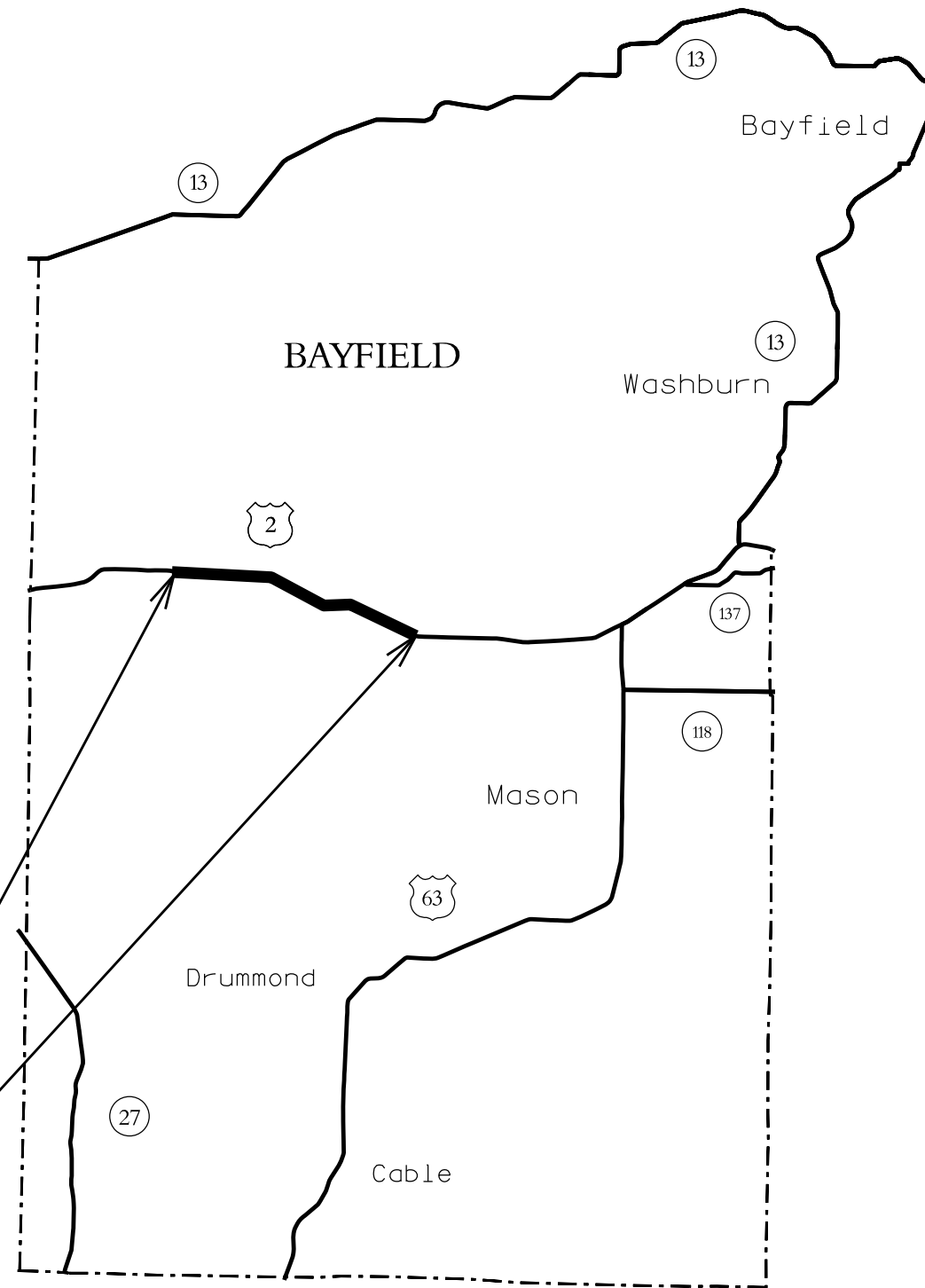
CONSTRUCTION NOTES

MILEAGE RANGES ARE APPROXIMATE.  
ACTUAL FIELD CONDITIONS MAY VARY.

IRON RIVER - INO  
USH 2  
CTH A - CTH E

START  
USH 2  
STA 0+00

END  
USH 2  
STA 635+18



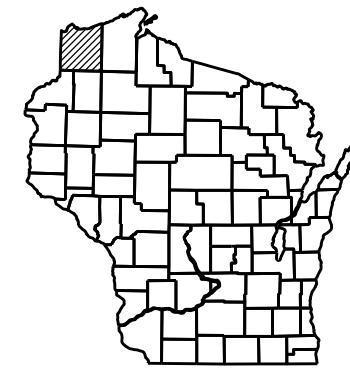
BAYFIELD

4

N

CONSTRUCTION NOTES

MILEAGE RANGES ARE APPROXIMATE.  
ACTUAL FIELD CONDITIONS MAY VARY.

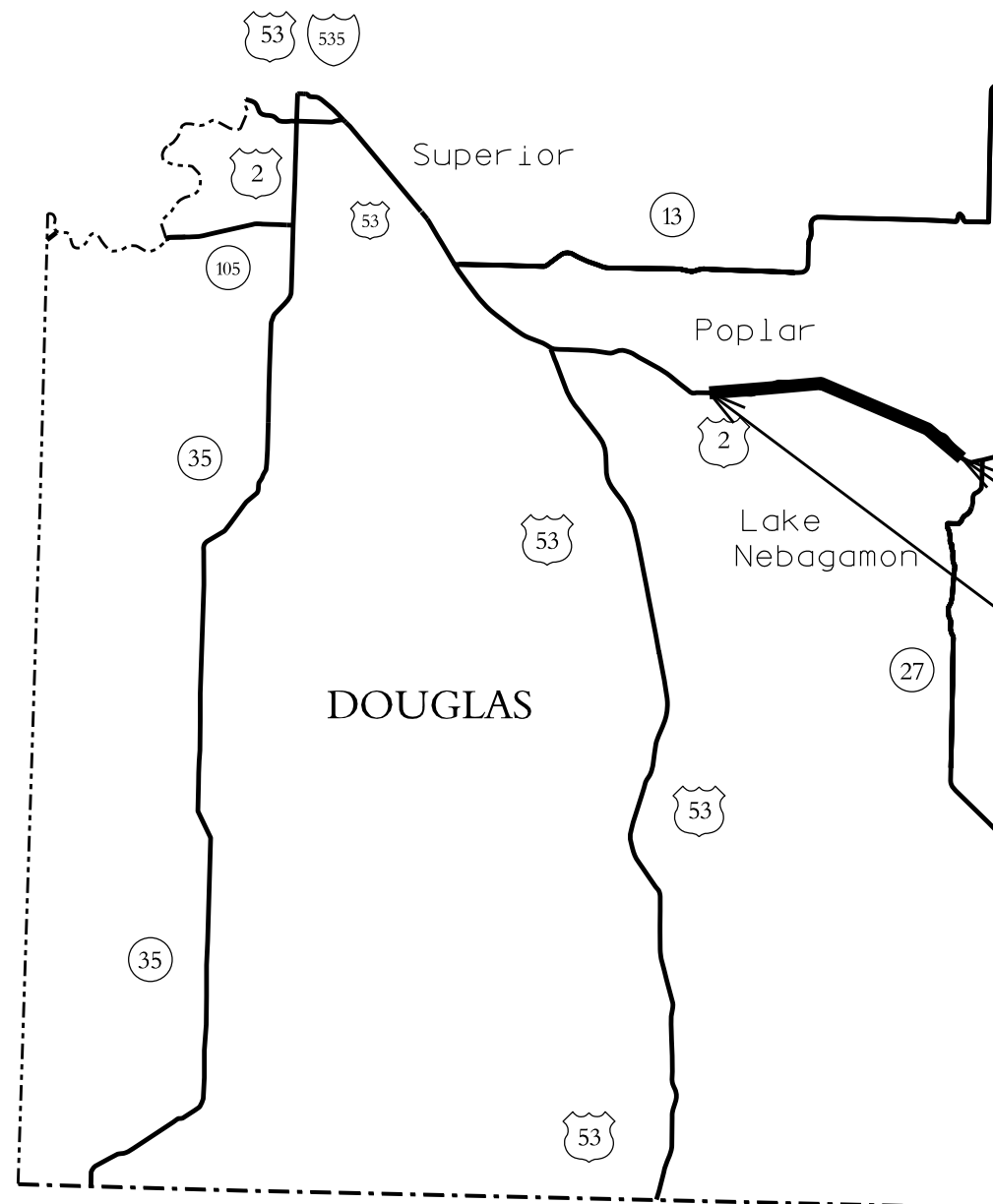


DOUGLAS

16

**CONSTRUCTION NOTES**

MILEAGE RANGES ARE APPROXIMATE.  
ACTUAL FIELD CONDITIONS MAY VARY.



END

USH 2

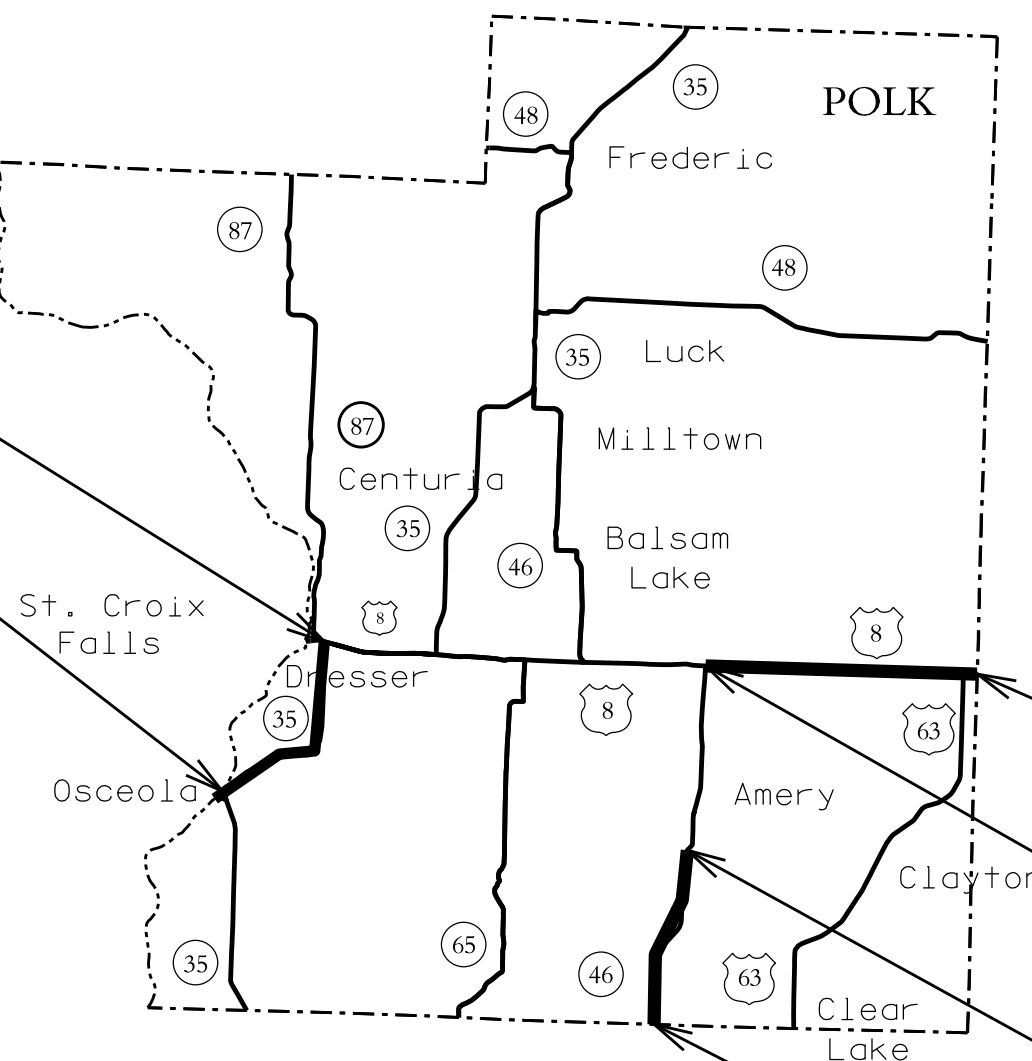
STA 495+26

START

USH 2

STA 0+00

**POPLAR - BRULE**  
**USH 2**  
**CTH D - CLEV DON RD**

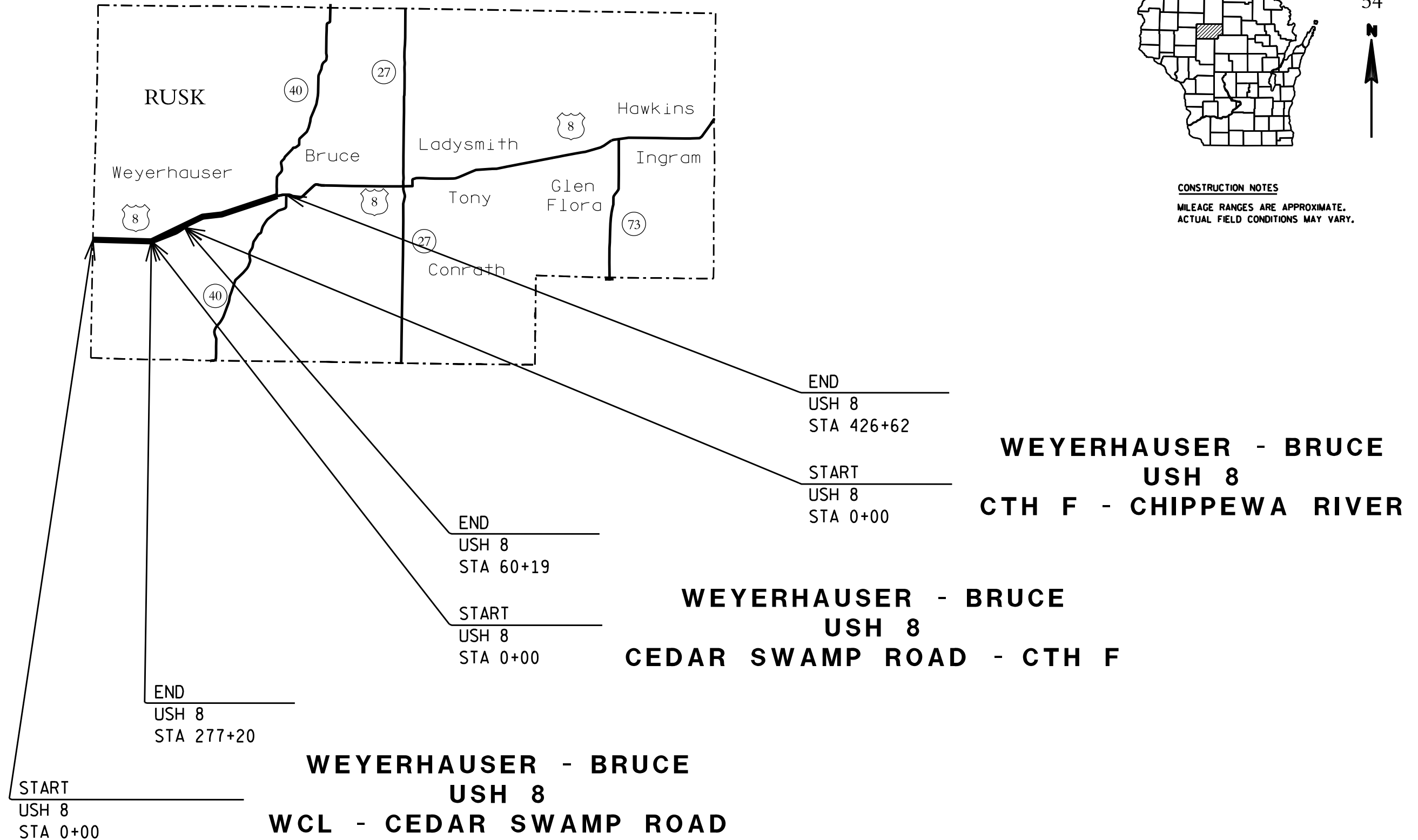
**OSCEOLA-ST CROIX FALLS****STH 35****STH 243 - USH 8**END  
STH 35  
STA 421+87START  
STH 35  
STA 0+00

POLK

48

N

**CONSTRUCTION NOTES**MILEAGE RANGES ARE APPROXIMATE.  
ACTUAL FIELD CONDITIONS MAY VARY.**APPLE RIV - TURTLE LK**END  
USH 8  
STA 535+92**USH 8**  
**STH 46 - ECL**START  
USH 8  
STA 0+00END  
STH 46  
STA 351+12START  
STH 46  
STA 0+00**SCL - AMERY**  
**STH 46**  
**SCL - GRIFFIN ST**



WCL - MINONG  
STH 77  
WCL - CTH I

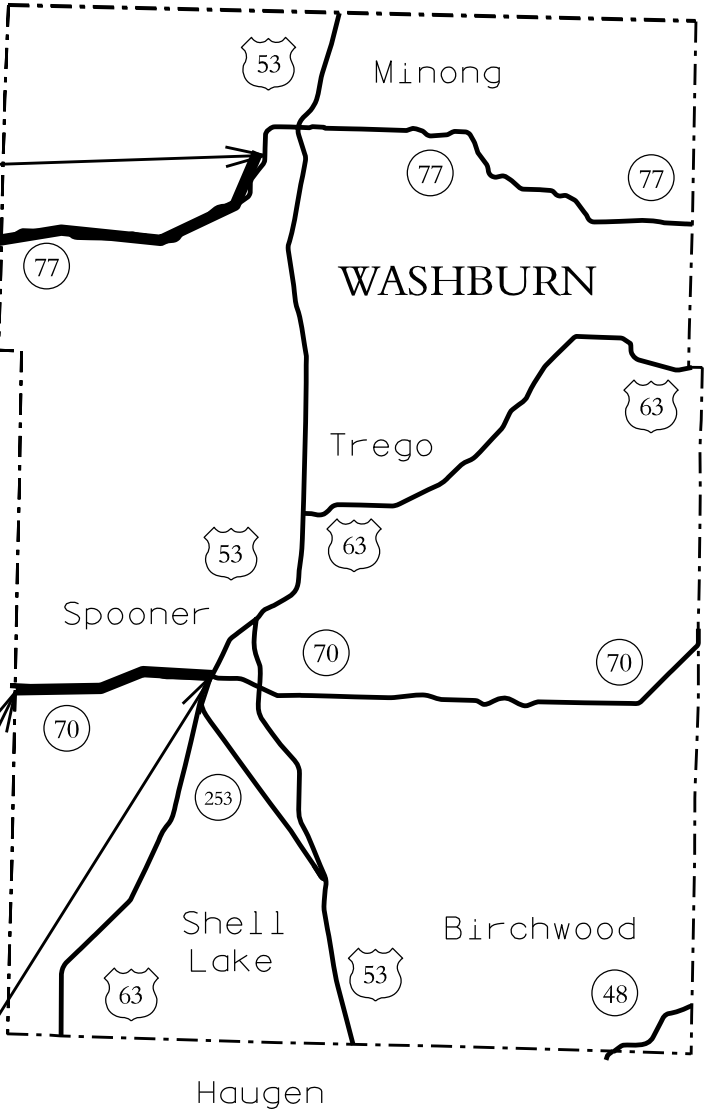
END  
STH 77  
STA 636+24

START  
STH 77  
STA 0+00

WCL - SPOONER  
STH 70  
WCL - USH 63

START  
STH 70  
STA 0+00

END  
STH 70  
STA 370+66



WASHBURN

65

N

CONSTRUCTION NOTES  
MILEAGE RANGES ARE APPROXIMATE.  
ACTUAL FIELD CONDITIONS MAY VARY.



DATE 12JAN16		E S T I M A T E O F Q U A N T I T I E S			
LINE					9227-01-24
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	619.1000	Mobilization	EACH	1.000	1.000
0020	643.0100	Traffic Control (project) 01.	EACH	1.000	1.000
0030	646.0103	Pavement Marking Paint 4-Inch	LF	804,861.000	804,861.000
0040	646.0106	Pavement Marking Epoxy 4-Inch	LF	235,741.000	235,741.000
0050	646.0123	Pavement Marking Paint 8-Inch	LF	9,838.000	9,838.000
0060	646.0126	Pavement Marking Epoxy 8-Inch	LF	2,076.000	2,076.000
0070	649.0402	Temporary Pavement Marking Paint 4-Inch	LF	69,750.000	69,750.000
0080	649.2100	Temporary Raised Pavement Markers	EACH	30,000.000	30,000.000
0090	SPV.0125	Special 01. Sealing Asphaltic Pavement Cracks USH 8, Almena-Wye St.	MI	8.200	8.200
0100	SPV.0125	Special 02. Sealing Asphaltic Pavement Cracks USH 2, CTH A-CTH E	MI	12.030	12.030
0110	SPV.0125	Special 03. Sealing Asphaltic Pavement Cracks USH 2, CTH D-Clevdon Rd	MI	9.380	9.380
0120	SPV.0125	Special 04. Sealing Asphaltic Pavement Cracks USH 8, STH 46-ECL	MI	10.150	10.150
0130	SPV.0125	Special 05. Sealing Asphaltic Pavement Cracks STH 35, STH 243-USH 8	MI	7.990	7.990
0140	SPV.0125	Special 06. Sealing Asphaltic Pavement Cracks STH 46, SCL-Griffin St.	MI	6.650	6.650
0150	SPV.0125	Special 07. Sealing Asphaltic Pavement Cracks USH 8, WCL-Cedar Swamp Rd	MI	5.250	5.250
0160	SPV.0125	Special 08. Sealing Asphaltic Pavement Cracks USH 8, Cedar Swamp Rd-CTH F	MI	1.140	1.140
0170	SPV.0125	Special 09. Sealing Asphaltic Pavement Cracks USH 8, CTH F-Chippewa River	MI	8.080	8.080
0180	SPV.0125	Special 10. Sealing Asphaltic Pavement Cracks STH 70, WCL-USH 63	MI	7.020	7.020
0190	SPV.0125	Special 11. Sealing Asphaltic Pavement Cracks STH 77, WCL-CTH I	MI	12.050	12.050

3

MOBILIZATION			
CAT	LOCATION	619.1000 EACH	REMARKS
0010	PROJECT	1	
TOTAL 0010		1	

TRAFFIC CONTROL (01.9227-01-24)			
CAT	LOCATION	643.0100 EACH	REMARKS
0010	PROJECT	1	
TOTAL 0010		1	

PAVEMENT MARKING PAINT 4-INCH						
CAT	COUNTY	ROUTE	ROADWAY	LIMITS	YELLOW 646.0103 LF	WHITE 646.0103 LF
0010	BARRON	USH 8	ALMENA-BARRON	ALMENA-WYE ST	0	0
0010	BAYFIELD	USH 2	IRON RIVER-INO	CTH A-CTH E	0	0
0010	DOUGLAS	USH 2	POPLAR-BRULE	CTH D-CLEVDON RD	0	0
0010	POLK	USH 8	APPLE RIV-TURTLE LK	STH 46-ECL	68,508	98,085
0010	POLK	STH 35	OSCEOLA-ST CROIX FALLS	STH 243-USH 8	61,946	75,813
0010	POLK	STH 46	SCL-AMERY	SCL-GRIFFIN ST	39,498	66,151
0010	RUSK	USH 8	WEYERHAUSER-BRUCE	WCL-CEDAR SWAMP RD	18,340	0
0010	RUSK	USH 8	WEYERHAUSER-BRUCE	CEDAR SWAMP RD-CTH F	3,690	0
0010	RUSK	USH 8	WEYERHAUSER-BRUCE	CTH F-CHIPPEWA RIV	43,911	11,760
0010	WASHBURN	STH 70	WCL-SPOONER	WCL-USH 63	22,015	70,676
0010	WASHBURN	STH 77	WCL-MINONG	WCL- CTH I	100,360	124,108
SUB-TOTAL					358,268	446,593
					YELLOW	WHITE
TOTAL 0010					804,861	

TEMPORARY PAVEMENT MARKING PAINT 4-INCH					
CAT	COUNTY	ROUTE	ROADWAY	649.0402 LF	REMARKS
0010	VARIES	VARIES	UNDISTRIBUTED	69,750	YELLOW CENTERLINE AS DIRECTED BY THE PROJECT ENGINEER
TOTAL 0010				69,750	

TEMPORARY RAISED PAVEMENT MARKERS						
CAT	COUNTY	ROUTE	ROADWAY	LIMITS	649.21 EACH	REMARKS
0010					30,000	UNDISTRIBU
SUB-TOTAL					30,000	
TOTAL 0010					30,000	

PAVEMENT MARKING EPOXY 4-INCH						
CAT	COUNTY	ROUTE	ROADWAY	LIMITS	YELLOW 646.0106 LF	WHITE 646.0106 LF
0010	BARRON	USH 8	ALMENA-BARRON	ALMENA-WYE ST	52,062	84,039
0010	BAYFIELD	USH 2	IRON RIVER-INO	CTH A-CTH E	99,502	138
0010	DOUGLAS	USH 2	POPLAR-BRULE	CTH D-CLEVDON RD	---	---
0010	POLK	USH 8	APPLE RIV-TURTLE LK	STH 46-ECL	---	---
0010	POLK	STH 35	OSCEOLA-ST CROIX FALLS	STH 243-USH 8	---	---
0010	POLK	STH 46	SCL-AMERY	SCL-GRIFFIN ST	---	---
0010	RUSK	USH 8	WEYERHAUSER-BRUCE	WCL-CEDAR SWAMP RD	---	---
0010	RUSK	USH 8	WEYERHAUSER-BRUCE	CEDAR SWAMP RD-CTH F	---	---
0010	RUSK	USH 8	WEYERHAUSER-BRUCE	CTH F-CHIPPEWA RIV	---	---
0010	WASHBURN	STH 70	WCL-SPOONER	WCL-USH 63	---	---
0010	WASHBURN	STH 77	WCL-MINONG	WCL- CTH I	---	---
SUB-TOTAL					151,564	84,177
					YELLOW	WHITE
TOTAL 0010					235,741	

3

PAVEMENT MARKING PAINT 8-INCH

						646.0123
CAT	COUNTY	ROUTE	ROADWAY	LIMITS	LF	REMARKS
0010	BARRON	USH 8	ALMENA-BARRON	ALMENA-WYE ST	---	
0010	BAYFIELD	USH 2	IRON RIVER-INO	CTH A-CTH E	---	
0010	DOUGLAS	USH 2	POPLAR-BRULE	CTH D-CLEVDON RD	---	
0010	POLK	USH 8	APPLE RIV-TURTLE LK	STH 46-ECL	6,456	
0010	POLK	STH 35	OSCEOLA-ST CROIX FALLS	STH 243-USH 8	1,545	
0010	POLK	STH 46	SCL-AMERY	SCL-GRIFFIN ST	868	
0010	RUSK	USH 8	WEYERHAUSER-BRUCE	WCL-CEDAR SWAMP RD	---	
0010	RUSK	USH 8	WEYERHAUSER-BRUCE	CEDAR SWAMP RD-CTH F	---	
0010	RUSK	USH 8	WEYERHAUSER-BRUCE	CTH F-CHIPPEWA RIV	334	
0010	WASHBURN	STH 70	WCL-SPOONER	WCL-USH 63	135	
0010	WASHBURN	STH 77	WCL-MINONG	WCL- CTH I	500	
SUB-TOTAL					9,838	
					WHITE	
TOTAL 0010					9,838	

PAVEMENT MARKING EPOXY 8-INCH

						646.0126
CAT	COUNTY	ROUTE	ROADWAY	LIMITS	LF	REMARKS
0010	BARRON	USH 8	ALMENA-BARRON	ALMENA-WYE ST	2,076	
0010	BAYFIELD	USH 2	IRON RIVER-INO	CTH A-CTH E	---	
0010	DOUGLAS	USH 2	POPLAR-BRULE	CTH D-CLEVDON RD	---	
0010	POLK	USH 8	APPLE RIV-TURTLE LK	STH 46-ECL	---	
0010	POLK	STH 35	OSCEOLA-ST CROIX FALLS	STH 243-USH 8	---	
0010	POLK	STH 46	SCL-AMERY	SCL-GRIFFIN ST	---	
0010	RUSK	USH 8	WEYERHAUSER-BRUCE	WCL-CEDAR SWAMP RD	---	
0010	RUSK	USH 8	WEYERHAUSER-BRUCE	CEDAR SWAMP RD-CTH F	---	
0010	RUSK	USH 8	WEYERHAUSER-BRUCE	CTH F-CHIPPEWA RIV	---	
0010	WASHBURN	STH 70	WCL-SPOONER	WCL-USH 63	---	
0010	WASHBURN	STH 77	WCL-MINONG	WCL- CTH I	---	
SUB-TOTAL					2,076	
					WHITE	
TOTAL 0010					2,076	

SPECIAL(01. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, ALMENA-WYE ST.)						
					SPV.0125 (1)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI
						REMARKS
0010	0+00	-	432+96	USH 8	ALMENA - WYE ST.	8.20
					TOTAL 0010	8.20

SPECIAL(02. SEALING ASPHALTIC PAVEMENT CRACKS, USH 2, CTH A-CTH E)						
					SPV.0125 (02)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI
						REMARKS
0010	0+00	-	635+18	USH 2	CTH A-CTH E	12.03
					TOTAL 0010	12.03

SPECIAL(03. SEALING ASPHALTIC PAVEMENT CRACKS, USH 2, CTH D-CLEVDON RD)						
					SPV.0125 (03)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI
						REMARKS
0010	0+00	-	495+26	USH 2	CTH D-CLEVDON RD	9.38
					TOTAL 0010	9.38

SPECIAL(04. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, STH 46 - ECL)						
					SPV.0125 (04)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI
						REMARKS
0010	0+00	-	535+92	USH 8	STH 46-ECL	10.15
					TOTAL 0010	10.15

SPECIAL(05. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, STH 243-USH 8)						
					SPV.0125 (05)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI
						REMARKS
0010	0+00	-	598+75.2	STH 35	STH 243-USH 8	7.99
					TOTAL 0010	7.99

SPECIAL(06. SEALING ASPHALTIC PAVEMENT CRACKS, STH 46, SCL-GRIFFIN ST)						
					SPV.0125 (06)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI
						REMARKS
0010	0+00	-	351+12	STH 46	SCL-GRIFFIN ST	6.65
					TOTAL 0010	6.65

SPECIAL(07. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, WCL-CEDAR SWAMP RD)						
					SPV.0125 (07)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI
						REMARKS
0010	0+00	-	277+20	USH 8	WCL-CEDAR SWAMP RD	5.25
					TOTAL 0010	5.25

SPECIAL(08. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, CEDAR SWAMP RD-CTH F)						
					SPV.0125 (08)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI
						REMARKS
0010	0+00	-	60+19	USH 8	CEDAR SWAMP RD-CTH F	1.14
					TOTAL 0010	1.14

3

SPECIAL(09. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, CTH F-CHIPPEWA RIVER)

						SPV.0125 (09)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI	REMARKS
0010	0+00	-	426+62	USH 8	CTH F-CHIPPEWA RIVER	8.08	RUSK CO.
TOTAL 0010						8.08	

SPECIAL(10. SEALING ASPHALTIC PAVEMENT CRACKS, STH 70, WCL-USH 63)

						SPV.0125 (10)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI	REMARKS
0010	0+00	-	370+66	STH 70	WCL-USH 63	7.02	WASHBURN CO.
TOTAL 0010						7.02	

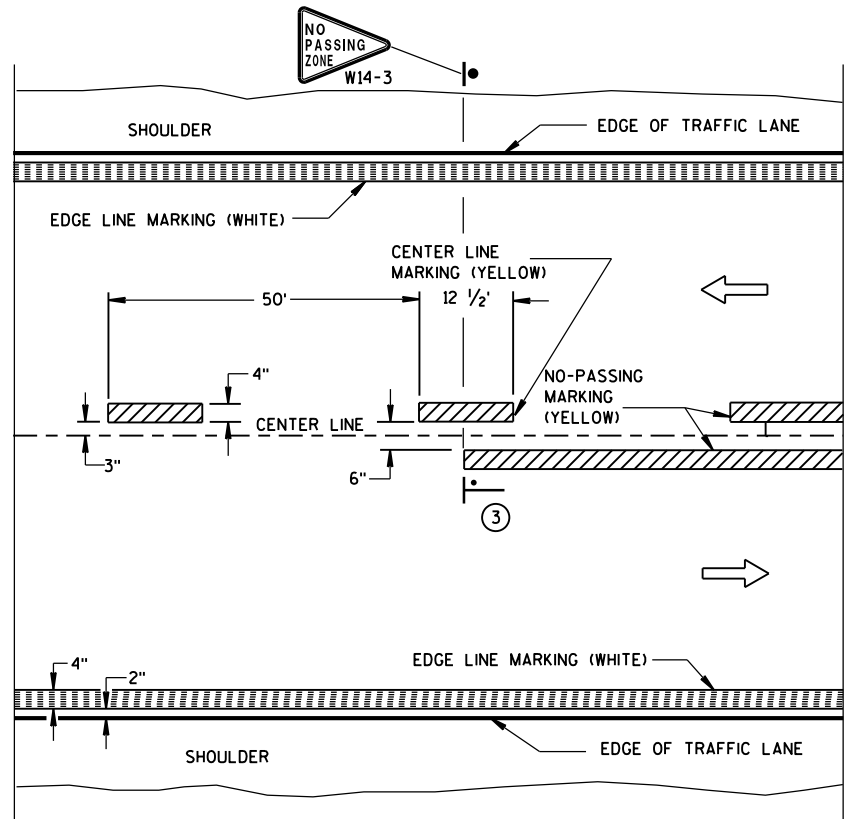
3

SPECIAL(11. SEALING ASPHALTIC PAVEMENT CRACKS, STH 77, WCL-CTH I)

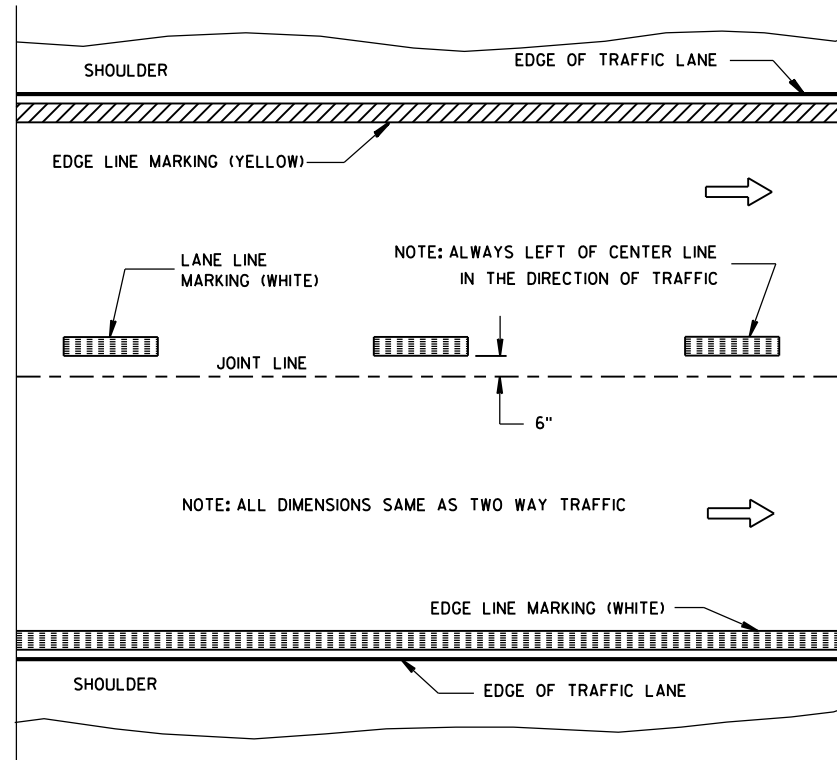
						SPV.0125 (11)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI	REMARKS
0010	0+00	-	636+24	STH 77	WCL-CTH I	12.05	WASHBURN CO.
TOTAL 0010						12.05	

Standard Detail Drawing List

15C08-16A	PAVEMENT MARKING (MAINLINE)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-02A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

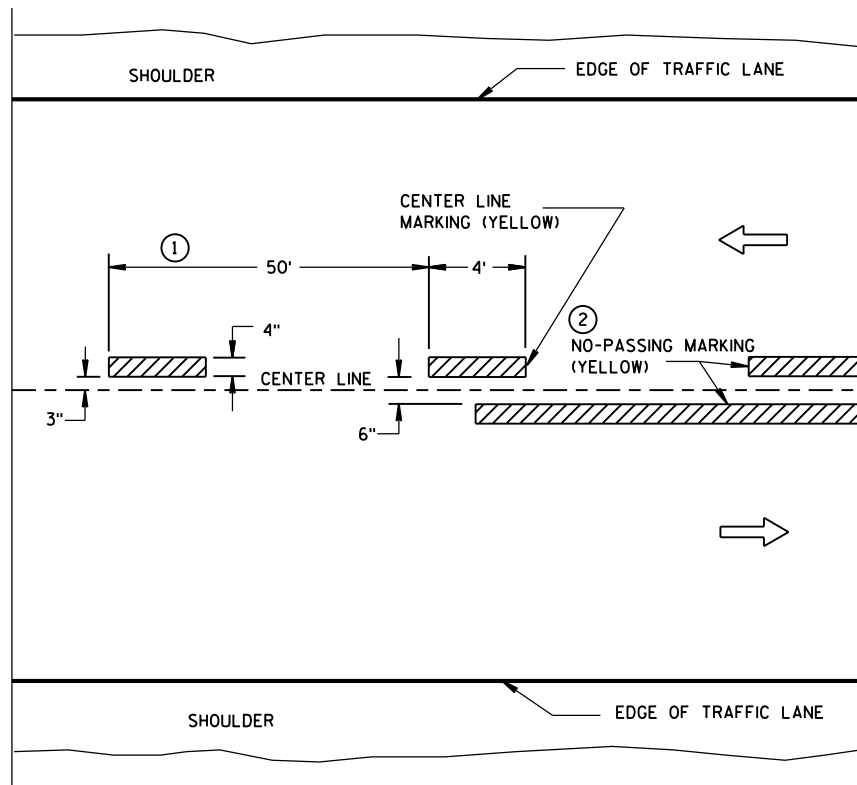


TWO WAY TRAFFIC

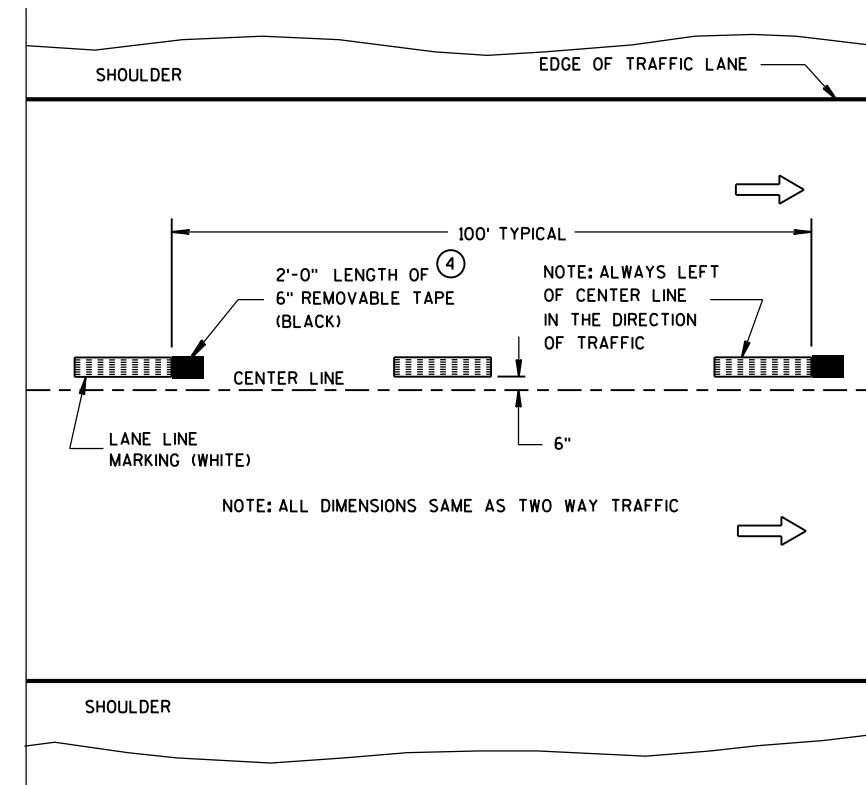


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

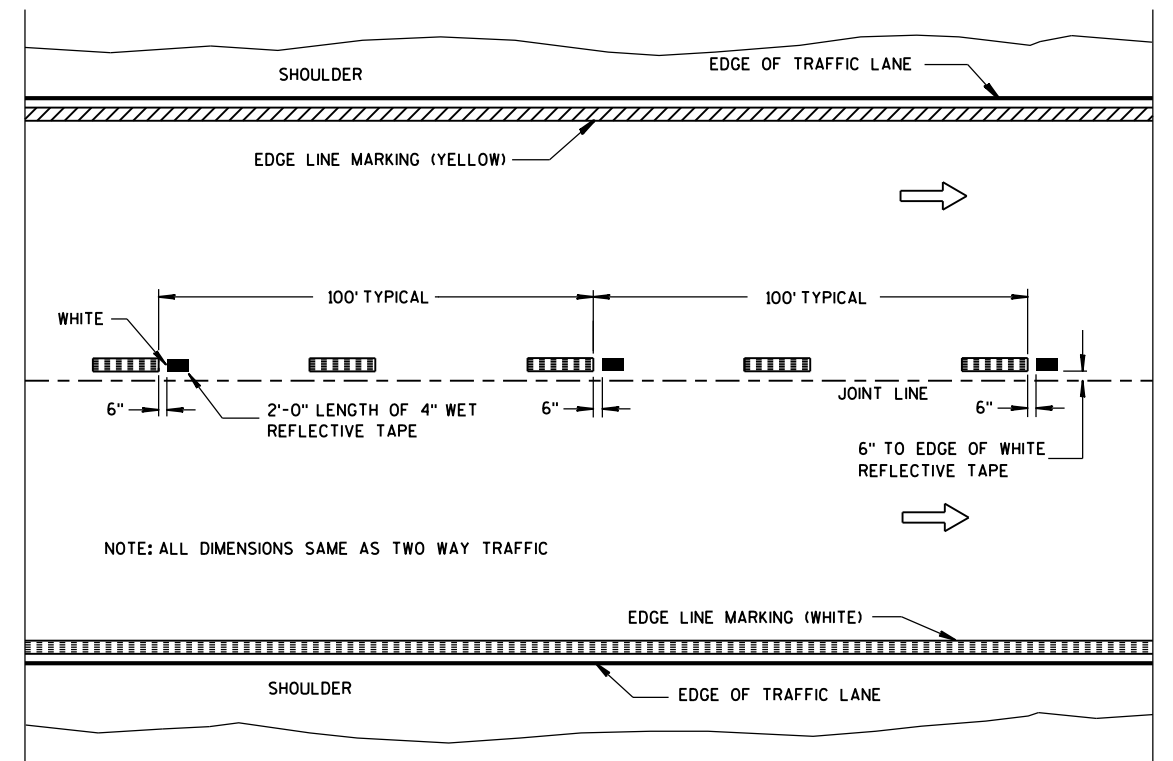
GENERAL NOTES

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 /S/ Travis Feltes  
DATE STATE TRAFFIC ENGINEER  
FHWA

LEGEND

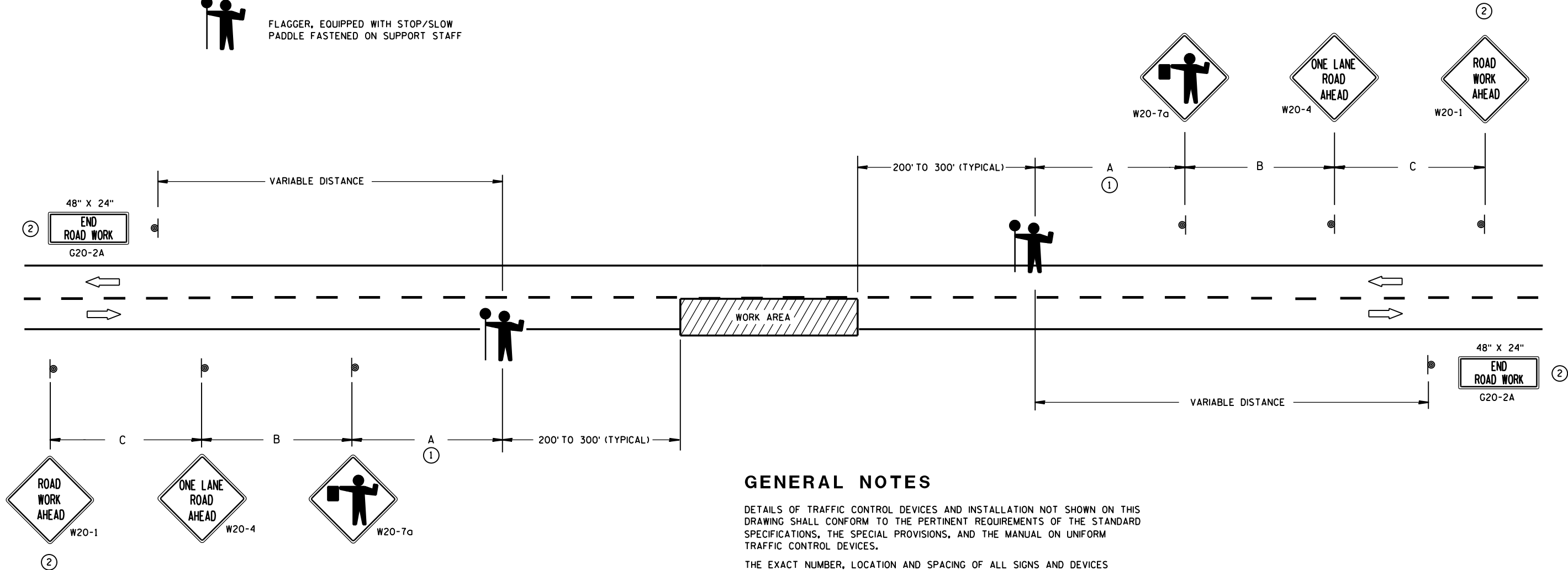
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

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.

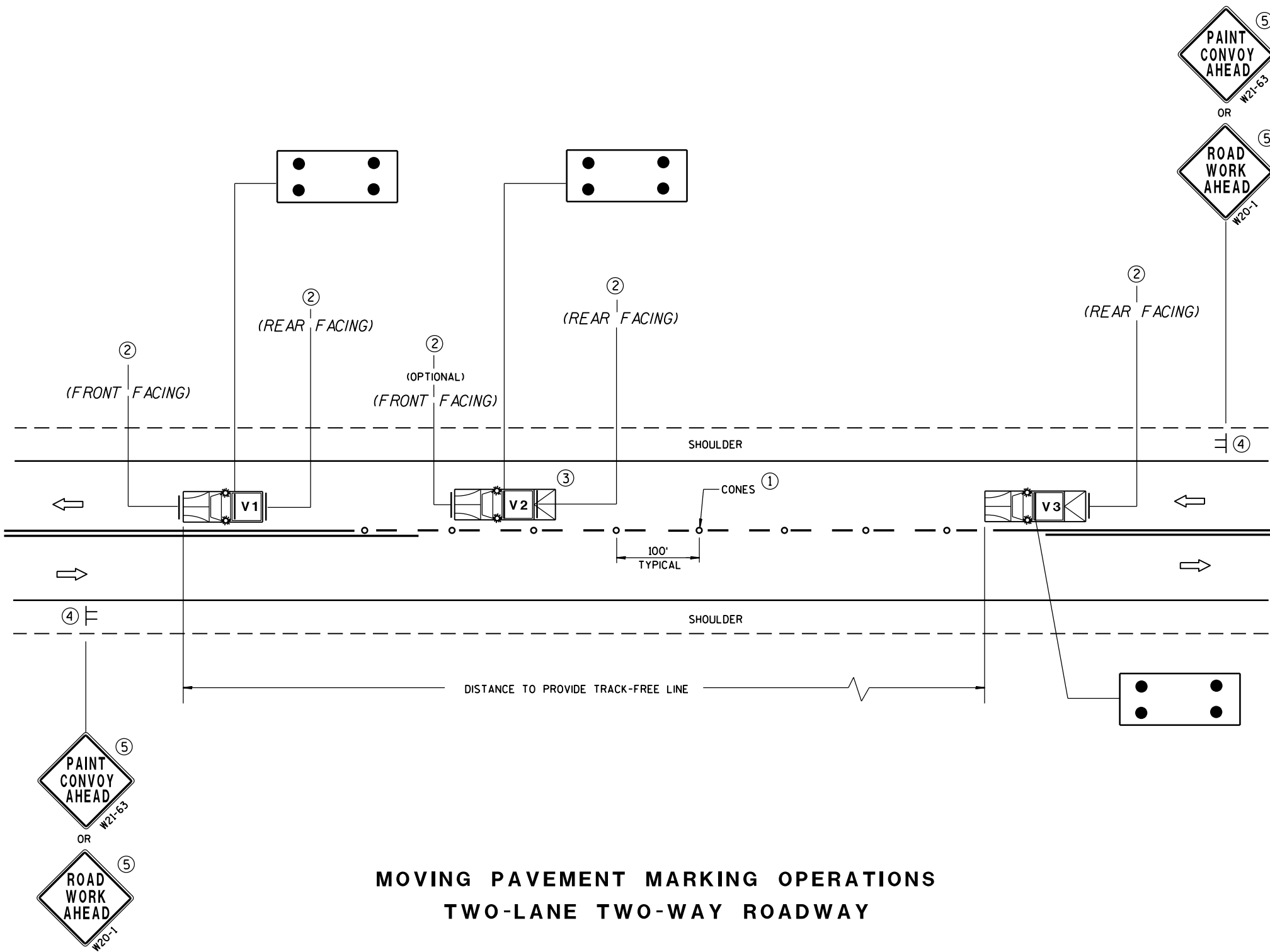
- ① FOR A MOVING WORK OPERATION, SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- ② SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

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.  
 OR   
W21-64 W21-64
- 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 /S/ Travis Feltes  
DATE STATE TRAFFIC ENGINEER  
FHWA



## ***Wisconsin Department of Transportation***

Dedicated people creating transportation solutions  
through innovation and exceptional service.

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