

SUP
PROJECT ID: 9227-01-24
WITH:

COUNTY: N.W. REGION

NOV 2015

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 = 20

36

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

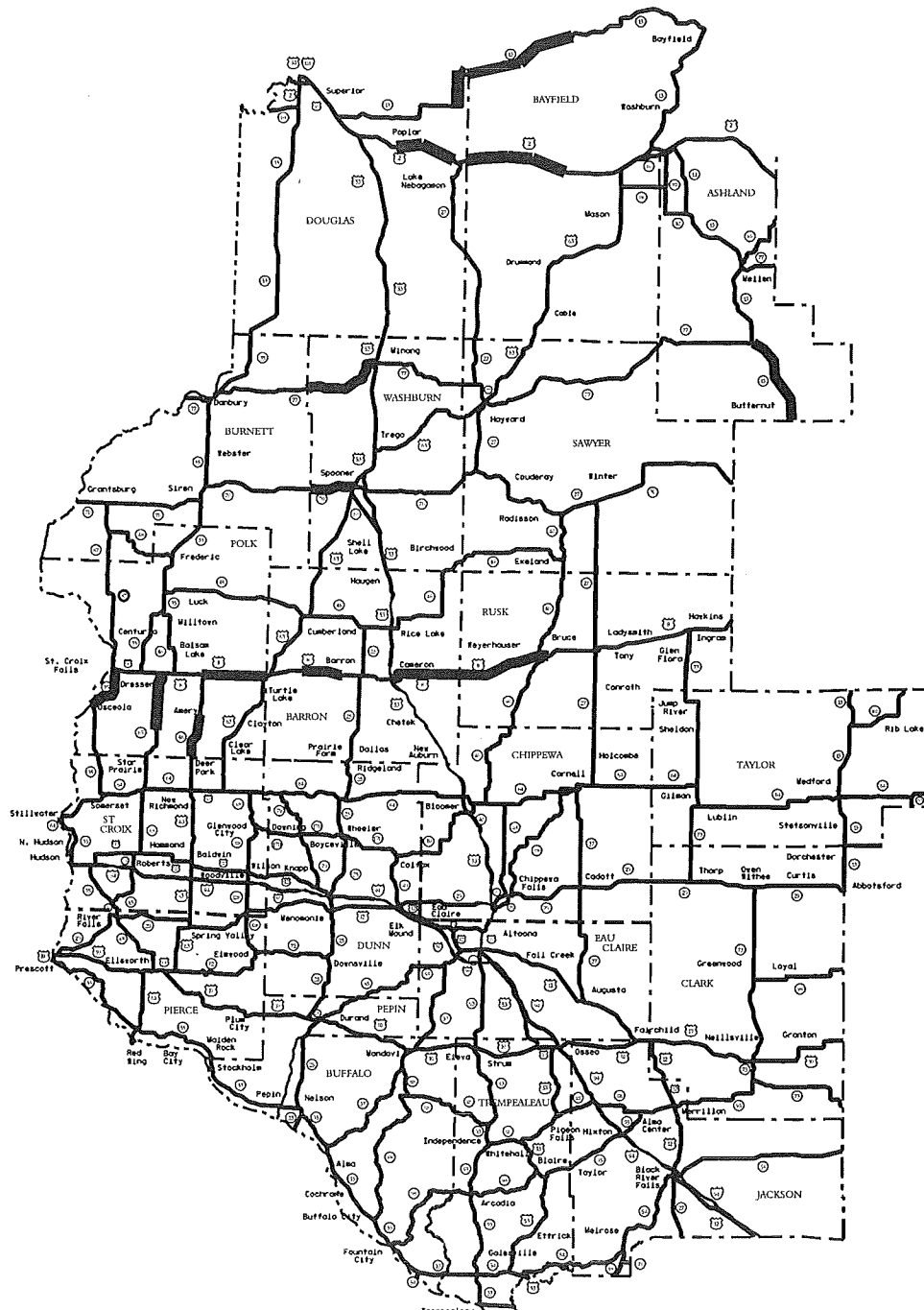
TELEPHONE

WATER

UTILITY PEDESTAL

POWER POLE

TELEPHONE POLE



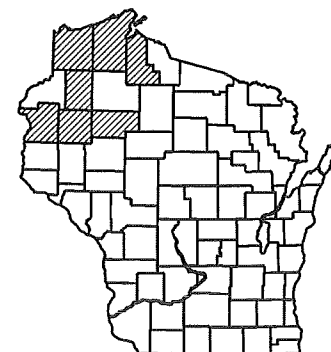
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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 DANIEL OJIBWAY
District Supervisor MARK FLOEDERER
C.O. Examiner

APPROVED FOR DISTRICT OFFICE

DATE: 2/27/15 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.

FOR BID ITEMS SPV.0125; 05, 09, 14, 15, 16, 17, 18, 19. SEALING ASPHALTIC PAVEMENT CRACKS, CONTACT CHLOE ANDERSON (715-577-4493) AND THE PROJECT ENGINEER TO DETERMINE IF THESE SEGMENTS NEED TO BE PAINTED.

STRUCTURES THAT HAVE A CONCRETE DECK SHALL NOT HAVE SEALENT 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.

UTILITIES

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

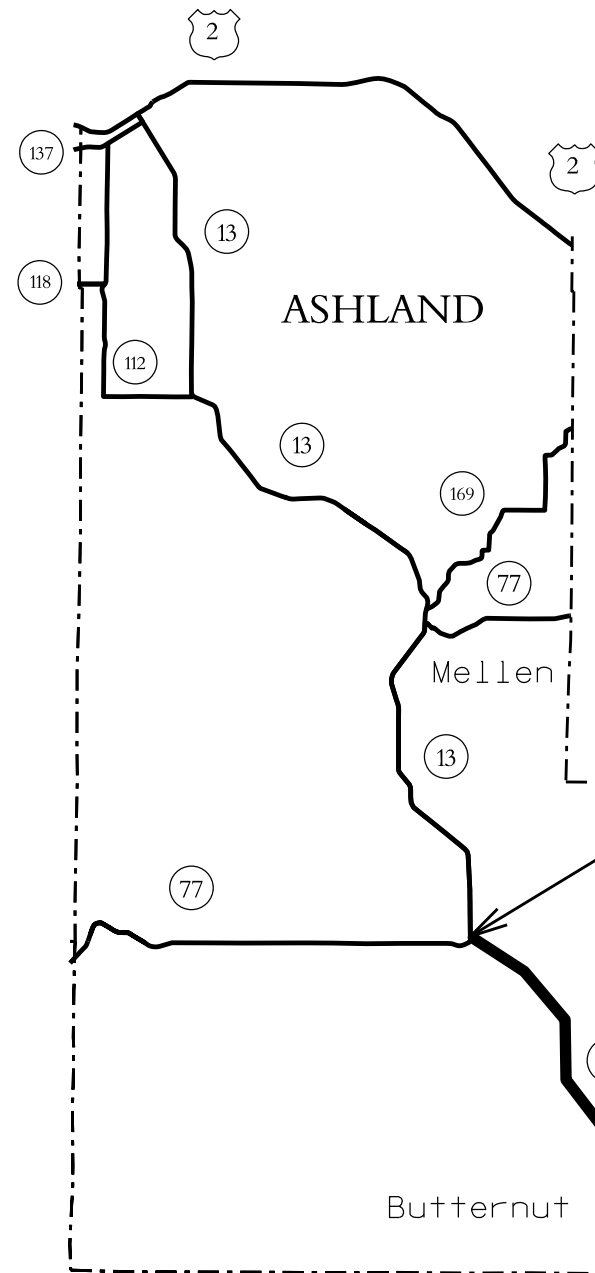
WISCONSIN DNR - LIASON

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

DIGGERSHOTLINE

Dial 811 or (800)242-8511

www.DiggersHotline.com



END
STH 13
STA 630+96

START
STH 13
STA 0+00

SCL - GLIDDEN
STH 13
SCL - CTH N



ASHLAND

2



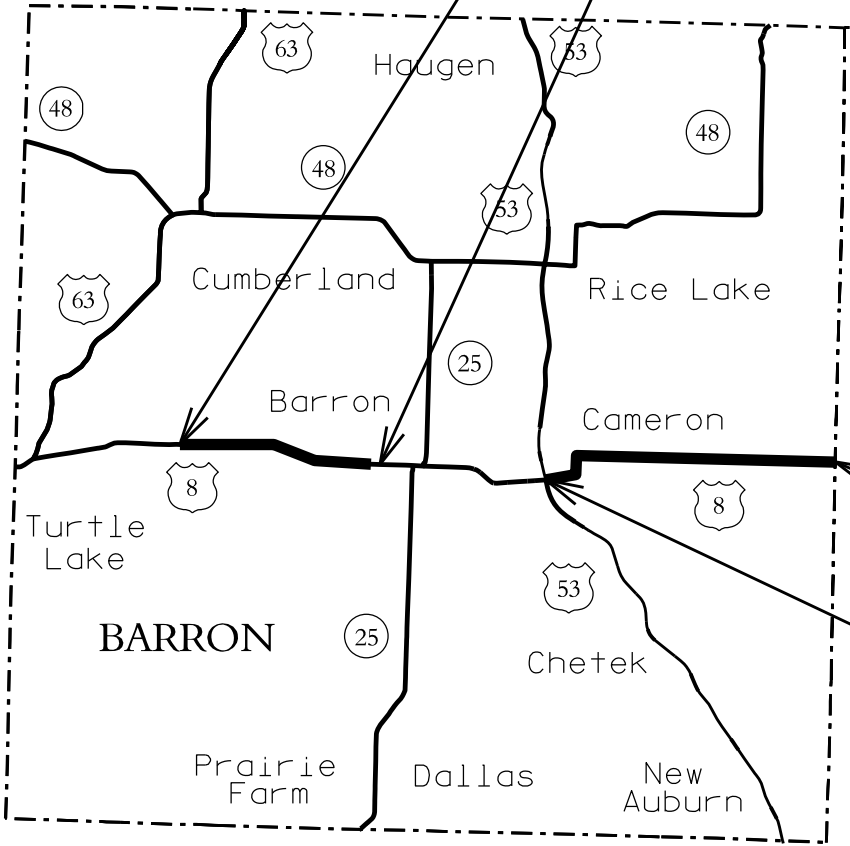
CONSTRUCTION NOTES

MILEAGE RANGES ARE APPROXIMATE.
ACTUAL FIELD CONDITIONS MAY VARY.

ALMENA - BARRON
USH 8
ALMENA - WYE STREET

START
USH 8
STA 0+00

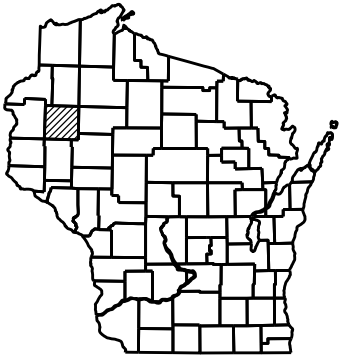
END
USH 8
STA 432+96



CAMERON - ECL
USH 8
CTH W - ECL

END
USH 8
STA 500+02

START
USH 8
STA 0+00



BARRON

3

CONSTRUCTION NOTES

MILEAGE RANGES ARE APPROXIMATE.
ACTUAL FIELD CONDITIONS MAY VARY.

HERBSTER - PORT WING
STH 13
LAKE AVE - CTH A

START
STH 13
STA 0+00

END
STH 13
STA 394+42

PORT WING - WCL
STH 13
CTH A - WCL

END
STH 13
STA 430+32

START
STH 13
STA 0+00

BRULE - IRON RIVER
USH 2
WILLIS RD - CTH A

START
USH 2
STA 0+00

END
USH 2
STA 325+78

IRON RIVER - INO
USH 2
CTH A - CTH E

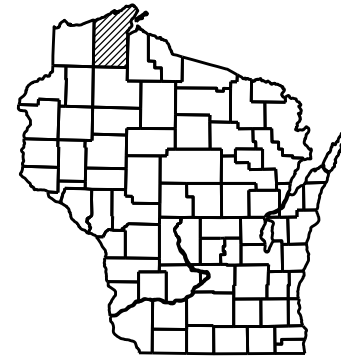
START
USH 2
STA 0+00

END
USH 2
STA 635+18

CORNUCOPIA - HERBSTER
STH 13
CTH C - LAKE AVE

START
STH 13
STA 0+00

END
STH 13
STA 420+29



BAYFIELD

4

N

CONSTRUCTION NOTES

MILEAGE RANGES ARE APPROXIMATE.
ACTUAL FIELD CONDITIONS MAY VARY.

BAYFIELD

Washburn

Mason

Drummond

Cable

ECL - BRULE
STH 13
ECL - CTH H

START
STH 13
STA 0+00
END
STH 13
STA 311+52



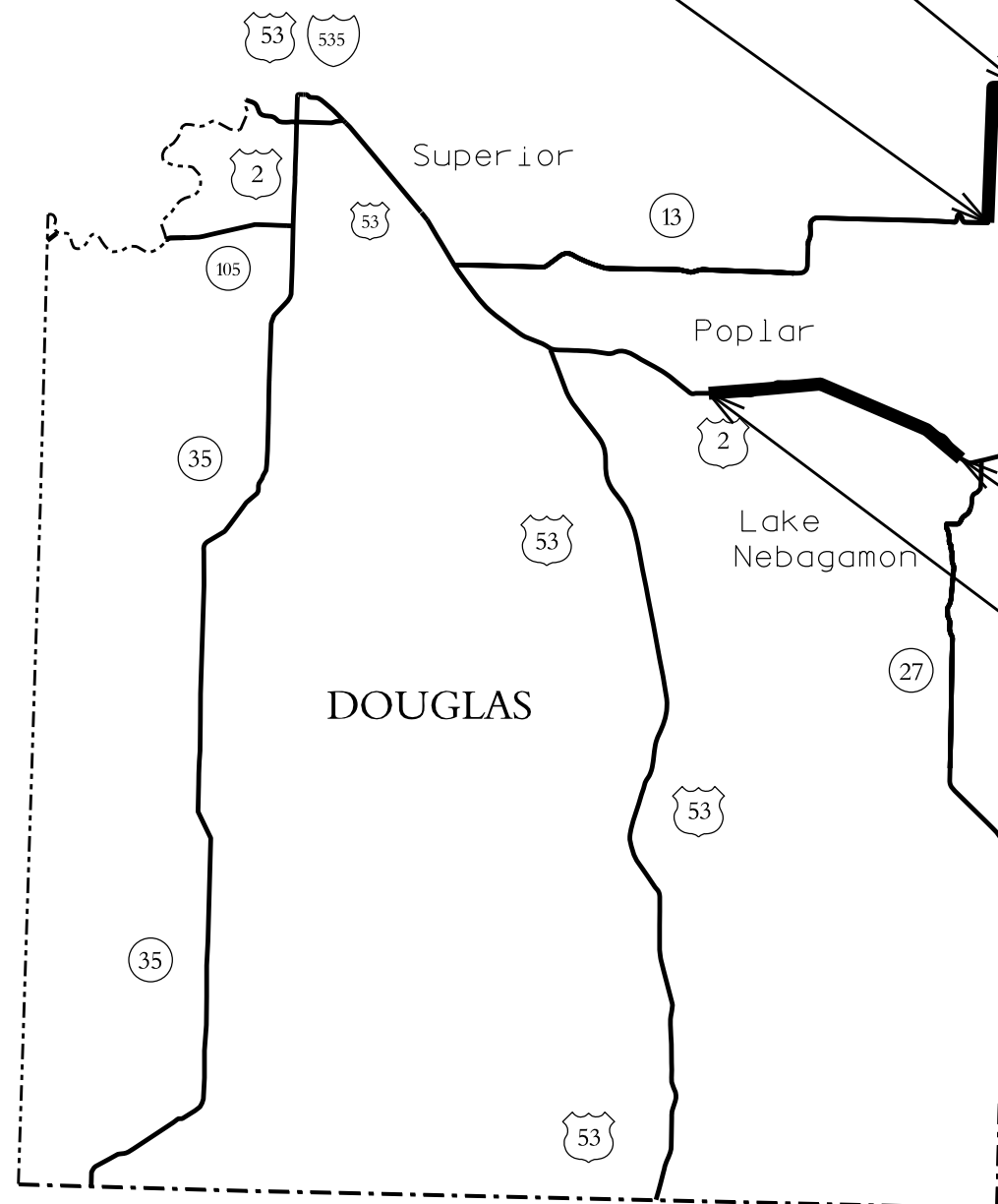
DOUGLAS

16

N

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+87

START

STH 35
STA 0+00**NEW RICHMOND - USH 8****STH 65****BEAR LK RD - USH 8**

END

STH 65
STA 104+02

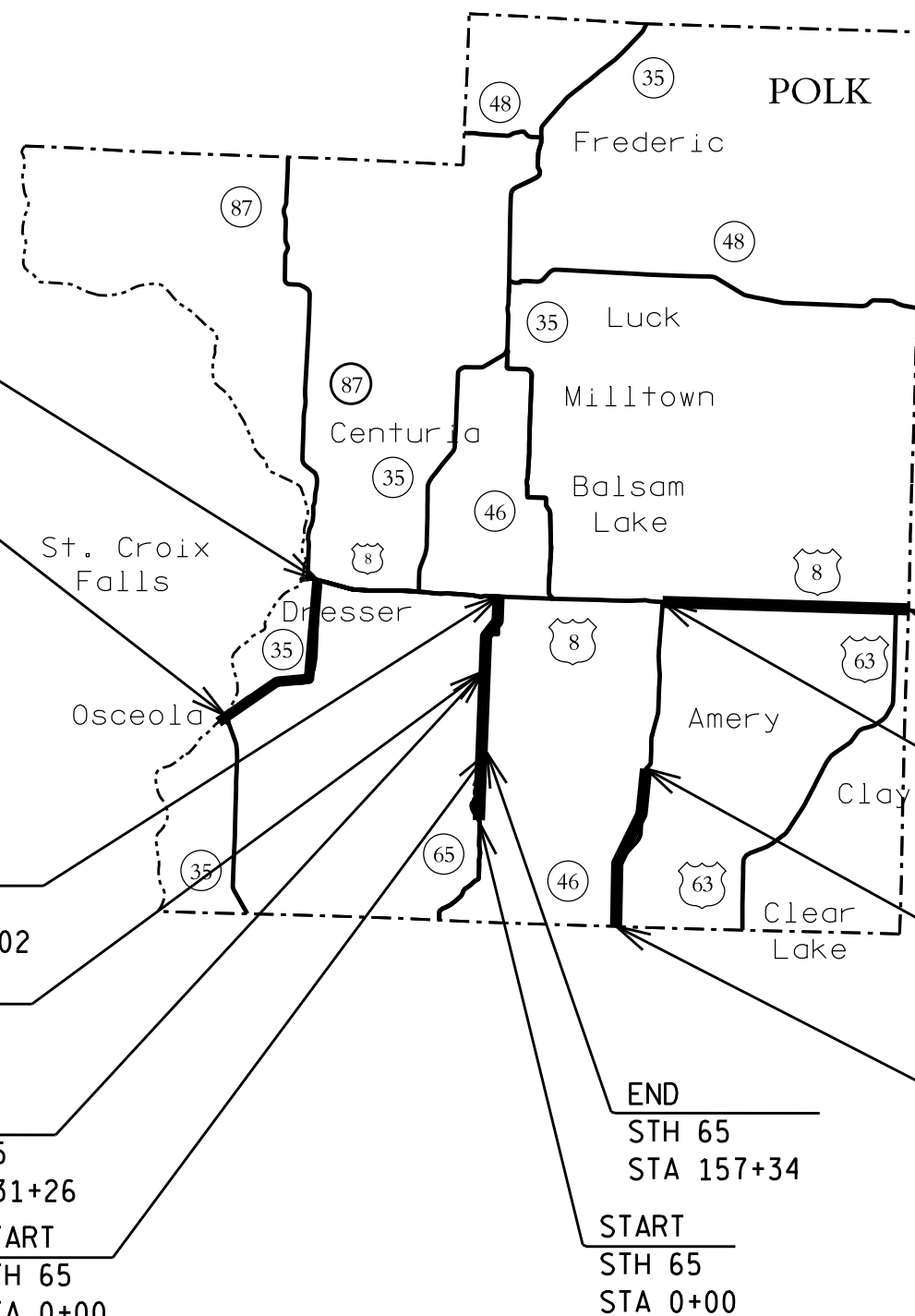
START

STH 65
STA 0+00

END

STH 65
STA 231+26

START

STH 65
STA 0+00**NEW RICHMOND - USH 8****STH 65****70TH AVE - BEAR LK RD****NEW RICHMOND - USH 8****STH 65****APPLE R - 70TH AVE**

POLK

48

N

CONSTRUCTION NOTESMILEAGE RANGES ARE APPROXIMATE.
ACTUAL FIELD CONDITIONS MAY VARY.**APPLE R - TURTLE LK****USH 8****STH 46 - ECL**

END

USH 8
STA 535+92

START

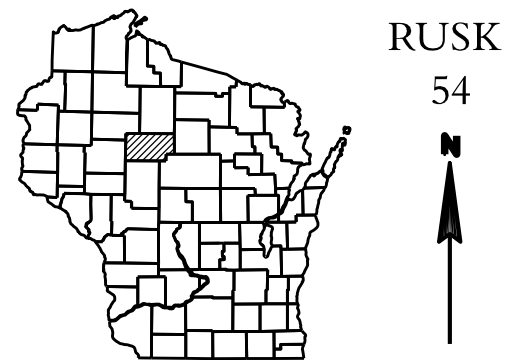
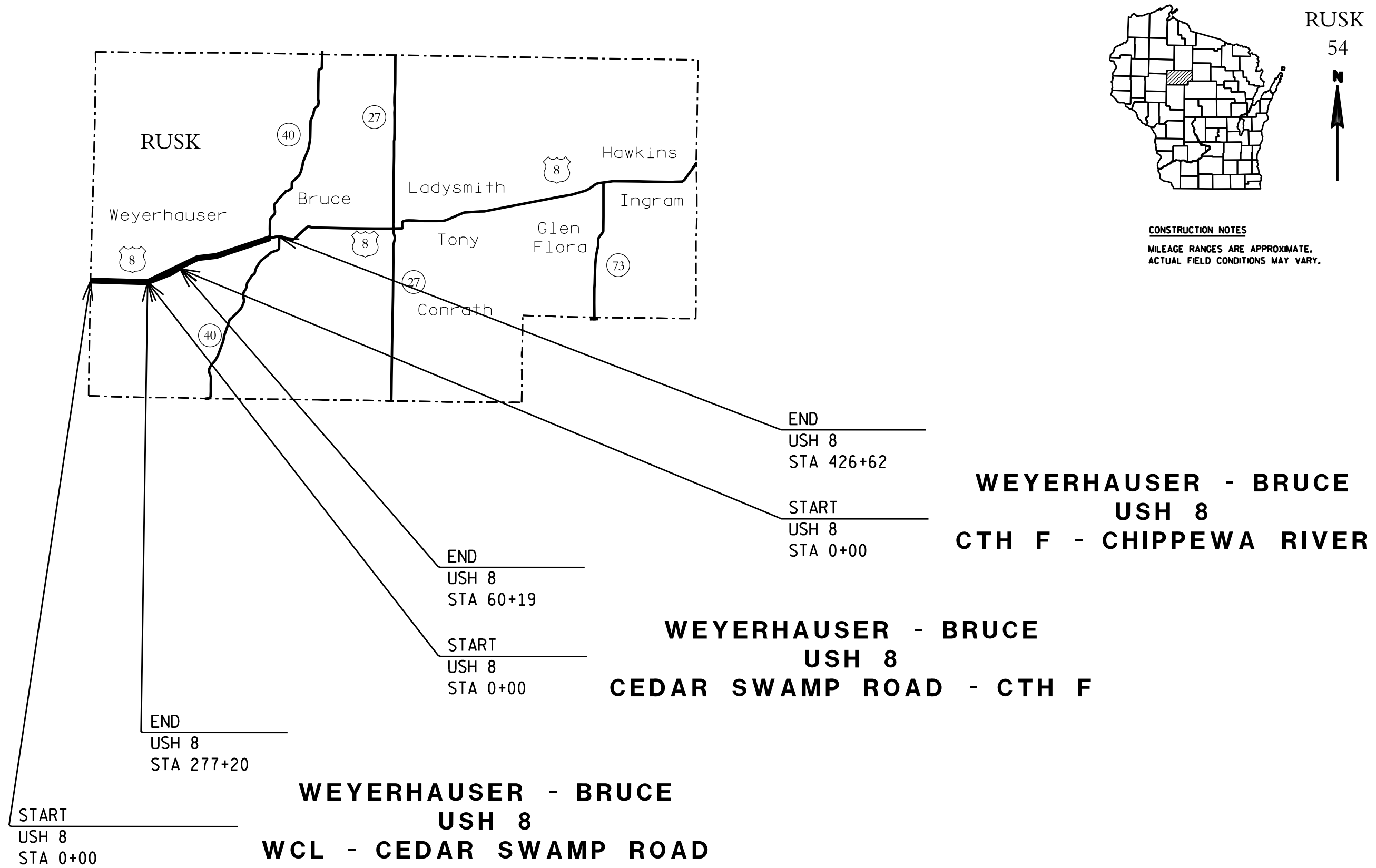
USH 8
STA 0+00

END

STH 46
STA 351+12

START

STH 46
STA 0+00**SCL - AMERY****STH 46****SCL - GRIFFIN ST**



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

WCL - MINONG
STH 77
CTH I - USH 53

END
STH 77
STA 46+46

START
STH 77
STA 0+00

END
STH 77
STA 636+24

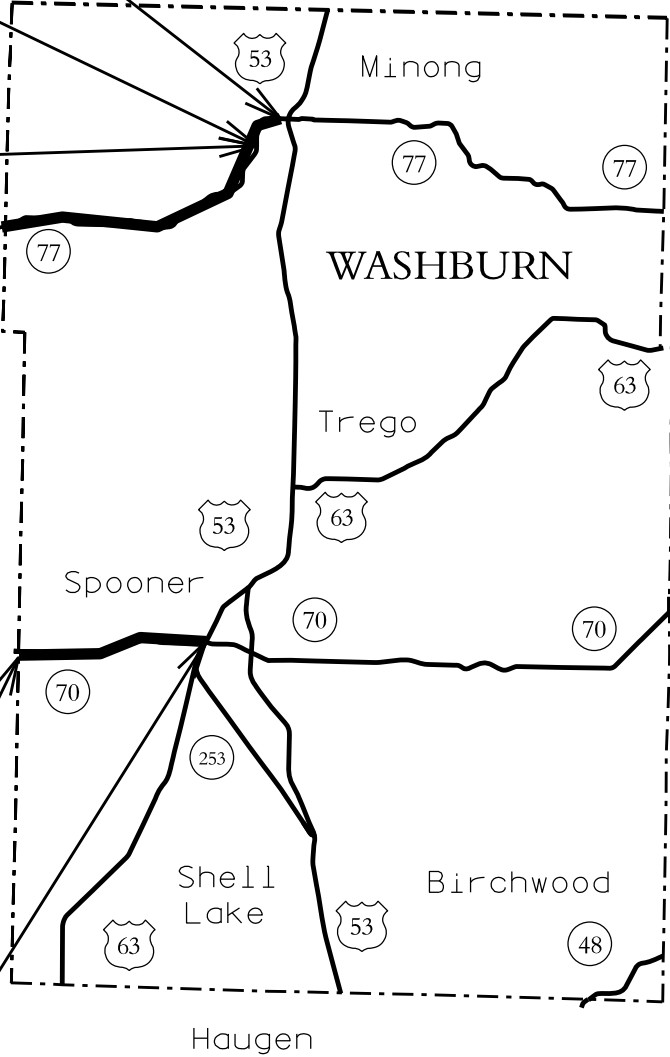
START
STH 77
STA 0+00

WCL - MINONG
STH 77
WCL - CTH I

WCL - SPOONER
STH 70
WCL - USH 63

START
STH 70
STA 0+00

END
STH 70
STA 370+66



WASHBURN

65



CONSTRUCTION NOTES

MILEAGE RANGES ARE APPROXIMATE.
ACTUAL FIELD CONDITIONS MAY VARY.

DATE 25AUG15		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	1,333,305.000	1,333,305.000
0040	646.0106	Pavement Marking Epoxy 4-Inch	LF	664,832.000	664,832.000
0050	646.0123	Pavement Marking Paint 8-Inch	LF	11,469.000	11,469.000
0060	646.0126	Pavement Marking Epoxy 8-Inch	LF	3,536.000	3,536.000
0070	649.0100	Temporary Pavement Marking 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 STH 13, SCL - CTH N	MI	11.950	11.950
0100	SPV.0125	Special 02. SEALING ASPHALTIC PAVEMENT CRACKS USH 8, ALEMENA - WYE ST.	MI	8.200	8.200
0110	SPV.0125	Special 03. SEALING ASPHALTIC PAVEMENT CRACKS USH 8, CTH W- ECL	MI	9.470	9.470
0120	SPV.0125	Special 04. SEALING ASPHALTIC PAVEMENT CRACKS USH 2, WILLIS - CTH A	MI	6.170	6.170
0130	SPV.0125	Special 05. SEALING ASPHALTIC PAVEMENT CRACKS USH 2, CTH A-CTH E	MI	12.030	12.030
0140	SPV.0125	Special 06. SEALING ASPHALTIC PAVEMENT CRACKS STH 13, CTH A - WCL	MI	8.150	8.150
0150	SPV.0125	Special 07. SEALING ASPHALTIC PAVEMENT CRACKS STH 13, LAKE AVE - CTH A	MI	7.470	7.470
0160	SPV.0125	Special 08. SEALING ASPHALTIC PAVEMENT CRACKS STH 13, CTH C - LAKE AVE	MI	7.960	7.960
0170	SPV.0125	Special 09. SEALING ASPHALTIC PAVEMENT CRACKS USH 2, CTH D - CLEV DON RD	MI	9.380	9.380
0180	SPV.0125	Special 10. SEALING ASPHALTIC PAVEMENT CRACKS STH13, ECL - CTH H	MI	5.900	5.900
0190	SPV.0125	Special 11. SEALING ASPHALTIC PAVEMENT CRACKS USH 8, STH 46 - ECL	MI	10.150	10.150
0200	SPV.0125	Special 12. SEALING ASPHALTIC PAVEMENT CRACKS STH 35, STH 243- USH 8	MI	7.990	7.990
0210	SPV.0125	Special 13. SEALING ASPHALTIC PAVEMENT CRACKS STH 46, SCL - GRFFIN ST	MI	6.650	6.650
0220	SPV.0125	Special 14. SEALING ASPHALTIC PAVEMENT CRACKS STH 65, APPLE R. - 70TH AVE	MI	2.980	2.980
0230	SPV.0125	Special 15. SEALING ASPHALTIC PAVEMENT CRACKS STH 65, 70TH AVE - BEAR LK RD	MI	4.380	4.380
0240	SPV.0125	Special 16. SEALING ASPHALTIC PAVEMENT CRACKS STH 65, BEAR LK RD - USH 8	MI	1.970	1.970
0250	SPV.0125	Special 17. SEALING ASPHALTIC PAVEMENT CRACKS USH 8, WCL - CEDAR SWAMP RD	MI	5.250	5.250
0260	SPV.0125	Special 18. SEALING ASPHALTIC PAVEMENT CRACKS USH 8, CEDAR SWAMP RD - CTH F	MI	1.140	1.140
0270	SPV.0125	Special 19. SEALING ASPHALTIC PAVEMENT CRACKS USH 8, CTH F - CHIPPEWA RIVER	MI	8.080	8.080
0280	SPV.0125	Special 20. SEALING ASPHALTIC PAVEMENT CRACKS STH 70, WCL - USH 63	MI	7.020	7.020
0290	SPV.0125	Special 21. SEALING ASPHALTIC PAVEMENT CRACKS STH 77, WCL - CTH I	MI	12.050	12.050
0300	SPV.0125	Special 22. SEALING ASPHALTIC PAVEMENT CRACKS STH 77, CTH I - USH 53	MI	0.880	0.880

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	
0010	ASHLAND	STH13	SCL-GLIDDEN	SCL-CTH N	
0010	BARRON	USH 8	ALMENA-BARRON	ALMENA-WYE ST	
0010	BARRON	USH 8	CAMERON-ECL	CTH W(SIGNALS)-ECL	
0010	BAYFIELD	USH 2	BRULE-IRON RIVER	WILLIS RD-CTH A	
0010	BAYFIELD	USH 2	IRON RIVER-INO	CTH A-CTH E	
0010	BAYFIELD	STH 13	PORT WING-WCL	CTH C-WCL	
0010	BAYFIELD	STH 13	HERBSTER-PORT WING	LAKE AVE-CTH A	
0010	BAYFIELD	STH 13	CORNUCOPIA-HERBSTER	CTH C-LAKE AVE	
0010	DOUGLAS	USH 2	POPLAR-BRULE	CTH D-CLEVDON RD	
0010	DOUGLAS	STH 13	ECL-BRULE	ECL-CTH H	
0010	POLK	USH 8	APPLE R.-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	POLK	STH 65	NEW RICHMOND-USH 8	APPLE R. -70TH AVE	
0010	POLK	STH 65	NEW RICHMOND-USH 8	70TH AVE-BEAR LK RD	
0010	POLK	STH 65	NEW RICHMOND-USH 8	BEAR LK RD-USH 8	
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 R.	
0010	WASHBURN	STH 70	WCL-SPOONER	WCL-USH 63	
0010	WASHBURN	STH 77	WCL-MINONG	WCL- CTH I	
0010	WASHBURN	STH 77	WCL-MINONG	CTH I-USH 53	
				SUB-TOTAL	
				YELLOW	
				WHITE	
				TOTAL 0010	

TEMPORARY PAVEMENT MARKING 4-INCH					
CAT	COUNTY	ROUTE	ROADWAY	649.0100 LF	REMARKS
0010	VARIES	VARIES	UNDISTRIBUTED	69,750	YELLOW CENTERLINE AS DIRECTED BY THE PROJECT ENGINEER
				TOTAL 0010	

TEMPORARY RAISED PAVEMENT MARKERS					
CAT	COUNTY	ROUTE	ROADWAY	LIMITS	649.21 EACH
0010					
				SUB-TOTAL	
				TOTAL 0010	

PAVEMENT MARKING EPOXY 4-INCH					
CAT	COUNTY	ROUTE	ROADWAY	LIMITS	
0010	ASHLAND	STH13	SCL-GLIDDEN	SCL-CTH N	
0010	BARRON	USH 8	ALMENA-BARRON	ALMENA-WYE ST	
0010	BARRON	USH 8	CAMERON-ECL	CTH W(SIGNALS)-ECL	
0010	BAYFIELD	USH 2	BRULE-IRON RIVER	WILLIS RD-CTH A	
0010	BAYFIELD	USH 2	IRON RIVER-INO	CTH A-CTH E	
0010	BAYFIELD	STH 13	PORT WING-WCL	CTH C-WCL	
0010	BAYFIELD	STH 13	HERBSTER-PORT WING	LAKE AVE-CTH A	
0010	BAYFIELD	STH 13	CORNUCOPIA-HERBSTER	CTH C-LAKE AVE	
0010	DOUGLAS	USH 2	POPLAR-BRULE	CTH D-CLEVDON RD	
0010	DOUGLAS	STH 13	ECL-BRULE	ECL-CTH H	
0010	POLK	USH 8	APPLE R.-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	POLK	STH 65	NEW RICHMOND-USH 8	APPLE R. -70TH AVE	
0010	POLK	STH 65	NEW RICHMOND-USH 8	70TH AVE-BEAR LK RD	
0010	POLK	STH 65	NEW RICHMOND-USH 8	BEAR LK RD-USH 8	
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 R.	
0010	WASHBURN	STH 70	WCL-SPOONER	WCL-USH 63	
0010	WASHBURN	STH 77	WCL-MINONG	WCL- CTH I	
0010	WASHBURN	STH 77	WCL-MINONG	CTH I-USH 53	
				SUB-TOTAL	
				YELLOW	
				WHITE	
				TOTAL 0010	

PAVEMENT MARKING PAINT 8-INCH

PAVEMENT MARKING EPOXY 8-INCH

3

646.0123							
CAT	COUNTY	ROUTE	ROADWAY	LIMITS	LF	REMARKS	
0010	ASHLAND	STH13	SCL-GLIDDEN	SCL-CTH N	---		
0010	BARRON	USH 8	ALMENA-BARRON	ALMENA-WYE ST	---		
0010	BARRON	USH 8	CAMERON-ECL	CTH W(SIGNALS)-ECL	1,257		
0010	BAYFIELD	USH 2	BRULE-IRON RIVER	WILLIS RD-CTH A	---		
0010	BAYFIELD	USH 2	IRON RIVER-INO	CTH A-CTH E	---		
0010	BAYFIELD	STH 13	PORT WING-WCL	CTH C-WCL	---		
0010	BAYFIELD	STH 13	HERBSTER-PORT WING	LAKE AVE-CTH A	---		
0010	BAYFIELD	STH 13	CORNUCOPIA-HERBSTER	CTH C-LAKE AVE	---		
0010	DOUGLAS	USH 2	POPLAR-BRULE	CTH D-CLEVDON RD	---		
0010	DOUGLAS	STH 13	ECL-BRULE	ECL-CTH H	---		
0010	POLK	USH 8	APPLE R.-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	POLK	STH 65	NEW RICHMOND-USH 8	APPLE R. -70TH AVE	---		
0010	POLK	STH 65	NEW RICHMOND-USH 8	70TH AVE-BEAR LK RD	---		
0010	POLK	STH 65	NEW RICHMOND-USH 8	BEAR LK RD-USH 8	---		
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 R.	334		
0010	WASHBURN	STH 70	WCL-SPOONER	WCL-USH 63	135		
0010	WASHBURN	STH 77	WCL-MINONG	WCL- CTH I	500		
0010	WASHBURN	STH 77	WCL-MINONG	CTH I-USH 53	374		
SUB-TOTAL					11,469		
					WHITE		
						TOTAL 0010	11,469

646.0126							
CAT	COUNTY	ROUTE	ROADWAY	LIMITS	LF	REMARKS	
0010	ASHLAND	STH13	SCL-GLIDDEN	SCL-CTH N	---		
0010	BARRON	USH 8	ALMENA-BARRON	ALMENA-WYE ST	2,076		
0010	BARRON	USH 8	CAMERON-ECL	CTH W(SIGNALS)-ECL	---		
0010	BAYFIELD	USH 2	BRULE-IRON RIVER	WILLIS RD-CTH A	1,393		
0010	BAYFIELD	USH 2	IRON RIVER-INO	CTH A-CTH E	---		
0010	BAYFIELD	STH 13	PORT WING-WCL	CTH C-WCL	---		
0010	BAYFIELD	STH 13	HERBSTER-PORT WING	LAKE AVE-CTH A	---		
0010	BAYFIELD	STH 13	CORNUCOPIA-HERBSTER	CTH C-LAKE AVE	---		
0010	DOUGLAS	USH 2	POPLAR-BRULE	CTH D-CLEVDON RD	---		
0010	DOUGLAS	STH 13	ECL-BRULE	ECL-CTH H	67		
0010	POLK	USH 8	APPLE R.-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	POLK	STH 65	NEW RICHMOND-USH 8	APPLE R. -70TH AVE	---		
0010	POLK	STH 65	NEW RICHMOND-USH 8	70TH AVE-BEAR LK RD	---		
0010	POLK	STH 65	NEW RICHMOND-USH 8	BEAR LK RD-USH 8	---		
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 R.	---		
0010	WASHBURN	STH 70	WCL-SPOONER	WCL-USH 63	---		
0010	WASHBURN	STH 77	WCL-MINONG	WCL- CTH I	---		
0010	WASHBURN	STH 77	WCL-MINONG	CTH I-USH 53	---		
SUB-TOTAL					3,536		
					WHITE		
						TOTAL 0010	3,536

3

POSSIBLE PAVEMENT MARKING EPOXY

					646.0106	646.0126	646.0106	REMARKS*
					4-INCH	8-INCH	4-INCH	
					WHITE	WHITE	YELLOW	
CAT	COUNTY	ROUTE	ROADWAY	LIMITS	LF	LF	LF	
0010	BAYFIELD	USH 2	BRULE-IRON RIVER	WILLIS RD-CTH A	126,425	1,318	---	DO NOT AUTOMATICALLY PAINT EDGELINE
0010	BAYFIELD	STH 13	CORNUCOPIA-HERBSTER	CTH C-LAKE AVE	96,436	5,282	75,725	DO NOT AUTOMATICALLY PAINT YELLOW CL
0010	POLK	STH 46	SCL-AMERY	SCL-GRIFFIN ST	31,071	430	---	DO NOT AUTOMATICALLY PAINT EDGELINE
0010	POLK	STH 65	NEW RICHMOND-USH 8	APPLE R. -70TH AVE	46,805	---	---	DO NOT AUTOMATICALLY PAINT EDGELINE
0010	POLK	STH 65	NEW RICHMOND-USH 8	70TH AVE-BEAR LK RD	20,290	---	---	DO NOT AUTOMATICALLY PAINT EDGELINE
0010	POLK	STH 65	NEW RICHMOND-USH 8	BEAR LK RD-USH 8	54,805	---	---	DO NOT AUTOMATICALLY PAINT EDGELINE
0010	RUSK	USH 8	WEYERHAUSER-BRUCE	WCL-CEDAR SWAMP RD	11,820	11,820	---	DO NOT AUTOMATICALLY PAINT EDGELINE
0010	RUSK	USH 8	WEYERHAUSER-BRUCE	CEDAR SWAMP RD-CTH F	72,672	417	---	DO NOT AUTOMATICALLY PAINT EDGELINE
SUB-TOTAL					460,324	19,267	75,725	
					WHITE	WHITE	YELLOW	
								TOTAL 0010
								536,049

*NOTE:
FOR SECIALS(05, 09, 14, 15, 16, 17, 18, 19. SEALING ASPHALTIC PAVEMENT CRACKS) CONTACT
CHLOE ANDERSON (715-577-4493) AND THE PROJECT ENGINEER TO DETERMINE IF THESE SEGMENTS NEED TO BE PAINTED.

3

SPECIAL(01. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, SCL-CTH N)

						SPV.0125(01)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI	REMARKS
0010	0+00	-	630+96	STH 13	SCL-CTH N	11.95	ASHLAND CO.
TOTAL 0010						11.95	

SPECIAL(03. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, CTH W-ECL)

						SPV.0125 (3)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI	REMARKS
0010	0+00	-	500+02	USH 8	CTH W-ECL	9.47	BARRON CO.
					TOTAL 0010	<u>9.47</u>	

SPECIAL(05. SEALING ASPHALTIC PAVEMENT CRACKS, USH 2, CTH A-CTH E)

						SPV.0125 (5)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI	REMARKS
0010	0+00	-	635+18	USH 2	CTH A-CTH E	12.03	BAYFIELD CO.
TOTAL 0010						12.03	

SPECIAL(07. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, LAKE AVE-CTH A)

						SPV.0125 (7)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI	REMARKS
0010	0+00	-	394+42	STH 13	LAKE AVE-CTH A	7.47	BAYFIELD CO.
TOTAL 0010						<u>7.47</u>	

SPECIAL(02. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, ALMENA-WYE ST.)

CAT	STATION TO	STATION	ROUTE	LIMITS	SPV.0125 (2) MI	REMARKS
0010	0+00 -	432+96	USH 8	ALMENA - WYE ST.	8.20	BARRON CO.
TOTAL 0010					8.20	

SPECIAL(04. SEALING ASPHALTIC PAVEMENT CRACKS, USH 2, WILLIS RD-CTH A)

CAT	STATION TO	STATION	ROUTE	LIMITS	SPV.0125 (4) MI	REMARKS
0010	0+00 -	325+78	USH 2	WILLIS RD-CTH A	6.17	BAYFIELD CO.
				TOTAL 0010	<u>6.17</u>	

SPECIAL(06. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, CTH C-LAKE AVE)

						SPV.0125 (6)	
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI	REMARKS
0010	0+00	-	420+29	STH 13	CTH C-LAKE AVE	7.96	BAYFIELD CO.
TOTAL 0010						7.96	

SPECIAL(08. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, CTH A-WCL)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (8) MI	REMARKS
0010	0+00	-	430+32	STH 13	CTH A-WCL	8.15	BAYFIELD CO.
					TOTAL 0010	8.15	

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SPECIAL(09. SEALING ASPHALTIC PAVEMENT CRACKS, USH 2, CTH D-CLEVDON RD)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (9) MI	REMARKS
0010	0+00	-	495+26	USH 2	CTH D-CLEVDON RD	9.38	DOUGLAS CO.
TOTAL 0010						9.38	

SPECIAL(11. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, STH 46-ECL)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (11) MI	REMARKS
0010	0+00	-	535+92	USH 8	STH 46-ECL	10.15	POLK CO.
					TOTAL 0010	10.15	

SPECIAL(13. SEALING ASPHALTIC PAVEMENT CRACKS, STH 46, SCL-GRIFFIN ST)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (13) MI	REMARKS
0010	0+00	-	351+12	STH 46	SCL-GRIFFIN ST	6.65	POLK CO.
TOTAL 0010						6.65	

SPECIAL(15. SEALING ASPHALTIC PAVEMENT CRACKS, STH 65, 70TH AVE-BEAR LK RD)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (15) MI	REMARKS
0010	0+00	-	231+26	STH 65	70TH AVE-BEAR LK RD	4.38	POLK CO.
					TOTAL 0010	4.38	

SPECIAL(10. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, ECL-CTH H)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (10) MI	REMARKS
0010	0+00	-	311+52	STH 13	ECL-CTH H	5.90	DOUGLAS CO.
TOTAL 0010						5.90	

SPECIAL(12. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, STH 243-USH 8)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (12) MI	REMARKS
0010	0+00	-	421+87	STH 35	STH 243-USH 8	7.99	POLK CO.
					TOTAL 0010	7.99	

SPECIAL(14. SEALING ASPHALTIC PAVEMENT CRACKS, STH 65, APPLE R.-70TH AVE)						
CAT	STATION TO	STATION	ROUTE	LIMITS	SPV.0125 (14) MI	REMARKS
0010	0+00 -	157+34	STH 65	APPLE R.-70TH AVE	2.98	POLK CO.
TOTAL 0010					2.98	

SPECIAL(16. SEALING ASPHALTIC PAVEMENT CRACKS, STH 65, BEAR LAKE RD-USH 8)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (16) MI	REMARKS
0010	0+00	-	104+02	STH 65	BEAR LK RD-USH 8	1.97	POLK CO.
TOTAL 0010						1.97	

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SPECIAL(17. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, WCL-CEDAR SWAMP RD)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (17) MI	REMARKS
0010	0+00	-	277+20	USH 8	WCL-CEDAR SWAMP RD	5.25	RUSK CO.
TOTAL 0010						5.25	

SPECIAL(19. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, CTH F-CHIPPEWA RIVER)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (19) MI	REMARKS
0010	0+00	-	426+62	USH 8	CTH F-CHIPPEWA RIVER	8.08	RUSK CO.
TOTAL 0010						8.08	

SPECIAL(21. SEALING ASPHALTIC PAVEMENT CRACKS, STH 77, WCL-CTH I)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (21) MI	REMARKS
0010	0+00	-	636+24	STH 77	WCL-CTH I	12.05	WASHBURN CO.
TOTAL 0010						12.05	

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SPECIAL(18. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, CEDAR SWAMP RD-CTH F)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (18) MI	REMARKS
0010	0+00	-	60+19	USH 8	CEDAR SWAMP RD-CTH F	1.14	RUSK CO.
TOTAL 0010						1.14	

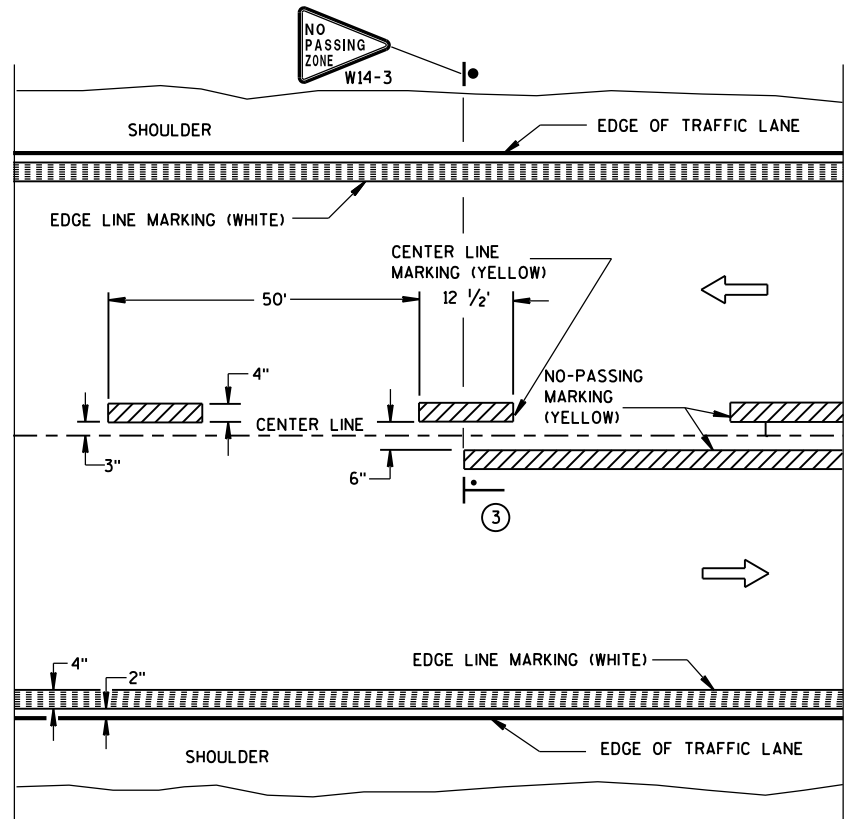
SPECIAL(20. SEALING ASPHALTIC PAVEMENT CRACKS, STH 70, WCL-USH 63)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (20) MI	REMARKS
0010	0+00	-	370+66	STH 70	WCL-USH 63	7.02	WASHBURN CO.
TOTAL 0010						7.02	

SPECIAL(22. SEALING ASPHALTIC PAVEMENT CRACKS, STH 77, CTH I-USH 53)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (22) MI	REMARKS
0010	0+00	-	46+46	STH 77	CTH I-USH 53	0.88	WASHBURN CO.
TOTAL 0010						0.88	

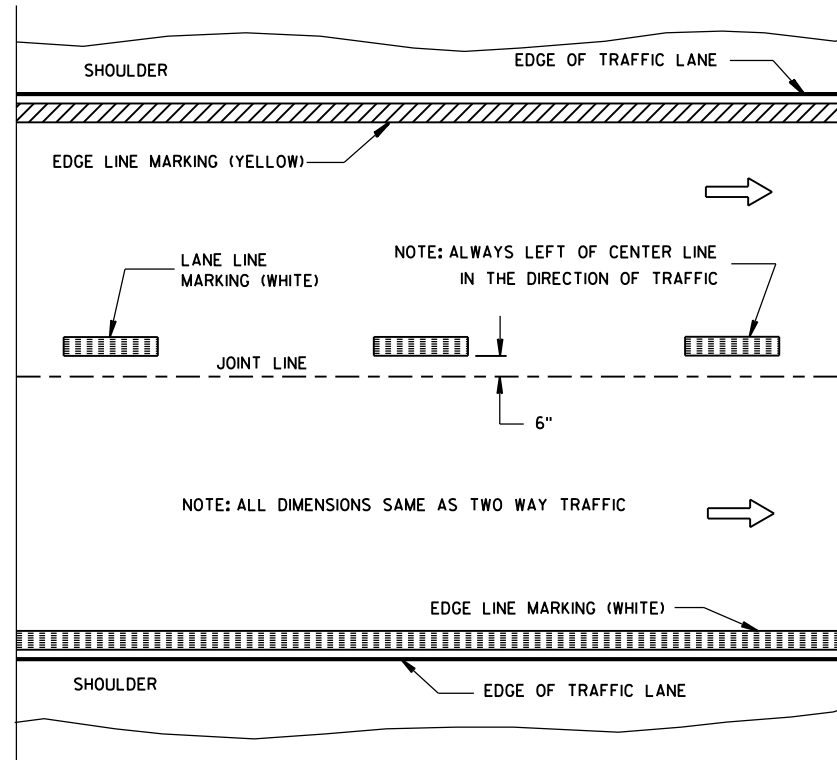
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Standard Detail Drawing List

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

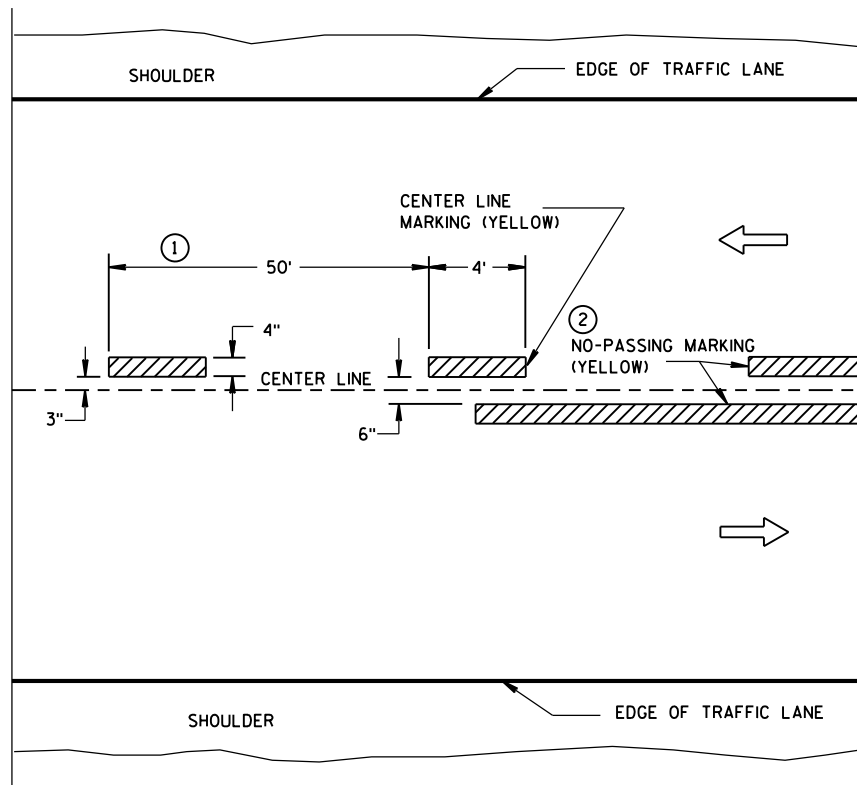


TWO WAY TRAFFIC

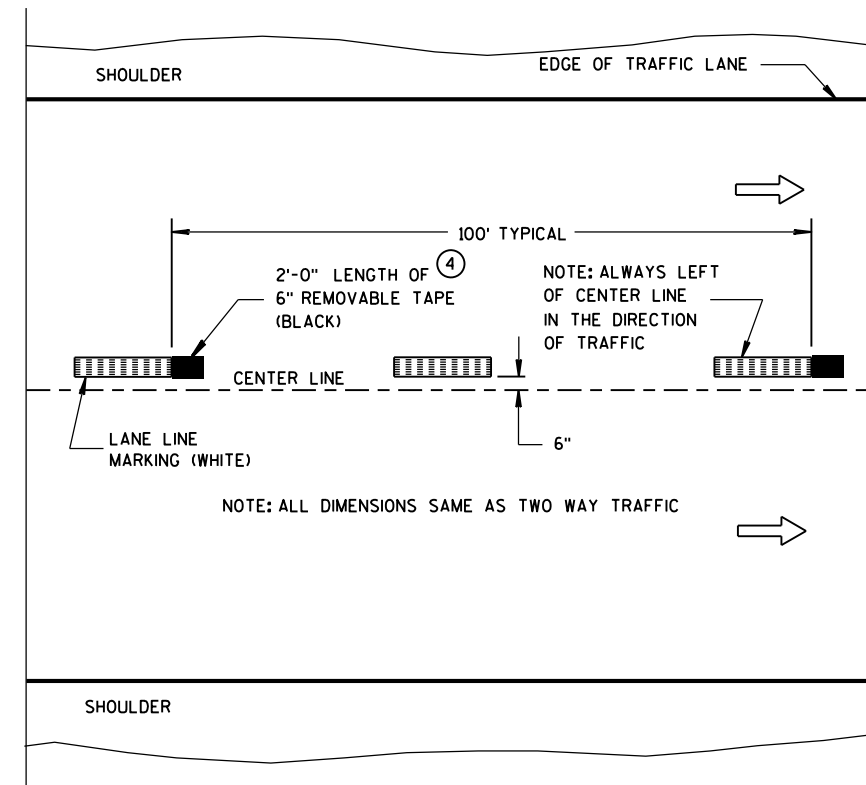


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

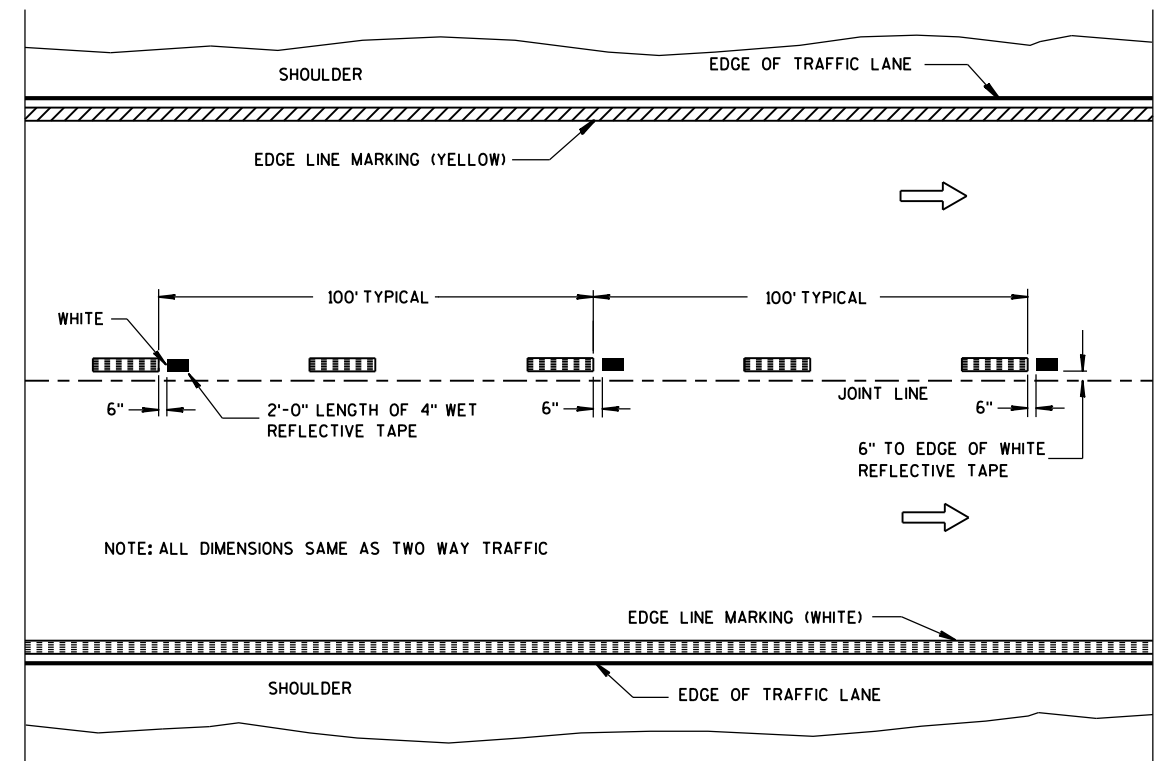
GENERAL NOTES

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

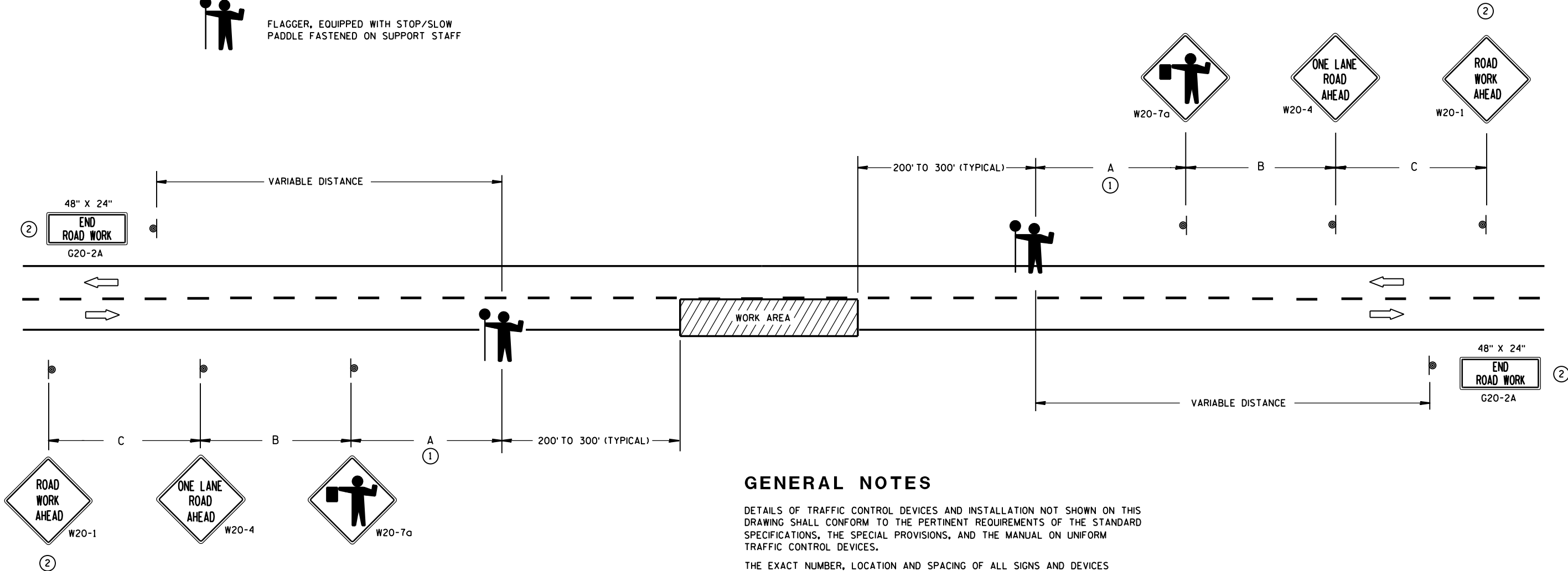
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

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.

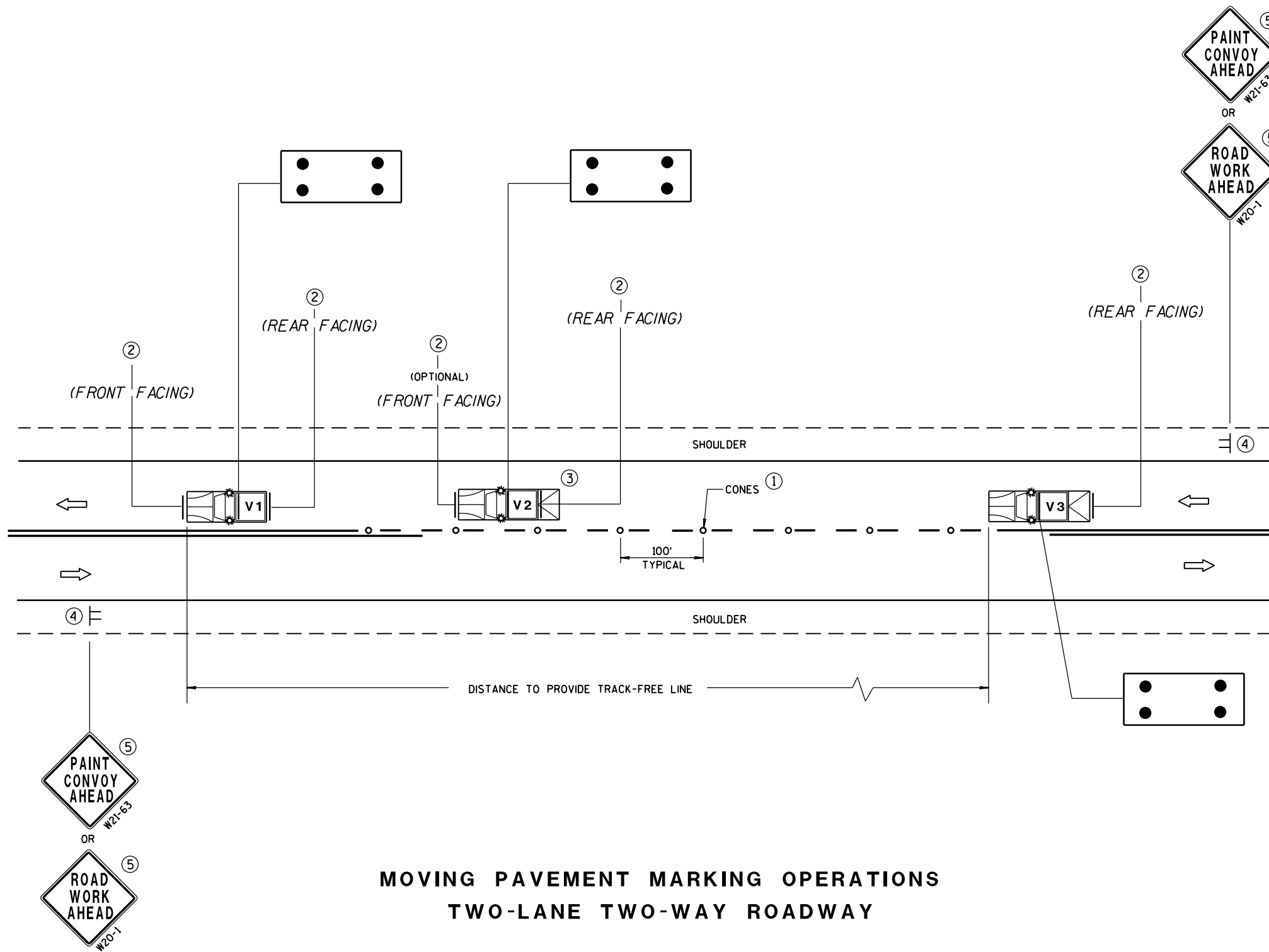
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

- 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.

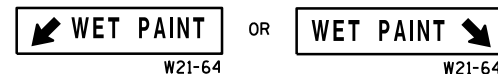
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

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.



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

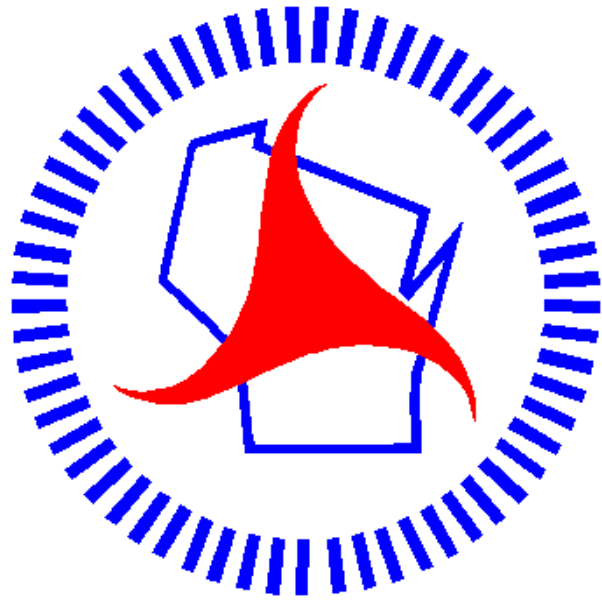
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/3/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

FHWA



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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