

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 and Profile
Section No. 6 Standard Detail Drawings

TOTAL SHEETS = 26

28

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

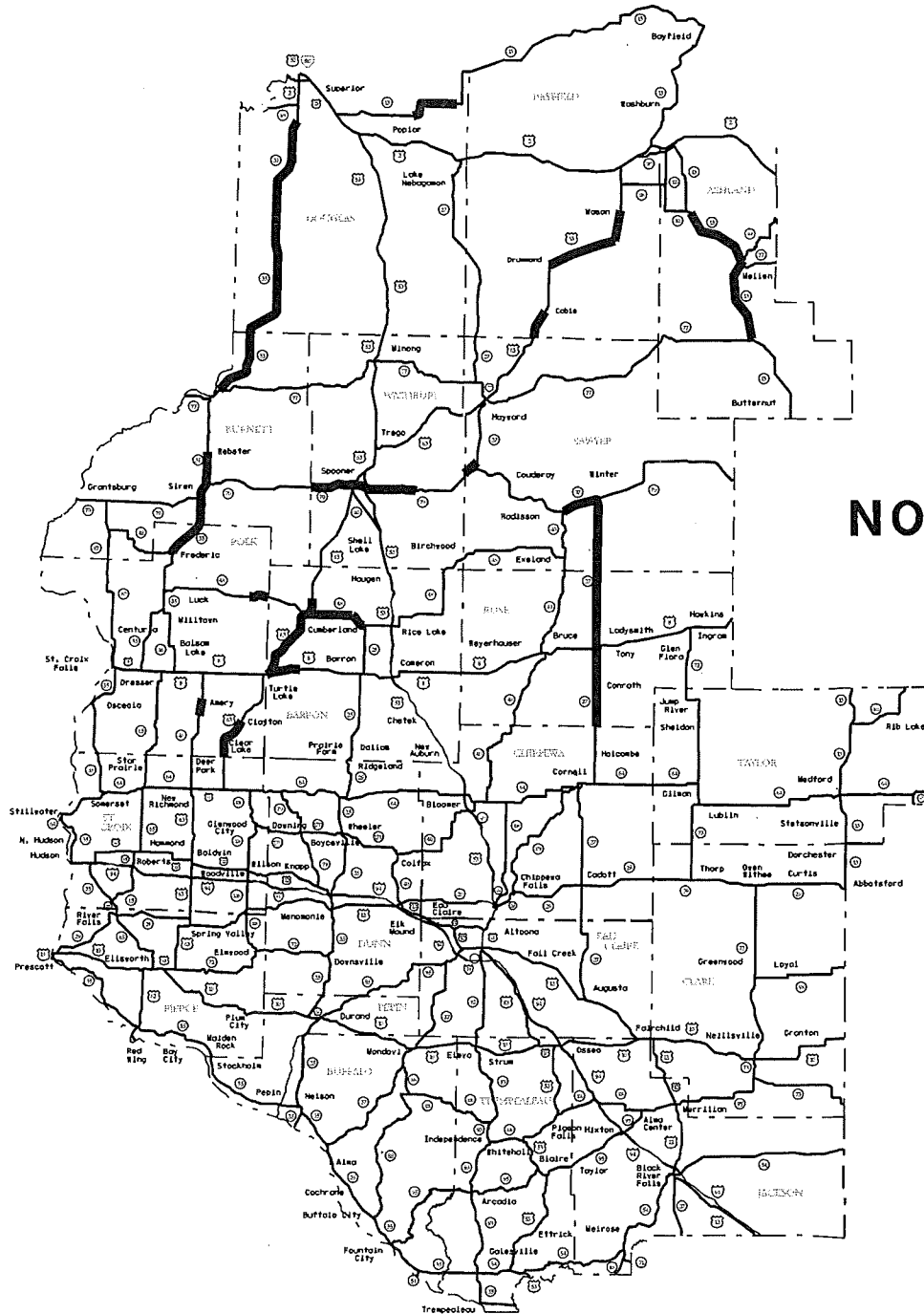
TELEPHONE

WATER

UTILITY PEDESTAL

POWER POLE

TELEPHONE POLE



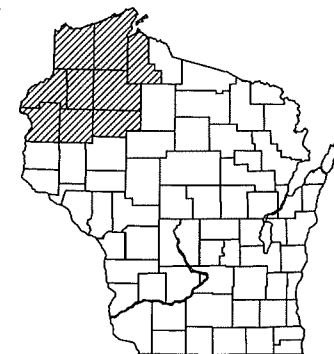
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

NORTHWEST REGION VARIOUS HIGHWAYS
(Var. HWY, CRACKFILL AND SEALCOAT)

Var. HWY
NW REGION WIDE

STATE PROJECT NUMBER
9227-01-20



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	TARA WEISS
District Examiner	DANIEL OJIBWAY
District Supervisor	DAVID SOLBERG
C.O. Examiner	
APPROVED FOR DISTRICT OFFICE	
DATE: 5/8/13	(Signature)

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.

BEARINGS SHOWN ON THE PLANS ARE COUNTY BEARINGS TO THE NEAREST SECOND.

PERSUANT TO CHAPTER 59 OF THE WISCONSIN STATUTES, SEARCH FOR EVIDENCE OF A LANDMARK IN ALL AREAS WHERE SUCH A LANDMARK MAY EXIST.

REMOVAL OF ANY SURVEY MARKER REQUIRES APPROVAL OF THE ENGINEER.

UTILITIES

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

RAILROAD

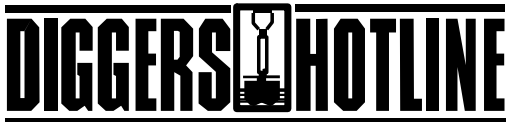
BNSF RAILWAY COMPANY
ATTN: BEN STEINKAMP
80 44TH AVENUE
MINNEAPOLIS, MN 55421
PHONE: (763) 782-9435
FAX: (763) 782-3061
EMAIL: benejamin.stienkamp@bnsf.com

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

PROGRESSIVE RAIL INCORPORATED
ATTN: LON VAN GEMERT
21778 HIGHVIEW AVENUE
LAKEVILLE, MN
PHONE: (952) 469-0323
FAX: (952) 985-7626
EMAIL: lvangemert@progressiverail.com

WISCONSIN DNR - LIASON

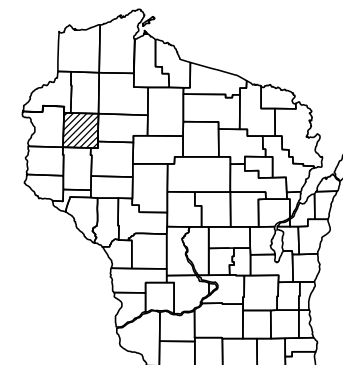
DNR - WEST CENTRAL REGION
1300 WEST CLAIREMONT AVENUE
P.O. BOX 4001
EAU CLAIRE, WI 54702-4001
PHONE: (715) 839-2786
ATTN: NICK SCHAFF



Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

TURTLE LAKE - CUMBERLAND
USH 63
USH 8 - STH 48

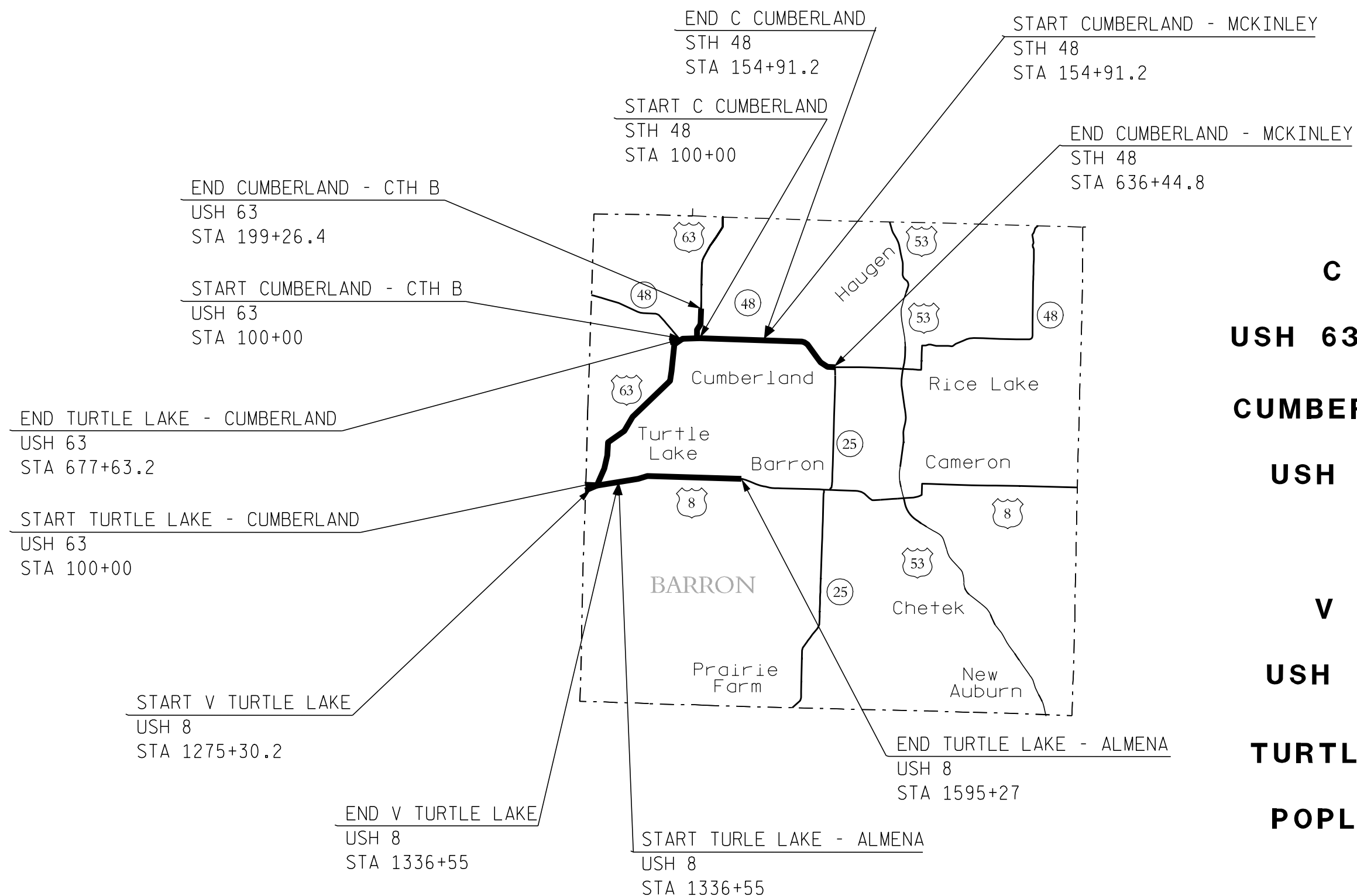
CUMBERLAND - CTH B
USH 63
STH 48 - CTH B



BARRON

3

N

**CONSTRUCTION NOTES**

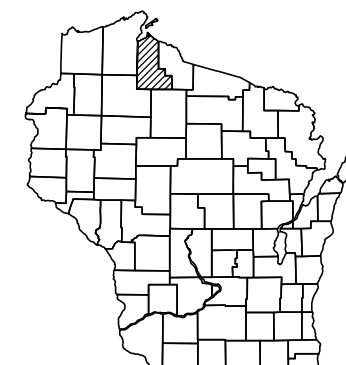
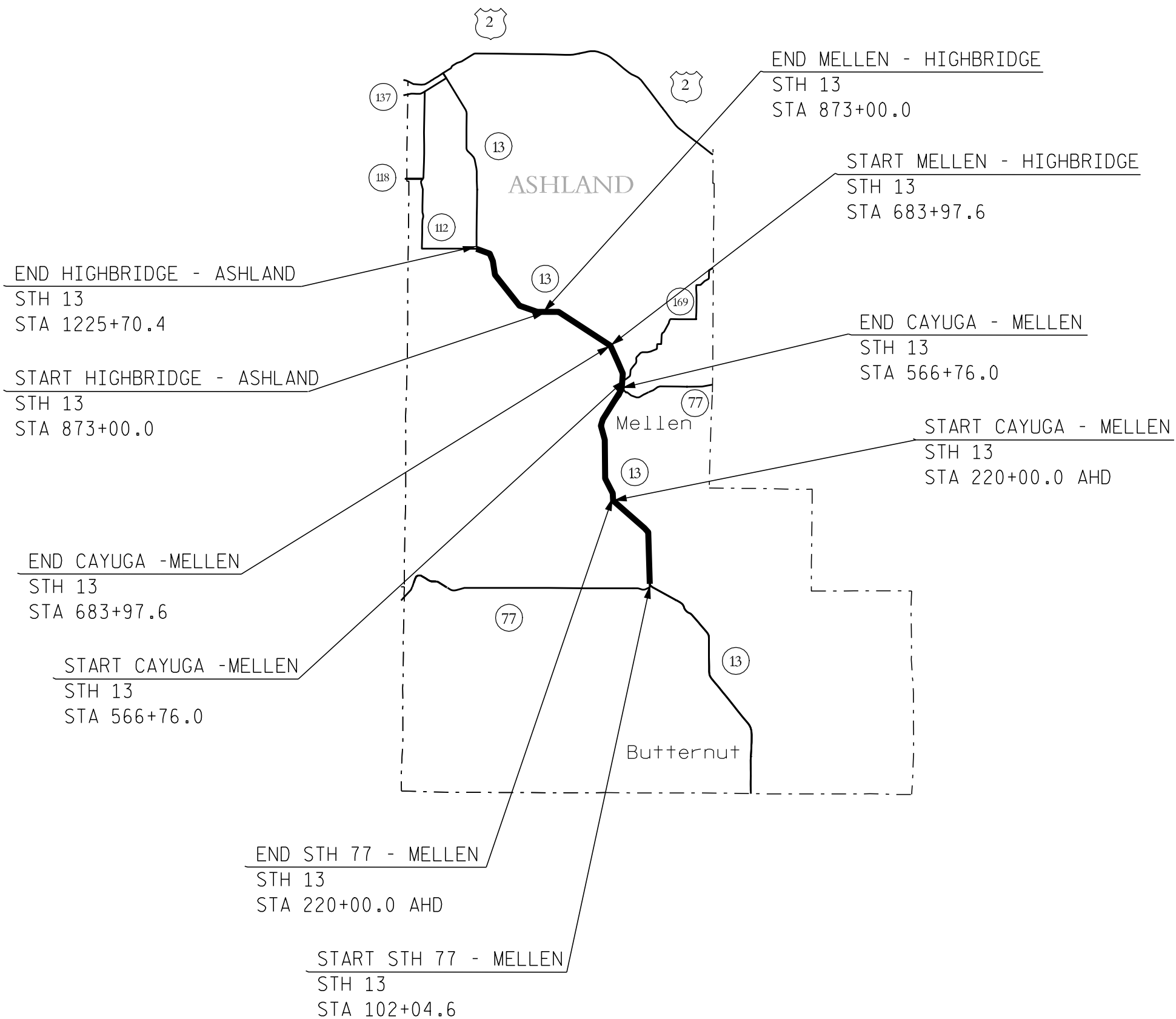
MILEAGE RANGES ARE APPROXIMATE.
ACTUAL FIELD CONDITIONS MAY VARY.

C CUMBERLAND
STH 48
USH 63 (S) - USH 63 (N)

CUMBERLAND - MCKINLEY
STH 48
USH 63 (N) - STH 25

V TURTLE LAKE
USH 8
USH 63 - POPLAR ST

TURTLE LAKE - ALMENA
USH 8
POPLAR ST - ALMENA



ASHLAND

2

N

CONSTRUCTION NOTES

MILEAGE RANGES ARE APPROXIMATE.
ACTUAL FIELD CONDITIONS MAY VARY.

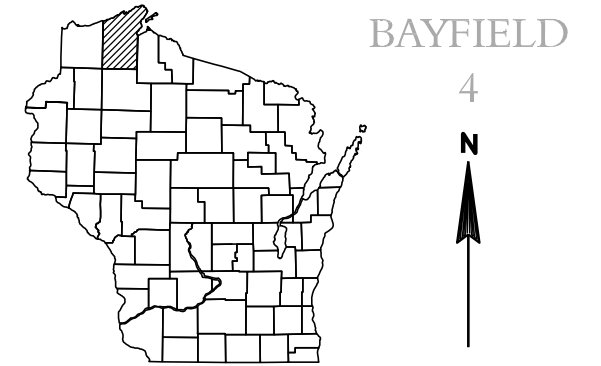
HIGHBRIDGE - ASHLAND
STH 13
CTH C - STH 112

MELLEN - HIGHBRIDGE
STH 13
GOLF COURSE RD - CTH C

CAYUGA - MELLEN
STH 13
STH 169 - GOLF COURSE RD

CAYUGA - MELLEN
STH 13
CAYUGA - STH 169

STH 77 - MELLEN
STH 13
CAYUGA - MELLEN



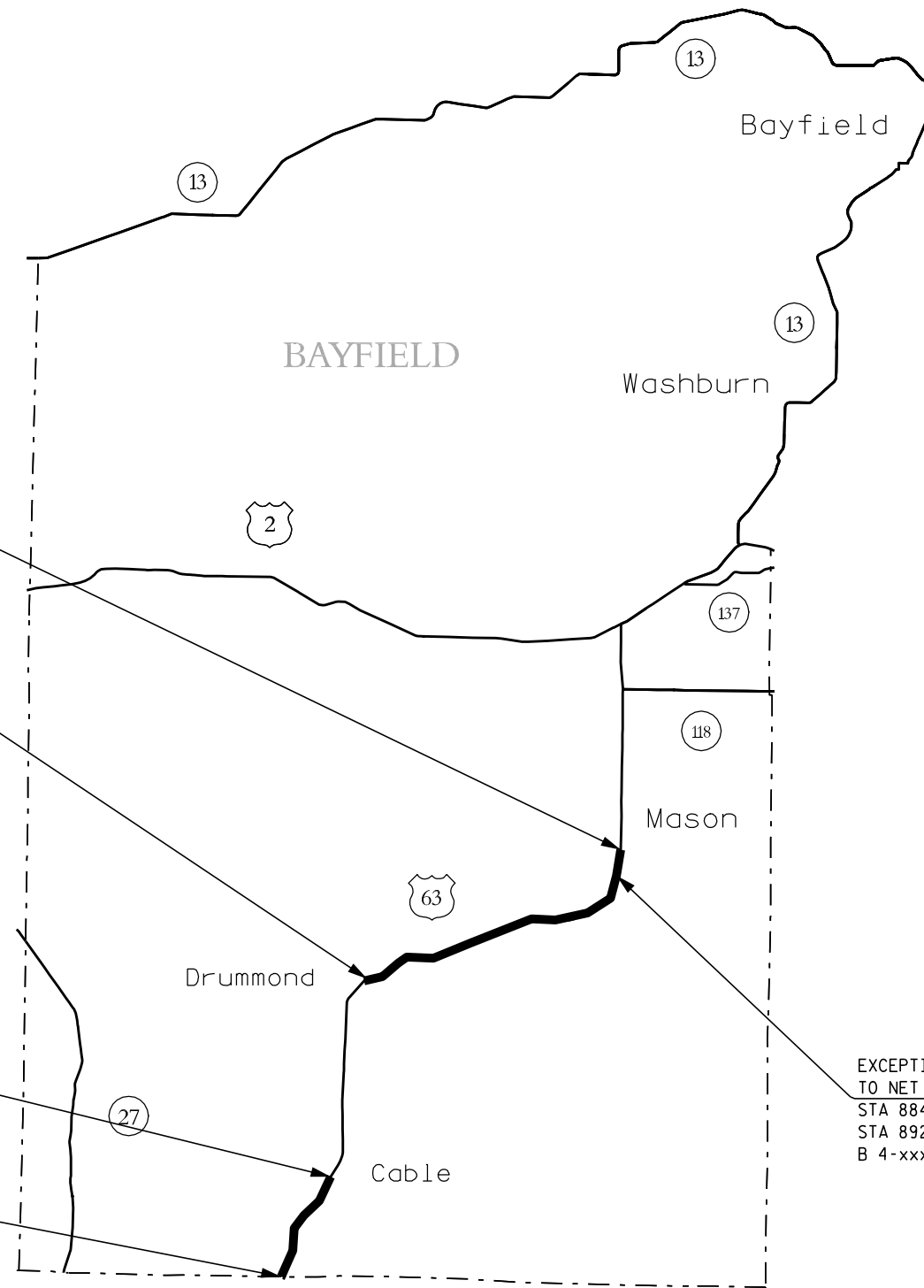
CONSTRUCTION NOTES
MILEAGE RANGES ARE APPROXIMATE.
ACTUAL FIELD CONDITIONS MAY VARY.

END GRANDVIEW - MASON
USH 63
STA 1135+04.4

START GRANDVIEW - MASON
USH 63
STA 476+10

END SCL - CABLE
USH 63
STA 2133+31.2

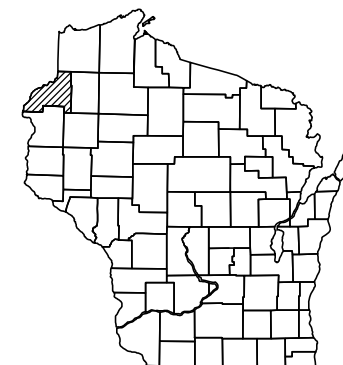
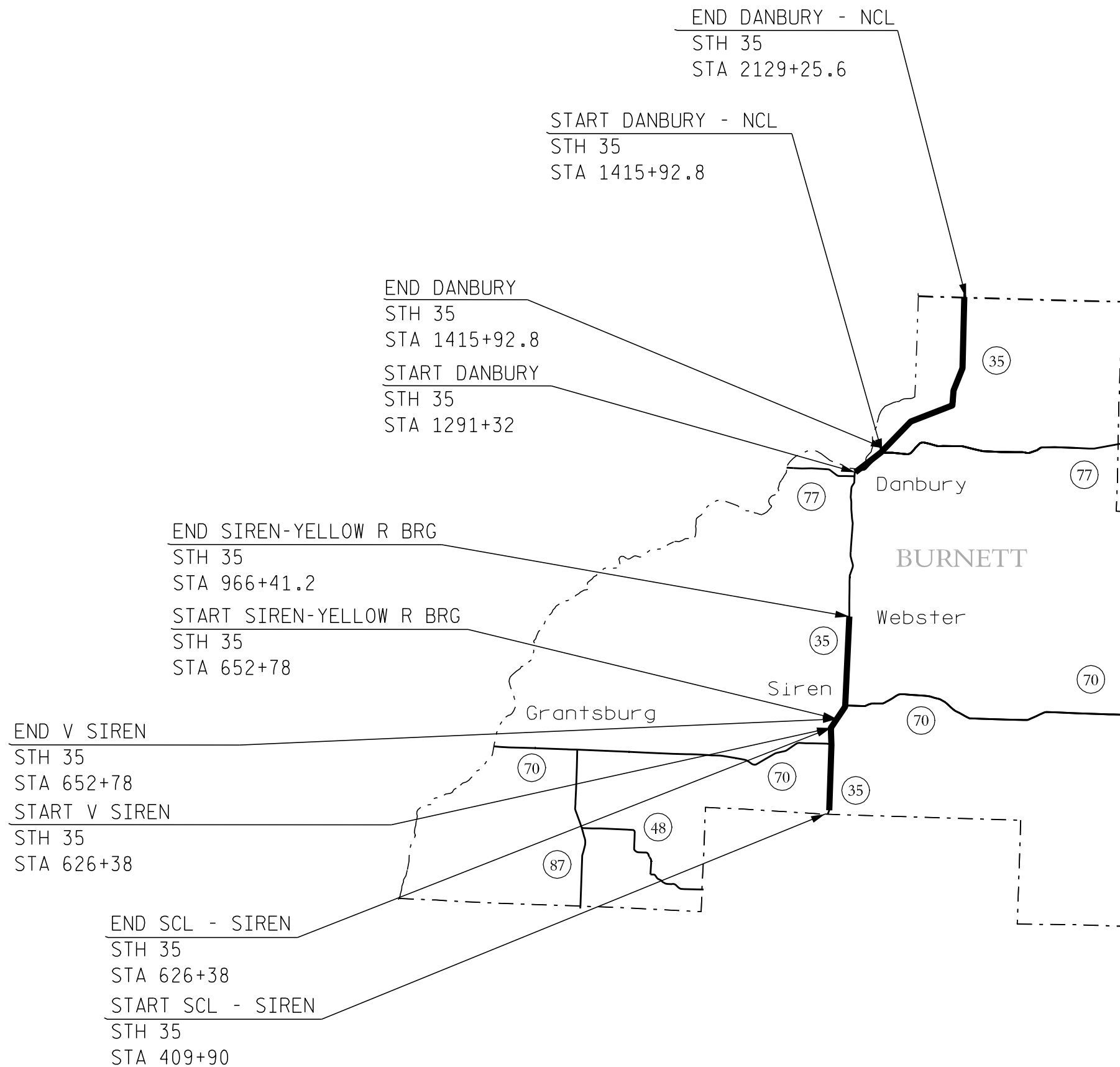
START SCL - CABLE
USH 63
STA 100+00



GRANDVIEW - MASON
USH 63
CTH N - BIBBON CREEK BRG

SCL - CABLE
USH 63
SCL - CTH M

EXCEPTION
TO NET
STA 884+76.66
STA 892+64.06
B 4-xxx



BURNETT

7

N

CONSTRUCTION NOTES

MILEAGE RANGES ARE APPROXIMATE.
ACTUAL FIELD CONDITIONS MAY VARY.

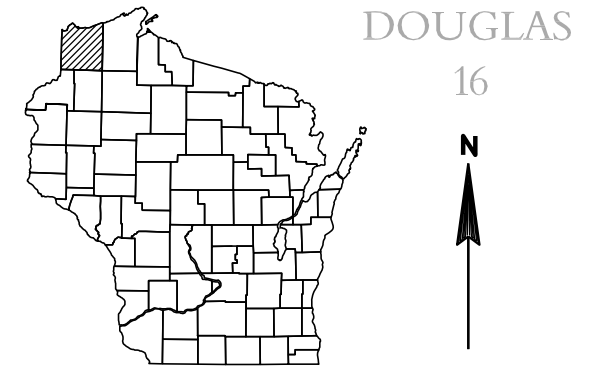
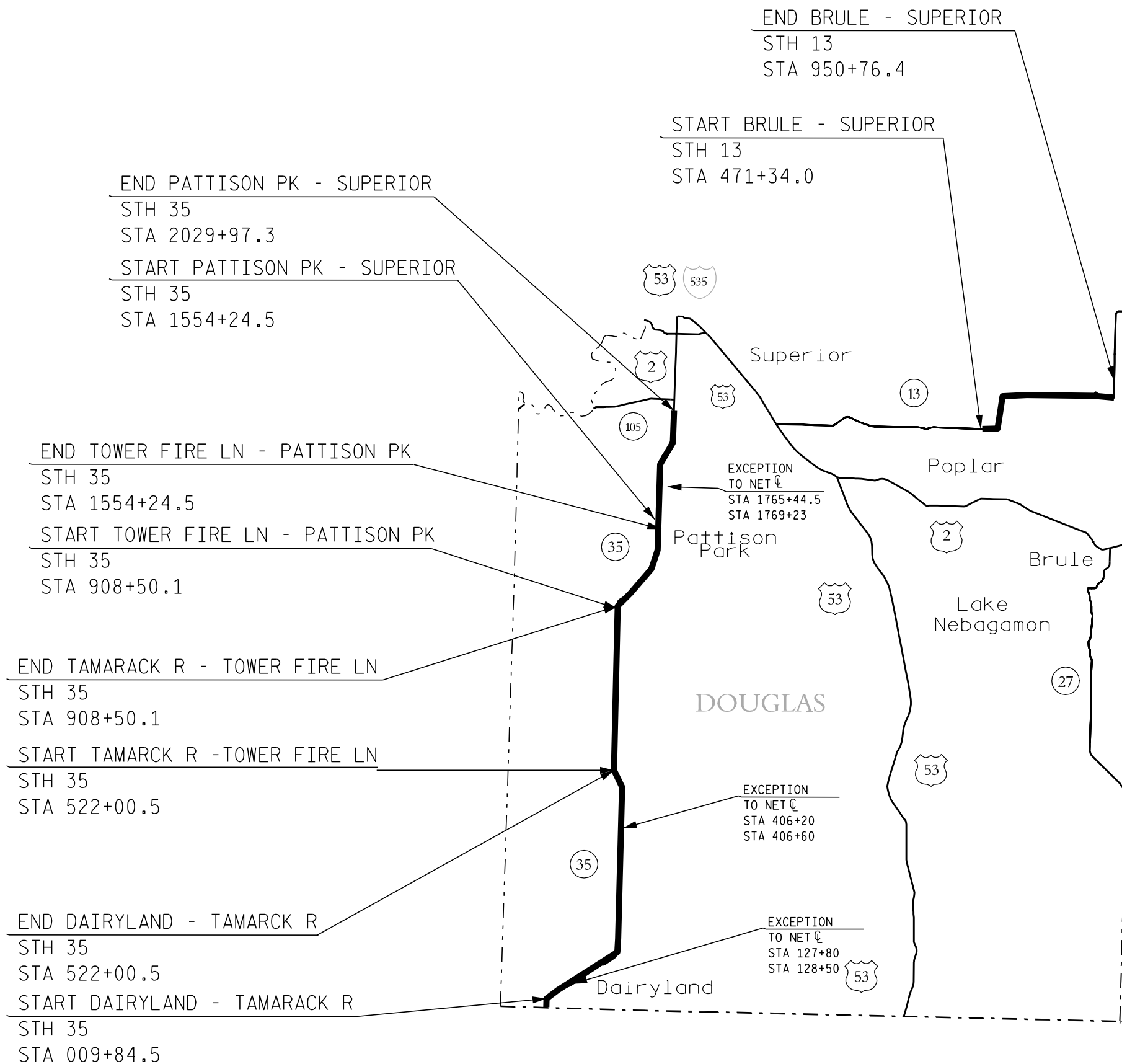
DANBURY - NCL
STH 35
STH 77 - NCL

DANBURY
STH 35
YELLOW R. BRG - STH 77 EB

SIREN - YELLOW R. BRG
STH 35
S SHORE DR - CTHX

V SIREN
STH 35
CTH B - S SHORE DR

SCL - SIREN
STH 35
SCL - CTH B



CONSTRUCTION NOTES

MILEAGE RANGES ARE APPROXIMATE.
ACTUAL FIELD CONDITIONS MAY VARY.

BRULE - SUPERIOR
STH 13
CTH H - CTH F

PATTISON PARK - SUPERIOR
STH 35
CTH B - 64 ST

TOWER FIRE - PATISON PARK
STH 35
TOWER FIRE - CTH B

TAMARACK R. - TOWER FIRE
STH 35
TAMARACK R. - TOWER FIRE

DAIRYLAND - UP. TAMARACK R.
STH 35
SCL - UP. TAMARACK R.

END FREDRICK - NCL
STH 35
STA 536+04.1

START FEDRICK - NCL
STH 35
STA 233+49.7

START MCKINLEY - CUMBERLAND
STH 48
STA 100+00

END MCKINLEY - CUMBERLAND
STH 48
STA 419+96.8

END CITY OF AMERY
STH 48
STA 176+03.2

START CITY OF AMERY
STH 48
STA 100+00

END SCL - CLEAR LAKE
USH 63
STA 543+52

START SCL - CLEAR LAKE
USH 63
STA 100+00



POLK

48



CONSTRUCTION NOTES

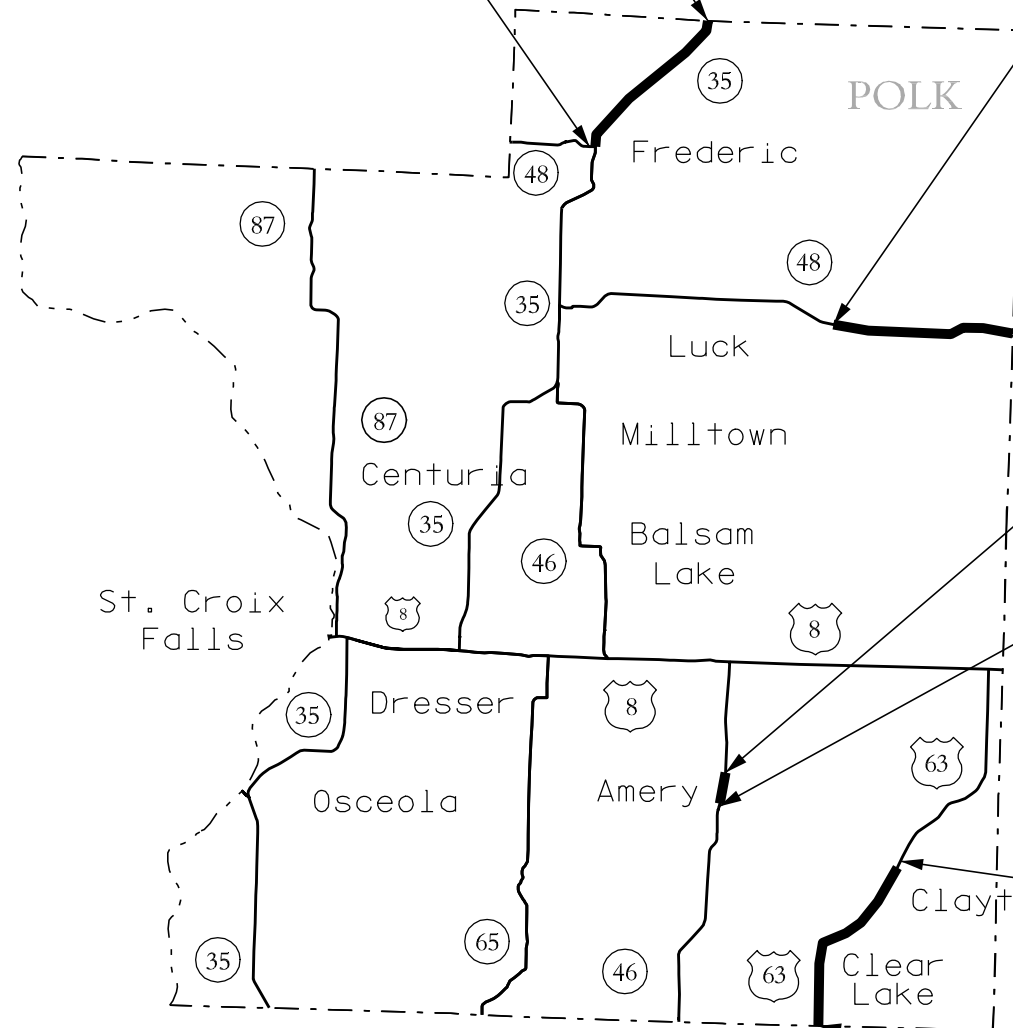
MILEAGE RANGES ARE APPROXIMATE.
ACTUAL FIELD CONDITIONS MAY VARY.

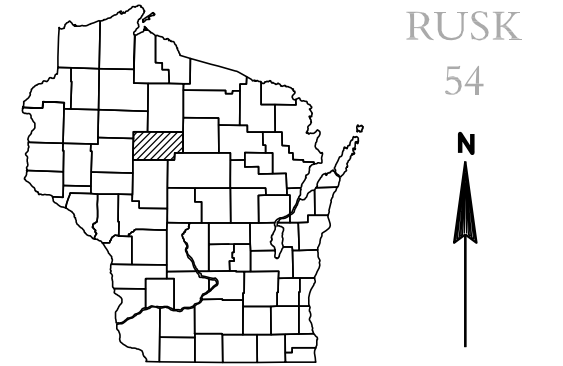
**Fedrerrick - NCL
STH 35
POLK ST - NCL**

**MCKINLEY - CUMBERLAND
STH 48
BASS LAKE - ECL**

**CITY OF AMERY
STH 46
GRIFFIN ST - WISCONSIN AVE**

**SCL - CLEAR LAKE
USH 63
SCL - CTH J**





CONSTRUCTION NOTES

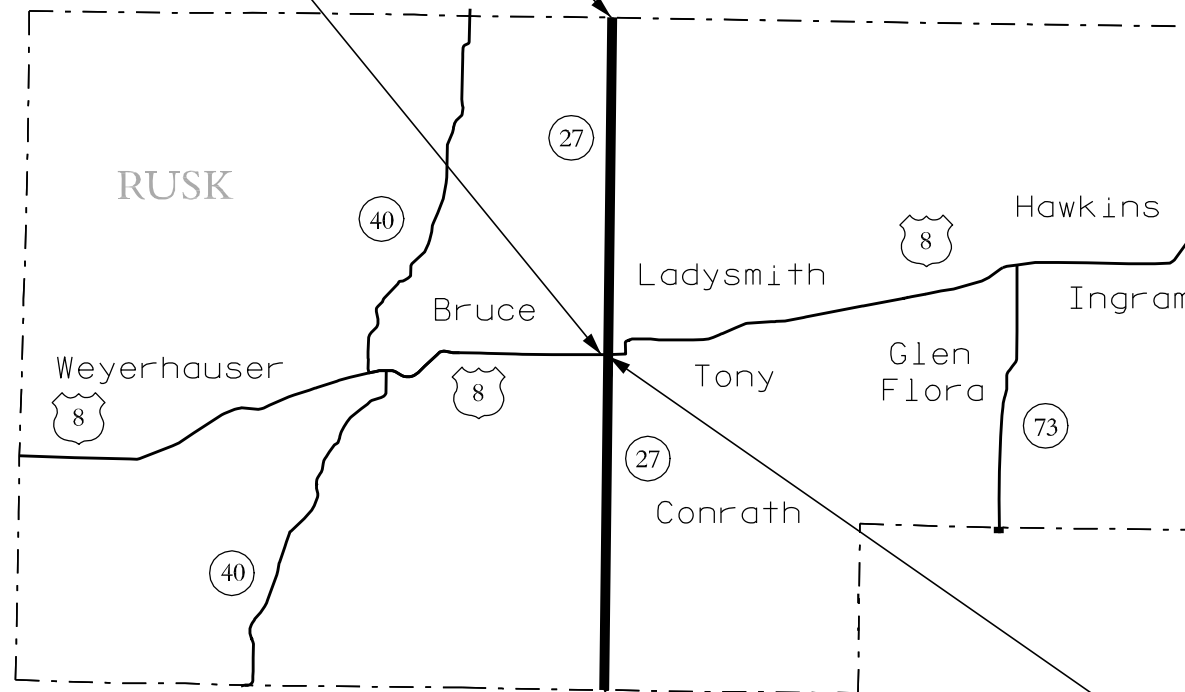
MILEAGE RANGES ARE APPROXIMATE.
ACTUAL FIELD CONDITIONS MAY VARY.

LADYSMITH - NCL
STH 27
FLAMBEAU AVE - NCL

SCL - LADYSMITH
STH 27
SCL - USH 8

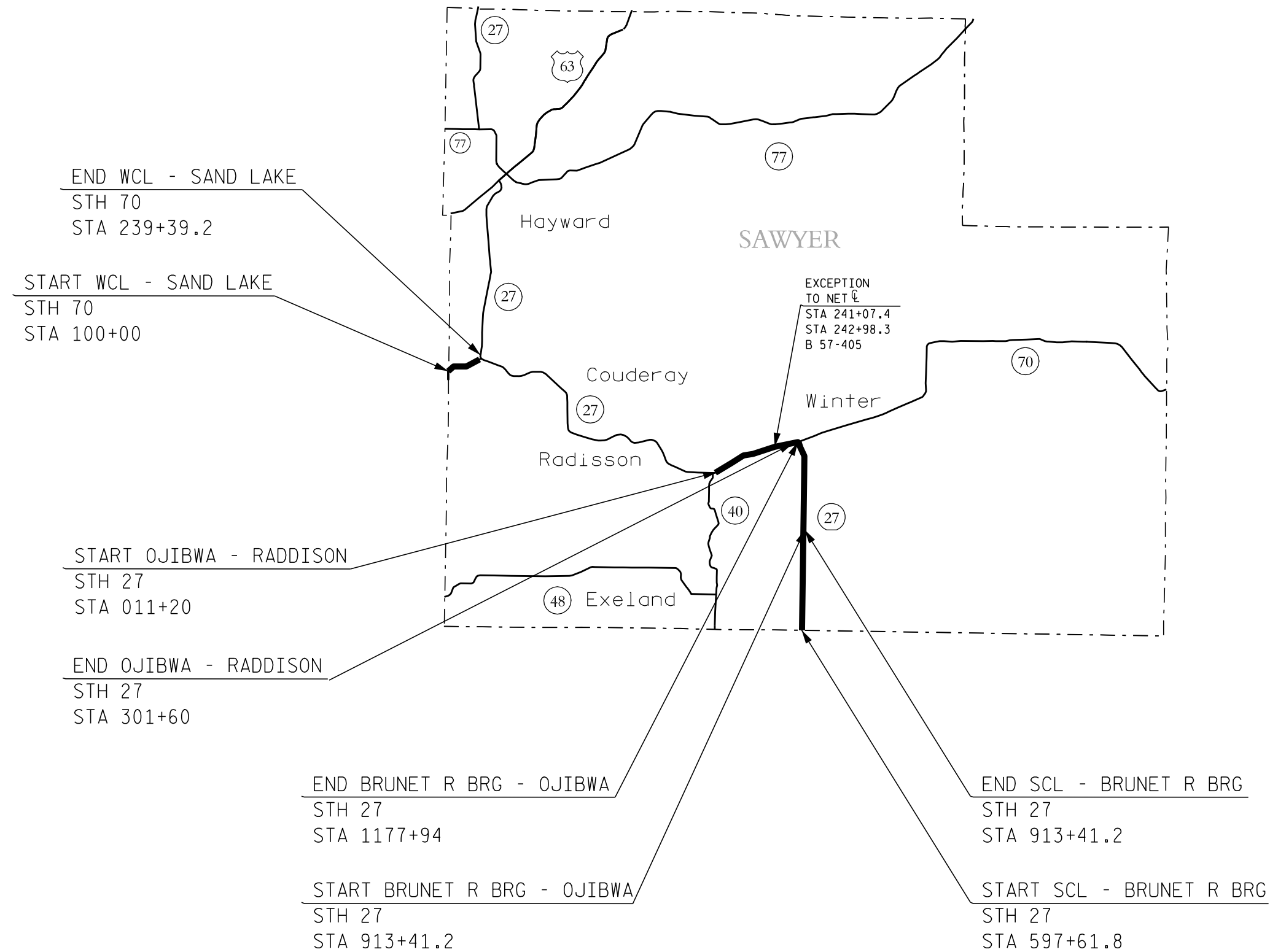
END LADYSMITH - NCL
STH 27
STA 1032+73.6

START LADYSMITH - NCL
STH 27
STA 453+52.0



END SCL - LADYSMITH
STH 27
STA 732+54.4

START SCL - LADYSMITH
STH 27
STA 100+00



SAWYER

57

N

CONSTRUCTION NOTES

MILEAGE RANGES ARE APPROXIMATE.
ACTUAL FIELD CONDITIONS MAY VARY.

**WCL - SAND LAKE
STH 27
WCL - STH 27**

**OJIBWA - RADDISON
STH 27
STH 70 - STH 40**

**BRUNET R BRG - OJIBWA
STH 27
BRUNET R BRG - STH 70**

**SCL - BRUNET R BRG
STH 27
SCL - BRUNET R BRG**

END WCL-SPOONER
STH 70
STA 389+89.09

START SPOONER - USH 53
STH 70
STA 389+89.09

START WCL-SPOONER
STH 70
STA 19+23.49

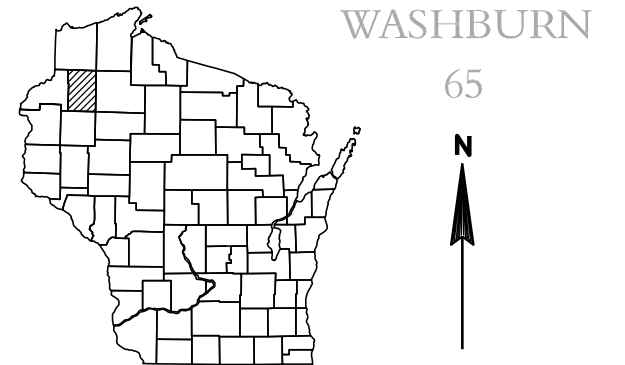
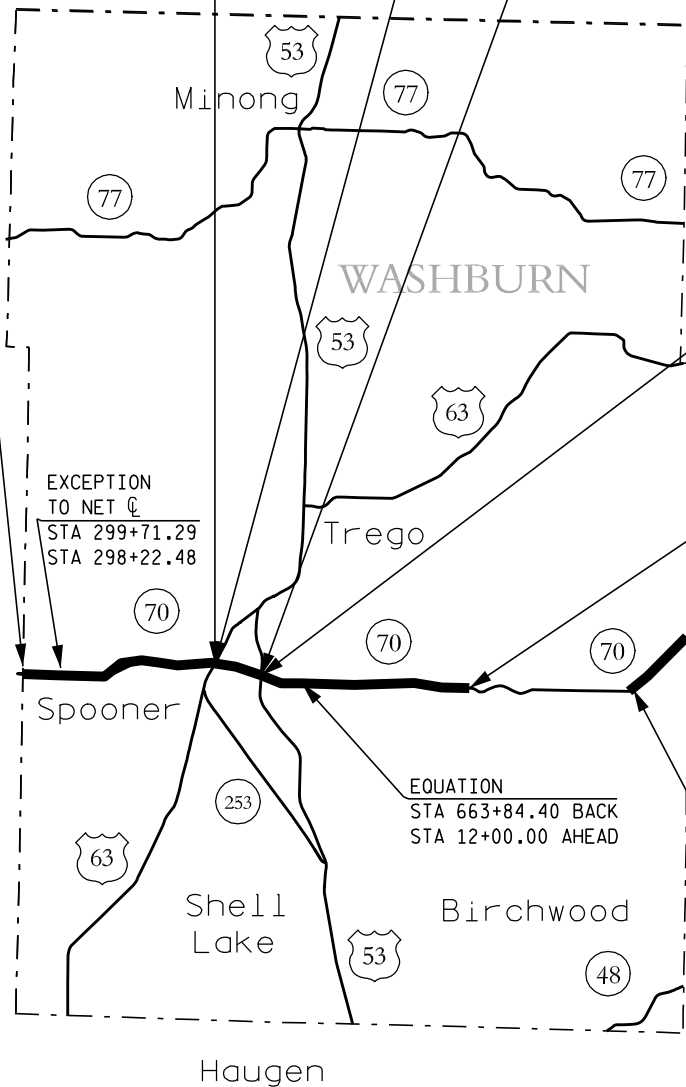
END SPOONER - USH 53
STH 70
STA 485+98.69

START USH 53 - CTH M
STH 70
STA 485+98.69

END USH 53 - CTH M
STH 70
STA 828+13.1

END CTH B - STONE LAKE
STH 70
STA 379+84

START CTH B - STONE LAKE
STH 70
STA 100+00



CONSTRUCTION NOTES

MILEAGE RANGES ARE APPROXIMATE.
ACTUAL FIELD CONDITIONS MAY VARY.

**WCL - SPOONER
STH 70
WCL - USH 63**

**SPOONER - USH 53
STH 70
USH 63 - USH 53**

**USH 53 - CTH M
STH 70
USH 53 - CTH M (N)**

**CTH B - STONE LAKE
STH 70
CTH B - ECL**

DATE 09MAY13		E S T I M A T E O F Q U A N T I T I E S			
LINE		9227-01-20			
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	3,554,762.000	3,554,762.000
0040	646.0123	PAVEMENT MARKING PAINT 8-INCH	LF	21,522.000	21,522.000
0050	649.0100	TEMPORARY PAVEMENT MARKING 4-INCH	LF	156,250.000	156,250.000
0060	SPV.0125	SPECIAL 01. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, STH 77 - CAYUGA	MI	7.150	7.150
0070	SPV.0125	SPECIAL 02. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, CAYUGA- STH 169	MI	6.450	6.450
0080	SPV.0125	SPECIAL 03. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, STH 169 - GOLF COURSE ROAD	MI	2.220	2.220
0090	SPV.0125	SPECIAL 04. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, GOLF COURSE ROAD-CTH C	MI	3.580	3.580
0100	SPV.0125	SPECIAL 05. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, CTH C-STH 112	MI	6.860	6.860
0110	SPV.0125	SPECIAL 06. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, USH 63 - POPLAR STREET	MI	1.160	1.160
0120	SPV.0125	SPECIAL 07. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, POPLAR STREET - ALMENA	MI	4.990	4.990
0130	SPV.0125	SPECIAL 08. SEALING ASPHALTIC PAVEMENT CRACKS, STH 48, USH 63 (S) - USH 63 (N)	MI	1.040	1.040
0140	SPV.0125	SPECIAL 09. SEALING ASPHALTIC PAVEMENT CRACKS, STH 48, USH 63 (N) - STH 25	MI	9.120	9.120
0150	SPV.0125	SPECIAL 10. SEALING ASPHALTIC PAVEMENT CRACKS, USH 63, USH 8 - STH 48	MI	10.940	10.940
0160	SPV.0125	SPECIAL 11. SEALING ASPHALTIC PAVEMENT CRACKS, USH 63, STH 48 - CTH B	MI	1.880	1.880
0170	SPV.0125	SPECIAL 12. SEALING ASPHALTIC PAVEMENT CRACKS, USH 63, SCL - CTH M	MI	4.040	4.040
0180	SPV.0125	SPECIAL 13. SEALING ASPHALTIC PAVEMENT CRACKS, USH 63, CTH N - BIBBON CRK BRG	MI	12.480	12.480
0190	SPV.0125	SPECIAL 14. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, SCL - CTH B	MI	4.100	4.100
0200	SPV.0125	SPECIAL 15. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, CTH B - S SHORE DR	MI	0.500	0.500
0210	SPV.0125	SPECIAL 16. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, S SHORE DR - CTH X	MI	5.940	5.940
0220	SPV.0125	SPECIAL 17. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, YELLOW R BRG - STH 77 EB	MI	2.360	2.360
0230	SPV.0125	SPECIAL 18. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, STH 77 - NCL	MI	13.510	13.510
0240	SPV.0125	SPECIAL 19. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, CTH H - CTH F	MI	9.080	9.080
0250	SPV.0125	SPECIAL 20. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, SCL - UP TAMARACK R	MI	9.700	9.700
0260	SPV.0125	SPECIAL 21. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, UP TAMARACK R - TOWER FIRE LN	MI	7.320	7.320
0270	SPV.0125	SPECIAL 22. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, TOWER FIRE LN - CTH B	MI	12.230	12.230
0280	SPV.0125	SPECIAL 23. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, CH B - 64 ST	MI	9.010	9.010
0290	SPV.0125	SPECIAL 24. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, POLK ST. - NCL	MI	5.730	5.730
0300	SPV.0125	SPECIAL 25. SEALING ASPHALTIC PAVEMENT CRACKS, STH 46, GRIFFIN ST - WI AVE	MI	1.440	1.440

DATE 09MAY13			E S T I M A T E O F Q U A N T I T I E S			
LINE					9227-01-20	
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY	
0310	SPV.0125	SPECIAL 26. SEALING ASPHALTIC PAVEMENT CRACKS, STH 48, BASS LK LN - ECL	MI	6.060	6.060	
0320	SPV.0125	SPECIAL 27. SEALING ASPHALTIC PAVEMENT CRACKS, USH 63, SCL - CTH J	MI	8.400	8.400	
0330	SPV.0125	SPECIAL 28. SEALING ASPHALTIC PAVEMENT CRACKS, STH 27, SCL - USH 8	MI	11.980	11.980	
0340	SPV.0125	SPECIAL 29. SEALING ASPHALTIC PAVEMENT CRACKS, STH 27, FLAMBEAU - - NCL	MI	10.970	10.970	
0350	SPV.0125	SPECIAL 30. SEALING ASPHALTIC PAVEMENT CRACKS, STH 27, SCL - BURNET R BRG	MI	5.980	5.980	
0360	SPV.0125	SPECIAL 31. SEALING ASPHALTIC PAVEMENT CRACKS, STH 27, BRUNET R BRG - STH 70	MI	5.010	5.010	
0370	SPV.0125	SPECIAL 32. SEALING ASPHALTIC PAVEMENT CRACKS, STH 27, STH 70 - STH 40	MI	5.500	5.500	
0380	SPV.0125	SPECIAL 33. SEALING ASPHALTIC PAVEMENT CRACKS, STH 27, WCL - STH 70	MI	2.640	2.640	
0390	SPV.0125	SPECIAL 34. SEALING ASPHALTIC PAVEMENT CRACKS, STH 70, WCL - USH 63	MI	7.020	7.020	
0400	SPV.0125	SPECIAL 35. SEALING ASPHALTIC PAVEMENT CRACKS, STH 70, USH 63 - USH 53	MI	1.820	1.820	
0410	SPV.0125	SPECIAL 36. SEALING ASPHALTIC PAVEMENT CRACKS, STH 70, USH 53 - CTH M	MI	6.480	6.480	
0420	SPV.0125	SPECIAL 37. SEALING ASPHALTIC PAVEMENT CRACKS, STH 70, CTH B - ECL	MI	5.300	5.300	

PAVEMENT MARKING PAINT 4-INCH

CAT	COUNTY	ROUTE	ROADWAY	LIMITS	YELLOW	WHITE
					646.0103 LF	646.0103 LF
0010	ASHLAND	STH 13	STH 77-MELLEN	STH 77-CAYUGA	33,956	74,304
0010	ASHLAND	STH 13	CAYUGA-MELLEN	CAYUGA-STH 169	41,662	60,406
0010	ASHLAND	STH 13	CAYUGA-MELLEN	STH 169-GOLF COURSE RD	21,016	24,499
0010	ASHLAND	STH 13	MELLEN - HIGHBRIDGE	GOLF COURSE RD- CTH C	20,746	37,203
0010	ASHLAND	STH 13	HIGHBRIDGE-ASHLAND	CTH C - STH 112	45,306	73,436
0010	BARRON	USH 8	V TURTLE LK	USH 63 - POPLAR ST	11,187	7,270
0010	BARRON	USH 8	TURTLE LK - ALMENA	POPLAR ST-ALMENA	49,138	56,747
0010	BARRON	STH 48	CUMBERLAND	USH 63-USH 63	12,774	5,424
0010	BARRON	STH 48	CUMBERLAND-MCKINLEY	USH 63 - STH 25	59,800	92,573
0010	BARRON	USH 63	TURTLE LK - CUMBERLAND	USH 8-STH 48	93,105	118,097
0010	BARRON	USH 63	CUMBERLAND -CTH B	STH 48-CTH B	17,919	8,990
0010	BAYFIELD	USH 63	SCL-CABLE	SCL-CTH M	25,290	41,537
0010	BAYFIELD	USH 63	GRADNVIEW-MASON	CTH N-BIBBON CK BRG	86,277	130,269
0010	BURNETT	STH 35	SCL-SIREN	SCL-CTH B	28,427	41,397
0010	BURNETT	STH 35	V SIREN	CTH B-S SHORE DR	18,542	13,070
0010	BURNETT	STH 35	SIREN - YELLOW R BRG	S SHORE DR-CTH X	24,387	50,961
0010	BURNETT	STH 35	DANBURY	YELLOW R BRG-STH 77	16,820	21,724
0010	BURNETT	STH 35	DANBURY-NCL	STH 77-NCL	52,523	115,317
0010	DOUGLAS	STH 13	BRULE-SUPERIOR	CTH H-CTH F	62,468	93,542
0010	DOUGLAS	STH 35	DAIRYLAND-TAMARACK R	SCL-TAMARACK R	35,541	101,518
0010	DOUGLAS	STH 35	TAMARACK R-TOWER FIRE LN	TAMARACK R-TOWER FIRE	29,168	79,455
0010	DOUGLAS	STH 35	TOWER FIRE LN- PATISON PK	TOWER FIRE LN-PATTISON	76,916	126,345
0010	DOUGLAS	STH 35	PATTISON PK-SUPERIOR	PATTISON PK-64TH ST	41,841	91,021
0010	POLK	STH 35	FREDRICK-NCL	POLK ST-NCL	41,812	60,470
0010	POLK	STH 46	CITY OF AMERY	GRIFFIN ST-WI AVE	16,601	3,952
0010	POLK	STH 48	MCKINLEY-CUMBERLAND	BASS LK LN-ECL	13,724	56,722
0010	POLK	USH 63	SCL-CLEAR LK	SCL-CTH J	35,235	88,740
0010	RUSK	STH 27	SCL-LADYSMITH	SCL-USH 8	59,407	122,703
0010	RUSK	STH 27	LADYSMITH-BRUNET R	FLAMBEAU AVE-NCL	31,845	114,833
0010	SAWYER	STH 27	SCL-BRUNET R BRG	SCL-BRUNET R BRG	10,104	62,640
0010	SAWYER	STH 27	BRUNET R BRG-OJIBWA	BRUNET R BRG-STH 70	25,157	52,402
0010	SAWYER	STH 27	OJIBWA-RADISSON	STH 70-STH 40	28,264	56,538
0010	SAWYER	STH 27	WCL-SAND LAKE	WCL-STH 27	16,006	26,742
0010	WASHBURN	STH 70	WCL-SPOONER	WCL-USH 63	21,977	70,550
0010	WASHBURN	STH 70	SPOONER-USH 53	USH 63-USH 53	8,262	14,373
0010	WASHBURN	STH 70	USH 53-CTH M	USH 53-CTH M	34,557	66,713
0010	WASHBURN	STH 70	CTH B-STONE LAKE	CTH B-ECL	13,811	30,708
SUB-TOTAL					1,261,571 YELLOW	2,293,191 WHITE
TOTAL 0010					3,554,762	

PAVEMENT MARKING PAINT 8-INCH

CAT	COUNTY	ROUTE	ROADWAY	LIMITS	646.0123	REMARKS
					LF	
0010	ASHLAND	STH 13	STH 77-MELLEN	STH 77-CAYUGA	170	WHITE
0010	ASHLAND	STH 13	CAYUGA-MELLEN	CAYUGA-STH 169	0	WHITE
0010	ASHLAND	STH 13	CAYUGA-MELLEN	STH 169-GOLF COURSE RD	277	WHITE
0010	ASHLAND	STH 13	MELLEN - HIGHBRIDGE	GOLF COURSE RD- CTH C	0	WHITE
0010	ASHLAND	STH 13	HIGHBRIDGE-ASHLAND	CTH C - STH 112	251	WHITE
0010	BARRON	USH 8	V TURTLE LK	USH 63 - POPLAR ST	1,512	WHITE
0010	BARRON	USH 8	TURTLE LK - ALMENA	POPLAR ST-ALMENA	4,190	WHITE
0010	BARRON	STH 48	CUMBERLAND	USH 63-USH 63	632	WHITE
0010	BARRON	STH 48	CUMBERLAND-MCKINLEY	USH 63 - STH 25	431	WHITE
0010	BARRON	USH 63	TURTLE LK - CUMBERLAND	USH 8-STH 48	1,390	WHITE
0010	BARRON	USH 63	CUMBERLAND -CTH B	STH 48-CTH B	690	WHITE
0010	BAYFIELD	USH 63	SCL-CABLE	SCL-CTH M	0	WHITE
0010	BAYFIELD	USH 63	GRADNVIEW-MASON	CTH N-BIBBON CK BRG	96	WHITE
0010	BURNETT	STH 35	SCL-SIREN	SCL-CTH B	428	WHITE
0010	BURNETT	STH 35	V SIREN	CTH B-S SHORE DR	1,400	WHITE
0010	BURNETT	STH 35	SIREN - YELLOW R BRG	S SHORE DR-CTH X	5,069	WHITE
0010	BURNETT	STH 35	DANBURY	YELLOW R BRG-STH 77	0	WHITE
0010	BURNETT	STH 35	DANBURY-NCL	STH 77-NCL	0	WHITE
0010	DOUGLAS	STH 13	BRULE-SUPERIOR	CTH H-CTH F	0	WHITE
0010	DOUGLAS	STH 35	DAIRYLAND-TAMARACK R	SCL-TAMARACK R	0	WHITE
0010	DOUGLAS	STH 35	TAMARACK R-TOWER FIRE LN	TAMARACK R-TOWER FIRE	0	WHITE
0010	DOUGLAS	STH 35	TOWER FIRE LN- PATISON PK	TOWER FIRE LN-PATTISON	0	WHITE
0010	DOUGLAS	STH 35	PATTISON PK-SUPERIOR	PATTISON PK-64TH ST	588	WHITE
0010	POLK	STH 35	FREDRICK-NCL	POLK ST-NCL	0	WHITE
0010	POLK	STH 46	CITY OF AMERY	GRIFFIN ST-WI AVE	297	WHITE
0010	POLK	STH 48	MCKINLEY-CUMBERLAND	BASS LK LN-ECL	187	WHITE
0010	POLK	USH 63	SCL-CLEAR LK	SCL-CTH J	822	WHITE
0010	RUSK	STH 27	SCL-LADYSMITH	SCL-USH 8	2,677	WHITE
0010	RUSK	STH 27	LADYSMITH-BRUNET R	FLAMBEAU AVE-NCL	115	WHITE
0010	SAWYER	STH 27	SCL-BRUNET R BRG	SCL-BRUNET R BRG	0	WHITE
0010	SAWYER	STH 27	BRUNET R BRG-OJIBWA	BRUNET R BRG-STH 70	0	WHITE
0010	SAWYER	STH 27	OJIBWA-RADISSON	STH 70-STH 40	200	WHITE
0010	SAWYER	STH 27	WCL-SAND LAKE	WCL-STH 27	0	WHITE
0010	WASHBURN	STH 70	WCL-SPOONER	WCL-USH 63	0	WHITE
0010	WASHBURN	STH 70	SPOONER-USH 53	USH 63-USH 53	0	WHITE
0010	WASHBURN	STH 70	USH 53-CTH M	USH 53-CTH M	100	WHITE
0010	WASHBURN	STH 70	CTH B-STONE LAKE	CTH B-ECL	0	WHITE
SUB-TOTAL					21,522 WHITE	
TOTAL 0010					21,522	

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

TEMPORARY PAVEMENT MARKING 4-INCH					
CAT	COUNTY	ROUTE	ROADWAY	649.0100 LF	REMARKS
0010	VARIES	VARIES	UNDISTRIBUTED	156,250	YELLOW CENTERLINE AS DIRECTED BY THE PROJECT ENGINEER
TOTAL 0010				156,250	

SPECIAL(02. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, CAYUGA- STH 169)							
				SPV.0125 (02)			
CAT	STATION	TO	STATION	ROUTE	LIMITS	MI	REMARKS
0010	220+00AHD	-	560+56	STH 13	CAYUGA - STH 169	6.45	ASHLAND CO.
TOTAL 0010						6.45	

SPECIAL(04. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, GOLF COURSE ROAD-CTH C)							
				SPV.0125 (04)			
CAT	STATION TO	STATION	ROUTE	LIMITS	MI	REMARKS	
0010	677+78	- 866+80	STH 13	GOLF COURSE ROAD-CTH C	3.58	ASHLAND CO.	
TOTAL 0010					3.58		

SPECIAL(06. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, USH 63-POPLAR ST)						
CAT	STATION TO STATION	ROUTE	LIMITS	SPV.0125 (06) MI	REMARKS	
0010	.275+30.2 - 1336+55	USH 8	USH 63- POPLAR ST	1.16	BARRON CO.	
TOTAL 0010				1.16		

TRAFFIC CONTROL (01.9227-01-20)			
CAT	LOCATION	643.0100 EACH	REMARKS
0010	PROJECT	1	
TOTAL 0010		1	

SPECIAL(01. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, STH 77 - CAYUGA)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125(01) MI	REMARKS
0010	102+04.6	-	479+56BK	STH 13	STH 77 - CAYUGA	7.15	ASHLAND CO.
TOTAL 0010						7.15	

SPECIAL(03. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, STH 169 - GOLF COURSE ROAD)						
CAT	STATION TO STATION	ROUTE	LIMITS	SPV.0125 (03) MI	REMARKS	
0010	560+56 - 677+78	STH 13	STH 169 - GOLF COURSE ROAD	2.22	ASHLAND CO.	
TOTAL 0010				2.22		

SPECIAL(05. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, CTH C-STH 112)						
CAT	STATION TO STATION	ROUTE	LIMITS	SPV.0125 (05) MI	REMARKS	
0010	866+80 - 1229+00	STH 13	CTH C-STH 112	6.86	ASHLAND CO.	
TOTAL 0010				6.86		

SPECIAL(07. SEALING ASPHALTIC PAVEMENT CRACKS, USH 8, POPLAR ST-ALMENA)						
CAT	STATION TO STATION	ROUTE	LIMITS	SPV.0125 (07) MI	REMARKS	
0010	1336+55 - 1595+27	USH 8	POPLAR ST-ALMENA	4.99	BARRON CO.	
TOTAL 0010				4.99		

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SPECIAL(08. SEALING ASPHALTIC PAVEMENT CRACKS, STH 48, USH 63 - USH 63)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (08) MI	REMARKS
0010	100+00.0	-	154+91.2	STH 48	USH 63-USH 63	1.04	BARRON CO.
					TOTAL 0010	1.04	
SPECIAL(10. SEALING ASPHALTIC PAVEMENT CRACKS, USH 63, USH 8 - STH 48)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (10) MI	REMARKS
0010	100+00	-	677+63.2	USH 63	USH 8-STH 25	10.94	BARRON CO.
					TOTAL 0010	10.94	
SPECIAL(12. SEALING ASPHALTIC PAVEMENT CRACKS, USH 63,SCL-CTH M)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (12) MI	REMARKS
0010	100+00	-	213+31.2	USH 63	SCL-CTH M	4.04	BAYFIELD CO.
					TOTAL 0010	4.04	
SPECIAL(14. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, SCL-CTH B)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (14) MI	REMARKS
0010	409+90	-	626+38	STH 35	SCL-CTH B	4.10	BURNETT CO.
					TOTAL 0010	4.10	
SPECIAL(16. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, S SHORE DR-CTH X)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (16) MI	REMARKS
0010	652+78	-	966+41.2	STH 35	S SHORE DR-CTH X	5.94	BURNETT CO.
					TOTAL 0010	5.94	

SPECIAL(09. SEALING ASPHALTIC PAVEMENT CRACKS, STH 48, USH 63 - STH 25)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (09) MI	REMARKS
0010	154+91.2	-	636+44.8	USH 63	USH 63-STH 25	9.12	BARRON CO.
					TOTAL 0010	9.12	

SPECIAL(11. SEALING ASPHALTIC PAVEMENT CRACKS, USH 63, STH 48-CTH B)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (11) MI	REMARKS
0010	100+00	-	199+26.4	USH 63	STH 48-CTH B	1.88	BARRON CO.
					TOTAL 0010	1.88	

SPECIAL(13. SEALING ASPHALTIC PAVEMENT CRACKS, USH 63, CTH N-BIBBON CK BRG)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (13) MI	REMARKS
0010	476+10	-	1135+04.4	USH 63	CTH N-BIBBON CK BRG	12.48	BAYFIELD CO.
					TOTAL 0010	12.48	

SPECIAL(15. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, CTH B-S SHORE DR)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (15) MI	REMARKS
0010	626+38	-	652+78	STH 35	CTH B- S SHORE DR	0.50	BURNETT CO.
					TOTAL 0010	0.50	

SPECIAL(17. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, YELLOW R BRG-STH 77)							
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (17) MI	REMARKS
0010	1291+32	-	1415+92.4	STH 35	YELLOW R BRG-STH 77	2.36	BURNETT CO.
					TOTAL 0010	2.36	

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SPECIAL(18. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, STH 77-NCL)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (18) MI	REMARKS
0010	1415+92	-	2129+25.1	STH 35	STH 77-NCL	13.51	BURNETT CO.
TOTAL 0010						13.51	

SPECIAL(20. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, SCL-TAMARACK R)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (20) MI	REMARKS
0010	09+84.5	-	522+00.5	STH 35	SCL-TAMARACK R	9.70	DOUGLAS CO.
TOTAL 0010						9.70	

SPECIAL(22. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, TOWER FIRE LN-CTH B)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (22) MI	REMARKS
0010	908+50.1	-	1554+24.1	STH 35	TOWER FIRE LN-CTH B	12.23	DOUGLAS CO.
TOTAL 0010						12.23	

SPECIAL(24. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, POLK ST-NCL)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (24) MI	REMARKS
0010	233+49.7	-	536+04.1	STH 35	POLK ST-NCL	5.73	POLK CO.
TOTAL 0010						5.73	

SPECIAL(26. SEALING ASPHALTIC PAVEMENT CRACKS, STH 48, BASS LK LN- ECL)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (26) MI	REMARKS
0010	100+00	-	419+96.8	STH 48	BASS LK LN- ECL	6.06	POLK CO.
TOTAL 0010						6.06	

SPECIAL(19. SEALING ASPHALTIC PAVEMENT CRACKS, STH 13, CTH H-CTH F)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (19) MI	REMARKS
0010	471+34	-	950+76.4	STH 13	CTH H-CTH F	9.08	DOUGLAS CO.
TOTAL 0010						9.08	

SPECIAL(21. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, TAMARACK R-TOWER FIRE LN)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (21) MI	REMARKS
0010	522+00.5	-	908+50.1	STH 35	TAMARACK R-TOWER FIRE LN	7.32	DOUGLAS CO.
TOTAL 0010						7.32	

SPECIAL(23. SEALING ASPHALTIC PAVEMENT CRACKS, STH 35, CTH B-64 ST)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (23) MI	REMARKS
0010	554+24.5	-	2029+97.1	STH 35	CTH B-64 ST	9.01	DOUGLAS CO.
TOTAL 0010						9.01	

SPECIAL(25. SEALING ASPHALTIC PAVEMENT CRACKS, STH 48, GRIFFIN ST- WI AVE)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (25) MI	REMARKS
0010	100+00	-	176+03.2	STH 46	GRIFFIN ST- WI AVE	1.44	POLK CO.
TOTAL 0010						1.44	

SPECIAL(27. SEALING ASPHALTIC PAVEMENT CRACKS, USH 63, SCL- CTH J)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (27) MI	REMARKS
0010	100+00	-	543+52	USH 63	SCL - CTH J	8.40	POLK CO.
TOTAL 0010						8.40	

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SPECIAL(28. SEALING ASPHALTIC PAVEMENT CRACKS, STH 27, SCL- USH 8)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (28) MI	REMARKS
0010	100+00	-	379+84	STH 27	SCL - UAH 8	11.98	RUSK CO.
TOTAL 0010						11.98	

SPECIAL(30. SEALING ASPHALTIC PAVEMENT CRACKS, STH 27, SCL- BRUNET R BRG)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (30) MI	REMARKS
0010	597+61.8	-	913+41.2	STH 27	SCL- BRUNET R BRG	5.98	SAWYER CO.
TOTAL 0010						5.98	

SPECIAL(32. SEALING ASPHALTIC PAVEMENT CRACKS, STH 27, STH 70 - STH 40)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (32) MI	REMARKS
0010	011+20	-	301+60	STH 27	STH 70 -STH 40	5.50	SAWYER CO.
TOTAL 0010						5.50	

SPECIAL(34. SEALING ASPHALTIC PAVEMENT CRACKS, STH 70, WCL - USH 63)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (34) MI	REMARKS
0010	19+23.49	-	389+89.1	STH 70	WCL - USH 63	7.02	WASHBURN CO.
TOTAL 0010						7.02	

SPECIAL(36. SEALING ASPHALTIC PAVEMENT CRACKS, STH 70, USH 53- CTH M)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (36) MI	REMARKS
0010	485+98.7	-	828+13	STH 70	USH 53 - CTH M (NORTH)	6.48	WASHBURN CO.
TOTAL 0010						6.48	

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SPECIAL(29. SEALING ASPHALTIC PAVEMENT CRACKS, STH 27, FLAMBEAU AVE- NCL)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (29) MI	REMARKS
0010	453+52.0	-	1032+73.1	STH 27	FLAMBEAU AVE- NCL	10.97	RUSK CO.
TOTAL 0010						10.97	

SPECIAL(31. SEALING ASPHALTIC PAVEMENT CRACKS, STH 27, BRUNET R BRG- STH 70)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (31) MI	REMARKS
0010	913+41.2	-	1177+94	STH 27	BRUNET R BRG- STH 70	5.01	SAWYER CO.
TOTAL 0010						5.01	

SPECIAL(33. SEALING ASPHALTIC PAVEMENT CRACKS, STH 70, WCL - STH 27)

CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (33) MI	REMARKS
0010	100+00	-	239+39	STH 70	WCL - STH 27	2.64	SAWYER CO.
TOTAL 0010						2.64	

SPECIAL(35. SEALING ASPHALTIC PAVEMENT CRACKS, STH 70, USH 63-USH 53)

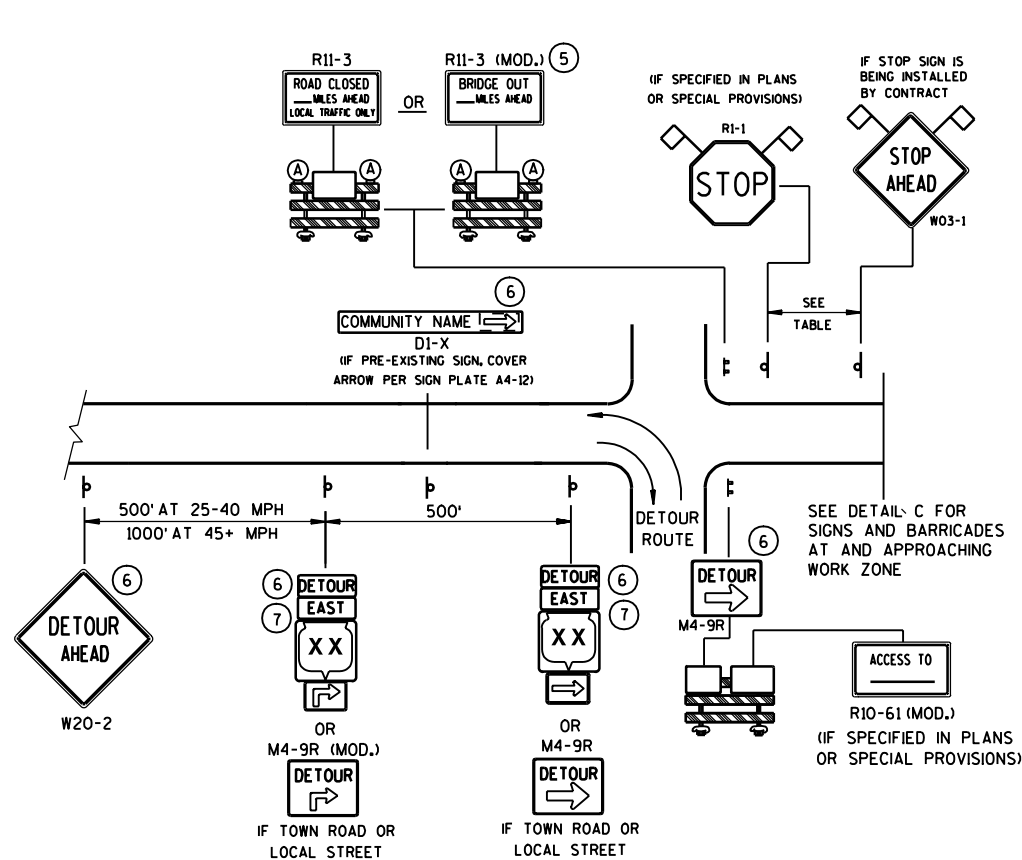
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (35) MI	REMARKS
0010	389+89.1	-	485+98.7	STH 70	USH 63 - USH 53	1.82	WASHBURN CO.
TOTAL 0010						1.82	

SPECIAL(37. SEALING ASPHALTIC PAVEMENT CRACKS, STH 70, CTH B - ECL)

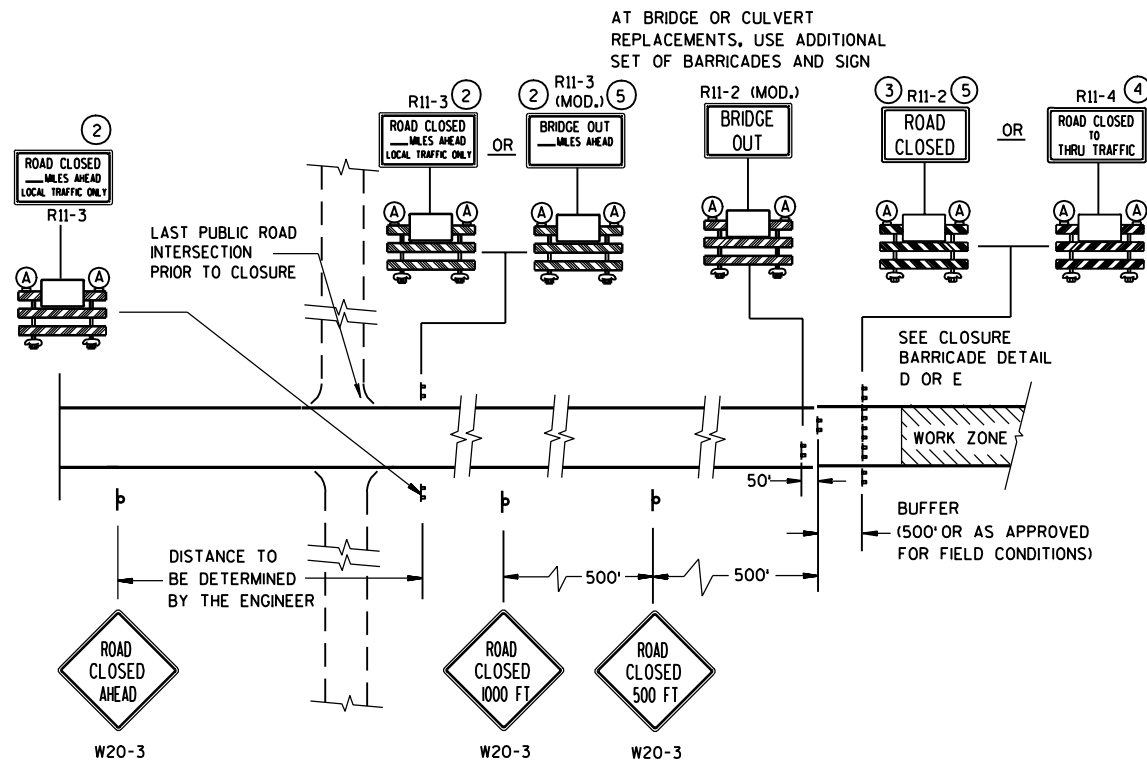
CAT	STATION	TO	STATION	ROUTE	LIMITS	SPV.0125 (37) MI	REMARKS
0010	100+00	-	379+84	STH 70	CTH B - ECL	5.30	WASHBURN CO.
TOTAL 0010						5.30	

Standard Detail Drawing List

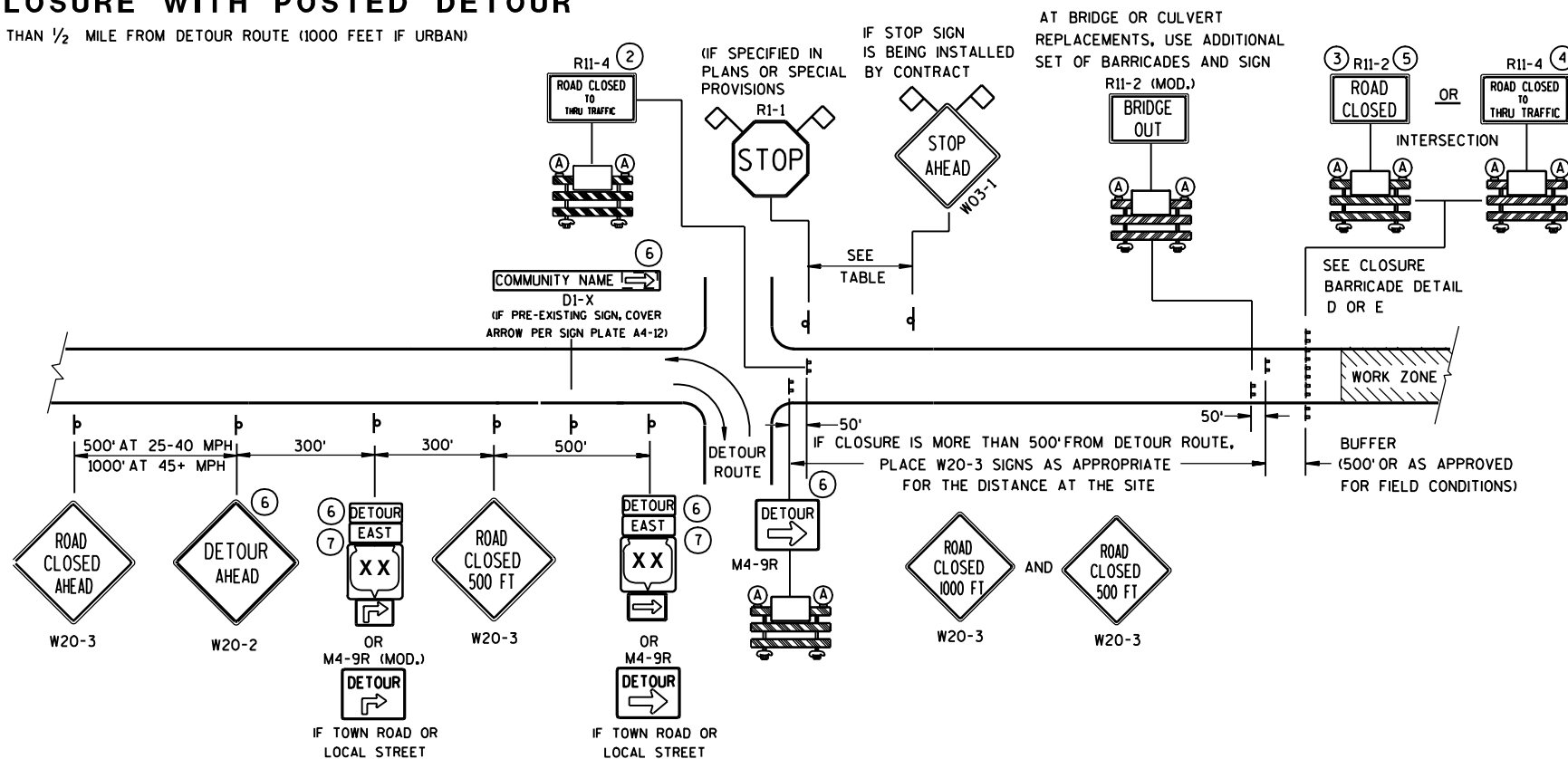
15C2-4A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C2-4B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C2-4C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C8-15A	PAVEMENT MARKING (MAINLINE)
15C12-3	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-1A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE GREATER THAN 1/2 MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE LESS THAN 1/2 MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

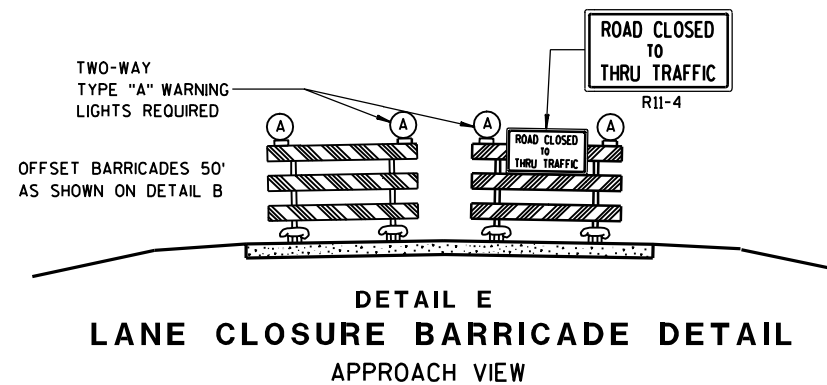
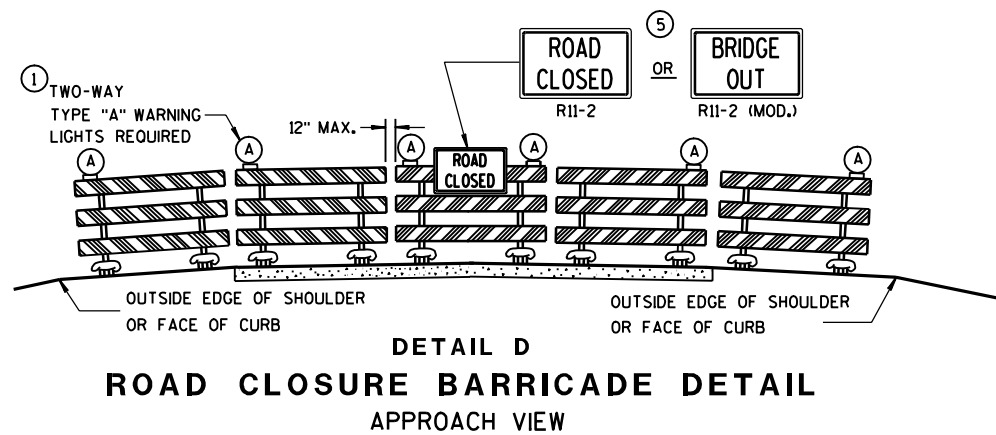
SEE SDD 15C2-4b
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- POST MOUNTED SIGN
- TYPE III BARRICADES
- TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK ZONE
- DETOUR EAST M4-8 M3-X
- MI-4 OR MI-5A OR MI-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

**BARRICADES AND SIGNS
FOR
MAINLINE CLOSURES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



SEE SDD 15C2-4a FOR LEGEND

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3, R11-4, R10-61 AND R1-1 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30".

R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".

M4-9 SHALL BE 30" X 24".

M3-X AND M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)

M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)

M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)

D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

R1-1 SHALL BE 36" X 36".

- 1 TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).
- 2 THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- 3 FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- 4 FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- 5 FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- 6 INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- 7 "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

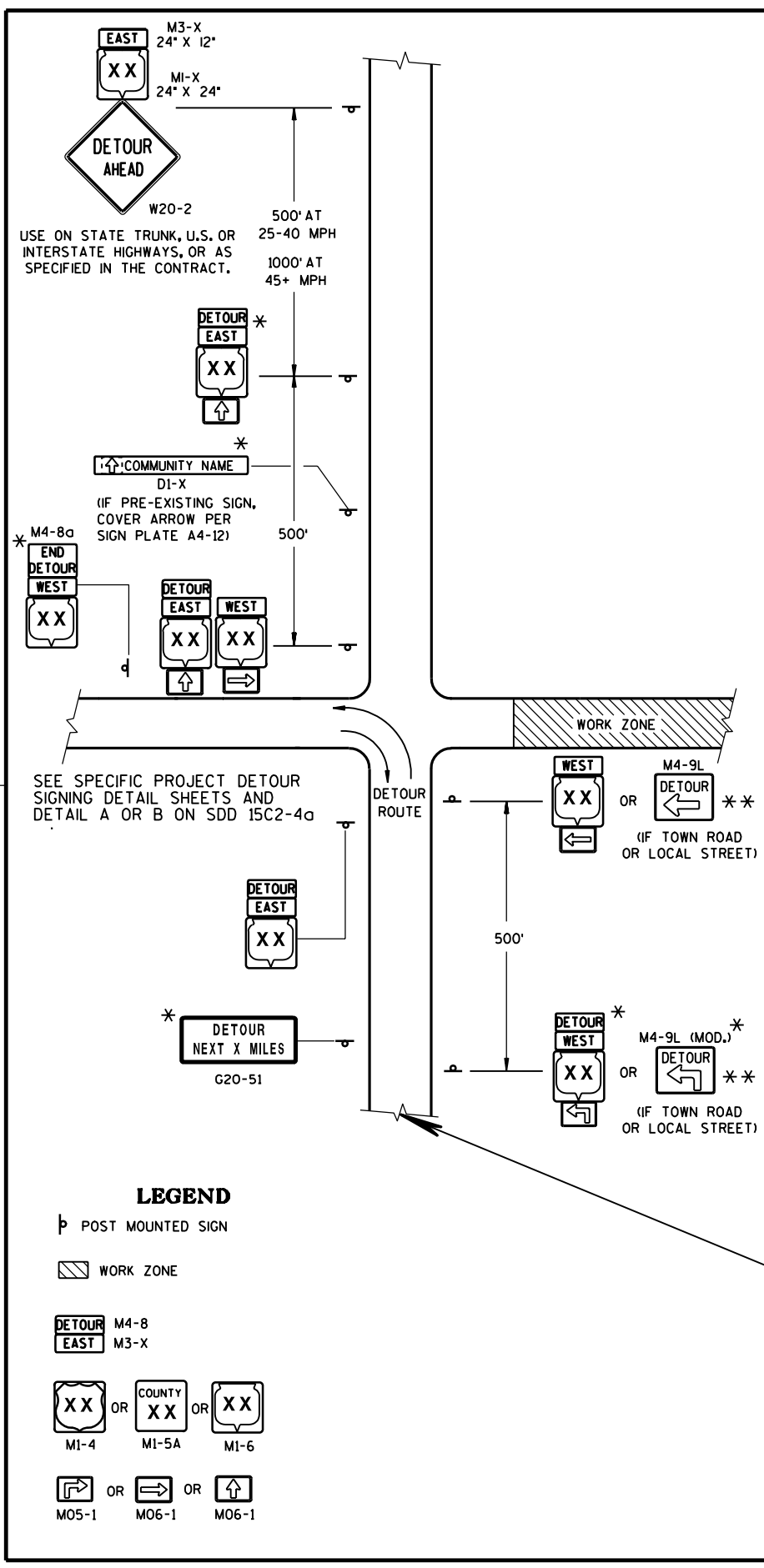
APPROVED

9/16/03

DATE

Thomas N. Nottelmann for
CHIEF SIGNS AND MARKING ENGINEER

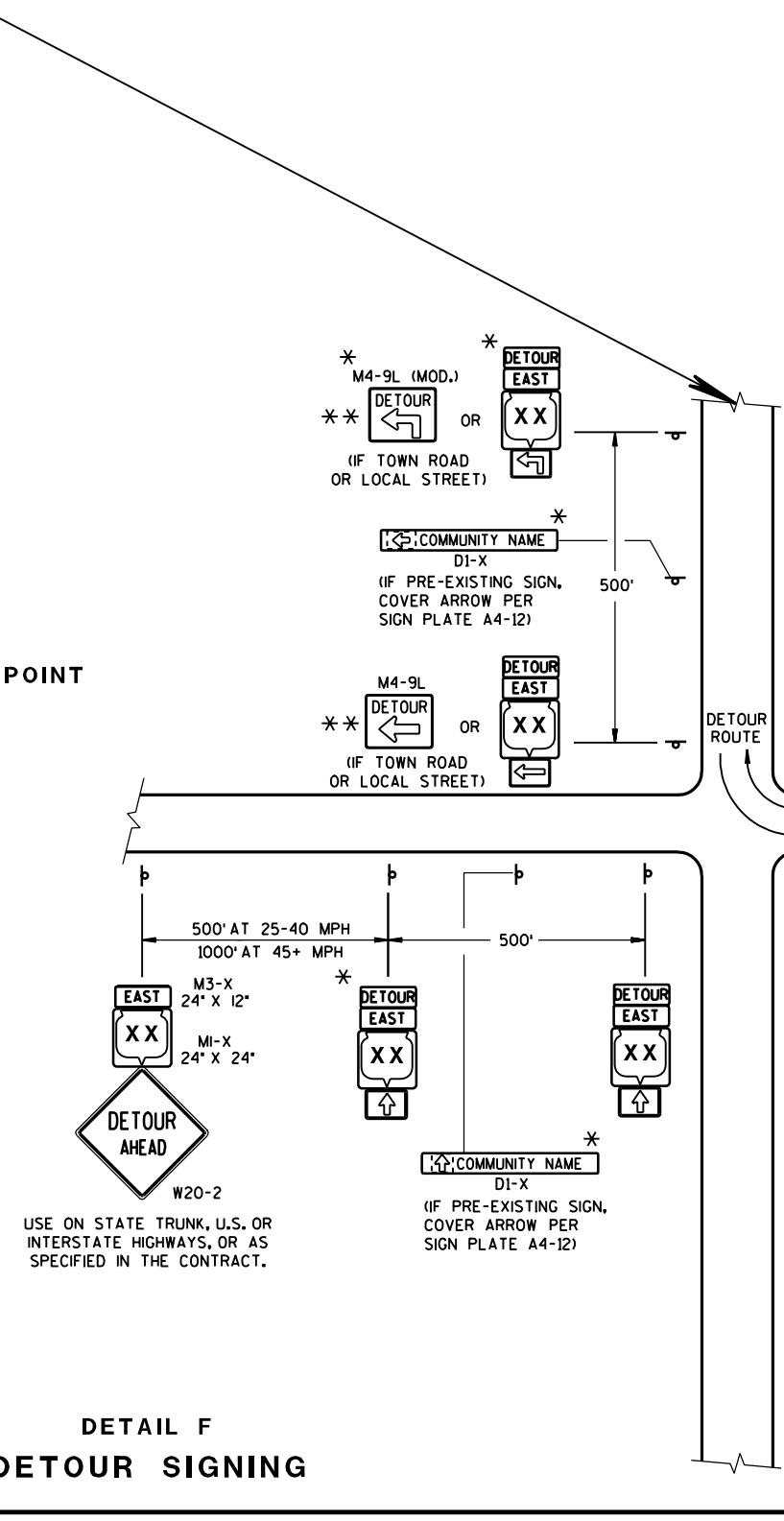
FHWA



THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

MATCH POINT

DETAIL F
DETOUR SIGNING



GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

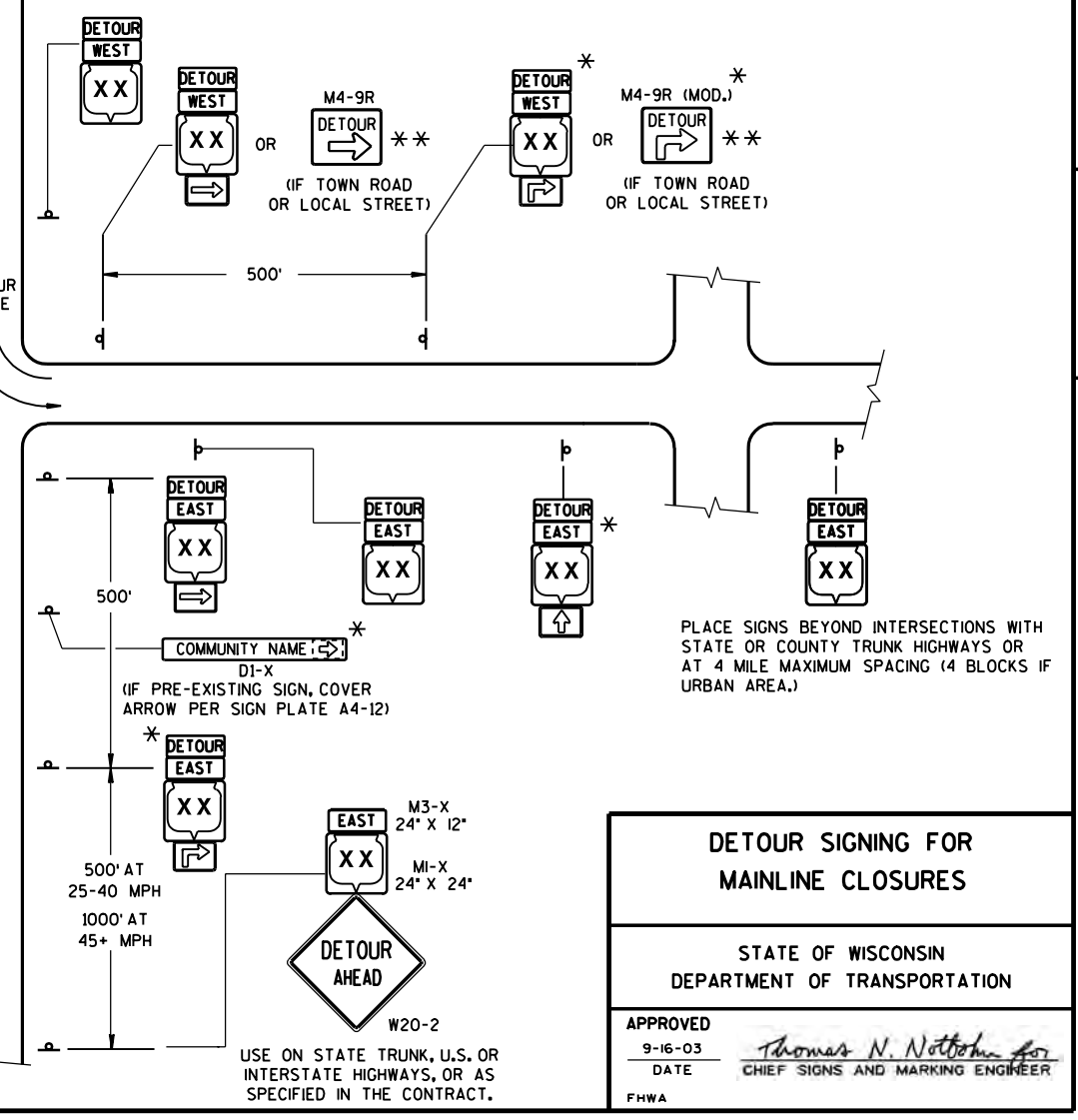
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

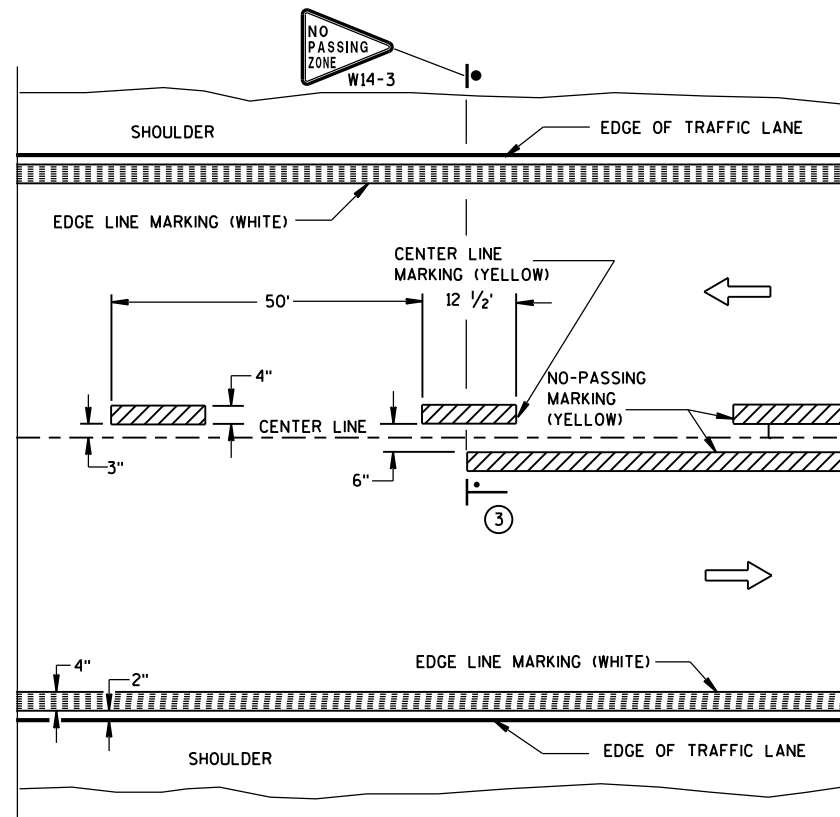
M3-X AND M4-8 SHALL BE 24" X 12", (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
MI-4, MI-5A, AND MI-6 SHALL BE 24" X 24", (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
M05-1 AND M06-1 SHALL BE 21" X 21", (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
M4-9 SHALL BE 30" X 24".
M4-8a SHALL BE 24" X 18".
G20-51 SHALL BE 60" X 24".
W20-2 SHALL BE 48" X 48".
DI-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

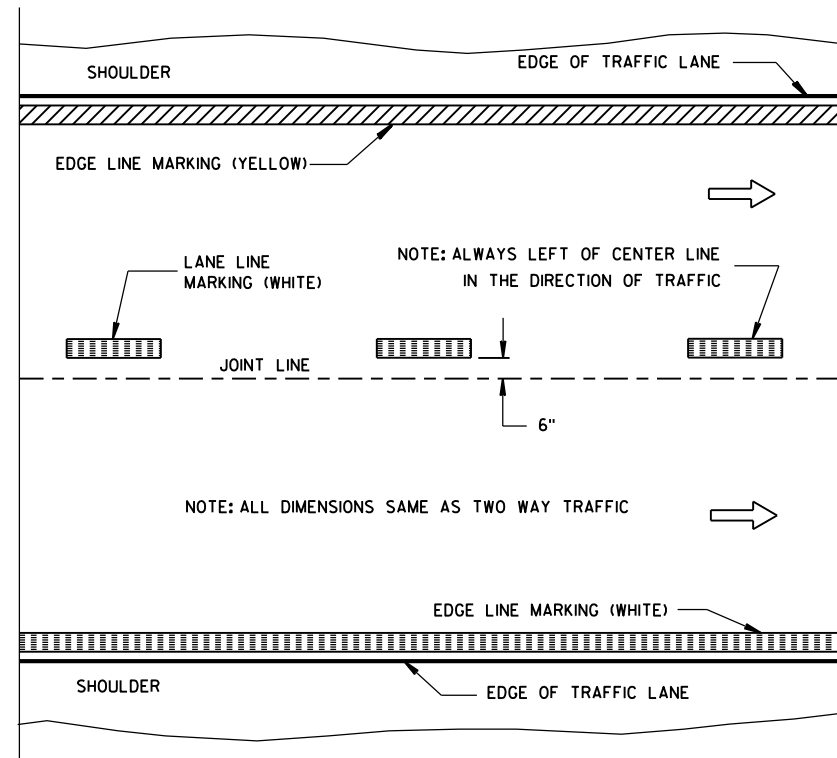
** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



DETOUR SIGNING FOR MAINLINE CLOSURES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 9-16-03 DATE	Thomas N. Nottbohm for CHIEF SIGNS AND MARKING ENGINEER FHWA

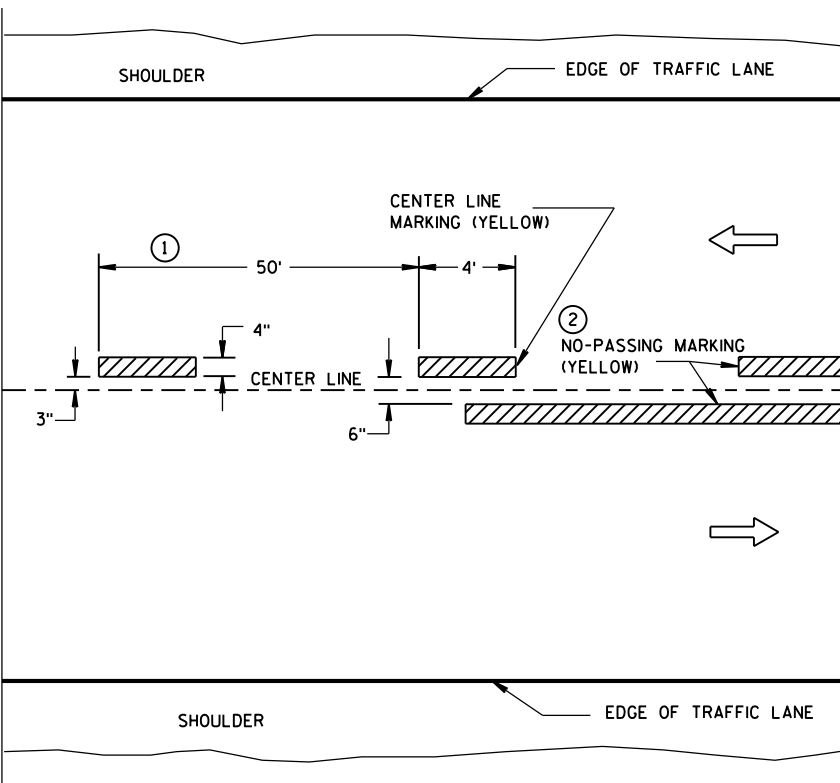


TWO WAY TRAFFIC

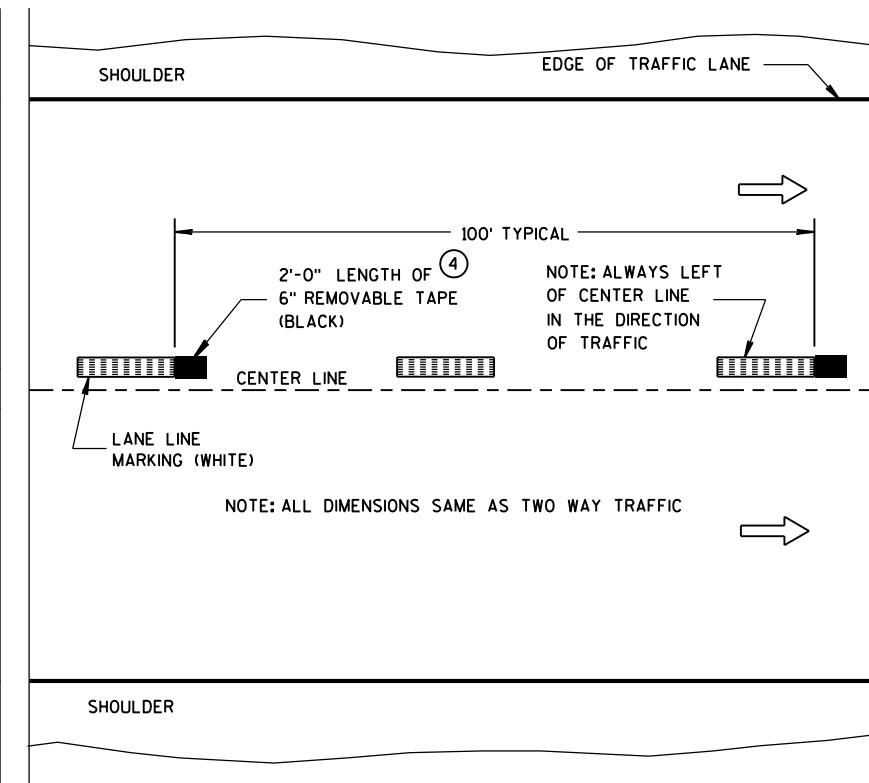


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

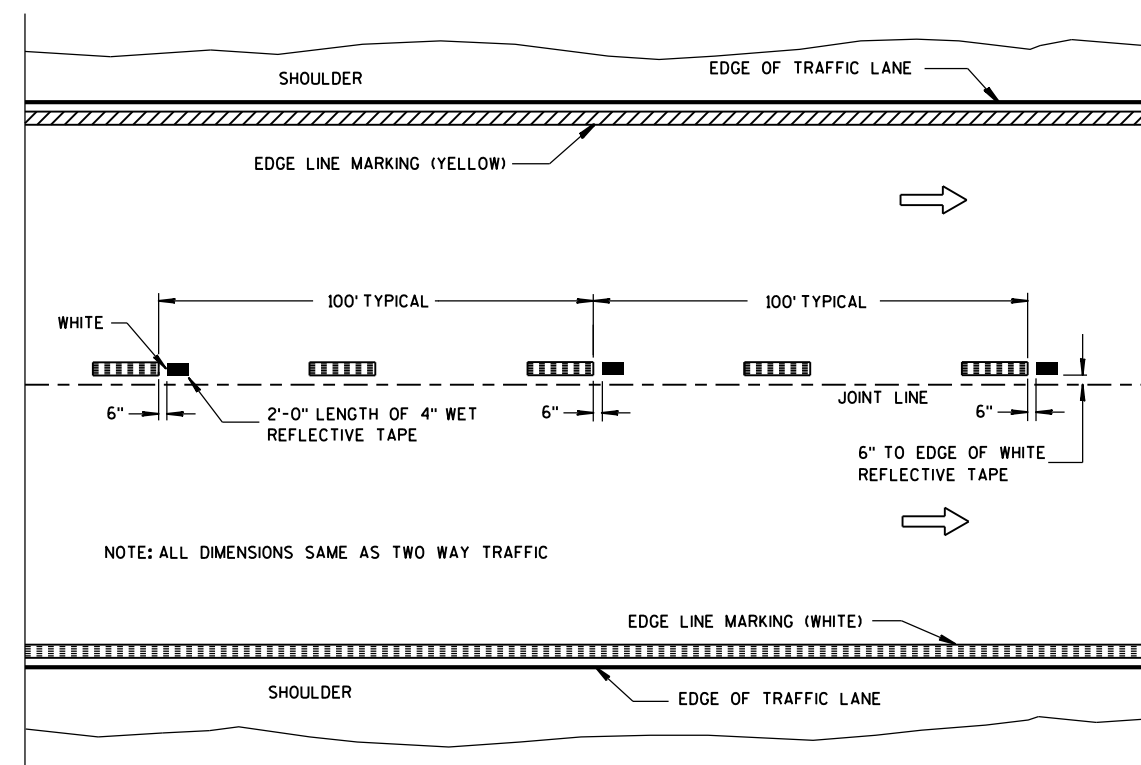
GENERAL NOTES

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
10-1-2012 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

TWO-LANE ROADWAY

SYMBOLS



WORK AREA



FLAGGER, EQUIPPED WITH STOP/SLOW
PADDLE FASTENED ON SUPPORT STAFF

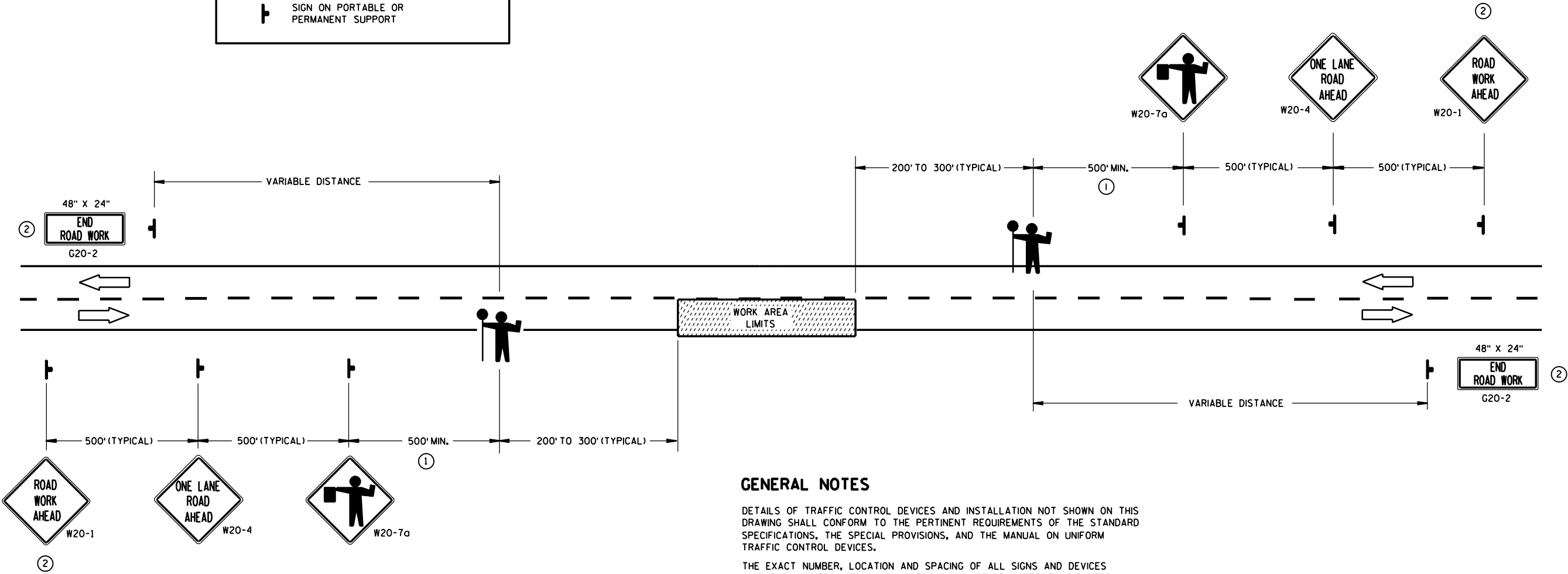


SIGN ON PORTABLE OR
PERMANENT SUPPORT



W3-4

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, THE "FLAGGER AHEAD", THE "ROAD WORK AHEAD" AND THE ONE LANE ROAD AHEAD" SIGNS SHALL BE COVERED OR REMOVED AND THE HIGHWAY RESTORED TO NORMAL OPERATION.

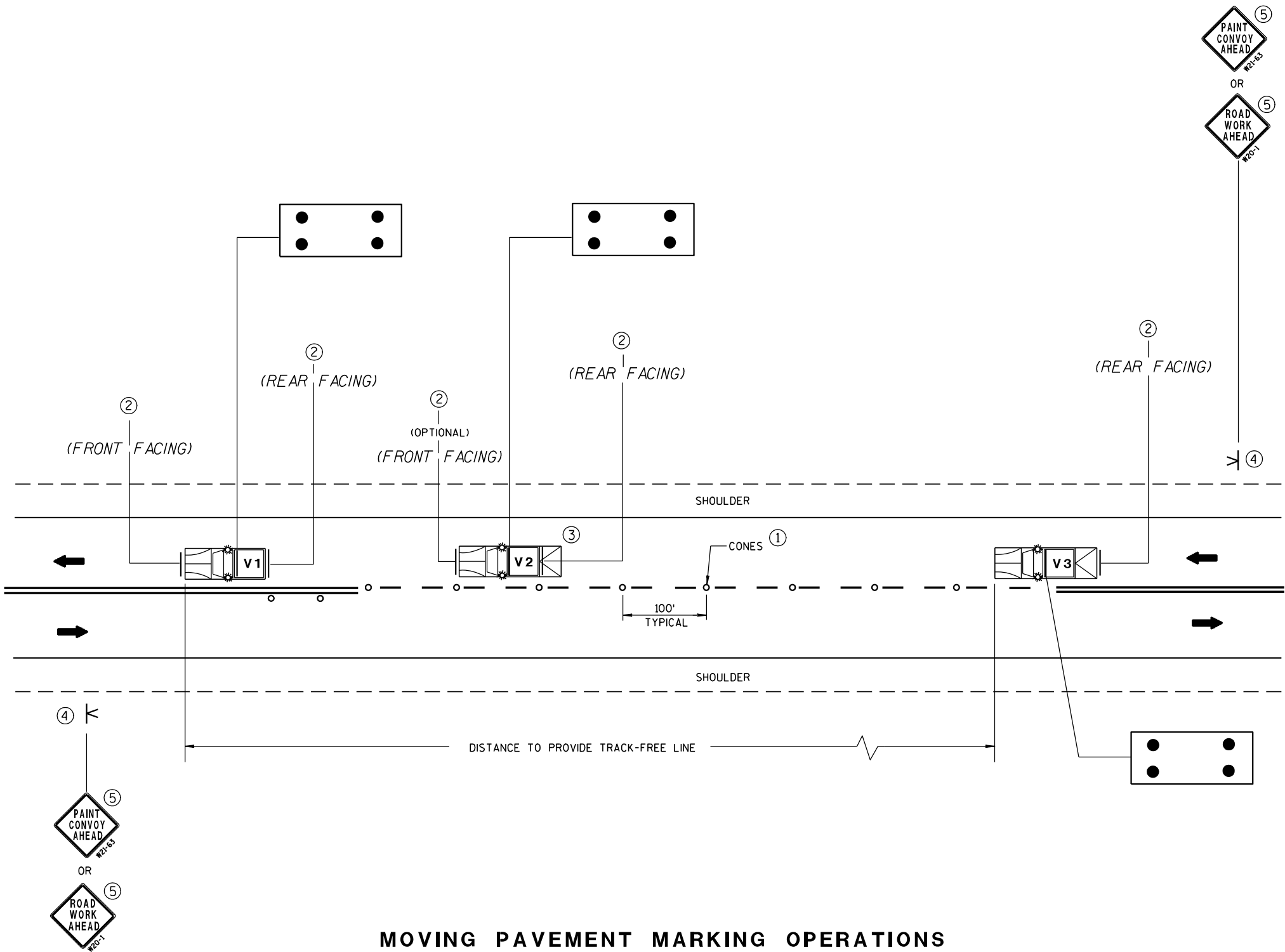
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

- 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
9/5/06 /S/ Thomas N. Notbohm
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.

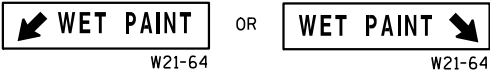
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

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 (OPTIONAL)

V3 TRAIL VEHICLE WITH TMA

TMA TRUCK-MOUNTED ATTENUATOR

SIGN ON PORTABLE SUPPORT

DIRECTION OF TRAVEL

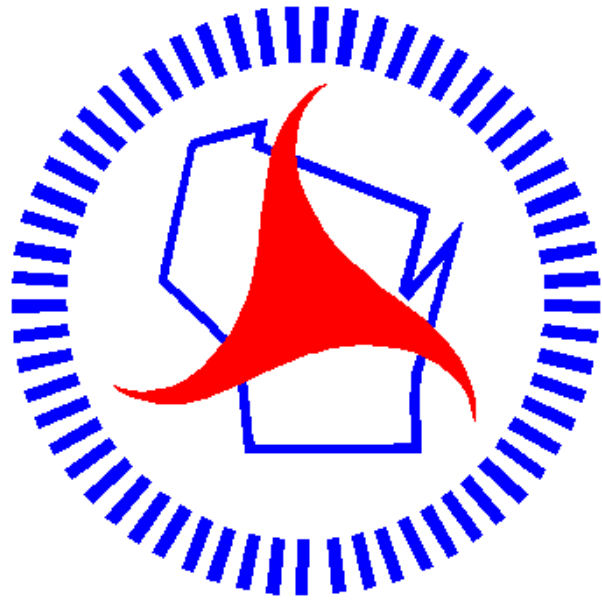
CONES

FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING
OPERATION
TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/6/2011 /S/ Thomas N. Notbohm
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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