GRE

MAY 2014

PROJECT ID: 4140-20-72/4140-27-60

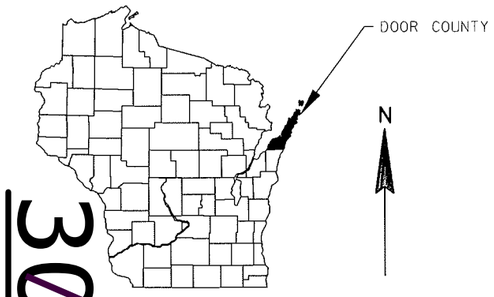
WITH: N/A

COUNTY: DOOR

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscelloneous Quantities
~~Section No.~~	~~4~~	~~Right of Way Plat~~
~~Section No.~~	~~5~~	~~Plan and Profile~~
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
~~Section No.~~	~~8~~	~~Structure Plans~~
~~Section No.~~	~~9~~	~~Computer Earthwork Data~~
Section No.	9	Cross Sections

TOTAL SHEETS = 186



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

GREEN BAY ROAD,
CITY OF STURGEON BAY

(CTH MM - E. JORNS LANE)

STH 42/57

DOOR COUNTY

STATE PROJECT NUMBER	STATE PROJECT NUMBER
4140-20-72	4140-27-60

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4140-20-72	WISC 2014196	1
4140-27-60	----------	---
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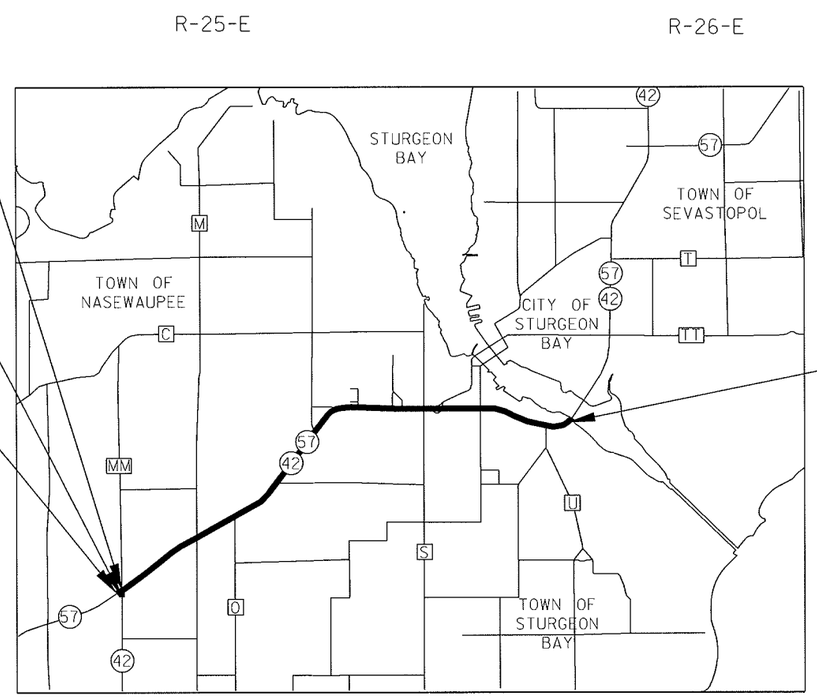
DESIGN DESIGNATION

A.A.D.T. (2008)	=	12,500
A.A.D.T. (2035)	=	21,025
D.H.V.	=	--
D.D.	=	60/40
T.	=	5.6%
DESIGN SPEED	=	VARIES 45 MPH - 60 MPH
ESALS	=	3,569,700

END PROJECT
(ID 4140-20-72)
STA. 1021+30

BEGIN PROJECT
(ID 4140-20-72)
STA. 1016+21.76
Y=140213.8193
X=467321.0083

BEGIN PROJECT
(ID 4140-27-60)
STA. 12+95.00
Y=140000.5569
X=466112.9465



END PROJECT
(ID 4140-27-60)
STA. 396+00

CONVENTIONAL SYMBOLS

PLAN	PROFILE
CORPORATE LIMITS	GRADE LINE
PROPERTY LINE	ORIGINAL GROUND
LOT LINE	MARSH OR ROCK PROFILE (To be noted as such)
LIMITED HIGHWAY EASEMENT	SPECIAL DITCH
EXISTING RIGHT OF WAY	GRADE ELEVATION
PROPOSED OR NEW R/W LINE	CULVERT (Profile View)
SLOPE INTERCEPT	UTILITIES
REFERENCE LINE	ELECTRIC
EXISTING CULVERT	FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	GAS
COMBUSTIBLE FLUIDS	SANITARY SEWER
MARSH AREA	STORM SEWER
WOODED OR SHRUB AREA	TELEPHONE
	WATER
	UTILITY PEDESTAL
	POWER POLE
	TELEPHONE POLE

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.096 MI. (ID 4140-20-72)
TOTAL NET LENGTH OF CENTERLINE = 7.255 MI. (ID 4140-27-60)

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DOOR COUNTY, NAD1983 (1991)

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ORIGINAL PLANS PREPARED BY:

exp U.S. Services Inc.
t: +1.414.221.0088 | f: +1.414.221.0537
241 North Broadway, Suite 203
Milwaukee, WI 53202
U.S.A
www.exp.com

WISCONSIN
THOMAS D. BOYKE
39371-6
WEST ALLIS, WI
PROFESSIONAL ENGINEER
• BUILDINGS • EARTH & ENVIRONMENT • ENERGY • INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

1/31/14 (Date)

(Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WisDOT / QUEST
Designer	exp US Services, Inc.
Project Manager	Paul Zoellner, P.E.
Regional Examiner	
Regional Supervisor	
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: 1-31-14 (Signature)

E

2

UTILITY CONTACT LIST

KARI JENSEN
AT&T WISCONSIN - COMMUNICATION LINE
205 SOUTH JEFFERSON STREET
GREEN BAY, WI 54301
PHONE: (920) 433-4112
EMAIL: kj2897@att.com

MIKE OLSEN
ATC MANAGEMENT, INC. - ELECTRICITY
801 O'KEEFE RD.
P.O. BOX 6113
DE PERE, WI 54115-6113
PHONE: (920) 338-6582
EMAIL: molsen@atcllc.com

ROSS HARTWIG
CENTURYTEL, INC. - COMMUNICATION LINE
144 N. PEARL ST.
P.O. BOX 70
BERLIN, WI 54923
PHONE: (920) 361-8425
EMAIL: ross.hartwig@centurytel.com

NICK FRASE
CHARTER COMMUNICATIONS - COMMUNICATION LINE
3315 LINCOLN AVENUE
TWO RIVERS, WI 54241
PHONE: (920) 263-0100
EMAIL: nick.frase@charter.com

DENNIS LAFAVE
NET LEC LLC - COMMUNICATION LINE
1700 INDUSTRIAL DRIVE
GREEN BAY, WI 54302
PHONE: (920) 619-9774
EMAIL: dlafave@wi-tech.us

JASON BIERI
STURGEON BAY UTILITIES - ELECTRICITY
230 E VINE STREET
P.O. BOX 27
STURGEON BAY, WI 54235-2039
PHONE: (920) 746-2820
EMAIL: jbieri@wppienergy.org

CLIFF WHITE
STURGEON BAY UTILITIES - SEWER
230 E VINE STREET
P.O. BOX 27
STURGEON BAY, WI 54235-2039
PHONE: (920) 746-2820
EMAIL: cwhite@wppienergy.org

CLIFF WHITE
STURGEON BAY UTILITIES - WATER
230 E VINE STREET
P.O. BOX 27
STURGEON BAY, WI 54235-2039
PHONE: (920) 746-2820
EMAIL: cwhite@wppienergy.org

JEFF PELISCHEK
WISCONSIN PUBLIC SERVICE CORP. - ELECTRICITY
800 COLUMBUS STREET
TWO RIVERS, WI 54241
PHONE: (920) 687-1816
EMAIL: jspelischek@wisconsinpublicservice.com

JERRY PEOT
WISCONSIN PUBLIC SERVICE CORP. - GAS/PETROLEUM
800 COLUMBUS STREET
TWO RIVERS, WI 54241
PHONE: (920) 657-1815
EMAIL: gjpeot@wisconsinpublicservice.com

PROJECT CONTACTS

JIM DOPERALSKI JR.
WISCONSIN DEPT. OF NATURAL RESOURCES
2984 SHAWANO AVENUE
GREEN BAY, WI 54313-6727
PHONE: (920) 746-2822

ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAIL
PAVEMENT JOINTS
PAVEMENT GRADES
REMOVAL PLAN
EROSION CONTROL
STORM SEWER PLAN
PERMANENT SIGNING
PAVEMENT MARKING
CONSTRUCTION STAGING
ALIGNMENT DETAIL

GENERAL NOTES

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND ALL UTILITIES IN THE VICINITY OF THE PROJECT TO LOCATE THEIR FACILITIES AT LEAST THREE DAYS PRIOR TO BEGINNING OF WORK.

THE LOCATIONS OF EROSION CONTROL ITEMS SHALL BE DETERMINED BY THE ENGINEER. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURES NO LONGER NECESSARY.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITION AS DIRECTED BY THE ENGINEER.

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS INDICATED FOR REMOVAL BY THE ENGINEER.

LANDSCAPE ALL TOPSOILED AREAS AS THE PLANS SHOW OR THE ENGINEER DIRECTS WITHIN FIVE CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL.

TINING ON CONCRETE PAVEMENT SHALL MATCH EXISTING PAVEMENT TINING ADJACENT TO REPAIR.

DISTANCES SHOWN FOR CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DOOR COUNTY, NAD1983 (1991)

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

DIGGERS HOTLINE

Call 811 3 Work Days Before You Dig
or Toll Free (800) 242-8511
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

2

TOWN OF NASEWAUPEE

CITY OF STURGEON BAY

TOWN OF STURGEON BAY

N

SAND BAY RD

C

MM

U

S

O

IDLEWILD RD

STONE RD

PARK DR

BIG CREEK RD

N. 8TH AVE

EGG HARBOR RD

ALABAMA ST

N. 14TH AVE

N. 3RD AVE

MICHIGAN ST

N. 18TH AVE

OREGON ST

UTAH ST

W. MAPLE ST

S. COLUMBIA AVE

S. ASHLAND AVE

S. OXFORD AVE

GREEN BAY RD

STAGG RD

S. LANSING AVE

E YEW ST

S. DULUTH AVE

S. NEENAH AVE

SHILOH RD

DIVISION RD

CLAY BANKS RD

EMERALD DR

WILSON RD

Y-INN RD

FEEST RD

57

42

STRUCTURES B-15-005 & B-15-006
WORK TO BE COMPLETED AS
PART OF FUTURE PROJECT

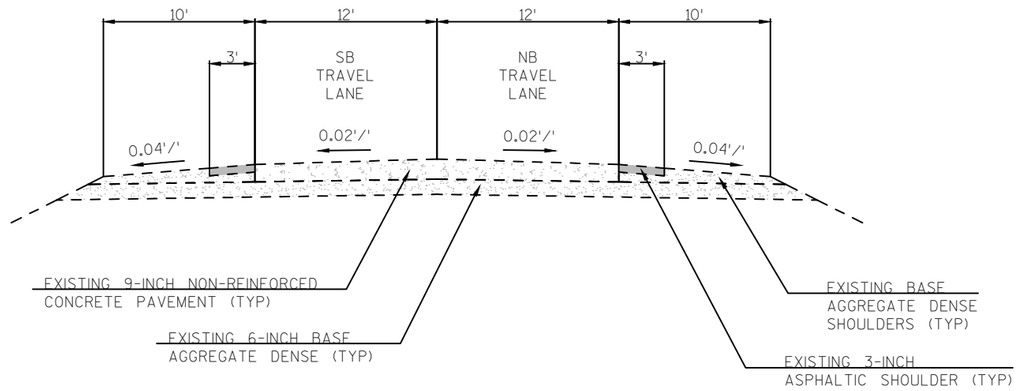
BEGIN PROJECT
STA 27+24.71
Y=140760.0425
X=467324.0808

END PROJECT
STA 396+00

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PROJECT OVERVIEW	SHEET E

FILE NAME : F:\DOC_EXP\WIS-00015717-A0\CIVIL\SHEETSPLAN\020201_PO.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : THOMAS BOYKE PLOT NAME : ----------
WISDOT/CADDS SHEET 42

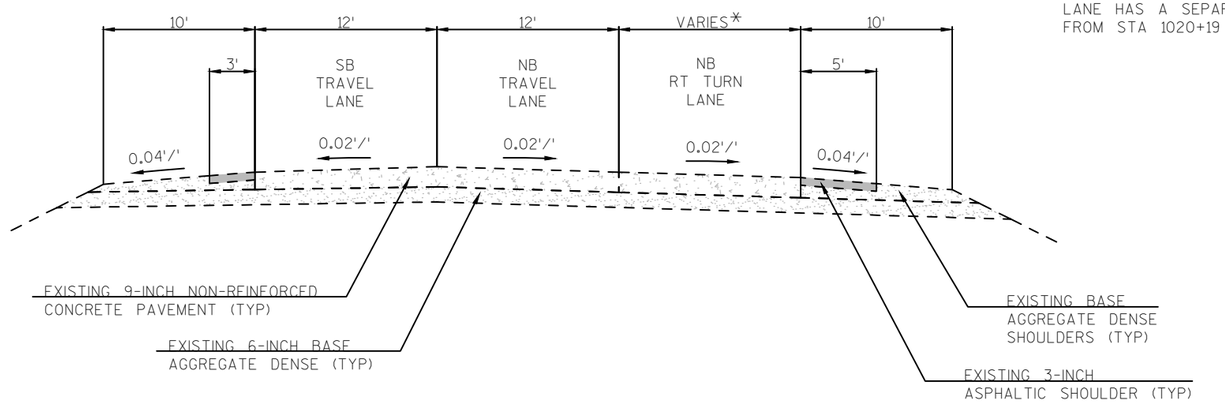
2



EXISTING TYPICAL SECTION - STH 42/CTH MM

STA. 1016+22 - STA. 1018+49

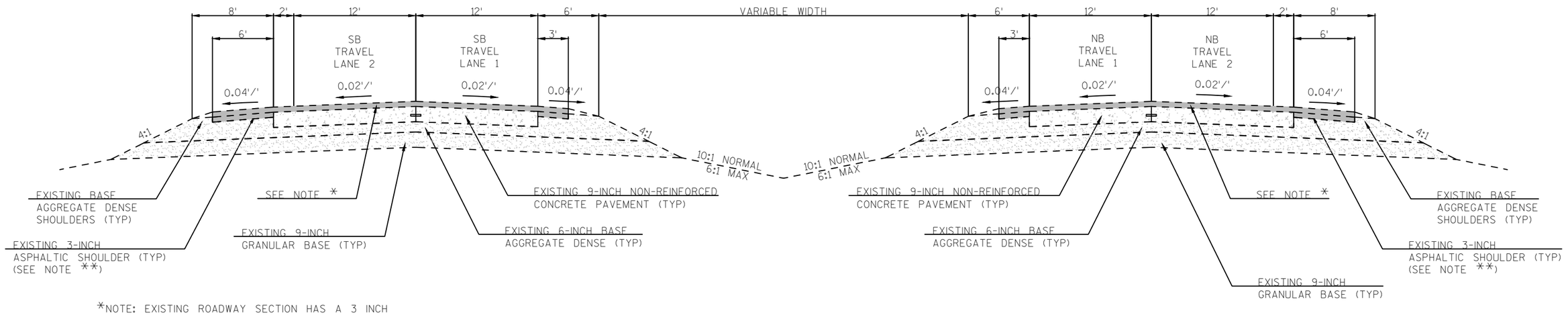
*NOTE: EXISTING NB RIGHT TURN LANE HAS A SEPARATOR ISLAND FROM STA 1020+19 TO STA 1021+30



EXISTING TYPICAL SECTION - STH 42/CTH MM

STA. 1018+49 - STA. 1021+30

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	TYPICAL SECTIONS - EXISTING	SHEET 4	E

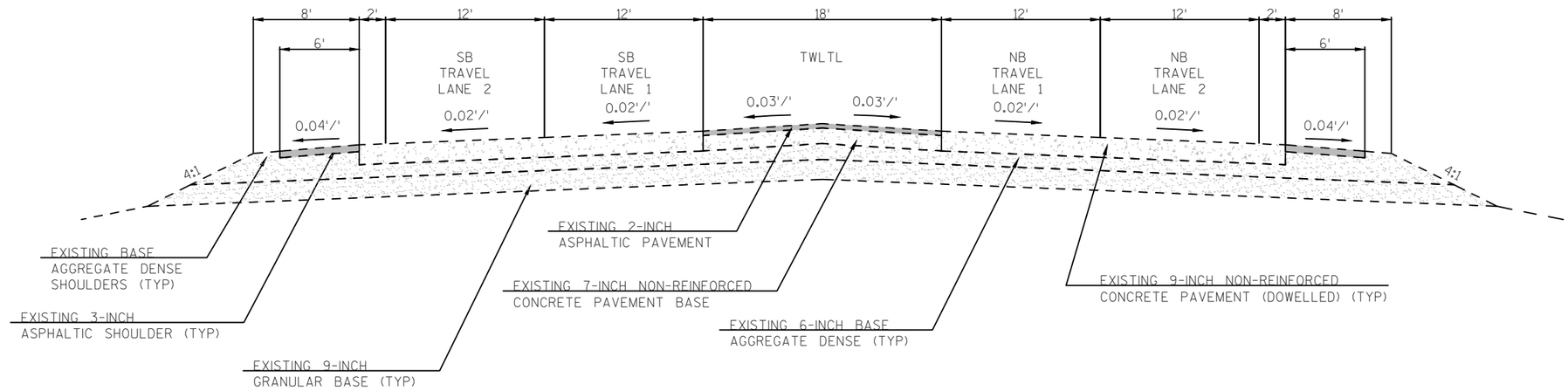


*NOTE: EXISTING ROADWAY SECTION HAS A 3 INCH ASPHALTIC OVERLAY IN THE FOLLOWING AREAS:
STA. 43+70 TO 65+00 (SOUTHBOUND LANES)
STA. 83+55 TO 134+85 (NORTHBOUND LANES)
STA. 152+95 TO 213+50 (SOUTHBOUND LANES)

**NOTE: IN SECTIONS WHERE THE ROADWAY HAS AN ASPAHLTIC OVERLAY, THE EXISTING SHOULDER IS A TOTAL OF 3 INCHES THICK.

EXISTING TYPICAL SECTION - STH 42/57

CTH MM TO ROSY LANE
STA. 40+00 - STA. 220+00

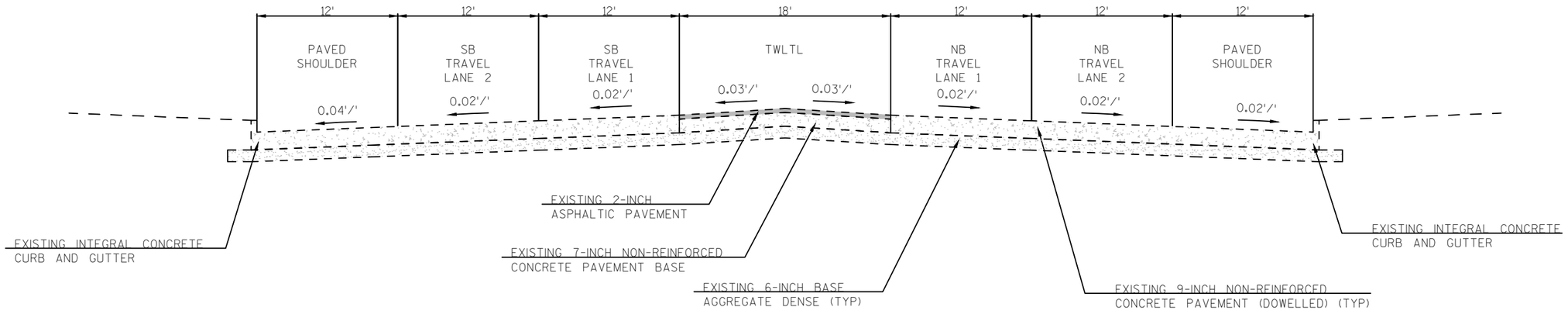


EXISTING TYPICAL SECTION - STH 42/57

ROSY LANE TO 1200' WEST OF DOUGLAS AVENUE
STA. 220+00 - STA. 250+00

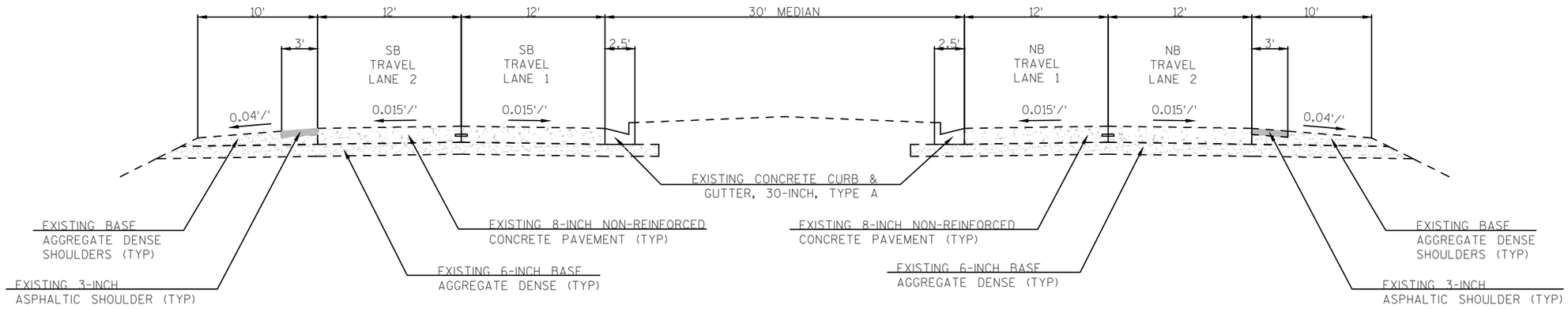
PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	TYPICAL SECTIONS - EXISTING	SHEET 5	E

2



EXISTING TYPICAL SECTION - STH 42/57

1200' WEST OF DOUGLAS AVENUE TO S. DULUTH AVENUE
STA. 250+00 - STA. 284+10



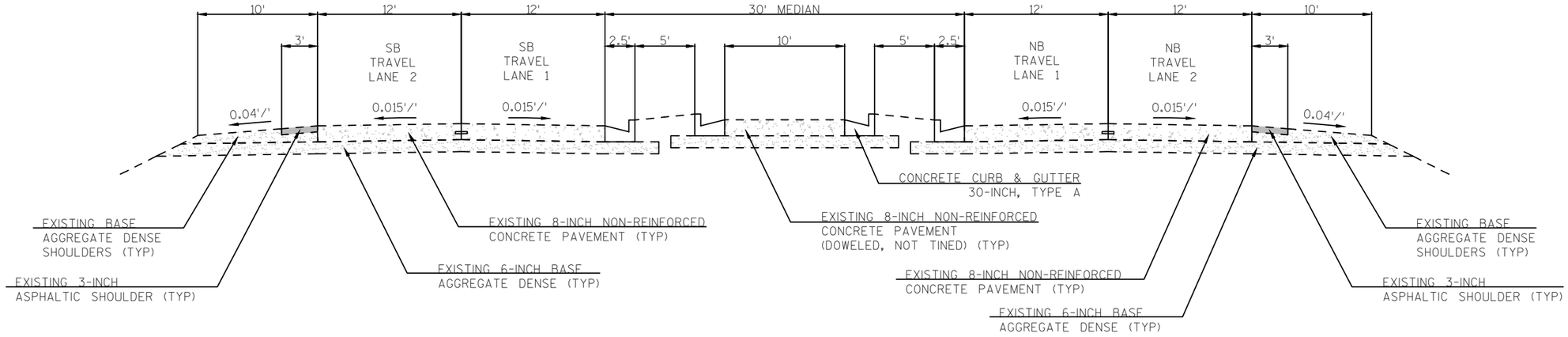
EXISTING TYPICAL SECTION - STH 42/57

S. DULUTH AVENUE TO CIRCLE RIDGE ROAD (CTH U)
STA. 284+10 - STA. 379+95

**EXCEPTIONS
STA. 311+77 - STA. 320+31 (LANSING AVENUE)
STA. 324+76 - STA. 333+73 (NEENAH AVENUE)
STA. 336+10 - STA. 344+00 (OXFORD AVE/SHILOH ROAD)
STA. 374+80 - STA. 379+95 (CIRCLE RIDGE ROAD (CTH U))

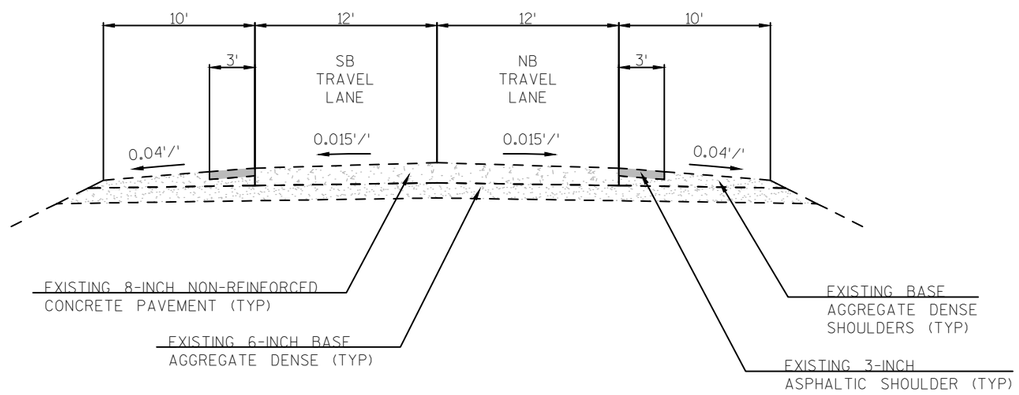
PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	TYPICAL SECTIONS - EXISTING	SHEET 6	E

2



EXISTING TYPICAL SECTION - STH 42/57 (INTERSECTIONS)

STA. 311+77 - STA. 320+31 (LANSING AVENUE)
STA. 324+76 - STA. 333+73 (NEENAH AVENUE)
STA. 336+10 - STA. 344+00 (OXFORD AVE/SHILOH ROAD)
STA. 374+80 - STA. 379+95 (CIRCLE RIDGE ROAD (CTH U))

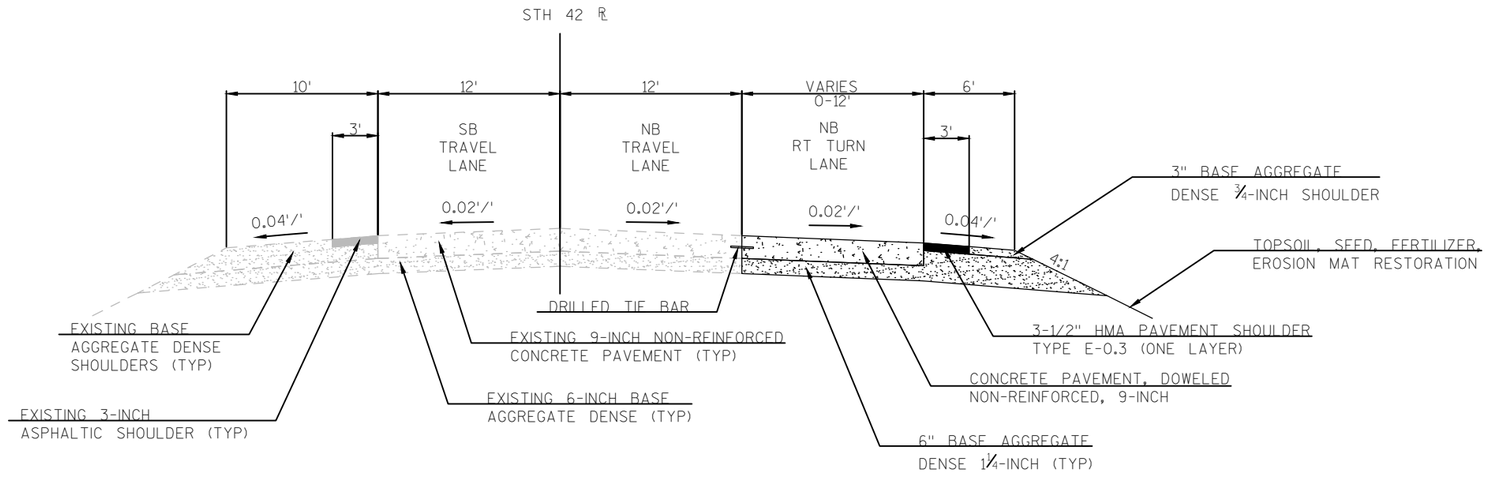


EXISTING TYPICAL SECTION - STH 42/57

CIRCLE RIDGE ROAD (CTH U) TO BAY VIEW BRIDGE
STA. 379+95 - STA. 396+00

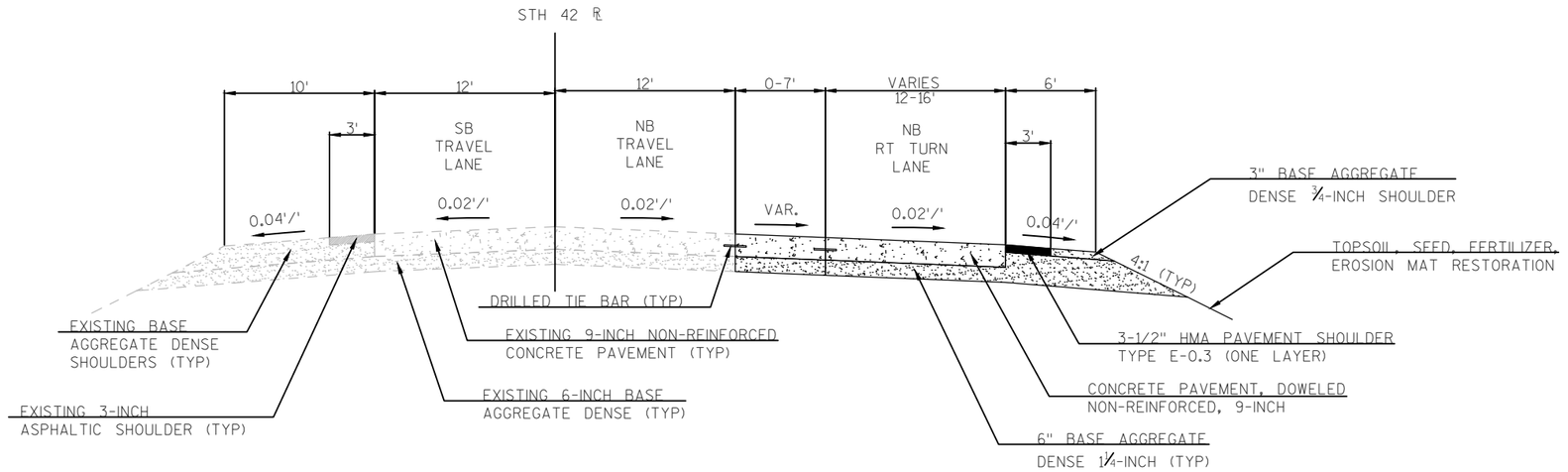
PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	TYPICAL SECTIONS - EXISTING	SHEET 7	E

2



PROPOSED TYPICAL SECTION - STH 42/CTH MM

STA. 1016+22 - STA. 1019+57

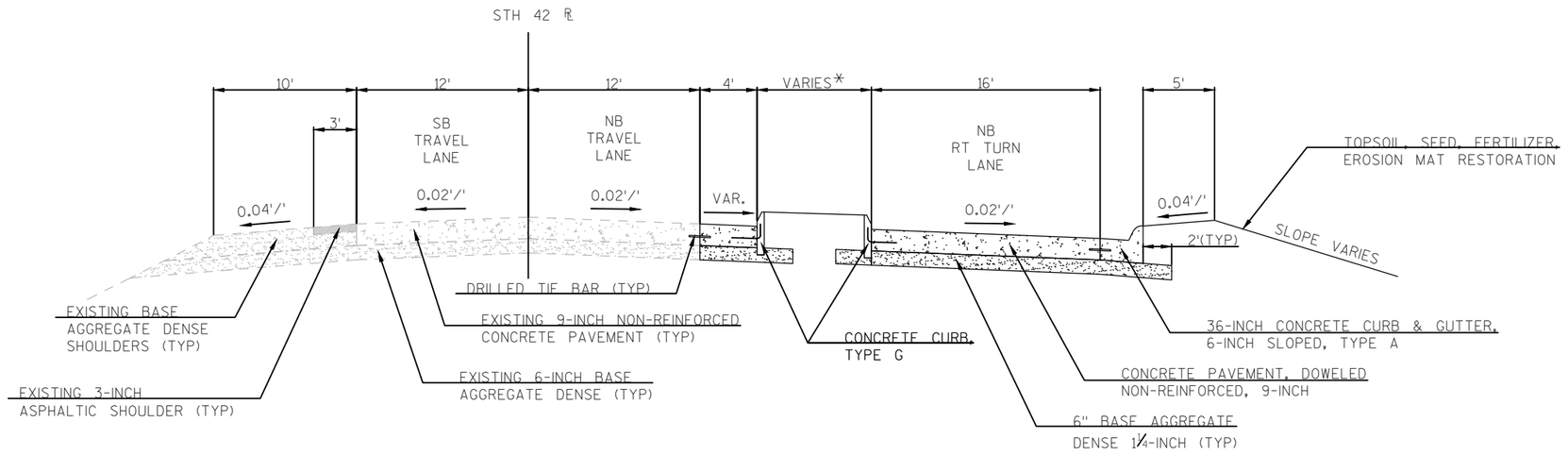


PROPOSED TYPICAL SECTION - STH 42/CTH MM

STA. 1019+57 - STA. 1020+49

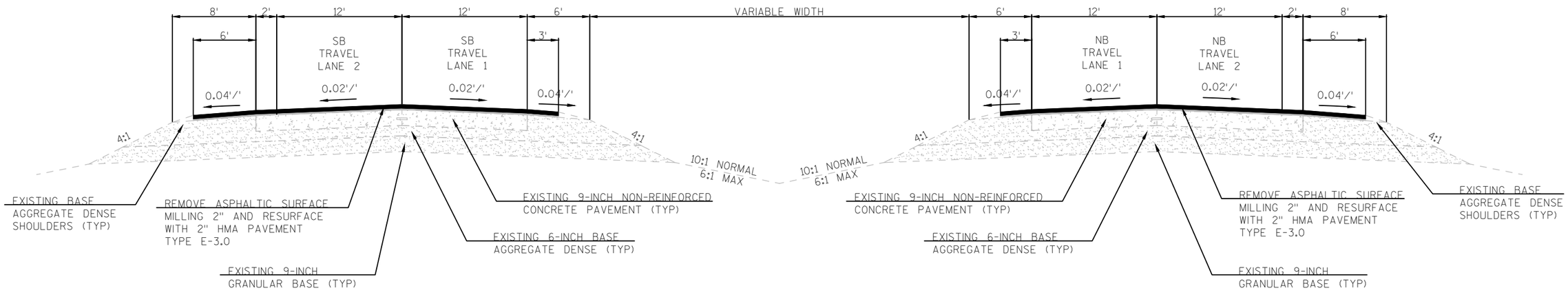
PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	TYPICAL SECTIONS - PROPOSED	SHEET 8	E

2



PROPOSED TYPICAL SECTION - STH 42/CTH MM

STA. 1020+49 - STA. 1021+26



PROPOSED TYPICAL SECTION - STH 42/57

ASPHALT MILL & OVERLAY SECTIONS:

STA. 43+70 - STA. 65+00 (SOUTHBOUND LANES ONLY)

STA. 83+55 - 134+85 (NORTHBOUND LANES ONLY)

STA. 152+95 - 213+50 (SOUTHBOUND LANES ONLY)

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	TYPICAL SECTIONS - PROPOSED	SHEET 9	E

2

GENERAL NOTES

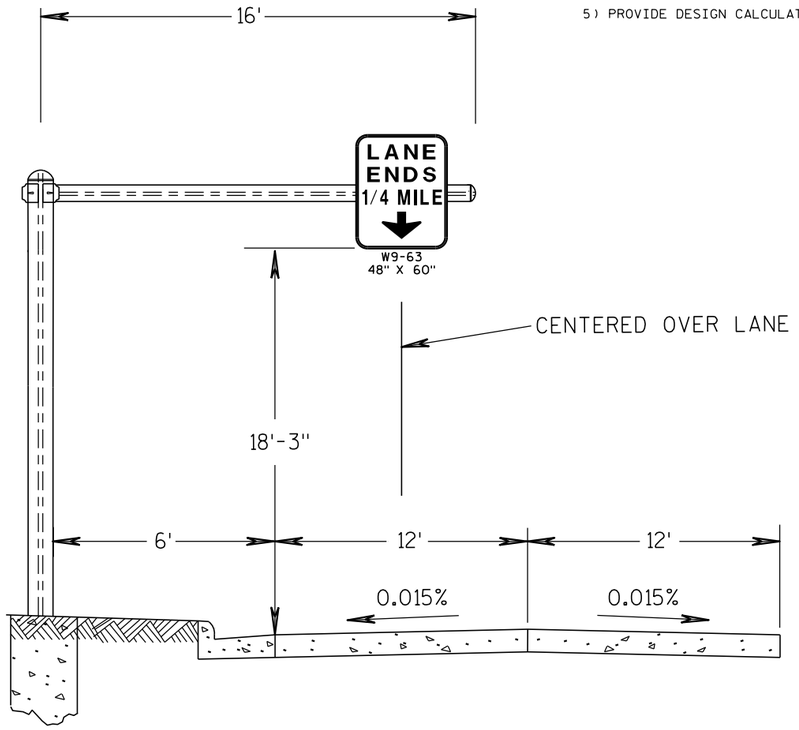
1) DRAWINGS NOT TO SCALE

2) DESIGN NEW OVERHEAD SIGN SUPPORTS ACCORDING TO THE LATEST EDITION OF, AND SUPPLEMENTAL TO THE STATE OF WISCONSIN "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" AND AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS."

3) PROVIDE AN IDENTIFICATION PLAQUE FOR ALL OVERHEAD SIGN SUPPORTS, TO BE CONSIDERED INCIDENTIAL TO THE BID ITEM "OVERHEAD SIGN SUPPORT".

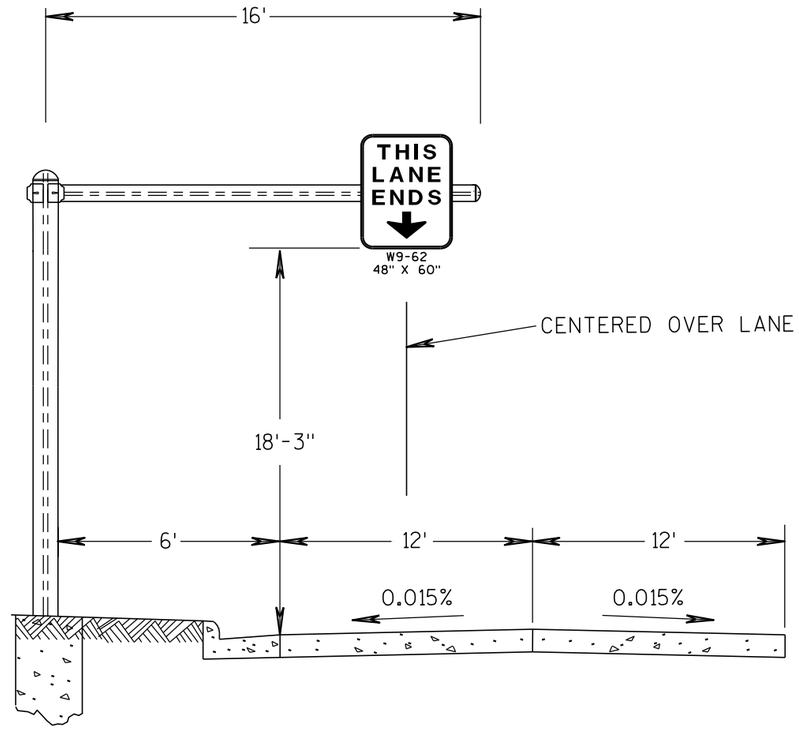
4) SIZE THE ANCHOR BOLT/TEMPLATE ASSEMBLY TO FIT WITHIN THE BAR CAGE OF THE FOOTING BASE SHOWN IN THE CONTRACT PLANS FOR A 30" DIAMETER BASE. IN ADDITION TO MEETING ALL APPLICABLE DESIGN REQUIREMENTS FOR THE DESIGN OF THE UPRIGHT BASE CONNECTION.

5) PROVIDE DESIGN CALCULATIONS



OVERHEAD CANTILEVER SIGN STRUCTURE DETAIL

STH 42/57 NORTH
S-15-13
STA 366+50



OVERHEAD CANTILEVER SIGN STRUCTURE DETAIL

STH 42/57 NORTH
S-15-14
STA 379+10

2

LEGEND

- PULL BOX 12" X 24"
- PULL BOX 24" X 36"
- PULL BOX 24" X 42"
- SIGNAL STANDARD, PEDESTAL MOUNT
- SIGNAL POLE, MAST-ARM, TRANSFORMER MOUNT
- LUMINAIRE (250 WATT)
- LUMINAIRE UNDER PERMIT
- CONTROL CABINET BASE
- CONDUIT
- SIGNAL HEAD NUMBER MOUNTING CONFIGURATION (2 / R Y G)
- LOOP DETECTOR (In Conduit) (22 3T)

GENERAL NOTES

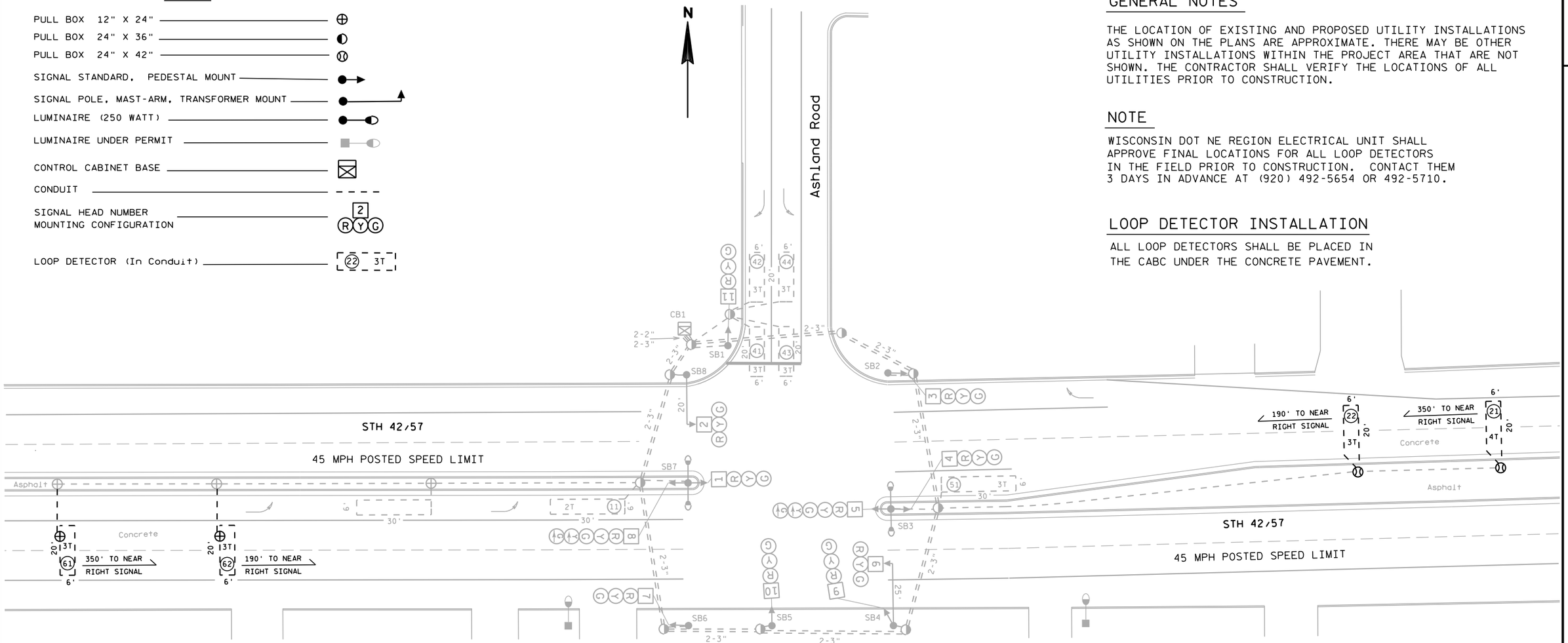
THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE

WISCONSIN DOT NE REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL LOOP DETECTORS IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 492-5654 OR 492-5710.

LOOP DETECTOR INSTALLATION

ALL LOOP DETECTORS SHALL BE PLACED IN THE CABC UNDER THE CONCRETE PAVEMENT.



CONFIGURATION WITH HEAD NUMBERS		
5-VL (R Y G Y G) 5, 8	3-V (R Y G) 1, 3, 4, 7 9, 10, 11	3-H (R Y G) 2, 6

TRAFFIC CONTROL SIGNAL

STH 42/57 & ASHLAND AVENUE
CITY OF STURGEON BAY
DOOR COUNTY

SIGNAL NO. 831 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 10-19-2000 Brian S. Brock
REGION TRAFFIC ENGINEER

APPROVED
Date 10-30-2000 William C. Gilding
STATE TRAFFIC ENGINEER

REGION CONTACT: RJS
DESIGNED BY: RJS
REVISED BY: RJS

PAGE 1 OF 1

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	CONSTRUCTION DETAIL - LOOP DETECTOR REPLACEMENT	SHEET NO: 11	E

GENERAL NOTES

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE

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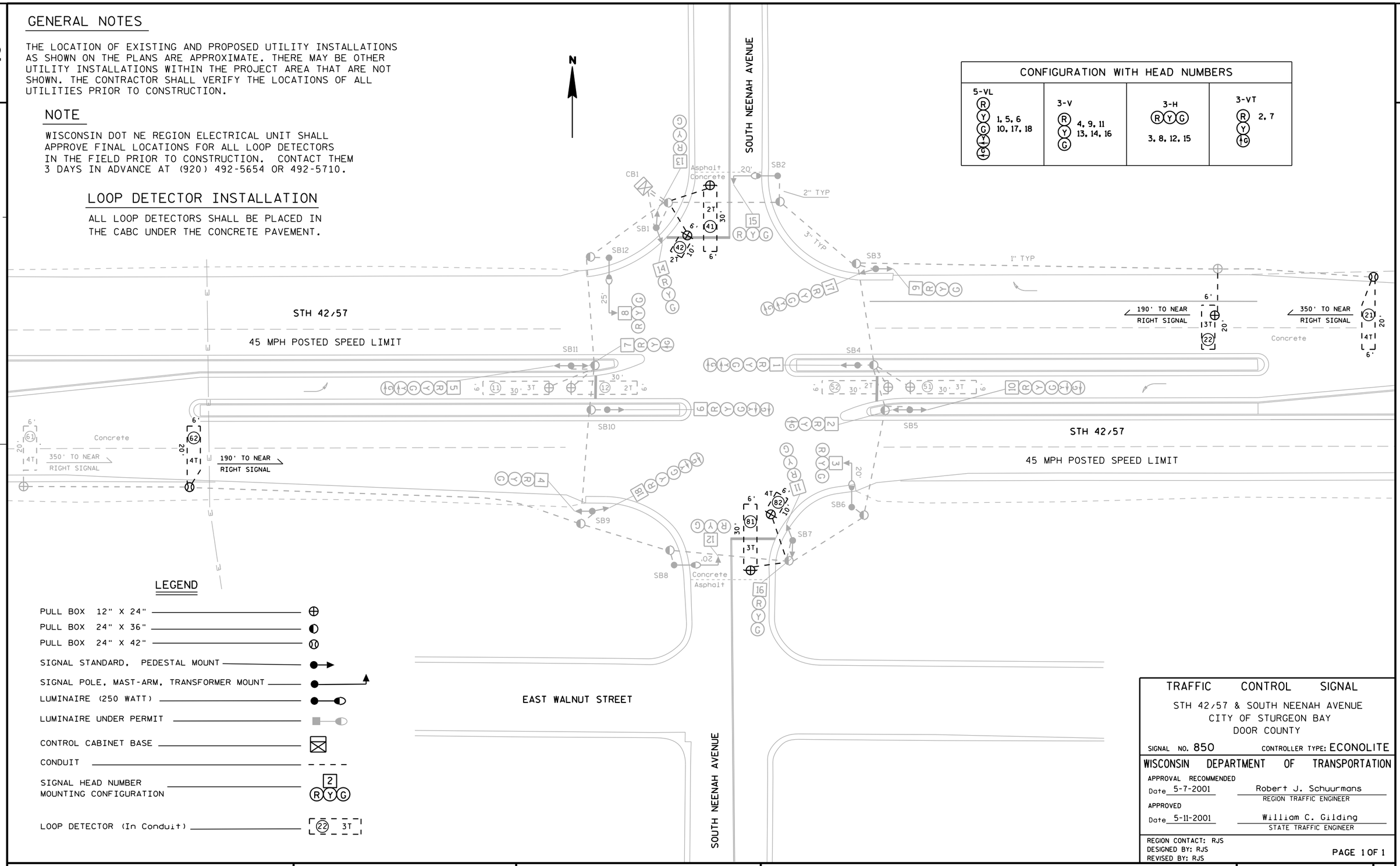
LOOP DETECTOR INSTALLATION

ALL LOOP DETECTORS SHALL BE PLACED IN THE CABC UNDER THE CONCRETE PAVEMENT.

CONFIGURATION WITH HEAD NUMBERS			
5-VL (R Y C 1 6) 1, 5, 6 10, 17, 18	3-V (R Y G) 4, 9, 11 13, 14, 16	3-H (R Y G) 3, 8, 12, 15	3-VT (R Y 1 6) 2, 7



LEGEND

- PULL BOX 12" X 24"
- PULL BOX 24" X 36"
- PULL BOX 24" X 42"
- SIGNAL STANDARD, PEDESTAL MOUNT
- SIGNAL POLE, MAST-ARM, TRANSFORMER MOUNT
- LUMINAIRE (250 WATT)
- LUMINAIRE UNDER PERMIT
- CONTROL CABINET BASE
- CONDUIT
- SIGNAL HEAD NUMBER MOUNTING CONFIGURATION (2 R Y G)
- LOOP DETECTOR (In Conduit) (22 3T)

TRAFFIC CONTROL SIGNAL

STH 42/57 & SOUTH NEENAH AVENUE
CITY OF STURGEON BAY
DOOR COUNTY

SIGNAL NO. 850 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 5-7-2001 Robert J. Schuurmans, REGION TRAFFIC ENGINEER

APPROVED
Date 5-11-2001 William C. Gilding, STATE TRAFFIC ENGINEER

REGION CONTACT: RJS
DESIGNED BY: RJS
REVISED BY: RJS

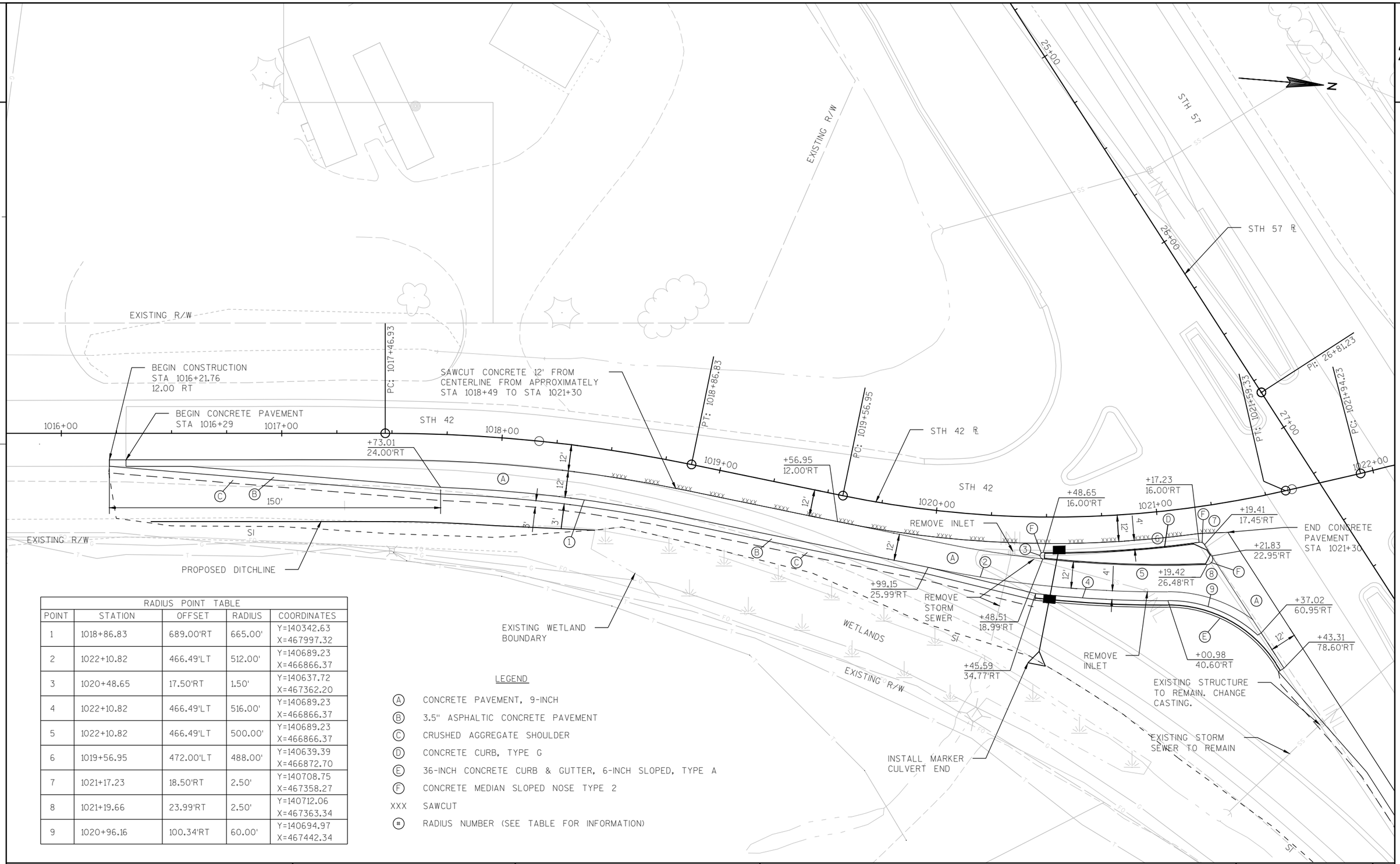
PAGE 1 OF 1

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	CONSTRUCTION DETAIL - LOOP DETECTOR REPLACEMENT	SHEET NO: 12	E

FILE NAME : F:\d3_traffi\S-850.dgn PLOT DATE : 16-DEC-2013 07:02 PLOT BY : dotc5s PLOT NAME : S-850,loop ORG DATE : 12-22-03 Originator : d3 PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2



RADIUS POINT TABLE				
POINT	STATION	OFFSET	RADIUS	COORDINATES
1	1018+86.83	689.00'RT	665.00'	Y=140342.63 X=467997.32
2	1022+10.82	466.49'LT	512.00'	Y=140689.23 X=466866.37
3	1020+48.65	17.50'RT	1.50'	Y=140637.72 X=467362.20
4	1022+10.82	466.49'LT	516.00'	Y=140689.23 X=466866.37
5	1022+10.82	466.49'LT	500.00'	Y=140689.23 X=466866.37
6	1019+56.95	472.00'LT	488.00'	Y=140639.39 X=466872.70
7	1021+17.23	18.50'RT	2.50'	Y=140708.75 X=467358.27
8	1021+19.66	23.99'RT	2.50'	Y=140712.06 X=467363.34
9	1020+96.16	100.34'RT	60.00'	Y=140694.97 X=467442.34

LEGEND

- (A) CONCRETE PAVEMENT, 9-INCH
- (B) 3.5" ASPHALTIC CONCRETE PAVEMENT
- (C) CRUSHED AGGREGATE SHOULDER
- (D) CONCRETE CURB, TYPE G
- (E) 36-INCH CONCRETE CURB & GUTTER, 6-INCH SLOPED, TYPE A
- (F) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- XXX SAWCUT
- (#) RADIUS NUMBER (SEE TABLE FOR INFORMATION)

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL - STH 42	SHEET 13	E

2

LEGEND

- (A) CONCRETE PAVEMENT, 9-INCH
- (B) 3.5" ASPHALTIC CONCRETE PAVEMENT
- (C) CRUSHED AGGREGATE SHOULDER
- (D) CONCRETE CURB, TYPE G
- (E) 36-INCH CONCRETE CURB & GUTTER, 6-INCH SLOPED, TYPE A
- (F) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- XXX SAWCUT

N

1023+67.35

1023+00

1022+00

24.23

MH

STH 42/57

STH 42/57 ℄

672.65-06

28+00 29+00 30+00 31+00 32+00 33+00

BEGIN CONCRETE PAVEMENT STA 27+26

EXISTING INLET TO REMAIN, REPLACE CASTING

STA 28+51.86 53' RT

REMOVE INLET

REMOVE EXISTING ASPHALT PAVEMENT

END CONCRETE PAVEMENT STA 30+69

SAWCUT CONCRETE AT 6' OFFSET FROM TRAVEL LANE FROM APPROXIMATELY STA 30+69 TO 31+50

12' 12' 6' 6' 100' 3' 12' 4'

SI

EXISTING STORM SEWER TO REMAIN

REMOVE STORM SEWER

REMOVE CONCRETE PAVEMENT

EXISTING R/W

SIGN

WETLANDS

EXISTING WETLANDS BOUNDARY

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET 14	E

2

2

PI: 10+00.00

STA 12+95
EXISTING 18" SS & AEW
-DITCH CLEANING REQUIRED

STA 12+93
EXISTING SS INLET
-GRATE CLEANING REQUIRED

STH 57

10+00

15+00

PC: 18+23.70

PT: 19+77.36

20+00

PC: 22+36.35

STA 25+72
EXISTING 24" SS & AEW
-DITCH CLEANING REQUIRED
-CLEAN CULVERT PIPE

STA 25+40
EXISTING 24" SS & AEW
-DITCH CLEANING REQUIRED
-CLEAN CULVERT PIPE

PC: 22+36.35

PT: 24+64.85

PI: 26+81.23

25+00

STA 29+14
EXISTING 18" SS & AEW
-DITCH CLEANING REQUIRED
-CLEAN CULVERT PIPE
-INSTALL MARKER CULVERT END

STH 42/57

30+00

STA 33+57
EXISTING 24" CULVERT & AEW
-DITCH CLEANING REQUIRED
-CLEAN CULVERT PIPE
-INSTALL MARKER CULVERT END

PC: 34+55.71

35+00

APPROX. STA 36+45
EXISTING 12" CULVERT & AEW
-DITCH CLEANING REQUIRED
-CLEAN CULVERT PIPE
-INSTALL MARKER CULVERT END

CONCRETE REPLACEMENT

CONCRETE BASE PATCH

ASPHALT MILL & OVERLAY

NOTE: DIMENSIONS AND LOCATIONS OF REHAB AREAS SHOWN ARE FOR ESTIMATING PURPOSES ONLY. FINAL LOCATIONS TO BE DETERMINED BY FIELD ENGINEER.

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET 15	E

2

2

STA 37+90
EXISTING 18" CULVERT & AEW
-REMOVE AND REPLACE AEW
-DITCH CLEANING REQUIRED
-INSTALL MARKER CULVERT END

PT: 39+47.95

STA 43+00
EXISTING 18" CULVERT & AEW
-CLEAN CULVERT PIPE
-DITCH CLEANING REQUIRED
-INSTALL MARKER CULVERT END

STH 42/57

40+00

22'x65'

45+00

50+00

L1&L2
26'x6'

L1&L2
26'x6'

L1&L2
26'x6'

L1&L2
26'x6'

STA 37+64
EXISTING 18" CULVERT & AEW
-DITCH CLEANING REQUIRED
-INSTALL MARKER CULVERT END

STA 43+01
EXISTING 18" CULVERT & AEW
-REMOVE AND REPLACE AEW
-DITCH CLEANING REQUIRED
-INSTALL MARKER CULVERT END

CANOPY

FILLER CAPS

SIGN

51+75.00

66+50.00

Y INN ROAD

L1&L2
24'x6'

L2
12'X6'

L1&L2
24'x6'

L2
12'X8'

L1
12'x6'

55+00

60+00

65+00

L1
12'x6'

L2
38'X14'

CONCRETE REPLACEMENT

CONCRETE BASE PATCH

ASPHALT MILL & OVERLAY

NOTE: DIMENSIONS AND LOCATIONS OF REHAB AREAS SHOWN ARE FOR ESTIMATING PURPOSES ONLY. FINAL LOCATIONS TO BE DETERMINED BY FIELD ENGINEER.

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET 16	E

2

2

69+50.00

81+25.00

PC: 71+71.65

STH 42/57

70+00

75+00

80+00

PT: 80+73.70

L1&L2
26'X8'

L1&L2
26'X4'

N

69+50.00

81+25.00

81+25.00

PT: 80+73.70

IDLEWILD ROAD

96+00.00

STH 42/57

85+00

90+00

95+00

L2
30'X4'

L1
16'X6'

L1
14'X6'

L1&L2
26'X6'

N

81+25.00

CONCRETE REPLACEMENT

CONCRETE BASE PATCH

ASPHALT MILL & OVERLAY

NOTE: DIMENSIONS AND LOCATIONS OF REHAB AREAS SHOWN ARE FOR ESTIMATING PURPOSES ONLY. FINAL LOCATIONS TO BE DETERMINED BY FIELD ENGINEER.

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET 17	E

2

2

96+00.00

110+75.00

STH 42/57

100+00

105+00

PI: 109+82.86

110+00

96+00.00

110+75.00

110+75.00

125+50.00

STH 42/57

115+00

120+00

125+00

125+50.00

L1&L2
24'X6'

CTH 00

110+75.00

CONCRETE REPLACEMENT

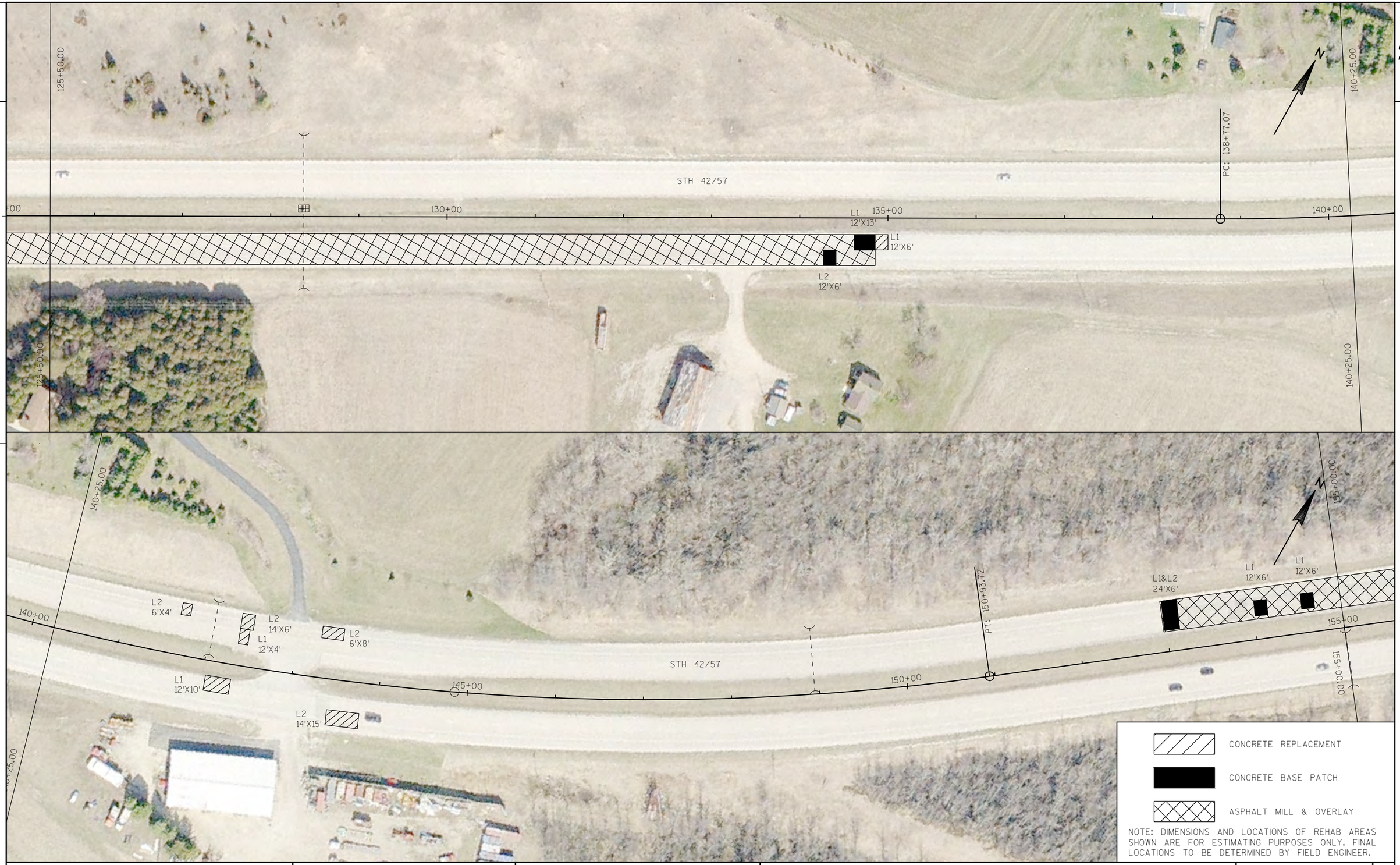
CONCRETE BASE PATCH

ASPHALT MILL & OVERLAY

NOTE: DIMENSIONS AND LOCATIONS OF REHAB AREAS SHOWN ARE FOR ESTIMATING PURPOSES ONLY. FINAL LOCATIONS TO BE DETERMINED BY FIELD ENGINEER.

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET 18	E

2



PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET	E

FILE NAME : F:\DOC_EXP\WIS-00015717-A0\CIVIL\SHEETSPLAN\021207_PD.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : THOMAS BOYKE PLOT NAME : _____ PLOT SCALE : 1:100_XREF
WISDOT/CADDS SHEET 42

2

2

155+00.00

169+75.00

L2
12'X6'

L2
12'X6'

155+00

160+00

165+00

170+00

L1&L2
26'X10'

L1
12'X10'

STH 42/57

EMERALD DRIVE

155+00.00

169+75.00

169+75.00

184+50.00

L1
12'X6'

L1
12'X6'

170+00

175+00

180+00

185

L1&L2
26'X25'

L2
30'X14'

STH 42/57

184+50.00

169+75.00

CONCRETE REPLACEMENT

CONCRETE BASE PATCH

ASPHALT MILL & OVERLAY

NOTE: DIMENSIONS AND LOCATIONS OF REHAB AREAS SHOWN ARE FOR ESTIMATING PURPOSES ONLY. FINAL LOCATIONS TO BE DETERMINED BY FIELD ENGINEER.

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET 20	E

FILE NAME : F:\DOC_EXP\WIS-00015717-A0\CIVIL\SHEETSPLAN\021208_PD.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : THOMAS BOYKE PLOT NAME : _____ PLOT SCALE : 1:100_XREF

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET 21	E

2

STA 215+99
EXISTING 18" CULVERT & AEW
-REMOVE AND REPLACE AEW
-CLEAN CULVERT PIPE
-DITCH CLEANING REQUIRED
-INSTALL MARKER CULVERT END

214+00.00

PC: 216+29.05

STH 42/57

220+00

L2
10'x7'

215+00

STH 42/57

STA 215+99
EXISTING 18" CULVERT & AEW
-DITCH CLEANING REQUIRED
-INSTALL MARKER CULVERT END

PCC: 223+48.78

STAGG ROAD

225+00

228+75.00

214+00.00

228+75.00

STA 236+22
EXISTING 18" CULVERT & AEW
-CLEAN CULVERT PIPE
-DITCH CLEANING REQUIRED

PT: 234+23.14

235+00

230+00

STH 42/57

L2
14'x6'

L2
14'x6'

L1
12'x16'

L2
14'x20'

STH 42/57

L2
14'x4'

240+00

243+50.00

228+75.00

STA 236+21
EXISTING 18" CULVERT & AEW
-DITCH CLEANING REQUIRED
-INSTALL MARKER CULVERT END

N

CONCRETE REPLACEMENT

CONCRETE BASE PATCH

ASPHALT MILL & OVERLAY

NOTE: DIMENSIONS AND LOCATIONS OF REHAB AREAS SHOWN ARE FOR ESTIMATING PURPOSES ONLY. FINAL LOCATIONS TO BE DETERMINED BY FIELD ENGINEER.

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET 22	E

FILE NAME : F:\DOC_EXP\WIS-00015717-A0\CIVIL\SHEETSPLAN\021210_PD.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : THOMAS BOYKE PLOT NAME : ---------- PLOT SCALE : 1:100_XREF

2

2

243+50.00

258+25.00

245+00

250+00

255+00

STH 42/57

L2
14'x10'

L2
14'x6'

L1
12'x6'

L2
14'x6'

L1&L2
26'x6'

L2
14'x6'

N

243+50.00

258+25.00

258+25.00

PI: 260+06.34

260+00

265+00

270+00

273+00.00

STH 42/57

S COLUMBIA AVENUE

S DOUGLAS AVENUE

CAUTION: UNDERGROUND TRAFFIC SIGNAL CONDUIT EXISTS IN AREA FOR ASHLAND AVE TRAFFIC SIGNALS

REPLACE TRAFFIC SIGNAL LOOP DETECTORS. SEE CONSTRUCTION DETAILS FOR INFORMATION.

L2
7'x30'

L2
7'x16'

L2
14'x38'

L2
7'x28'

CONCRETE REPLACEMENT

CONCRETE BASE PATCH

ASPHALT MILL & OVERLAY

NOTE: DIMENSIONS AND LOCATIONS OF REHAB AREAS SHOWN ARE FOR ESTIMATING PURPOSES ONLY. FINAL LOCATIONS TO BE DETERMINED BY FIELD ENGINEER.

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET 23	E

2

2

273+00.00

S ASHLAND AVENUE

REPLACE TRAFFIC SIGNAL LOOP DETECTORS. SEE CONSTRUCTION DETAILS FOR INFORMATION.

PC: 276+42.26

PT: 283+47.44

N

287+75.00

L2
14'x6'

STH 42/57

275+00

280+00

285+00

CAUTION: UNDERGROUND TRAFFIC SIGNAL CONDUIT EXISTS IN AREA FOR ASHLAND AVE TRAFFIC SIGNALS

L1
12'x8'

L1
12'x4'

273+00.00

287+75.00

287+75.00

EXISTING STRUCTURES B-15-005 & B-15-006 WORK TO BE COMPLETED AS PART OF FUTURE PROJECT

N

302+50.00

CAUTION: UNDERGROUND TRAFFIC SIGNAL CONDUIT EXISTS IN AREA FOR CTH S TRAFFIC SIGNALS

STH 42/57

L2
6'x6'

290+00

295+00

300+00

L1&L2
50'x12'

L3
144'x7'

L1
12'x45'

L2
12'x10'

L1
12'x6'

L1
12'x15'

CTH S

302+50.00

287+75.00

CONCRETE REPLACEMENT

CONCRETE BASE PATCH

ASPHALT MILL & OVERLAY

NOTE: DIMENSIONS AND LOCATIONS OF REHAB AREAS SHOWN ARE FOR ESTIMATING PURPOSES ONLY. FINAL LOCATIONS TO BE DETERMINED BY FIELD ENGINEER.

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET 24	E

2

2

302+50.00

317+25.00

PC: 305+70.57

PT: 309+91.04

STH 42/57

S LANSING AVENUE

N

305+00

310+00

315+00

L2
12'x8'

L2
10'x35'

302+50.00

317+25.00

317+25.00

S NEENAH AVENUE

N

332+00.00

PC: 331+98.35

332+00.00

REPLACE TRAFFIC SIGNAL LOOP DETECTORS. SEE COSTRUCTION DETAILS FOR INFORMATION.

CAUTION: UNDERGROUND TRAFFIC SIGNAL CONDUIT EXISTS IN AREA FOR NEENAH AVE TRAFFIC SIGNALS

STH 42/57

320+00

325+00

330+00

L2
12'x15'

L2
12'x15'

L2
6'x15'

L2
6'x15'

E WALNUT STREET

REPLACE TRAFFIC SIGNAL LOOP DETECTORS. SEE COSTRUCTION DETAILS FOR INFORMATION.

CONCRETE REPLACEMENT

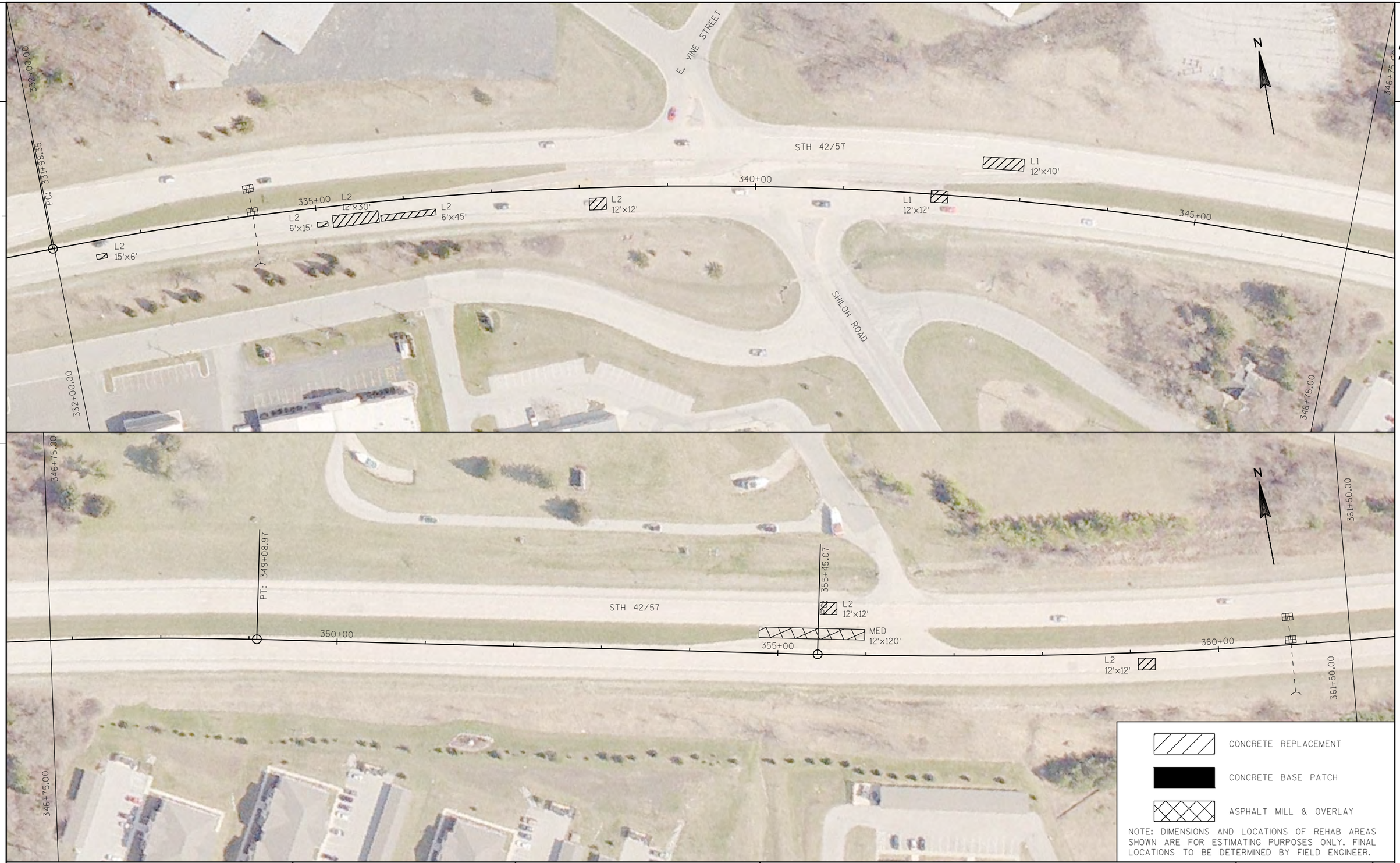
CONCRETE BASE PATCH

ASPHALT MILL & OVERLAY

NOTE: DIMENSIONS AND LOCATIONS OF REHAB AREAS SHOWN ARE FOR ESTIMATING PURPOSES ONLY. FINAL LOCATIONS TO BE DETERMINED BY FIELD ENGINEER.

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET 25	E

2



PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET 26	E

2

NOTE: DIMENSIONS AND LOCATIONS OF REHAB AREAS SHOWN ARE FOR ESTIMATING PURPOSES ONLY. FINAL LOCATIONS TO BE DETERMINED BY FIELD ENGINEER.

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET 27	E

FILE NAME : F:\DOC_EXP\WIS-00015717-A0\CIVIL\SHEETSPLAN\021215_PD.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : THOMAS BOYKE PLOT NAME : PLOT SCALE : 1:100_XREF
WISDOT/CADDS SHEET 42

CONCRETE REPLACEMENT

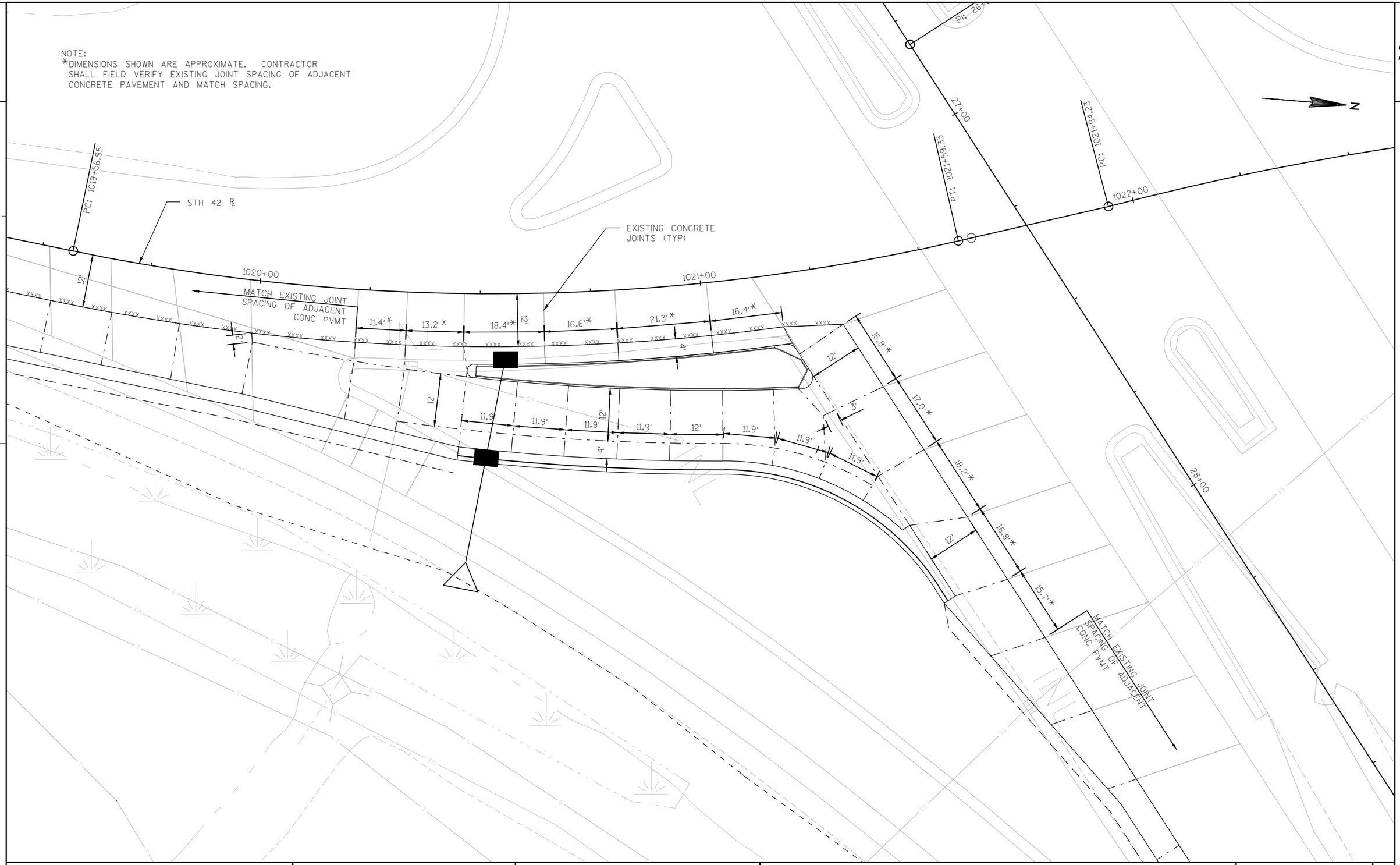
CONCRETE BASE PATCH

ASPHALT MILL & OVERLAY

NOTE: DIMENSIONS AND LOCATIONS OF REHAB AREAS SHOWN ARE FOR ESTIMATING PURPOSES ONLY. FINAL LOCATIONS TO BE DETERMINED BY FIELD ENGINEER.

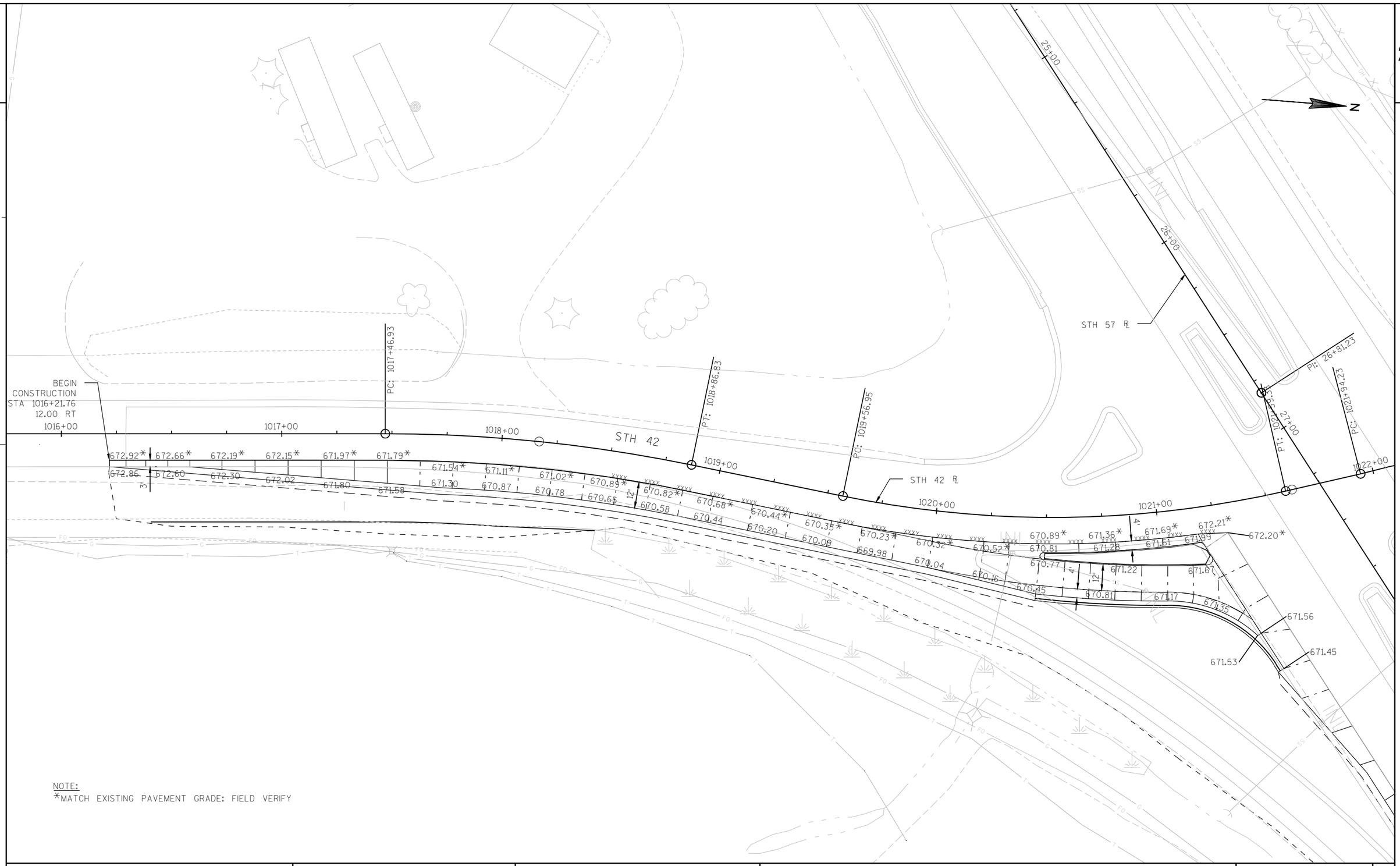
PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PLAN DETAIL	SHEET 28	E

NOTE:
*DIMENSIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING JOINT SPACING OF ADJACENT CONCRETE PAVEMENT AND MATCH SPACING.



PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT JOINTS - STH 42	SHEET 29	E

2



PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES - STH 42	SHEET 30	E

2

2

N

STH 42/57

STH 42/57 ℄

STH 42 ℄

PI: 26+81.23

PC: 1021+94.23

PT: 1021+59.33

1020+00

1021+00

1022+00

1023+00

23+67.35

27+00

28+00

29+00

30+00

31+00

32+00

672.09*	671.89*	671.78*	671.65*	671.56*	671.46*	671.44*	671.42*	671.45*	671.51*	671.58*	671.74*	671.91*	672.08*	672.21*
671.96	671.80	671.56	671.45	671.36	671.34	671.32	671.30	671.33	671.39	671.46	671.62	671.79	671.96	xxxx
671.38														672.09*

NOTE:
*MATCH EXISTING PAVEMENT GRADE; FIELD VERIFY

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT GRADES - STH 42/57	SHEET 31	E

BEGIN CONSTRUCTION
STA 1016+21.76
12.00 RT

SAWCUT ASPHALT PAVEMENT
STA 1016+22 TO 1016+29

SAWCUT CONCRETE PAVEMENT
12' FROM CENTERLINE FROM
STA 1018+49 TO 1021+30

REMOVE INLET

REMOVE STORM SEWER (12-INCH)

NOTE: LOCATION OF END OF PIPE SHOWN IS APPROXIMATE. END OF PIPE WAS NOT LOCATED DURING FIELD INSPECTION AND IS ASSUMED BURIED

REMOVE CONCRETE CURB AND GUTTER

REMOVE INLET

REMOVE STORM SEWER (12-INCH)

STH 42/57 ℄

SAWCUT CONCRETE PAVEMENT
STA 30+69 TO 31+50

SAWCUT ASPHALT PAVEMENT
STA 31+50 TO 31+55

LEGEND

REMOVE PAVEMENT (ITEM 204.0100)

REMOVE ASPHALTIC SURFACE (ITEM 204.0110)

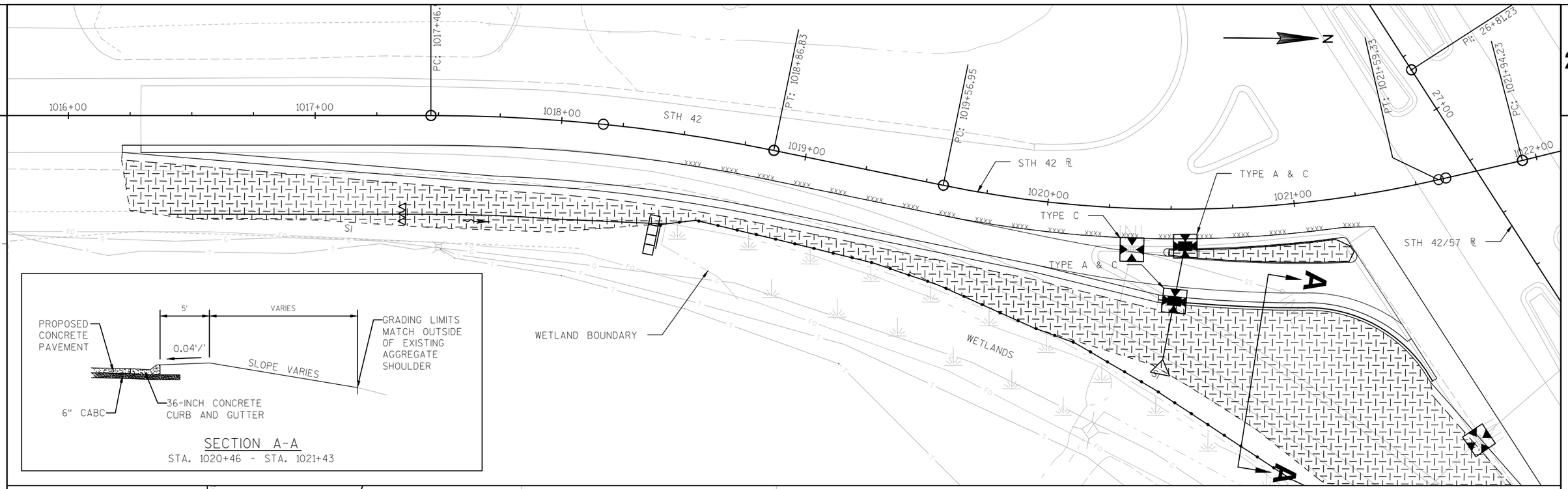
SAWCUT PAVEMENT

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	REMOVAL PLAN - STH 42	SHEET 32	E

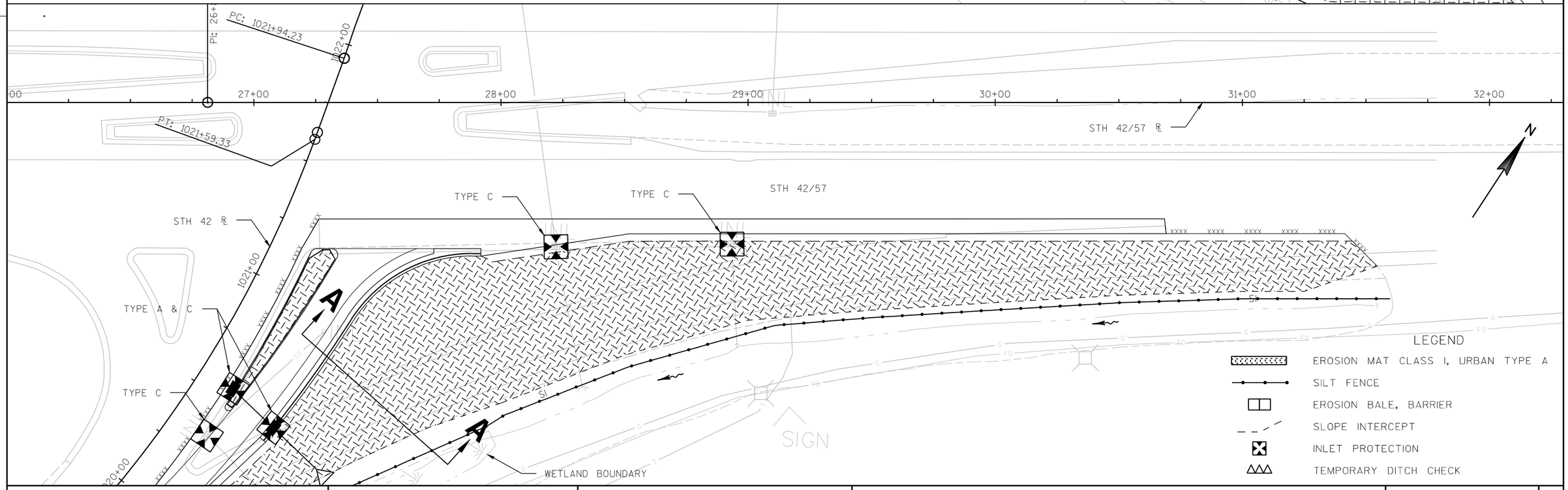
FILE NAME : F:\DOC_EXP\WIS-00015717-A0\CIVIL\SHEETSPLAN\021501_RE.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : THOMAS BOYKE PLOT NAME : PLOT SCALE : 1:50_XREF

WISDOT/CADDS SHEET 42

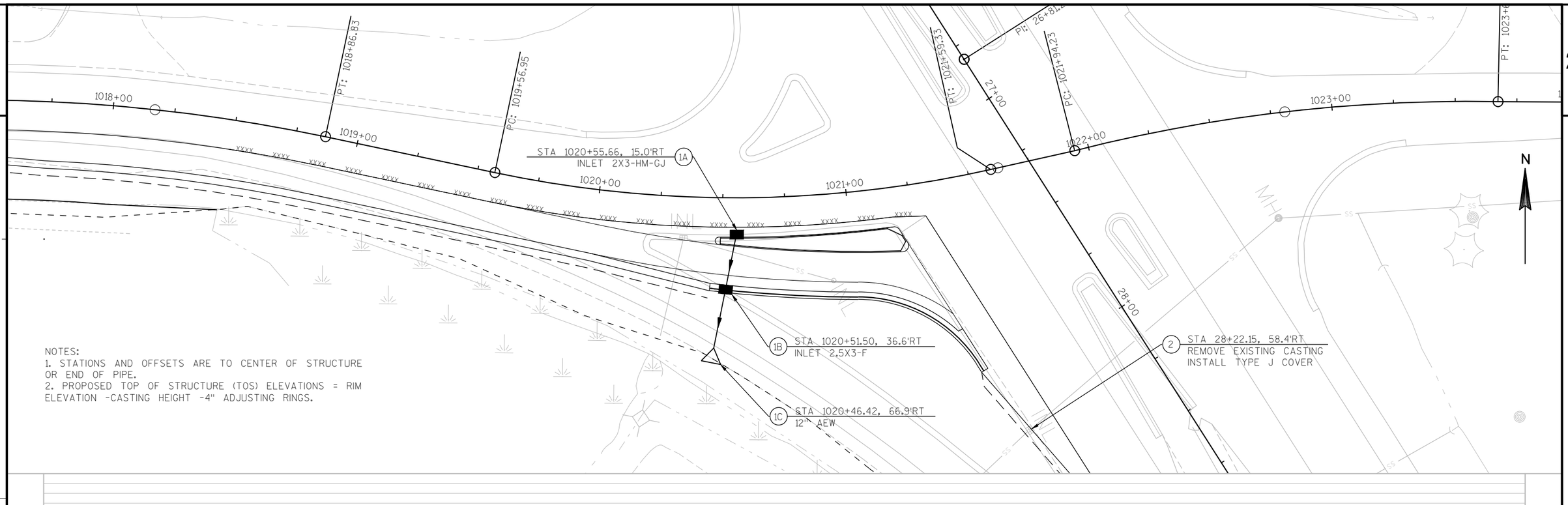
2



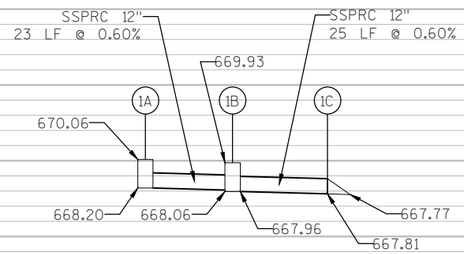
SECTION A-A
STA. 1020+46 - STA. 1021+43



PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	EROSION CONTROL	SHEET 33	E



NOTES:
1. STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE OR END OF PIPE.
2. PROPOSED TOP OF STRUCTURE (TOS) ELEVATIONS = RIM ELEVATION -CASTING HEIGHT -4" ADJUSTING RINGS.



690 685 680 675 670 665 660 655 650 645

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	STORM SEWER	SHEET 34 E

SIGNING NOTES

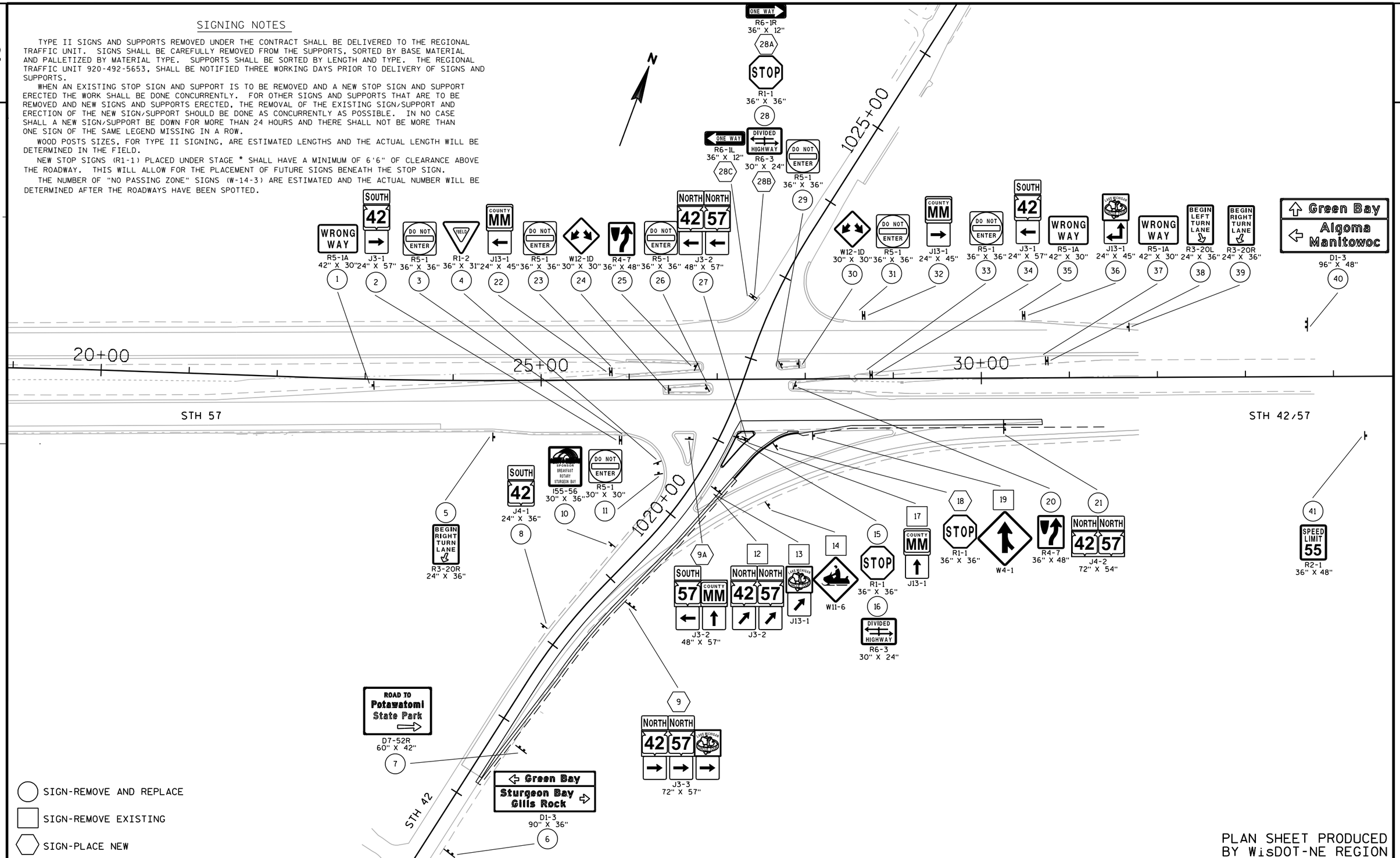
TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

NEW STOP SIGNS (R1-1) PLACED UNDER STAGE * SHALL HAVE A MINIMUM OF 6'6" OF CLEARANCE ABOVE THE ROADWAY. THIS WILL ALLOW FOR THE PLACEMENT OF FUTURE SIGNS BENEATH THE STOP SIGN.

THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.



PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 35	E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4140-20-72 STH 42_57 Door Co\023201_ps.dgn PLOT DATE : 25-SEP-2013 15:28 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

SIGNING NOTES

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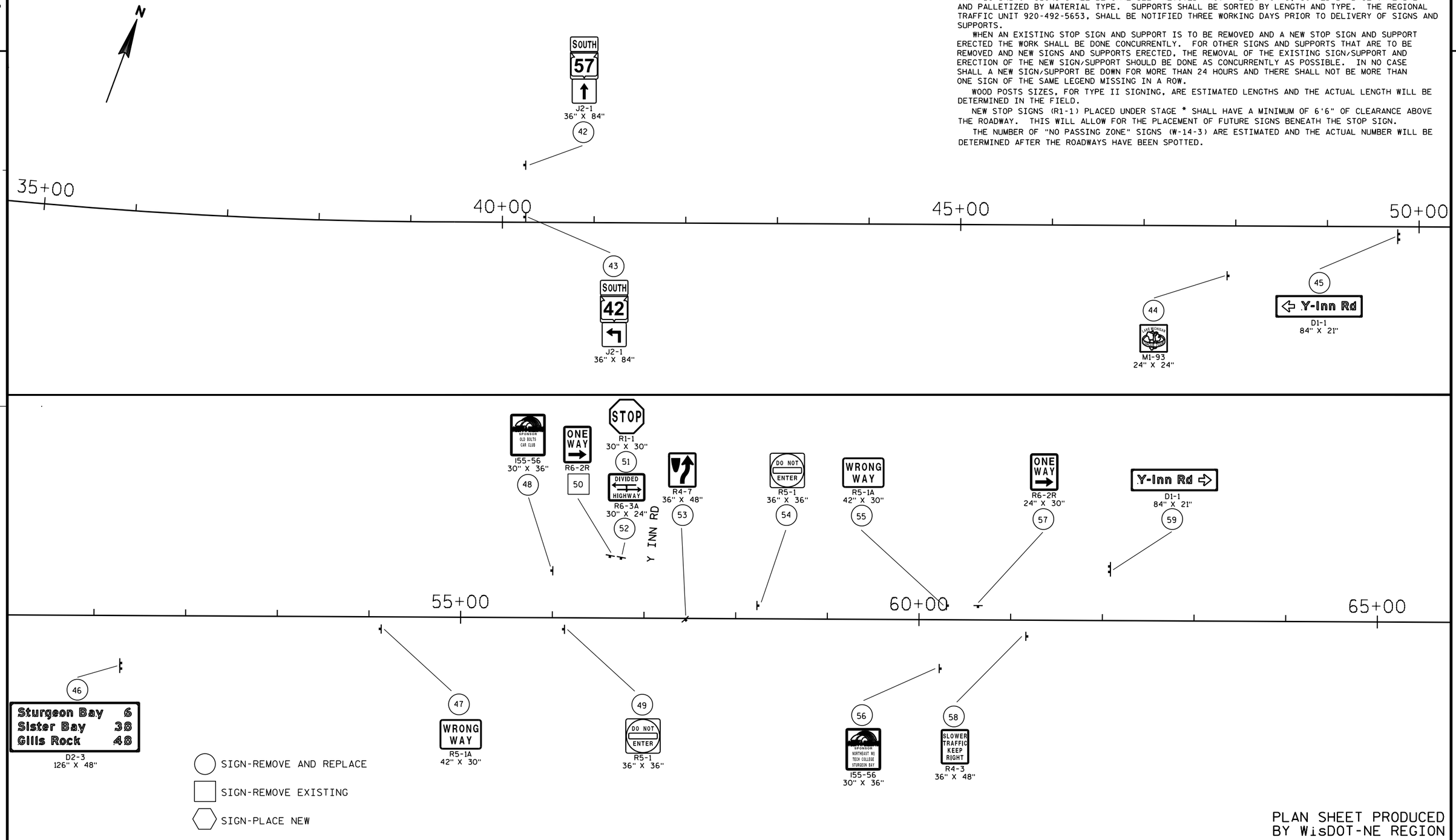

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 36	E

SIGNING NOTES

TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

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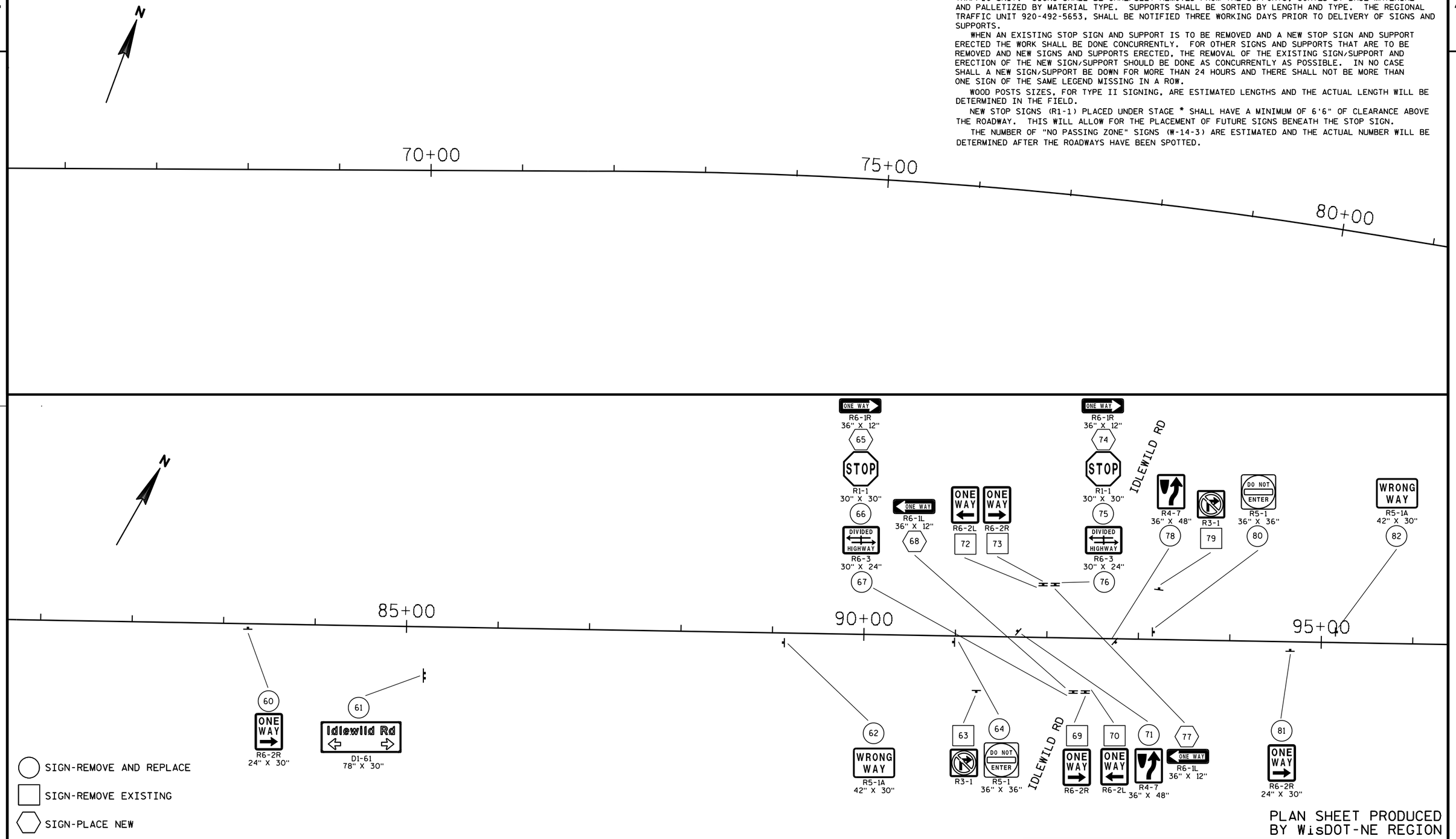

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 37 E

2

SIGNING NOTES

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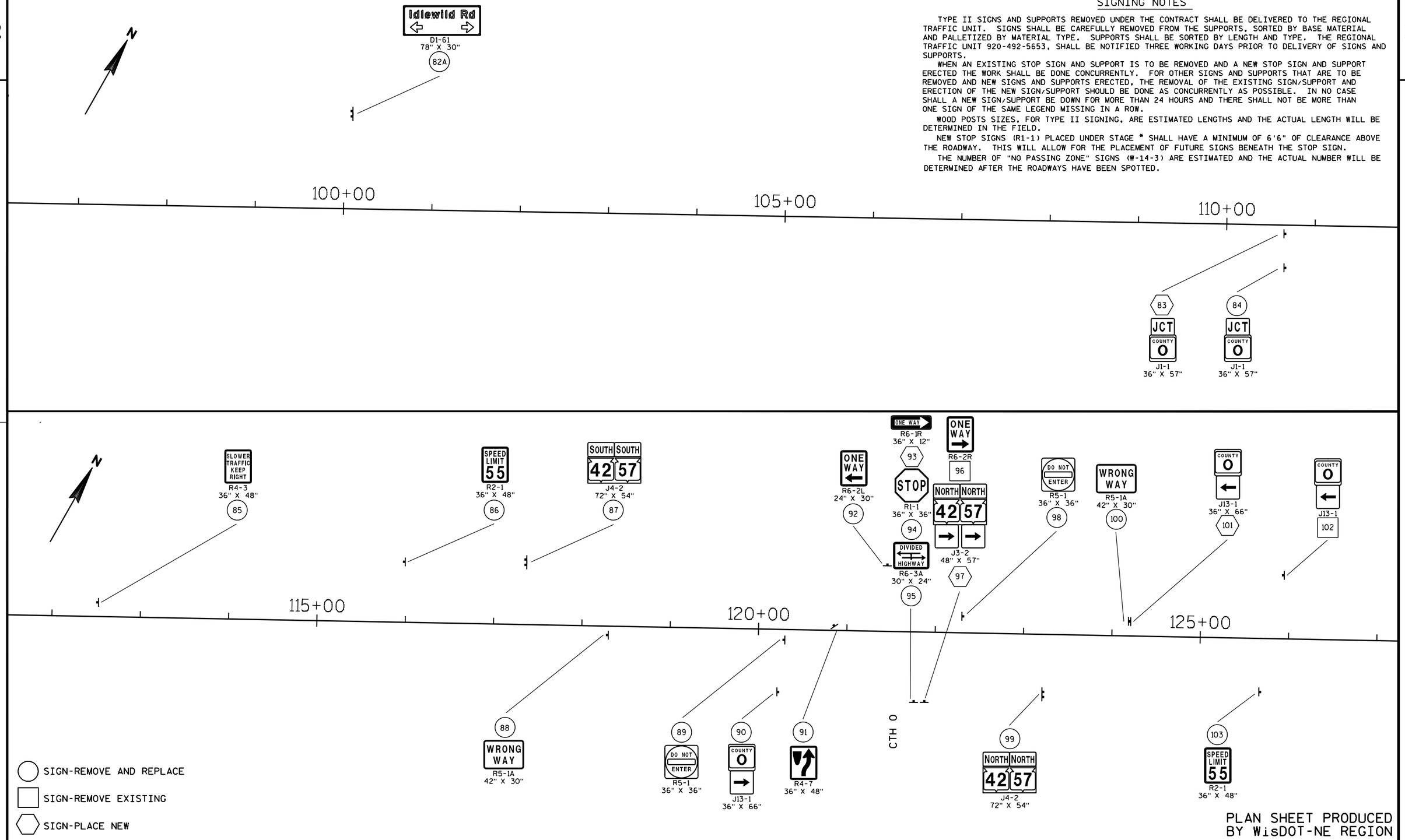

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 38	E

2

SIGNING NOTES

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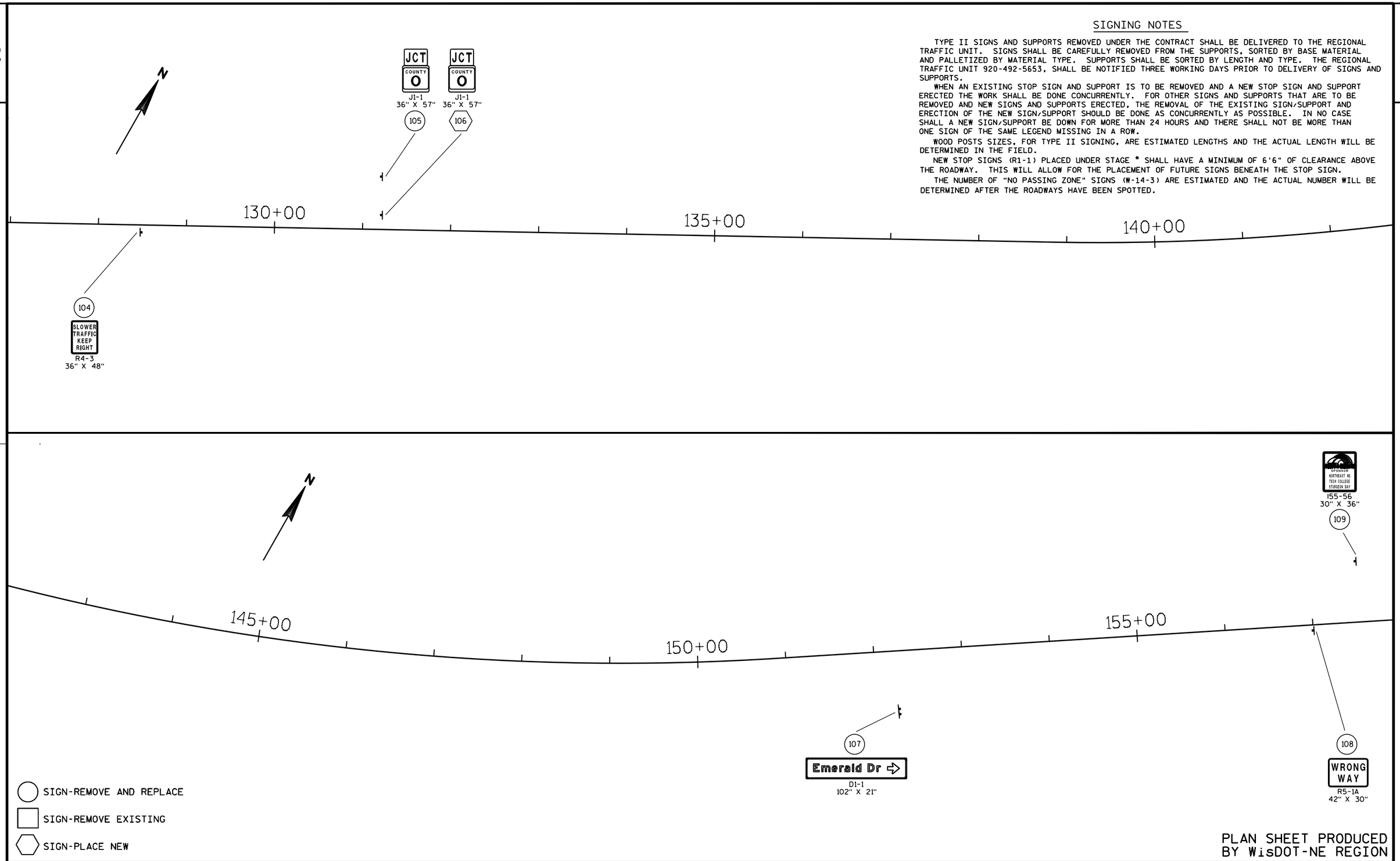

SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 39	E

2

SIGNING NOTES

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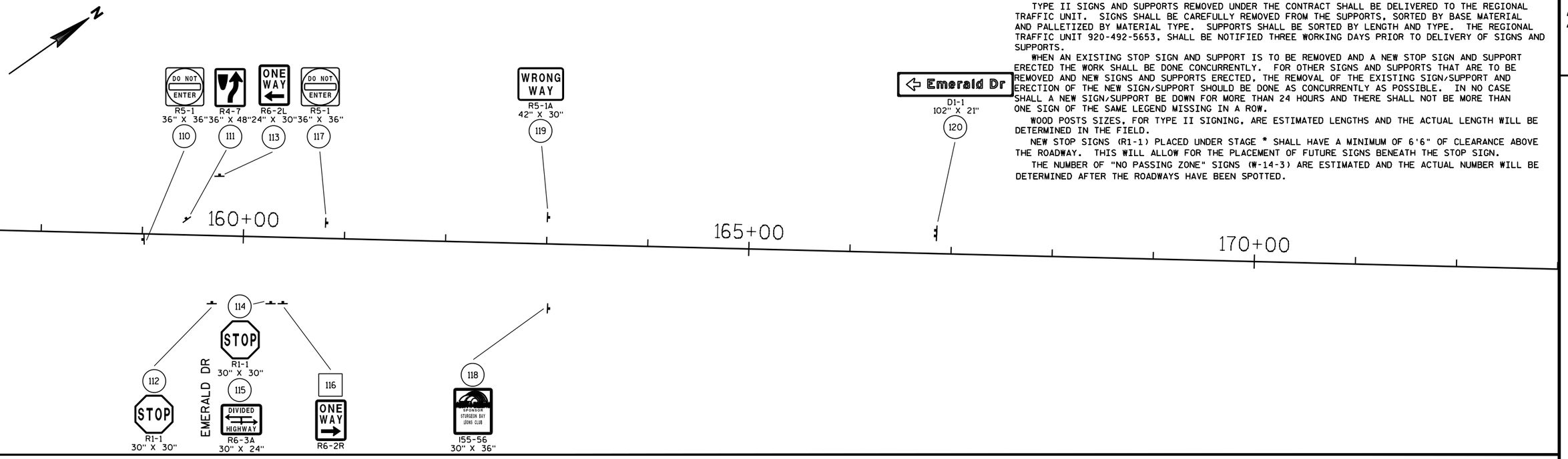

SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 40	E

SIGNING NOTES

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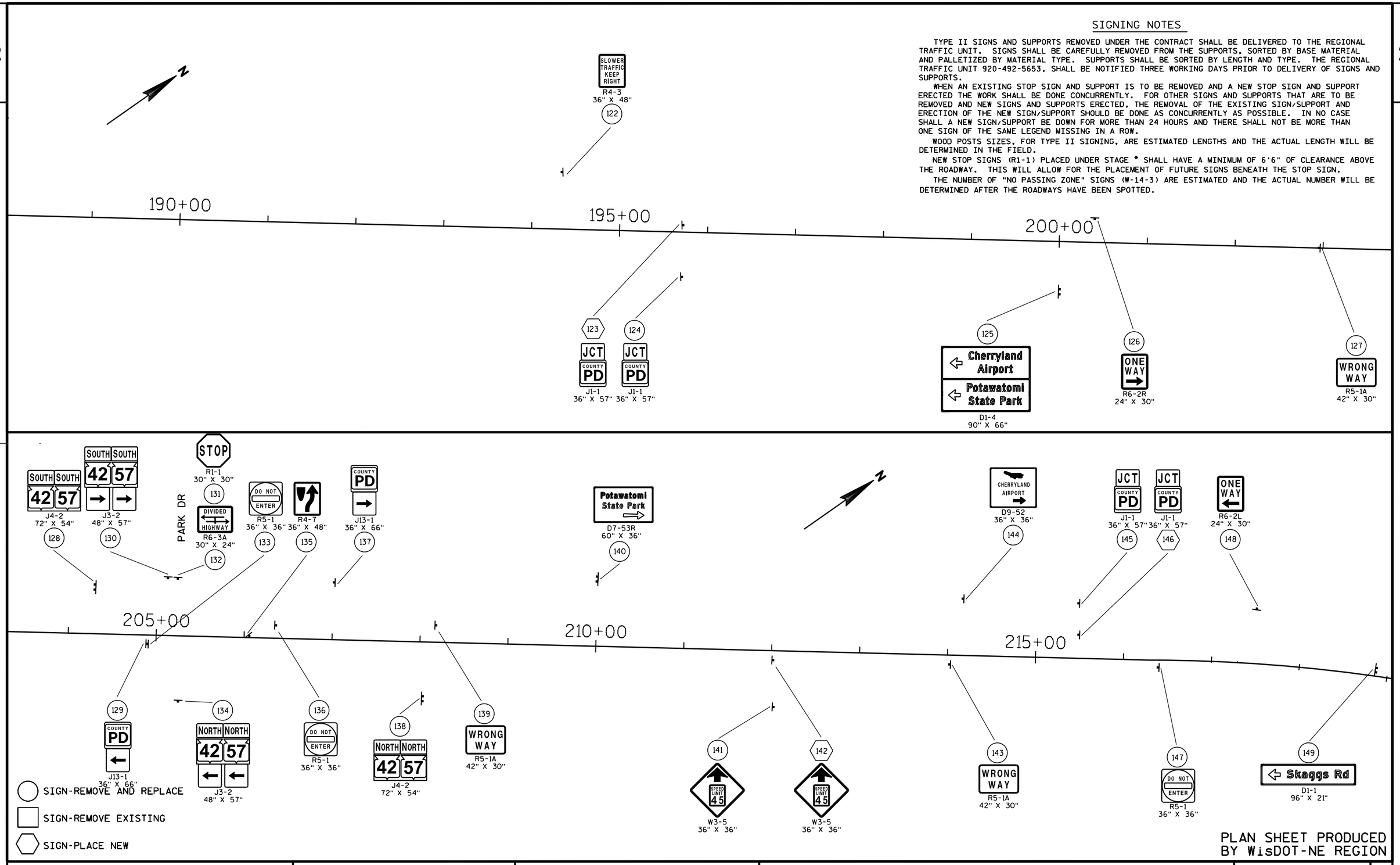


SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

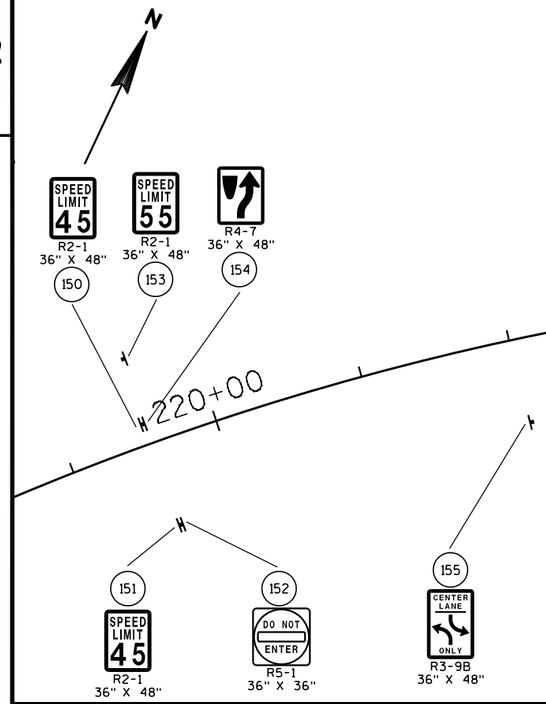
SIGN-PLACE NEW

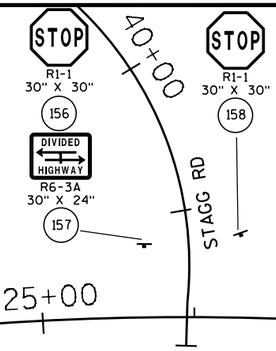
PLAN SHEET PRODUCED BY WisDOT-NE REGION

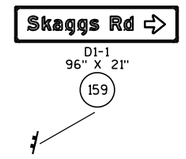
PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 41	E

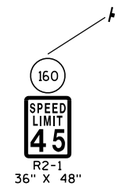
FILE NAME : N:\spo\traffic\SIGNING\Projects\4140-20-72 STH 42_57 Door Co\023207_ps.dgn PLOT DATE : 25-SEP-2013 15:28 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 100:1

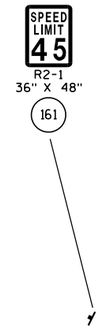
2











230+00

SIGNING NOTES

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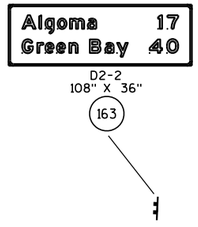

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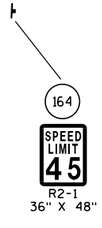

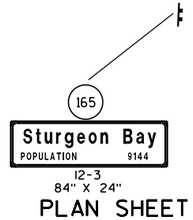

SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 42	E

SIGNING NOTES

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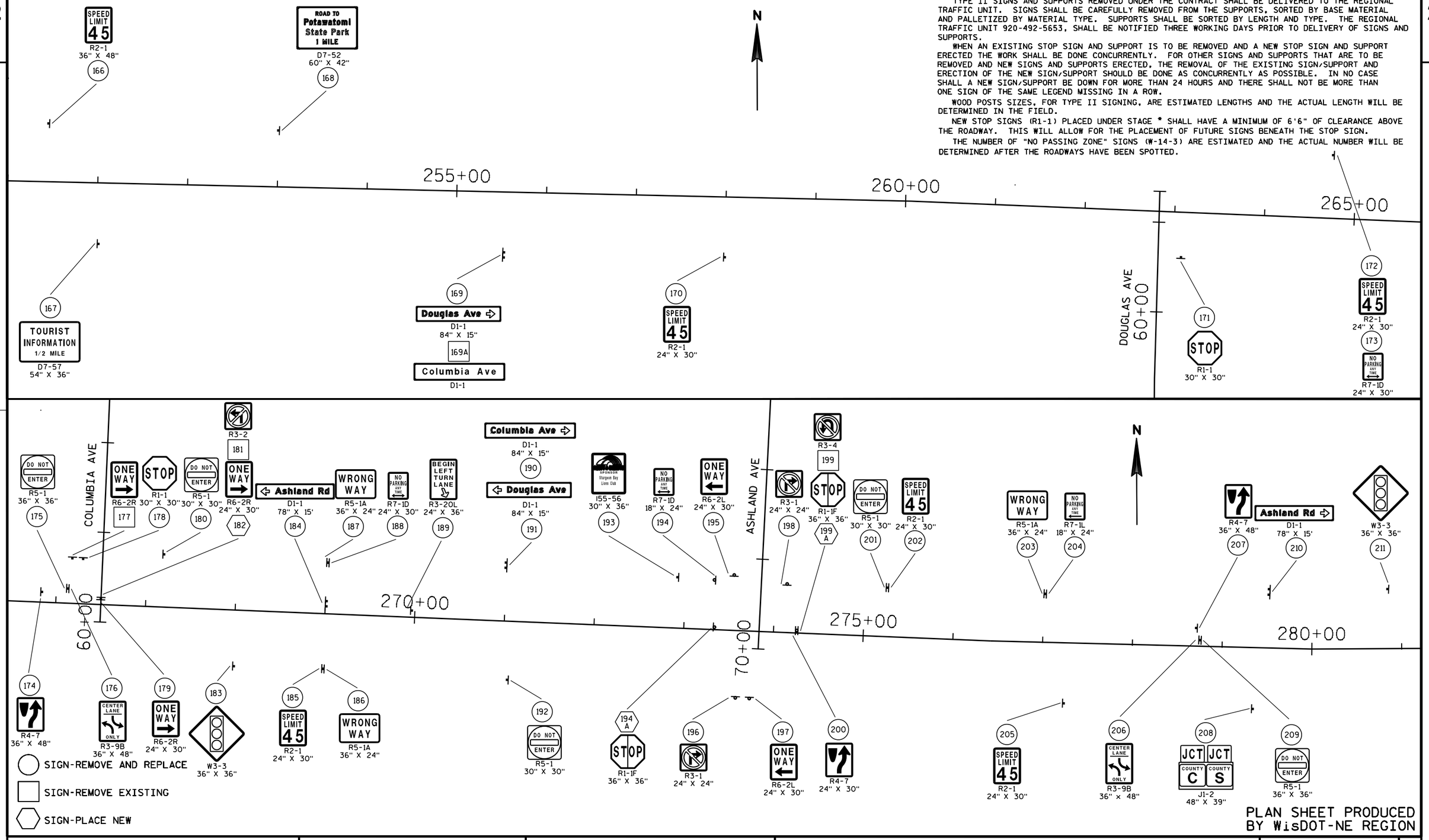

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 43	E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4140-20-72 STH 42_57 Door Co\023209_ps.dgn PLOT DATE : 25-SEP-2013 15:28 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 100:1

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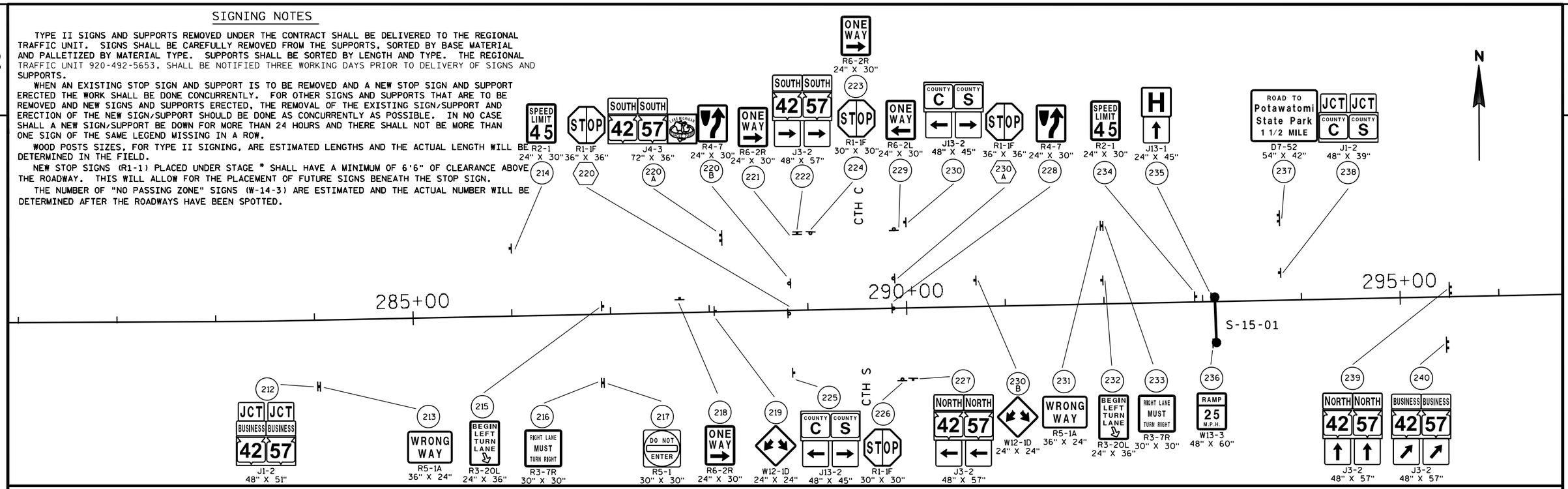


SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 44	E

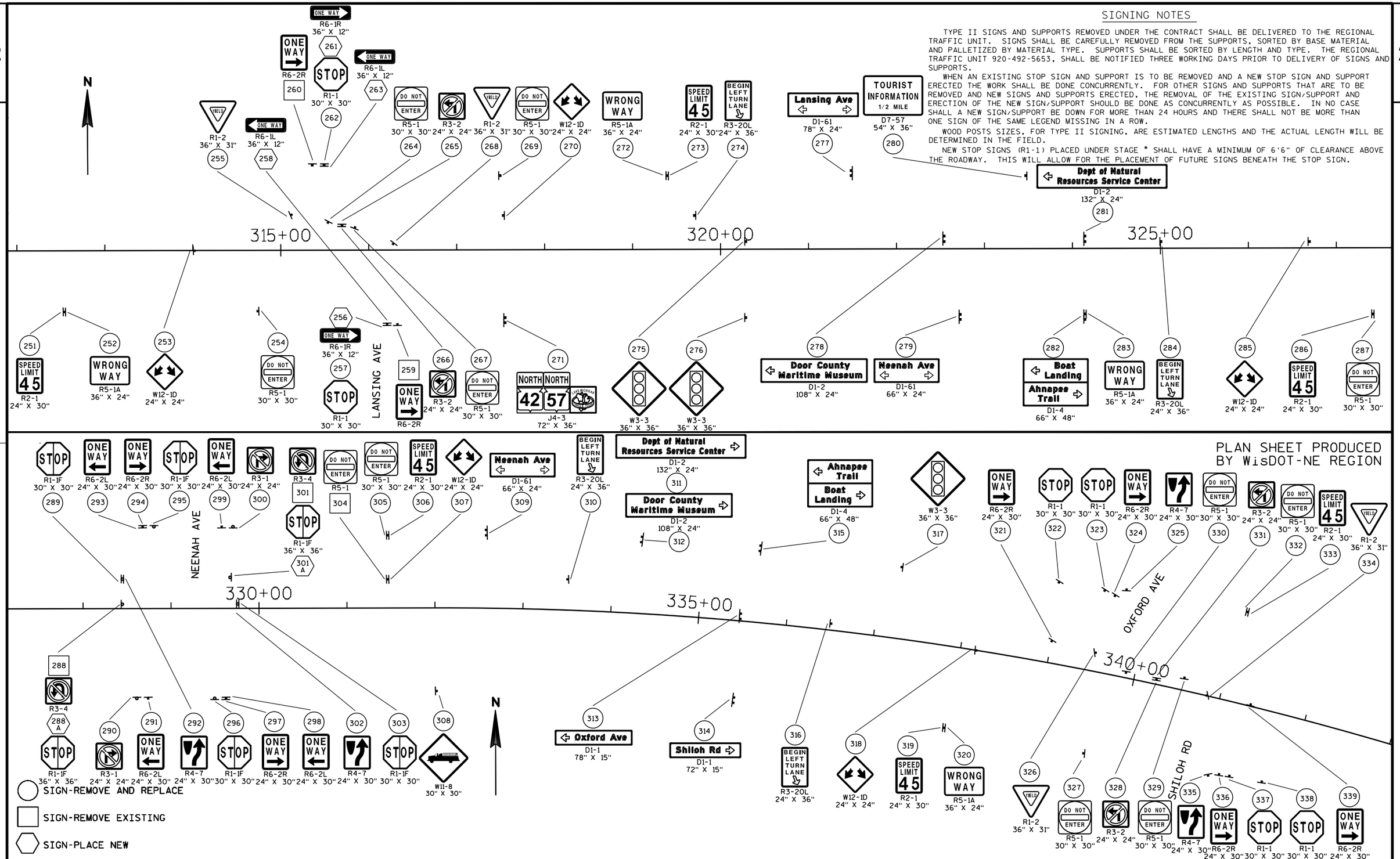
SIGNING NOTES

TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

NEW STOP SIGNS (R1-1) PLACED UNDER STAGE * SHALL HAVE A MINIMUM OF 6'6" OF CLEARANCE ABOVE THE ROADWAY. THIS WILL ALLOW FOR THE PLACEMENT OF FUTURE SIGNS BENEATH THE STOP SIGN.



PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 45	E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4140-20-72 STH 42_57 Door Co\023211_ps.dgn PLOT DATE : 25-SEP-2013 15:28 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 100:1

SIGNING NOTES

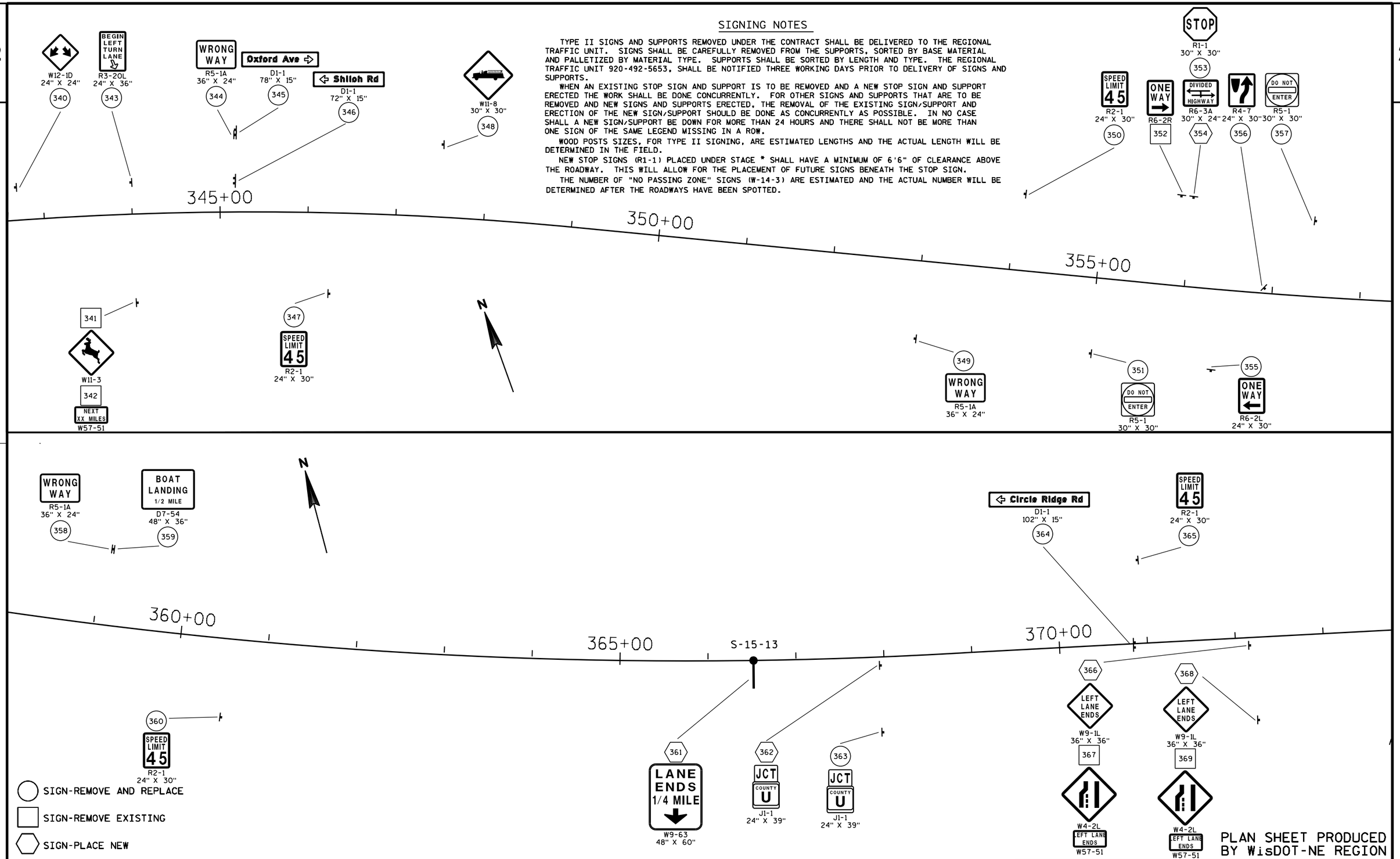
TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

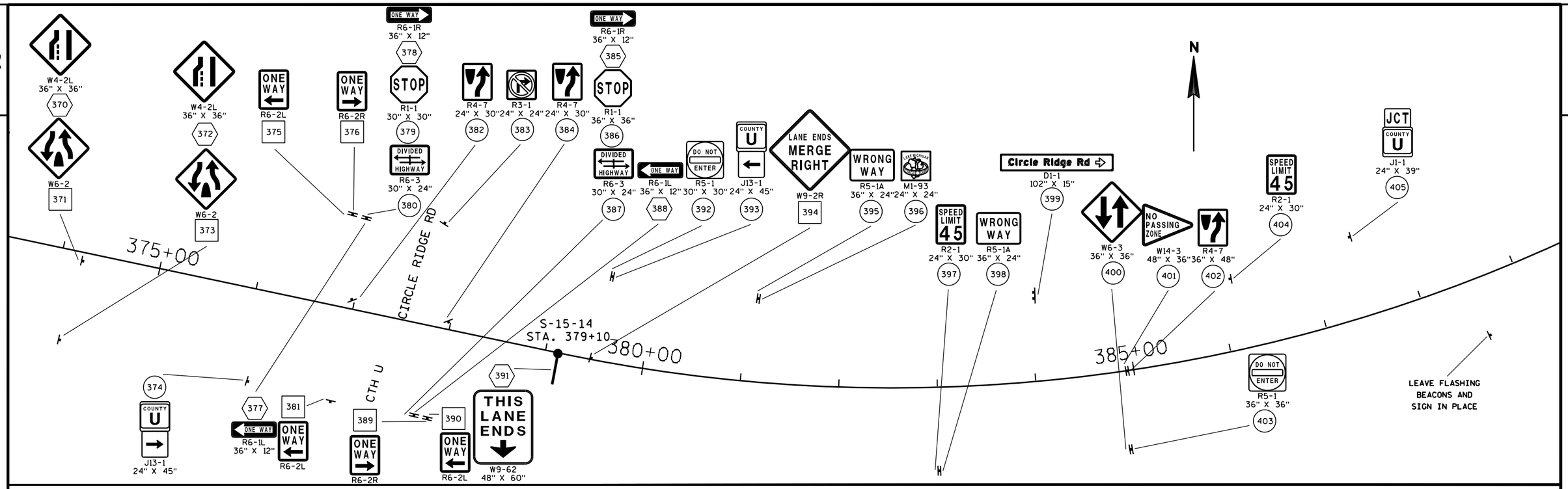
NEW STOP SIGNS (R1-1) PLACED UNDER STAGE * SHALL HAVE A MINIMUM OF 6'6" OF CLEARANCE ABOVE THE ROADWAY. THIS WILL ALLOW FOR THE PLACEMENT OF FUTURE SIGNS BENEATH THE STOP SIGN.

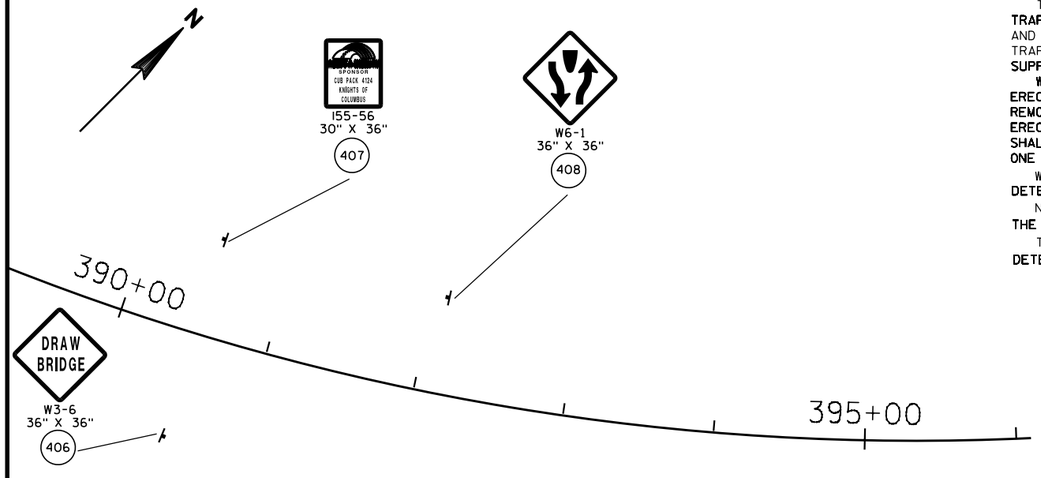
THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.



PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 46 E





SIGNING NOTES

TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL **TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL** AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND **SUPPORTS.**

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE **DETERMINED IN THE FIELD.**

NEW STOP SIGNS (R1-1) PLACED UNDER STAGE * SHALL HAVE A MINIMUM OF 6'6" OF CLEARANCE ABOVE **THE ROADWAY. THIS WILL ALLOW FOR THE PLACEMENT OF FUTURE SIGNS BENEATH THE STOP SIGN.**

THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE **DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.**

○ SIGN-REMOVE AND REPLACE

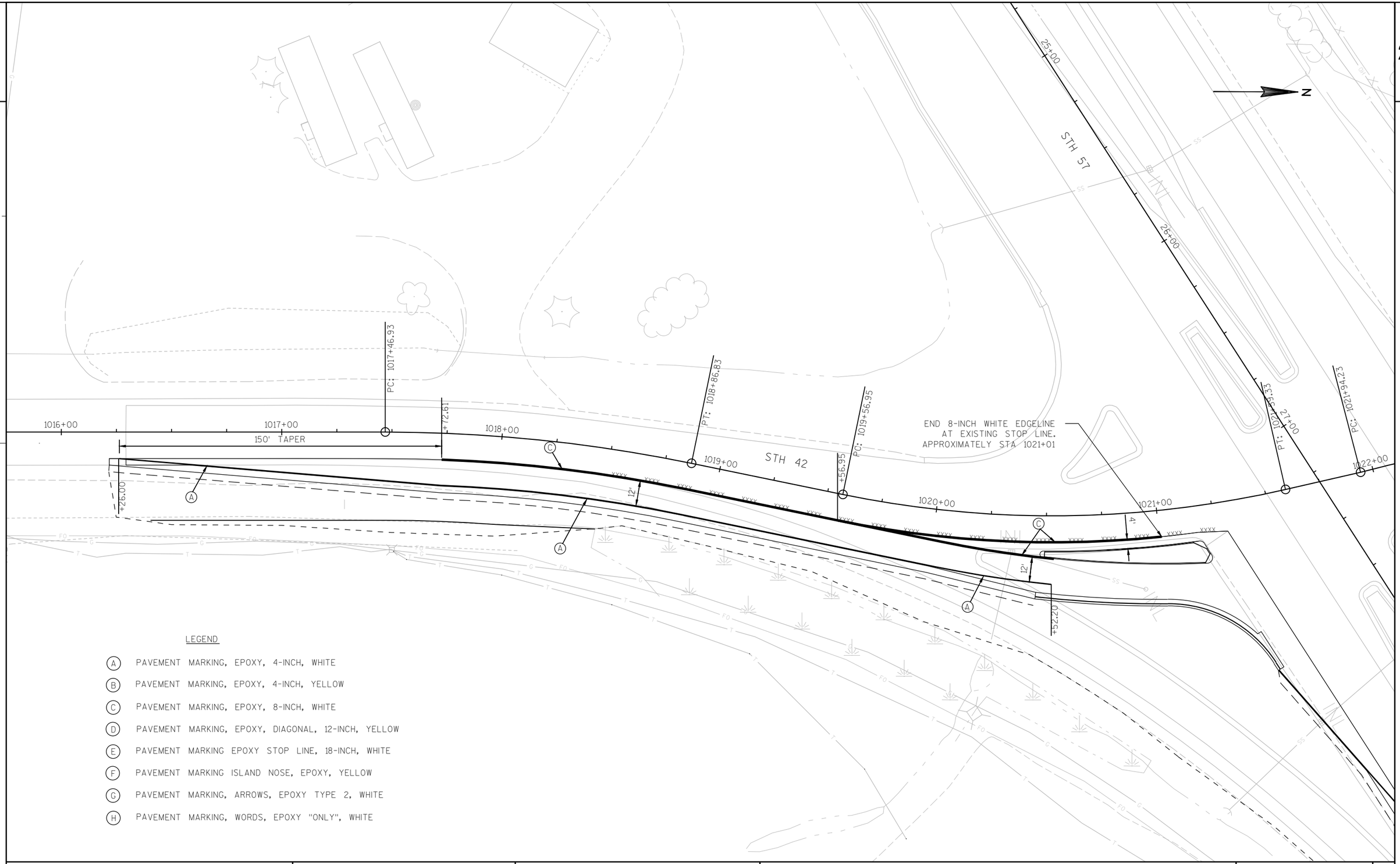
□ SIGN-REMOVE EXISTING

⬡ SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET 47	E

2



LEGEND

- (A) PAVEMENT MARKING, EPOXY, 4-INCH, WHITE
- (B) PAVEMENT MARKING, EPOXY, 4-INCH, YELLOW
- (C) PAVEMENT MARKING, EPOXY, 8-INCH, WHITE
- (D) PAVEMENT MARKING, EPOXY, DIAGONAL, 12-INCH, YELLOW
- (E) PAVEMENT MARKING EPOXY STOP LINE, 18-INCH, WHITE
- (F) PAVEMENT MARKING ISLAND NOSE, EPOXY, YELLOW
- (G) PAVEMENT MARKING, ARROWS, EPOXY TYPE 2, WHITE
- (H) PAVEMENT MARKING, WORDS, EPOXY "ONLY", WHITE

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT MARKING	SHEET 48	E

2

2

PT: 1023+67.35

1024+00

1023+00

1022+00

CTH MM

STH 42/57

100' TAPER

END OF EDGE LINE
SHALL MATCH EXISTING
END OF TAPER

PC: 34+55.71

28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+

RIPRAP

SIGN

LEGEND

- (A) PAVEMENT MARKING, EPOXY, 4-INCH, WHITE
- (B) PAVEMENT MARKING, EPOXY, 4-INCH, YELLOW
- (C) PAVEMENT MARKING, EPOXY, 8-INCH, WHITE
- (D) PAVEMENT MARKING, EPOXY, DIAGONAL, 12-INCH, YELLOW
- (E) PAVEMENT MARKING EPOXY STOP LINE, 18-INCH, WHITE
- (F) PAVEMENT MARKING ISLAND NOSE, EPOXY, YELLOW
- (G) PAVEMENT MARKING, ARROWS, EPOXY TYPE 2, WHITE
- (H) PAVEMENT MARKING, WORDS, EPOXY "ONLY", WHITE

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT MARKING	SHEET 49	E

2

2

N

STH 42/57

EXISTING TWLTL
LANE MARKINGS

237+00 238+00 239+00 240+00 241+00 242+00 243+00 244

+68.00 DOUBLE Ⓑ Ⓓ @25'SP. Ⓑ DOUBLE

+18.00 Ⓗ Ⓖ DOUBLE Ⓑ Ⓗ Ⓖ +18.00

20' 32' Ⓒ 32' 20'

*REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT WITH LEFT TURN LANE INCLUDING EDGE LINES AND ARROWS FROM STA 238+68-243+25.

LEGEND

- Ⓐ PAVEMENT MARKING, EPOXY, 4-INCH, WHITE
- Ⓑ PAVEMENT MARKING, EPOXY, 4-INCH, YELLOW
- Ⓒ PAVEMENT MARKING, EPOXY, 8-INCH, WHITE
- Ⓓ PAVEMENT MARKING, EPOXY, DIAGONAL, 12-INCH, YELLOW
- Ⓔ PAVEMENT MARKING EPOXY STOP LINE, 18-INCH, WHITE
- Ⓕ PAVEMENT MARKING ISLAND NOSE, EPOXY, YELLOW
- Ⓖ PAVEMENT MARKING, ARROWS, EPOXY TYPE 2, WHITE
- Ⓗ PAVEMENT MARKING, WORDS, EPOXY "ONLY", WHITE

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	PAVEMENT MARKING	SHEET 50	E

2

N

MM

ROAD WORK NEXT 5 MILES
G20-1
60" X 24"

ROAD WORK NEXT 3 MILES
G20-1
60" X 24"

ROAD WORK NEXT 4 MILES
G20-1
60" X 24"

ROAD WORK NEXT 2 MILES
G20-1
60" X 24"

ROAD WORK NEXT 5 MILES
G20-1
60" X 24"

ROAD WORK NEXT 7 MILES
G20-1
60" X 24"

END ROAD WORK
G20-2A
48"X24"

ROAD WORK NEXT 2 MILES
G20-1
60" X 24"

ROAD WORK NEXT 7 MILES
G20-1
60" X 24"

END ROAD WORK
G20-2A
48"X24"

PCMS SHALL BE USED FOR 1 WEEK PRIOR TO CONSTRUCTION

PCMS SHALL BE USED FOR 1 WEEK PRIOR TO CONSTRUCTION

MB

MB

57

42

57

42

S

0

ALABAMA ST
MICHIGAN ST
UTAH ST
W. MAPLE ST
STAGG RD
EMERALD DR
WILSON RD
FEEST RD
Y-INN RD
PARK DR
IDLEWILD RD
STONE RD
BIG CREEK RD
N. 14TH AVE
N. 18TH AVE
N. 3RD AVE
OREGON ST
S. COLUMBIA AVE
S. ASHLAND AVE
S. DULUTH AVE
S. OXFORD AVE
GREEN BAY RD
S. LANSING AVE
E YEW ST
S. NEENAH AVE
SHILOH RD
DIVISION RD
CLAY BANKS RD

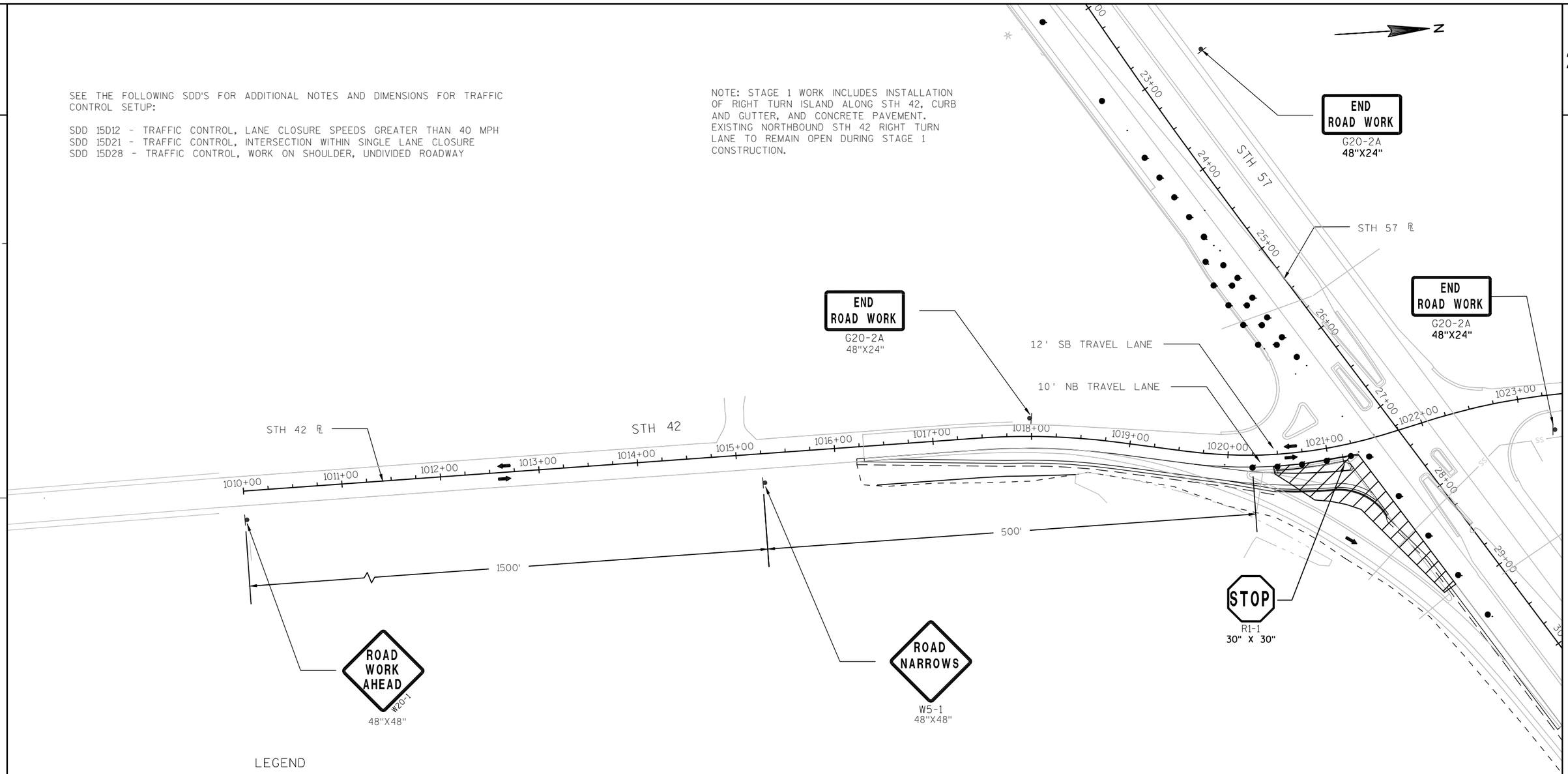
PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	TRAFFIC CONTROL OVERVIEW - STH 42/57	SHEET E

FILE NAME : F:\DOC_EXP\WIS-00015717-A0\CIVIL\SHEETSPLAN\025001_TC.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : THOMAS BOYKE PLOT NAME : ----------
WISDOT/CADDS SHEET 42

SEE THE FOLLOWING SDD'S FOR ADDITIONAL NOTES AND DIMENSIONS FOR TRAFFIC CONTROL SETUP:

SDD 15D12 - TRAFFIC CONTROL, LANE CLOSURE SPEEDS GREATER THAN 40 MPH
SDD 15D21 - TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
SDD 15D28 - TRAFFIC CONTROL, WORK ON SHOULDER, UNDIVIDED ROADWAY

NOTE: STAGE 1 WORK INCLUDES INSTALLATION OF RIGHT TURN ISLAND ALONG STH 42, CURB AND GUTTER, AND CONCRETE PAVEMENT. EXISTING NORTHBOUND STH 42 RIGHT TURN LANE TO REMAIN OPEN DURING STAGE 1 CONSTRUCTION.



LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

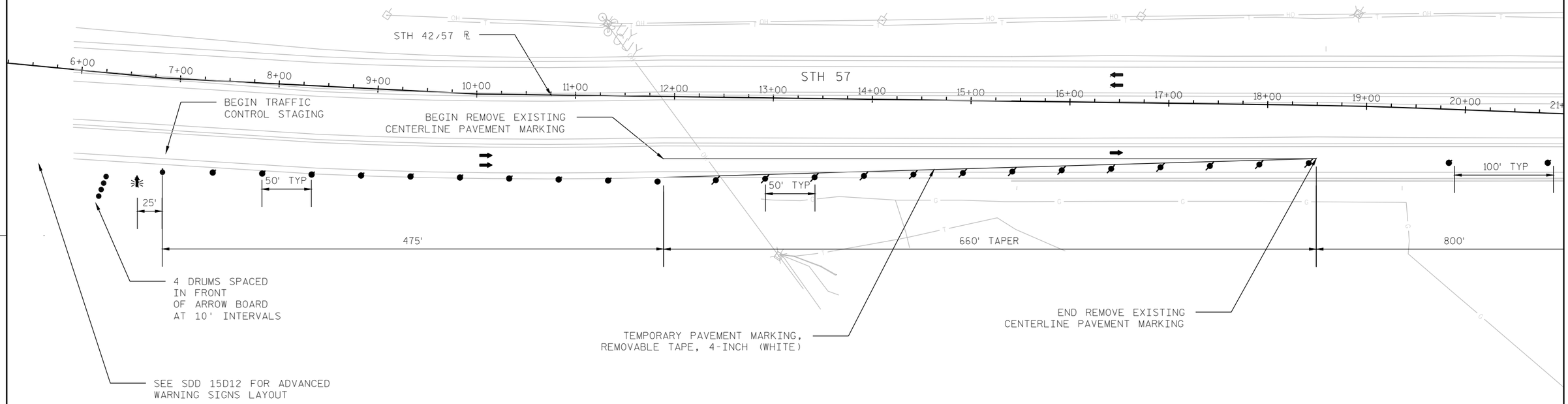
NOTES:
1. MAINTAIN ONE 12-FOOT MINIMUM LANE ALONG NORTHBOUND STH 57 AND STH 42/57 AT ALL TIMES.
2. MAINTAIN ONE 10-FOOT MINIMUM LANE ALONG NORTHBOUND STH 42 AT ALL TIMES.
3. THE CONTRACTOR SHALL COVER ANY SIGN CONFLICTING WITH THE TRAFFIC CONTROL IN OPERATION AS NEEDED OR AS DIRECTED BY THE ENGINEER. COVERING OF SIGNS IS INCLUDED IN "TRAFFIC CONTROL" ITEM.
4. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY BARRICADES, SIGNS, DIRECTIONAL ARROWS, LIGHTS, TEMPORARY MARKINGS, FLAGMEN, AND SAFETY DEVICES AS CALLED FOR ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
5. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
6. ALL SIGNS ARE 48"X48" EXCEPT OTHERWISE NOTED.
7. THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD LOCATIONS AS APPROVED BY THE ENGINEER IN THE FIELD.

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 1	SHEET 52	E

SEE THE FOLLOWING SDD FOR ADDITIONAL NOTES AND DIMENSIONS FOR TRAFFIC CONTROL SETUP:

SDD 15D12 - TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH

NOTE: STAGE 1 WORK INCLUDES INSTALLATION OF RIGHT TURN ISLAND ALONG STH 42, CURB AND GUTTER, AND CONCRETE PAVEMENT.



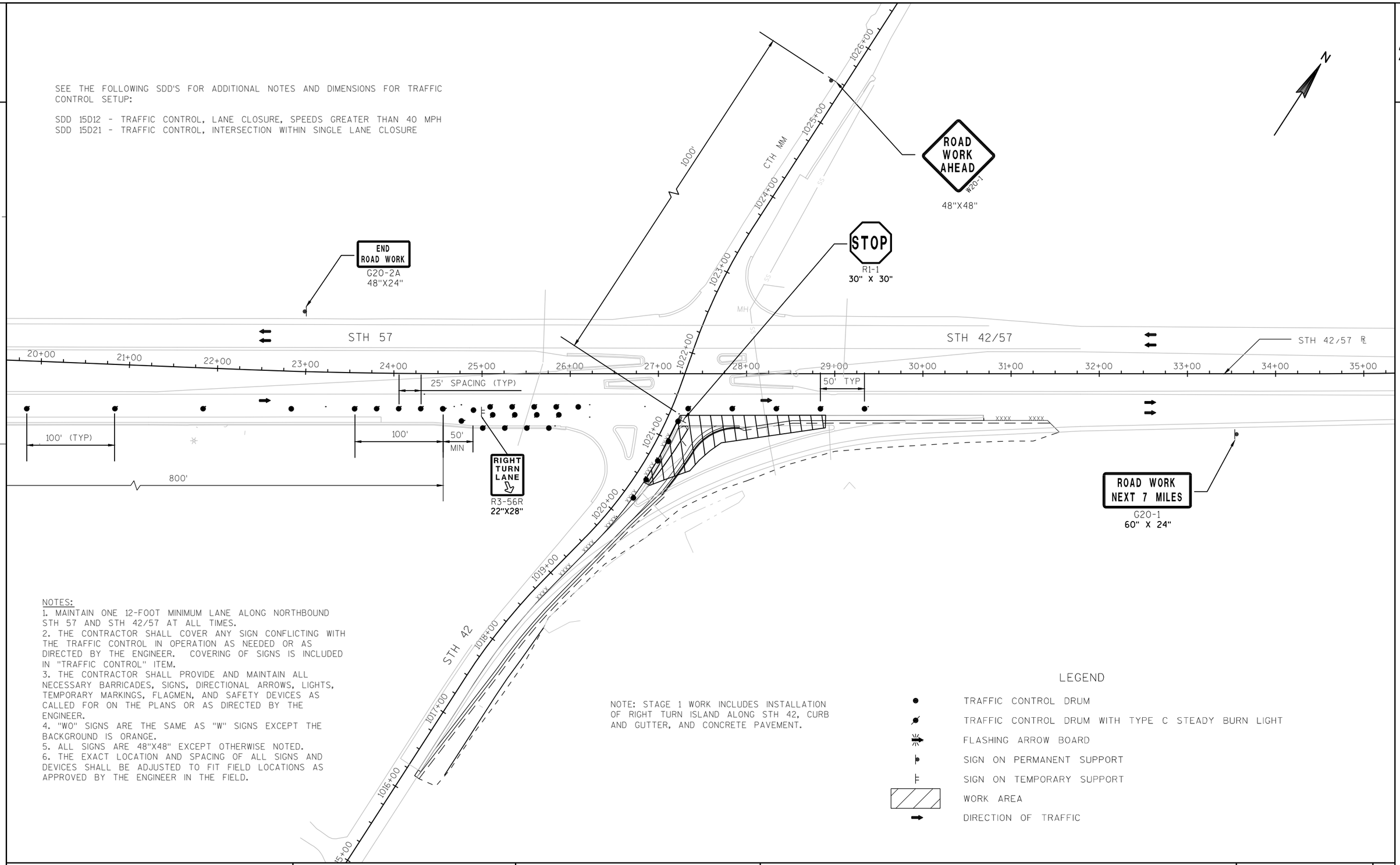
LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

NOTES:
1. MAINTAIN ONE 12-FOOT MINIMUM LANE ALONG NORTHBOUND STH 57 AND STH 42/57 AT ALL TIMES.
2. THE CONTRACTOR SHALL COVER ANY SIGN CONFLICTING WITH THE TRAFFIC CONTROL IN OPERATION AS NEEDED OR AS DIRECTED BY THE ENGINEER. COVERING OF SIGNS IS INCLUDED IN "TRAFFIC CONTROL" ITEM.
3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY BARRICADES, SIGNS, DIRECTIONAL ARROWS, LIGHTS, TEMPORARY MARKINGS, FLAGMEN, AND SAFETY DEVICES AS CALLED FOR ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
5. ALL SIGNS ARE 48"X48" EXCEPT OTHERWISE NOTED.
6. THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD LOCATIONS AS APPROVED BY THE ENGINEER IN THE FIELD.

SEE THE FOLLOWING SDD'S FOR ADDITIONAL NOTES AND DIMENSIONS FOR TRAFFIC CONTROL SETUP:

SDD 15D12 - TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH
SDD 15D21 - TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE



NOTES:
1. MAINTAIN ONE 12-FOOT MINIMUM LANE ALONG NORTHBOUND STH 57 AND STH 42/57 AT ALL TIMES.
2. THE CONTRACTOR SHALL COVER ANY SIGN CONFLICTING WITH THE TRAFFIC CONTROL IN OPERATION AS NEEDED OR AS DIRECTED BY THE ENGINEER. COVERING OF SIGNS IS INCLUDED IN "TRAFFIC CONTROL" ITEM.
3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY BARRICADES, SIGNS, DIRECTIONAL ARROWS, LIGHTS, TEMPORARY MARKINGS, FLAGMEN, AND SAFETY DEVICES AS CALLED FOR ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
5. ALL SIGNS ARE 48"X48" EXCEPT OTHERWISE NOTED.
6. THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD LOCATIONS AS APPROVED BY THE ENGINEER IN THE FIELD.

NOTE: STAGE 1 WORK INCLUDES INSTALLATION OF RIGHT TURN ISLAND ALONG STH 42, CURB AND GUTTER, AND CONCRETE PAVEMENT.

LEGEND

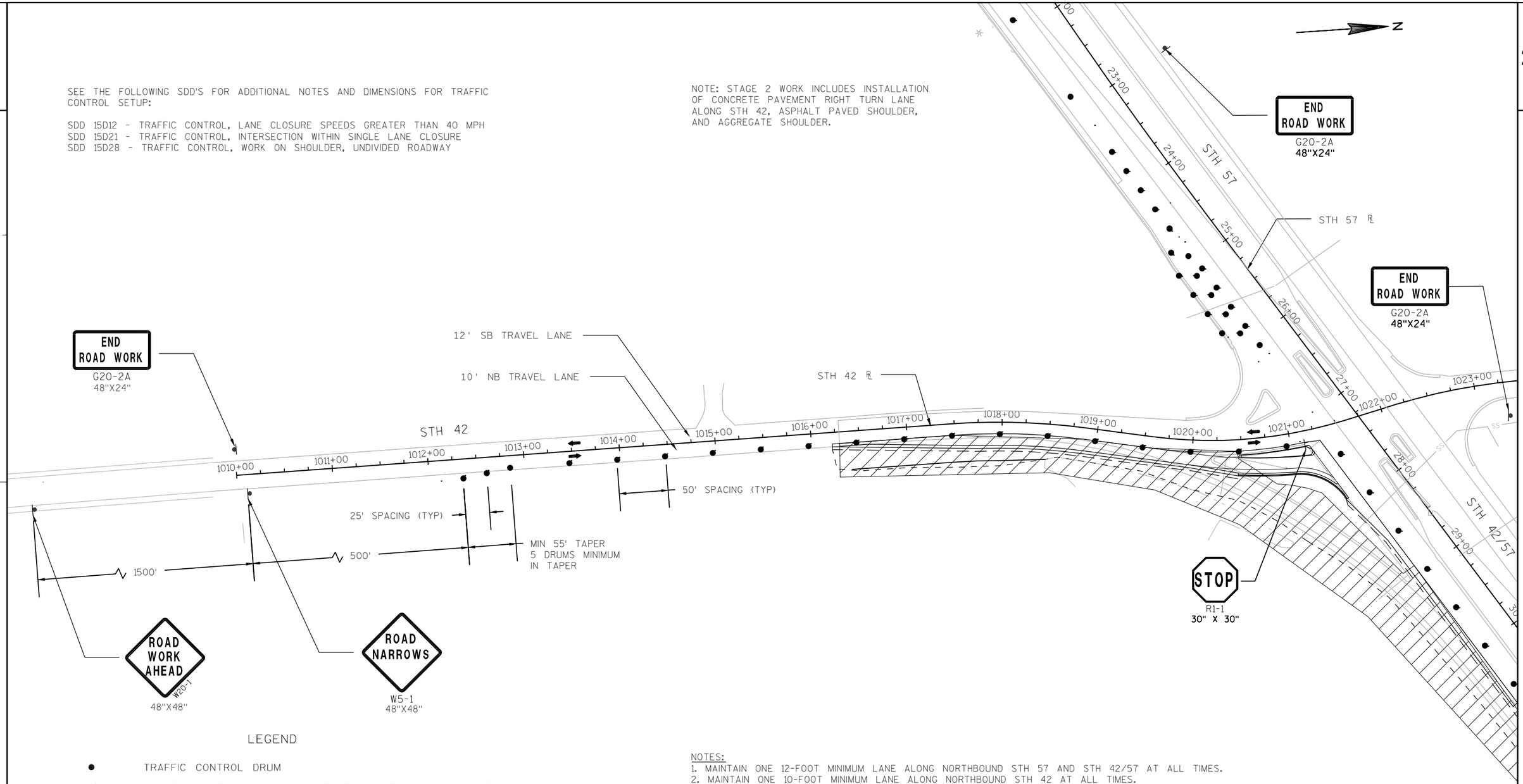
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 1	SHEET 54	E

SEE THE FOLLOWING SDD'S FOR ADDITIONAL NOTES AND DIMENSIONS FOR TRAFFIC CONTROL SETUP:

SDD 15D12 - TRAFFIC CONTROL, LANE CLOSURE SPEEDS GREATER THAN 40 MPH
SDD 15D21 - TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
SDD 15D28 - TRAFFIC CONTROL, WORK ON SHOULDER, UNDIVIDED ROADWAY

NOTE: STAGE 2 WORK INCLUDES INSTALLATION OF CONCRETE PAVEMENT RIGHT TURN LANE ALONG STH 42, ASPHALT PAVED SHOULDER, AND AGGREGATE SHOULDER.



LEGEND

- ● TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

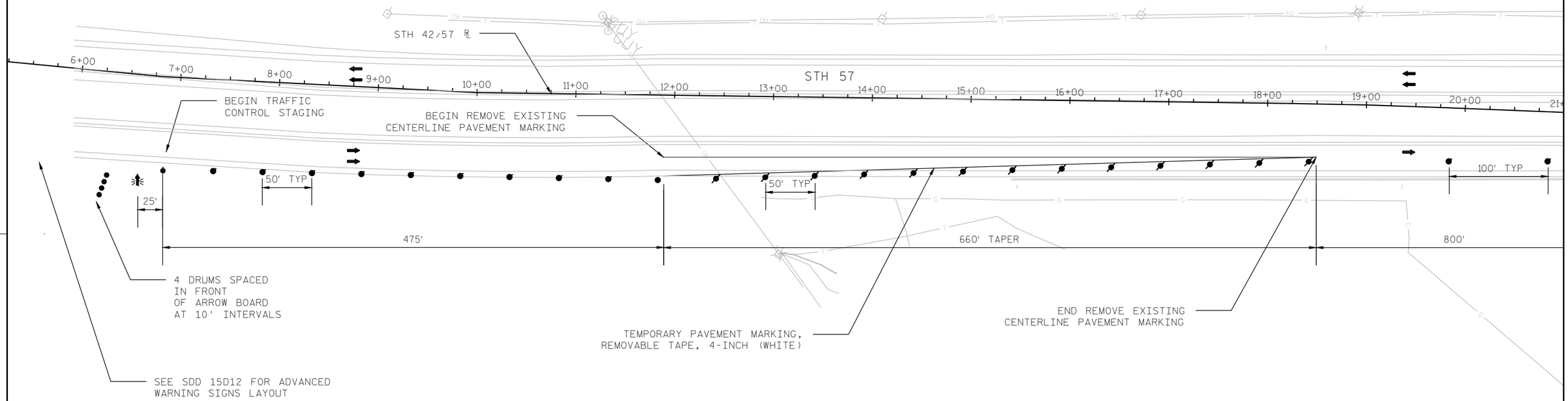
NOTES:
1. MAINTAIN ONE 12-FOOT MINIMUM LANE ALONG NORTHBOUND STH 57 AND STH 42/57 AT ALL TIMES.
2. MAINTAIN ONE 10-FOOT MINIMUM LANE ALONG NORTHBOUND STH 42 AT ALL TIMES.
3. THE CONTRACTOR SHALL COVER ANY SIGN CONFLICTING WITH THE TRAFFIC CONTROL IN OPERATION AS NEEDED OR AS DIRECTED BY THE ENGINEER. COVERING OF SIGNS IS INCLUDED IN "TRAFFIC CONTROL" ITEM.
4. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY BARRICADES, SIGNS, DIRECTIONAL ARROWS, LIGHTS, TEMPORARY MARKINGS, FLAGMEN, AND SAFETY DEVICES AS CALLED FOR ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
5. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
6. ALL SIGNS ARE 48"X48" EXCEPT OTHERWISE NOTED.
7. THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD LOCATIONS AS APPROVED BY THE ENGINEER IN THE FIELD.

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 2	SHEET 55	E

SEE THE FOLLOWING SDD FOR ADDITIONAL NOTES AND DIMENSIONS FOR TRAFFIC CONTROL SETUP:

SDD 15D12 - TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH

NOTE: STAGE 2 WORK INCLUDES INSTALLATION OF CONCRETE PAVEMENT RIGHT TURN LANE ALONG STH 42, ASPHALT PAVED SHOULDER, AND AGGREGATE SHOULDER.



LEGEND

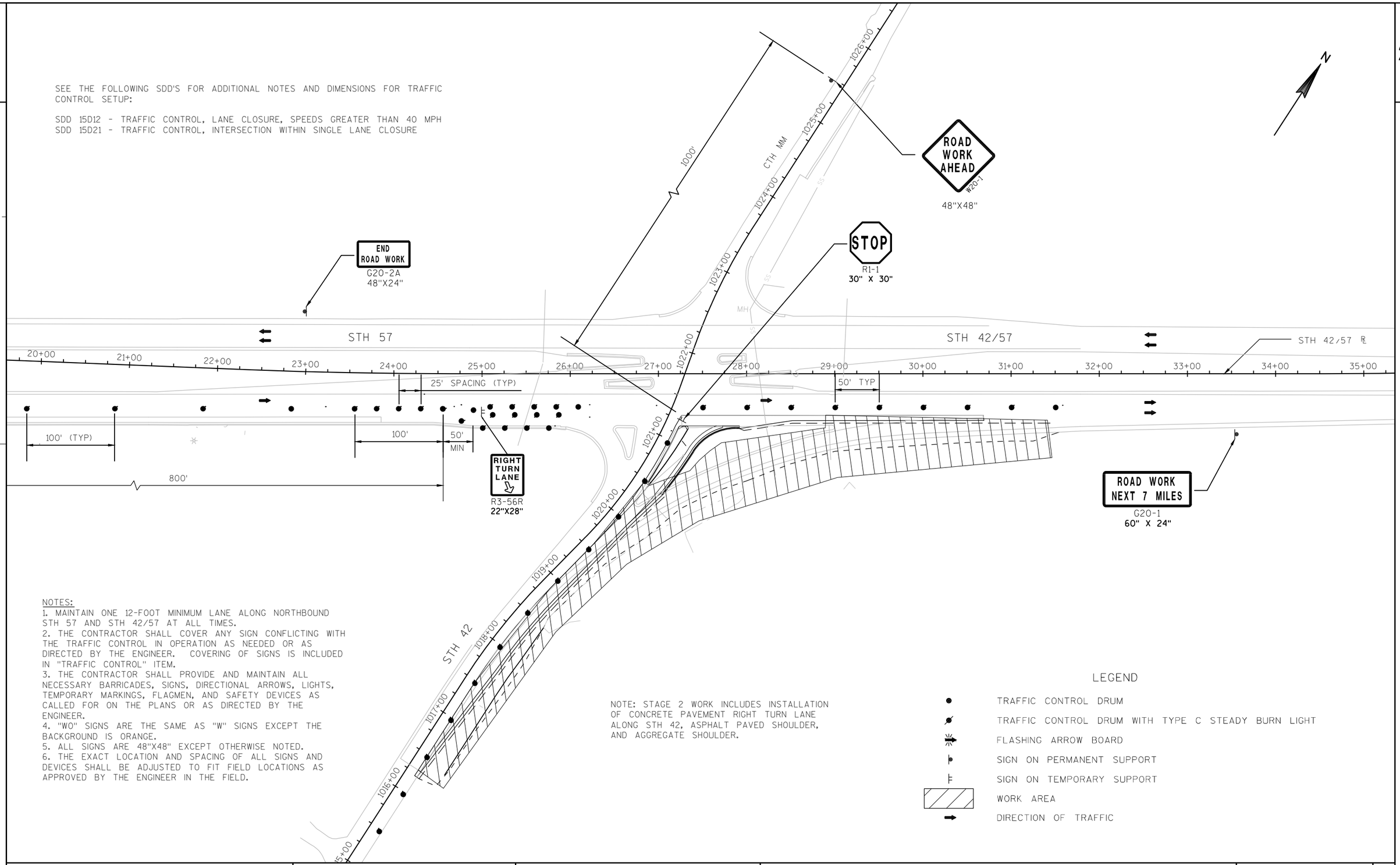
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

NOTES:
1. MAINTAIN ONE 12-FOOT MINIMUM LANE ALONG NORTHBOUND STH 57 AND STH 42/57 AT ALL TIMES.
2. THE CONTRACTOR SHALL COVER ANY SIGN CONFLICTING WITH THE TRAFFIC CONTROL IN OPERATION AS NEEDED OR AS DIRECTED BY THE ENGINEER. COVERING OF SIGNS IS INCLUDED IN "TRAFFIC CONTROL" ITEM.
3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY BARRICADES, SIGNS, DIRECTIONAL ARROWS, LIGHTS, TEMPORARY MARKINGS, FLAGMEN, AND SAFETY DEVICES AS CALLED FOR ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
5. ALL SIGNS ARE 48"X48" EXCEPT OTHERWISE NOTED.
6. THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD LOCATIONS AS APPROVED BY THE ENGINEER IN THE FIELD.

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 2	SHEET 56	E

SEE THE FOLLOWING SDD'S FOR ADDITIONAL NOTES AND DIMENSIONS FOR TRAFFIC CONTROL SETUP:

SDD 15D12 - TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH
SDD 15D21 - TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE



NOTES:
1. MAINTAIN ONE 12-FOOT MINIMUM LANE ALONG NORTHBOUND STH 57 AND STH 42/57 AT ALL TIMES.
2. THE CONTRACTOR SHALL COVER ANY SIGN CONFLICTING WITH THE TRAFFIC CONTROL IN OPERATION AS NEEDED OR AS DIRECTED BY THE ENGINEER. COVERING OF SIGNS IS INCLUDED IN "TRAFFIC CONTROL" ITEM.
3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY BARRICADES, SIGNS, DIRECTIONAL ARROWS, LIGHTS, TEMPORARY MARKINGS, FLAGMEN, AND SAFETY DEVICES AS CALLED FOR ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
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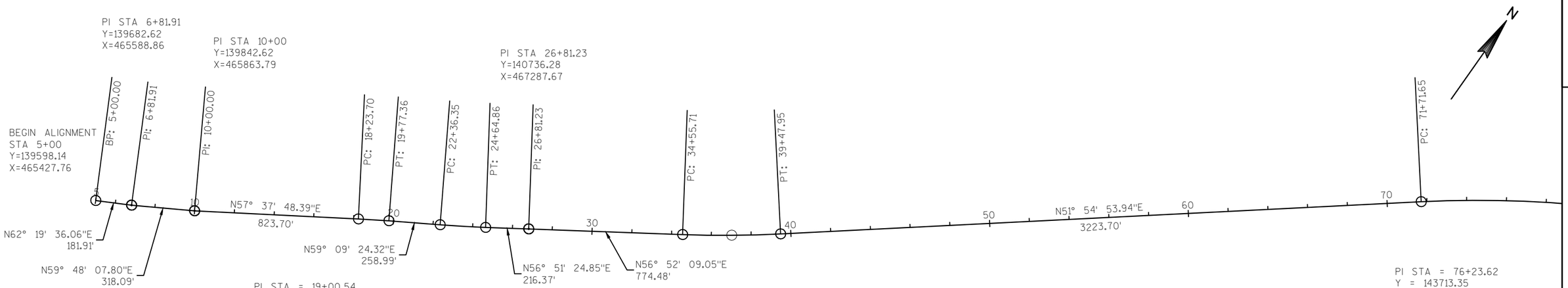
5. ALL SIGNS ARE 48"X48" EXCEPT OTHERWISE NOTED.
6. THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD LOCATIONS AS APPROVED BY THE ENGINEER IN THE FIELD.

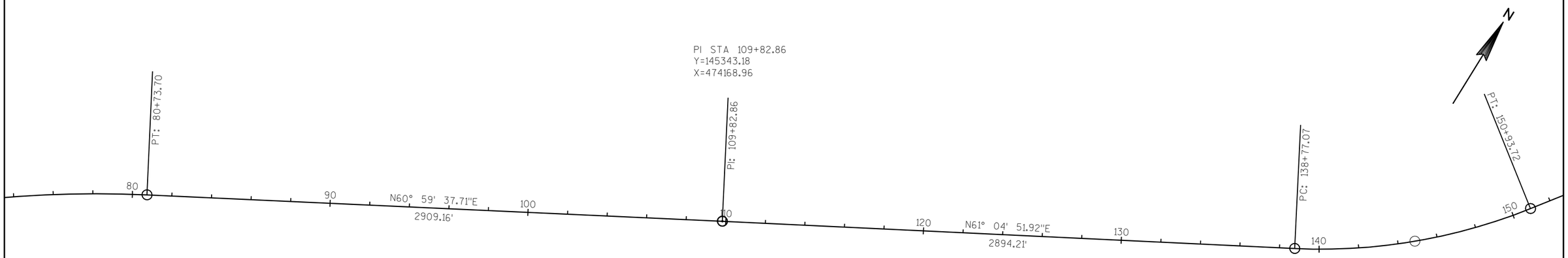
NOTE: STAGE 2 WORK INCLUDES INSTALLATION OF CONCRETE PAVEMENT RIGHT TURN LANE ALONG STH 42, ASPHALT PAVED SHOULDER, AND AGGREGATE SHOULDER.

LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 2	SHEET 57	E

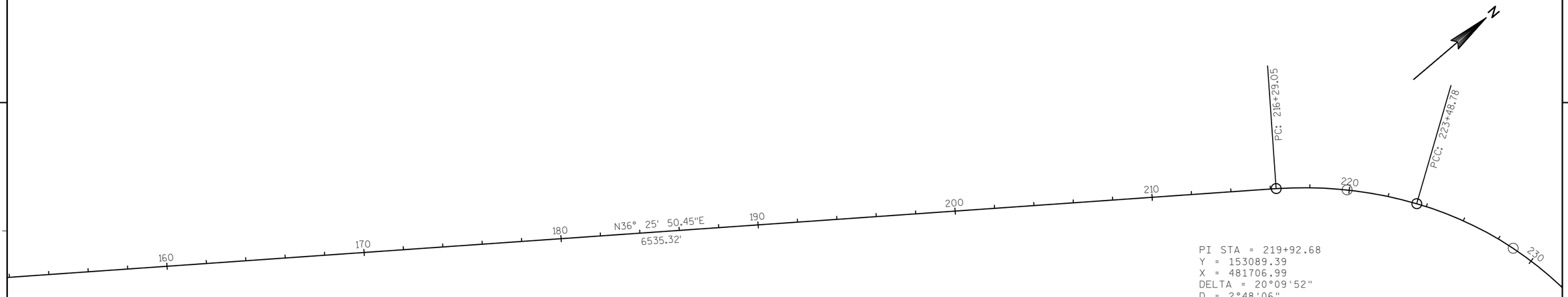




PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	ALIGNMENT DETAIL - STH 42/57	SHEET 58	E

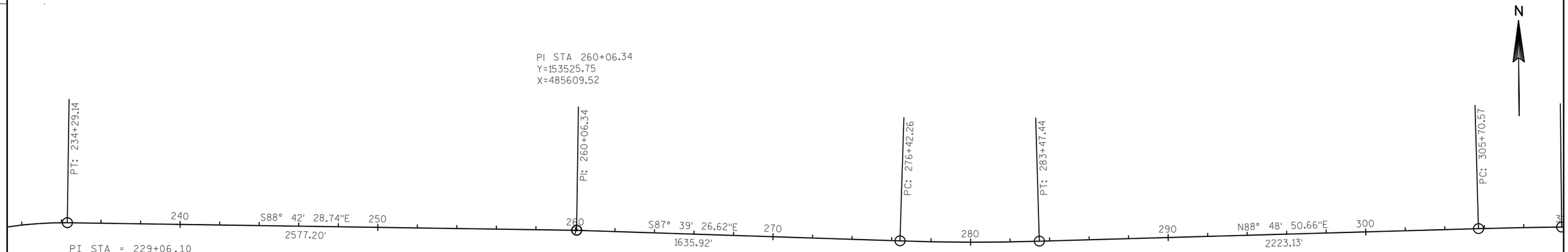
FILE NAME : F:\DOC_EXP\WIS-00015717-A0\CIVIL\SHEETSPLAN\027201_AD.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : THOMAS BOYKE PLOT NAME : ---------- PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2



PI STA = 219+92.68
Y = 153089.39
X = 481706.99
DELTA = 20°09'52"
D = 2°48'06"
T = 363.63
L = 719.73
R = 2045.08
PC STA = 216+29.05
PT STA = 223+48.78

PI STA = 229+06.10
Y = 153596.42
X = 482475.79
DELTA = 34°41'49"
D = 3°12'42"
T = 557.32
L = 1080.36
R = 1784.02
PC STA = 223+48.78
PT STA = 234+29.14



PI STA 260+06.34
Y=153525.75
X=485609.52

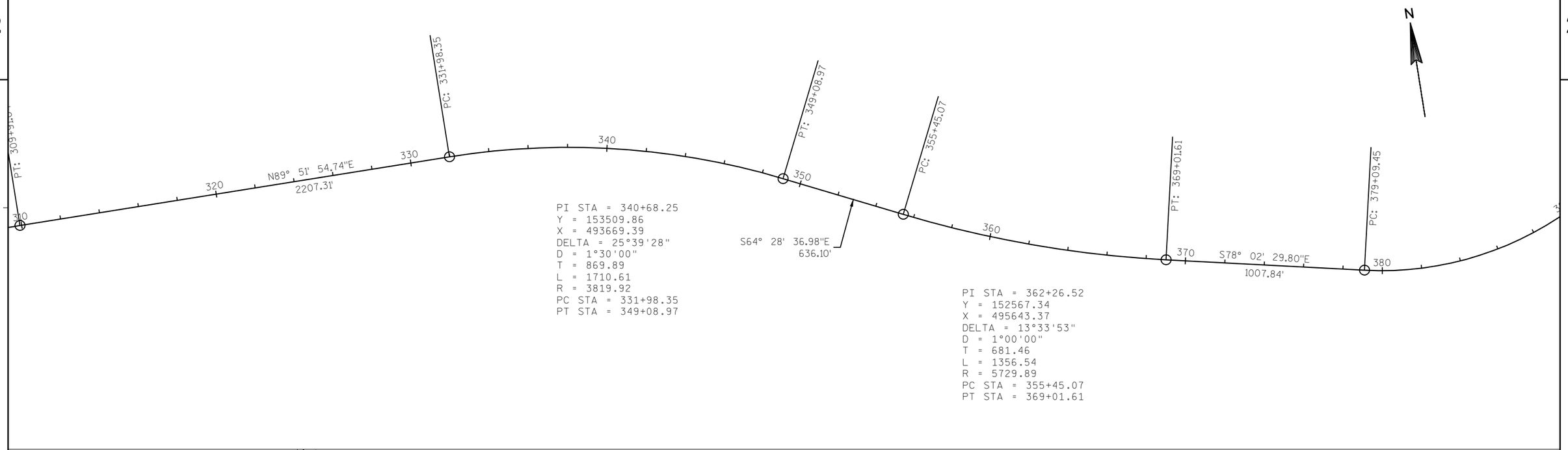
PI STA = 229+06.10
Y = 153596.42
X = 482475.79
DELTA = 34°41'49"
D = 3°12'42"
T = 557.32
L = 1080.36
R = 1784.02
PC STA = 223+48.78
PT STA = 234+29.14

PI STA = 279+94.96
Y = 153444.46
X = 487596.47
DELTA = 3°31'43"
D = 0°30'01"
T = 352.70
L = 705.18
R = 11450.58
PC STA = 276+42.26
PT STA = 283+47.44

PI STA = 307+80.81
Y = 153502.12
X = 490381.95
DELTA = 1°03'04"
D = 0°15'00"
T = 210.24
L = 420.47
R = 22919.47
PC STA = 305+70.57
PT STA = 309+91.04

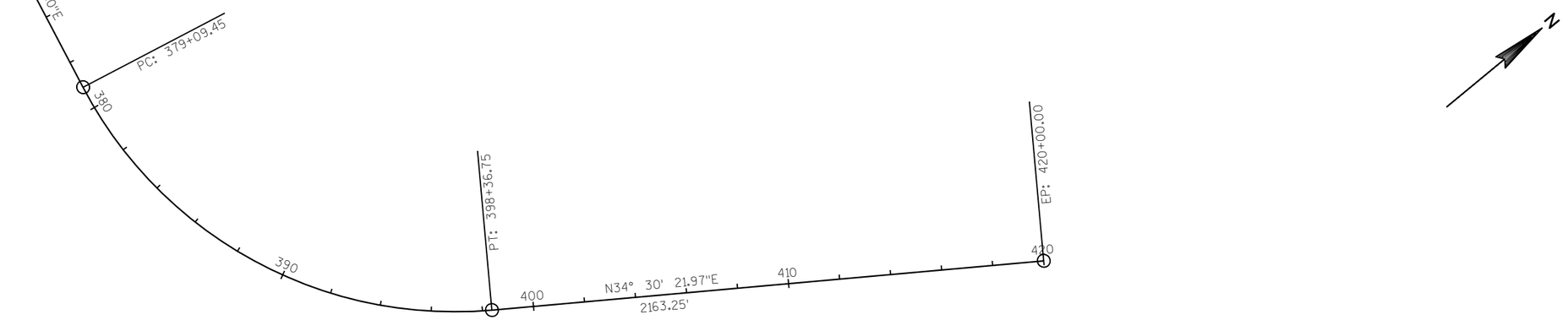
PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	ALIGNMENT DETAIL - STH 42/57	SHEET 59	E

2



PI STA = 340+68.25
Y = 153509.86
X = 493669.39
DELTA = 25°39'28"
D = 1°30'00"
T = 869.89
L = 1710.61
R = 3819.92
PC STA = 331+98.35
PT STA = 349+08.97

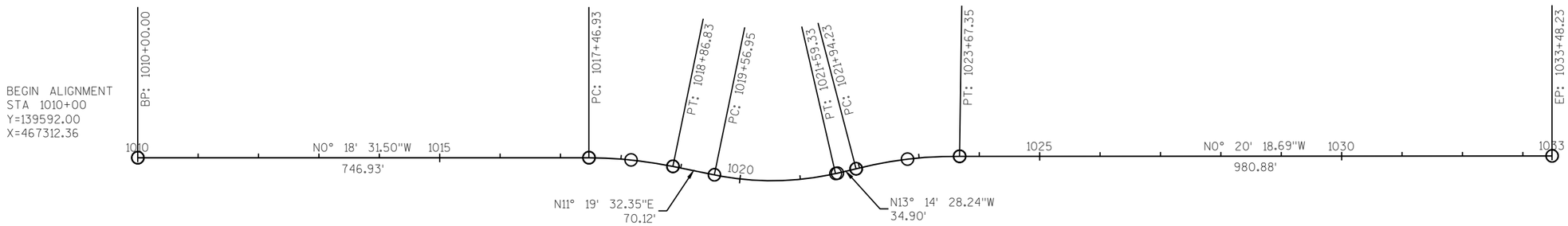
PI STA = 362+26.52
Y = 152567.34
X = 495643.37
DELTA = 13°33'53"
D = 1°00'00"
T = 681.46
L = 1356.54
R = 5729.89
PC STA = 355+45.07
PT STA = 369+01.61



PI STA = 390+02.34
Y = 151990.87
X = 498365.17
DELTA = 67°27'08"
D = 3°29'59"
T = 1092.89
L = 1927.30
R = 1637.10
PC STA = 379+09.45
PT STA = 398+36.75

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	ALIGNMENT DETAIL - STH 42/57	SHEET 60	E

2



PI STA = 1018+17.12
Y = 140409.11
X = 467307.96
DELTA = 11°38'04"
D = 8°18'57"
T = 70.20
L = 139.91
R = 689.00
PC STA = 1017+46.93
PT STA = 1018+86.83

PI STA = 1020+59.72
Y = 140647.46
X = 467355.69
DELTA = 24°34'01"
D = 12°08'20"
T = 102.77
L = 202.38
R = 472.00
PC STA = 1019+56.95
PT STA = 1021+59.33

PI STA = 1022+81.32
Y = 140865.62
X = 467301.76
DELTA = 15°24'41"
D = 8°54'07"
T = 87.09
L = 173.12
R = 643.63
PC STA = 1021+94.23
PT STA = 1023+67.35

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	ALIGNMENT DETAIL - STH 42/CTH MM	SHEET 61	E

DATE 17MAR14 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4140-20-72 QUANTITY	4140-27-60 QUANTITY
0010	204.0100	REMOVING PAVEMENT	SY	915.000	915.000	
0020	204.0110	REMOVING ASPHALTIC SURFACE	SY	840.000	840.000	
0030	204.0120	REMOVING ASPHALTIC SURFACE MILLING	SY	52,105.000		52,105.000
0040	204.0150	REMOVING CURB & GUTTER	LF	522.000	522.000	
0050	204.0220	REMOVING INLETS	EACH	3.000	3.000	
0060	204.0245	REMOVING STORM SEWER (SIZE) 01. 12-INCH	LF	144.000	144.000	
0070	205.0100	EXCAVATION COMMON	CY	841.000	841.000	
0080	209.0100	BACKFILL GRANULAR	CY	95.000	95.000	
0090	211.0200	PREPARE FOUNDATION FOR CONCRETE PAVEMENT (PROJECT) 01. 4140-20-72	LS	1.000	1.000	
0100	213.0100	FINISHING ROADWAY (PROJECT) 01. 4140-20-72	EACH	1.000	1.000	
0110	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	65.000	65.000	
0120	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	660.000	660.000	
0130	390.0403	BASE PATCHING CONCRETE SHES	SY	231.600		231.600
0140	415.0090	CONCRETE PAVEMENT 9-INCH	SY	1,080.000	1,080.000	
0150	416.0610	DRILLED TIE BARS	EACH	421.000	218.000	203.000
0160	416.0620	DRILLED DOWEL BARS	EACH	1,650.000	4.000	1,646.000
0170	416.1715	CONCRETE PAVEMENT REPAIR SHES	SY	736.400		736.400
0180	416.1725	CONCRETE PAVEMENT REPLACEMENT SHES	SY	904.500		904.500
0190	440.4410.S	INCENTIVE IRI RIDE	DOL	10,080.000		10,080.000
0200	455.0105	ASPHALTIC MATERIAL PG58-28	TON	336.000	1.000	335.000
0210	455.0605	TACK COAT	GAL	1,312.000	4.000	1,308.000
0220	460.1100	HMA PAVEMENT TYPE E-0.3	TON	25.000	25.000	
0230	460.1103	HMA PAVEMENT TYPE E-3	TON	6,028.000		6,028.000
0240	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	3,880.000		3,880.000
0250	520.7000	CLEANING CULVERT PIPES	EACH	8.000		8.000
0260	522.1012	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH	EACH	1.000	1.000	
0270	522.1018	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	EACH	3.000		3.000
0280	601.0115	CONCRETE CURB TYPE G	LF	158.000	158.000	
0290	601.0555	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A	LF	122.000	122.000	
0300	608.0312	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	LF	48.000	48.000	
0310	611.0530	MANHOLE COVERS TYPE J	EACH	1.000	1.000	
0320	611.0615	INLET COVERS TYPE F	EACH	1.000	1.000	
0330	611.0630	INLET COVERS TYPE HM-GJ	EACH	1.000	1.000	
0340	611.3230	INLETS 2X3-FT	EACH	1.000	1.000	
0350	611.3253	INLETS 2.5X3-FT	EACH	1.000	1.000	
0360	619.1000	MOBILIZATION	EACH	1.000	0.500	0.500
0370	620.0300	CONCRETE MEDIAN SLOPED NOSE	SF	26.000	26.000	
0380	625.0100	TOPSOIL	SY	3,220.000	2,950.000	270.000
0390	628.1104	EROSION BALES	EACH	6.000	6.000	
0400	628.1504	SILT FENCE	LF	765.000	765.000	
0410	628.1520	SILT FENCE MAINTENANCE	LF	765.000	765.000	
0420	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	2.000	2.000	
0430	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	2.000	2.000	
0440	628.2006	EROSION MAT URBAN CLASS I TYPE A	SY	3,220.000	2,950.000	270.000
0450	628.7005	INLET PROTECTION TYPE A	EACH	2.000	2.000	
0460	628.7015	INLET PROTECTION TYPE C	EACH	5.000	5.000	
0470	628.7504	TEMPORARY DITCH CHECKS	LF	20.000	20.000	
0480	629.0210	FERTILIZER TYPE B	CWT	4.000	3.000	1.000
0490	630.0130	SEEDING MIXTURE NO. 30	LB	61.000	55.000	6.000

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DATE 17MAR14 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4140-20-72 QUANTITY	4140-27-60 QUANTITY
0500	633.5200	MARKERS CULVERT END	EACH	11.000	1.000	10.000
0510	634.0614	POSTS WOOD 4X6-INCH X 14-FT	EACH	228.000		228.000
0520	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	92.000		92.000
0530	634.0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	4.000		4.000
0540	637.2210	SIGNS TYPE II REFLECTIVE H	SF	3,031.900		3,031.900
0550	637.2215	SIGNS TYPE II REFLECTIVE H FOLDING	SF	68.380		68.380
0560	637.2230	SIGNS TYPE II REFLECTIVE F	SF	276.000		276.000
0570	638.2602	REMOVING SIGNS TYPE II	EACH	487.000		487.000
0580	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	339.000		339.000
0590	641.8100	OVERHEAD SIGN SUPPORT (STRUCTURE) 01. STRUCTURE S-15-13	LS	1.000		1.000
0600	641.8100	OVERHEAD SIGN SUPPORT (STRUCTURE) 02. STRUCTURE S-15-14	LS	1.000		1.000
0610	642.5001	FIELD OFFICE TYPE B	EACH	1.000	0.500	0.500
0620	643.0100	TRAFFIC CONTROL (PROJECT) 01. 4140-20-72	EACH	1.000	1.000	
0630	643.0100	TRAFFIC CONTROL (PROJECT) 02. 4140-27-60	EACH	1.000		1.000
0640	643.0300	TRAFFIC CONTROL DRUMS	DAY	9,535.000	3,220.000	6,315.000
0650	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	1,390.000		1,390.000
0660	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	2,675.000		2,675.000
0670	643.0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	2,545.000	520.000	2,025.000
0680	643.0800	TRAFFIC CONTROL ARROW BOARDS	DAY	315.000	40.000	275.000
0690	643.0900	TRAFFIC CONTROL SIGNS	DAY	1,545.000	520.000	1,025.000
0700	643.1050	TRAFFIC CONTROL SIGNS PCMS	DAY	28.000		28.000
0710	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	32,570.000	1,285.000	31,285.000
0720	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	630.000	430.000	200.000
0730	646.0600	REMOVING PAVEMENT MARKINGS	LF	1,965.000	820.000	1,145.000
0740	647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	EACH	2.000		2.000
0750	647.0356	PAVEMENT MARKING WORDS EPOXY	EACH	2.000		2.000
0760	647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	LF	85.000		85.000
0770	647.0955	REMOVING PAVEMENT MARKINGS ARROWS	EACH	4.000		4.000
0780	649.0400	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH	LF	660.000	660.000	
0790	650.4000	CONSTRUCTION STAKING STORM SEWER	EACH	3.000	3.000	
0800	650.4500	CONSTRUCTION STAKING SUBGRADE	LF	825.000	825.000	
0810	650.5500	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	LF	280.000	280.000	
0820	650.7000	CONSTRUCTION STAKING CONCRETE PAVEMENT	LF	825.000	825.000	
0830	650.9920	CONSTRUCTION STAKING SLOPE STAKES	LF	870.000	870.000	
0840	652.0800	CONDUIT LOOP DETECTOR	LF	780.000		780.000
0850	653.0105	PULL BOXES STEEL 12X24-INCH	EACH	7.000		7.000
0860	653.0140	PULL BOXES STEEL 24X42-INCH	EACH	4.000		4.000
0870	653.0905	REMOVING PULL BOXES	EACH	4.000		4.000
0880	655.0700	LOOP DETECTOR LEAD IN CABLE	LF	3,960.000		3,960.000
0890	655.0800	LOOP DETECTOR WIRE	LF	2,400.000		2,400.000
0900	690.0150	SAWING ASPHALT	LF	10.000	10.000	
0910	690.0250	SAWING CONCRETE	LF	7,162.000	380.000	6,782.000
0920	715.0415	INCENTIVE STRENGTH CONCRETE PAVEMENT	DOL	500.000	500.000	
0930	SPV.0060	SPECIAL 01. GRATE CLEANING	EACH	1.000		1.000
0940	SPV.0060	SPECIAL 02. DITCH CLEANING	EACH	14.000		14.000

3

Division	From/To Station	Location	Common Excavation	Salvaged/Unusable Pavement Material (2)	Available Material (3)	Unexpanded Fill	Expanded Fill (4)	Mass Ordinate +/- (5)	Waste
			Cut (1)				Factor		
							1.15		
1	1016+25 to 1021+00	STH 42/CTH MM	519	93	426	40	46	380	380
Division 1 Subtotal			519	93	426	40	46	380	380
2	27+26-31+42	STH 42/57	323	165	158	1	1	157	157
Division 2 Subtotal			323	165	158	1	1	157	157
Grand Total			841	258	584	41	47	537	537

1) Salvaged/Unsuable Pavement Material is included in Cut.
2) Salvaged/Unusable Pavement Material
3) Available Material = Cut - Salvaged/Unusuable Pavement Material
4) Expanded Fill. Factor = 1.15
5) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

REMOVALS

LOCATION	STATION	TO	STATION	REMOVING PAVEMENT 204.0100 SY	REMOVING ASPHALTIC SURFACE 204.0110 SY	REMOVING CURB & GUTTER 204.0150 LF	REMOVE INLETS 204.0220 EACH	REMOVE STORM SEWER (12-INCH) 204.0245 LF	BACKFILL GRANULAR 209.0100 CY
PROJECT 4140-20-72									
STH 42/57	24+27	--	31+55	915	--	--	--	--	--
STH 42/57	24+27	--	31+60	--	840	--	--	--	--
STH 42/57	26+81	--	27+09	--	--	--	1	41	30
STH 42/57	26+81	--	27+28	--	--	--	1	63	65
STH 42/57	26+75	--	29+00	--	--	522	--	--	--
STH 42/57	28+94	--	28+95	--	--	--	1	40	--
			TOTALS	915	840	522	3	144	95

FINISHING ROADWAY

LOCATION	FINISHING ROADWAY 213.0100 EACH
PROJECT ID: 4140-20-72	1
TOTAL	1

MOBILIZATION

PROJECT ID	LOCATION	MOBILIZATION 619.1000 EACH
4140-20-72	STH 42/57	0.5
	PROJECT TOTAL	0.5
4140-27-60	STH 42	0.5
	PROJECT TOTAL	0.5
	TOTAL	1

EROSION CONTROL

LOCATION	STATION	TO	STATION	EROSION BALES 628.1104 EACH	SILT FENCE 628.1504 LF	SILT FENCE MAINTENANCE 628.1520 LF	INLET PROTECTION TYPE A 628.7005 EACH	INLET PROTECTION TYPE C 628.7015 EACH	TEMPORARY DITCH CHECKS 628.7504 LF
PROJECT 4140-20-72									
STH 42/57	24+31	-	31+58	--	--	--	--	--	--
STH 42/57	26+81	-	--	--	--	--	--	1	--
STH 42/57	27+07	-	--	--	--	--	1	1	--
STH 42/57	27+23	-	--	--	--	--	1	1	--
STH 42/57	28+22	-	--	--	--	--	--	1	--
STH 42/57	28+94	-	--	--	--	--	--	1	--
STH 42	1017+35	-	--	--	--	--	--	--	10
STH 42	1018+44	-	--	6	--	--	--	--	--
STH 42	1018+46	-	1021+30	--	665	665	--	--	--
STH 42	UNDISTRIBUTED			--	100	100	--	--	10
			TOTALS	6	765	765	2	5	20

PREPARE FOUNDATION

LOCATION	STATION	TO	STATION	PREPARE FOUNDATION FOR CONCRETE PAVEMENT 211.0200 LS
PROJECT 4140-20-72				
STH 42	1016+22	--	1021+29	1
TOTAL				1

MOBILIZATION EROSION CONTROL

LOCATION	MOBILIZATION EROSION CONTROL 628.1905 EACH	MOBILIZATION EMERGENCY EROSION CONTROL 628.1910 EACH
PROJECT 4140-20-72		
STH 42/57	2	2
TOTALS	2	2

3

CONCRETE BASE PATCHING

LOCATION	APPROX. STATION	APRROXIMATE SIZE OF BASE PATCH FOR INFORMATION ONLY L (FT)	W (FT)	BASE PATCHING CONCRETE SHES 390.0403 SY	DRILLED TIE BARS 416.0610 EACH	DRILLED DOWEL BARS 416.0620 EACH	SAWING CONCRETE 690.0250 LF
PROJECT 4140-27-60							
STH 42/57	57+05 LT	6	24	16.0	--	32	60
STH 42/57	58+20 LT	6	12	8.0	--	16	32
STH 42/57	60+00 LT	6	24	16.0	--	32	56
STH 42/57	62+25 LT	6	12	8.0	--	16	32
STH 42/57	64+15 LT	8	12	10.7	--	16	40
STH 42/57	91+10 RT	16	6	10.7	8	8	44
STH 42/57	91+80 RT	14	6	9.3	--	8	40
STH 42/57	92+40 RT	6	26	17.3	--	34	64
STH 42/57	121+00 RT	6	24	16.0	--	32	60
STH 42/57	134+40 RT	6	12	8.0	--	16	36
STH 42/57	134+70 RT	13	12	17.3	--	16	50
STH 42/57	153+10 LT	6	24	16.0	--	32	60
STH 42/57	154+10 LT	6	12	8.0	--	16	36
STH 42/57	154+60 LT	6	12	8.0	--	16	36
STH 42/57	163+30 LT	6	12	8.0	--	16	36
STH 42/57	169+10 LT	6	12	8.0	--	16	36
STH 42/57	174+20 LT	6	12	8.0	--	16	36
STH 42/57	179+10 LT	6	12	8.0	--	16	36
STH 42/57	193+50 LT	6	12	8.0	--	16	36
STH 42/57	197+80 LT	8	25	22.3	--	34	66
			TOTALS	231.6	8	404	892

SAWCUT PAVEMENT

LOCATION	STATION	TO	STATION	SAWING ASPHALT 690.0150 LF	SAWING CONCRETE 690.0250 LF
PROJECT 4140-20-72					
STH 42	1016+22	-	1016+29	10	--
STH 42	1018+49	-	1021+30	--	286
STH 42/57	30+68	-	31+54	--	94
			TOTALS	10	380

ASPHALT PAVEMENT MILL & OVERLAY WORK

LOCATION	STATION	TO	STATION	THICKNESS INCH	REMOVING ASPHALTIC SURFACE MILLING 204.0120 SY	ASPHALTIC MATERIAL PG58-28 455.0105 TON	TACK COAT 455.0605 GAL	HMA PAVEMENT TYPE E-0.3 460.1100 TON	HMA PAVEMENT TYPE E-3 460.1103 TON
PROJECT 4140-20-72									
STH 42	1016+22	-	1020+72	3.5	--	1	4	25	--
			PROJECT TOTALS		0	1	4	25	0
PROJECT 4140-27-60									
STH 42/57	42+10	-	42+75	2	160	1	4	--	19
STH 42/57	43+70	-	65+00	2	8285	53	210	--	960
STH 42/57	83+55	-	134+85	2	19950	130	500	--	2310
STH 42/57	152+95	-	213+50	2	23550	150	590	--	2720
STH 42/57	354+75	-	355+95	2	160	1	4	--	19
			PROJECT TOTALS		52105	335	1308	0	6028
			TOTALS		52105	336	1312	25	6028

PAVEMENT AND CURB AND GUTTER

LOCATION	STATION	TO	STATION	BASE AGGREGATE DENSE 3/4" 305.0110 TON	BASE AGGREGATE DENSE 1-1/4" 305.0120 TON	CONCRETE PAVEMENT 9-INCH 415.0090 SY	DRILLED TIE BARS 416.0610 EACH	DRILLED DOWEL BARS 416.0620 EACH	CONCRETE CURB TYPE G 601.0115 LF	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A 601.0555 LF	CONCRETE MEDIAN SLOPED NOSE 620.0300 SF
PROJECT 4140-20-72											
STH 42/57	27+93	--	31+44	30	180	215	90	4	--	--	--
STH 42	1016+22	--	1021+29	35	480	865	128	--	--	--	--
STH 42	1020+46	--	1021+43	--	--	--	--	--	--	122	--
STH 42	1020+48	--	1021+22	--	--	--	--	--	158	--	--
STH 42	1020+48	--	--	--	--	--	--	--	--	--	6
STH 42	1021+18	--	--	--	--	--	--	--	--	--	10
STH 42	1021+20	--	--	--	--	--	--	--	--	--	10
			TOTALS	65	660	1080	218	4	158	122	26

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

LOCATION	APPROX. STATION	APRROXIMATE SIZE OF CONCRETE REPAIR OR REPLACEMENT FOR INFORMATION ONLY L (FT)	W (FT)	CONCRETE PAVEMENT REPAIR SHES 416.1715 SY	CONCRETE PAVEMENT REPLACEMENT SHES 416.1725 SY	DRILLED TIE BARS 416.0610 EACH	DRILLED DOWEL BARS 416.0620 EACH	SAWING CONCRETE 690.0250 LF
PROJECT 4140-27-60								
STH 42/57	41+50 RT	6	26	17.3	--	--	36	64
STH 42/57	42+20 RT	6	26	17.3	--	--	36	64
STH 42/57	42+80 RT	6	26	17.3	--	--	36	64
STH 42/57	47+50 RT	6	26	17.3	--	--	36	64
STH 42/57	62+00 RT	6	12	8.0	--	--	16	36
STH 42/57	62+10 RT	38	14	8.0	59.1	9	36	128
STH 42/57	72+20 RT	8	26	23.1	--	--	36	68
STH 42/57	79+20 LT	4	26	11.6	--	--	36	60
STH 42/57	91+60 LT	30	4	--	13.3	8	6	68
STH 42/57	134+90 RT	6	12	8.0	--	--	16	36
STH 42/57	141+70 LT	6	4	2.7	--	--	4	20
STH 42/57	142+30 RT	10	12	13.3	--	--	16	44
STH 42/57	142+40 LT	6	26	14.7	--	--	36	64
STH 42/57	143+40 LT	8	6	5.3	--	--	8	28
STH 42/57	143+60 RT	15	14	23.3	--	--	20	58
STH 42/57	158+00 RT	10	26	28.9	--	--	36	72
STH 42/57	159+90 RT	10	12	13.3	--	--	16	44
STH 42/57	171+10 RT	25	26	--	72.2	--	36	102
STH 42/57	176+30 RT	30	14	--	46.7	8	20	88
STH 42/57	187+20 RT	20	14	--	31.1	4	20	68
STH 42/57	214+70 LT	10	7	7.8	--	--	10	34
STH 42/57	234+50 RT	6	14	9.3	--	--	20	40
STH 42/57	235+20 RT	6	14	9.3	--	--	20	40
STH 42/57	235+30 RT	16	12	--	21.3	4	16	56
STH 42/57	236+10 RT	20	14	--	31.1	4	20	68
STH 42/57	239+30 LT	4	14	6.2	--	--	20	36
STH 42/57	249+10 LT	10	14	15.6	--	--	20	48
STH 42/57	250+10 RT	6	14	9.3	--	--	20	40
STH 42/57	254+40 LT	6	12	8.0	--	--	16	36
STH 42/57	254+50 LT	6	14	9.3	--	--	20	40
STH 42/57	254+50 RT	6	26	17.3	--	--	36	64
STH 42/57	266+40 RT	30	7	--	23.3	8	10	74
STH 42/57	269+20 RT	16	7	--	12.4	4	10	46
STH 42/57	269+70 RT	38	14	--	59.1	9	20	104

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

LOCATION	APPROX. STATION	APRROXIMATE SIZE OF CONCRETE REPAIR OR REPLACEMENT FOR INFORMATION ONLY L (FT)	W (FT)	CONCRETE PAVEMENT REPAIR SHES 416.1715 SY	CONCRETE PAVEMENT REPLACEMENT SHES 416.1725 SY	DRILLED TIE BARS 416.0610 EACH	DRILLED DOWEL BARS 416.0620 EACH	SAWING CONCRETE 690.0250 LF
STH 42/57	272+20 RT	28	7	--	21.8	8	10	70
STH 42/57	273+20 LT	6	14	9.3	--	--	20	40
STH 42/57	276+50 RT	8	12	10.7	--	--	16	40
STH 42/57	283+30 RT	4	12	5.3	--	--	16	32
STH 42/57	289+20 RT	50	12	--	66.7	12	16	124
STH 42/57	290+50 RT	144	7	--	112.0	38	10	302
STH 42/57	295+20 RT	45	12	--	60.0	12	16	114
STH 42/57	298+40 RT	6	12	8.0	--	--	16	36
STH 42/57	298+50 RT	10	12	13.3	--	--	16	44
STH 42/57	299+90 LT	6	6	4.0	--	--	8	24
STH 42/57	300+20 RT	15	12	33.3	--	--	16	54
STH 42/57	308+20 RT	8	12	10.7	--	--	16	40
STH 42/57	315+70 RT	35	10	--	38.9	9	14	90
STH 42/57	326+70 RT	15	12	20.0	--	--	16	54
STH 42/57	330+20 RT	15	12	20.0	--	--	16	54
STH 42/57	331+20 RT	15	6	10.0	--	--	8	42
STH 42/57	332+10 RT	15	6	10.0	--	--	8	42
STH 42/57	332+50 RT	15	6	10.0	--	--	8	42
STH 42/57	335+10 RT	15	6	10.0	--	--	8	42
STH 42/57	335+40 RT	30	12	--	40.0	8	16	84
STH 42/57	335+80 RT	45	6	30.0	--	--	8	102
STH 42/57	338+20 RT	12	12	16.0	--	--	16	48
STH 42/57	342+10 RT	12	12	16.0	--	--	16	48
STH 42/57	343+00 LT	40	12	--	53.3	10	16	104
STH 42/57	355+60 LT	12	12	16.0	--	--	16	48
STH 42/57	359+20 RT	12	12	16.0	--	--	16	48
STH 42/57	363+20 RT	15	12	--	20.0	4	16	54
STH 42/57	378+20 RT	50	4	--	22.2	12	10	108
STH 42/57	384+10 RT	10	12	13.3	--	--	16	44
STH 42/57	386+60 RT	15	12	--	20.0	4	16	54
STH 42/57	395+40 LT	6	12	8.0	--	--	16	36
STH 42/57	ASHLAND INT	--	--	15.0	--	--	--	560
STH 42/57	NEENAH INT	--	--	30.0	--	--	--	1000
STH 42/57	UNDISTRIBUT	--	--	80.0	80.0	20	50	300
			TOTALS	736.4	904.5	195.0	1242.0	5890.0

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STORM STRUCTURE SUMMARY

STRUCTURE NO.	STATION	OFFSET FEET	LOCATION	RIM/EDGE OF PVMT. ELEV.	TOP STRUCT. ELEV.	FLOW LINE ELEV.	DEPTH FT.	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH 522.1012 EACH	INLETS 2X3-FT 611.3230 EACH	INLETS 2.5X3-FT 611.3253 EACH	MANHOLE COVERS TYPE J 611.0530 EACH	INLET COVERS TYPE F 611.0615 EACH	INLET COVERS TYPE HM-GJ 611.0630 EACH	MARKERS CULVERT END 633.5200 EACH
PROJECT 4140-20-72														
1A	1020+55.7	15.0 RT	STH 42	670.89	670.06	668.20	1.86	--	1	--	--	1	--	--
1B	1020+51.5	36.6 RT	STH 42	670.53	669.93	667.96	1.97	--	--	1	--	--	1	--
1C	1020+46.4	66.9 RT	STH 42	--	--	667.81	--	1	--	--	--	--	--	1
2	28+22.15	59.4 RT	STH 42/57	671.36	--	--	--	--	--	--	1	--	--	--
							TOTALS	1	1	1	1	1	1	1

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DRAINAGE REHABILITATION

LOCATION	APPROX. STATION	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH 522.1018 EACH	CLEANING CULVERT PIPES 520.7000 EACH	MARKERS CULVERT END 633.5200 EACH	GRATE CLEANING SPV.0060.01 EACH	DITCH CLEANING SPV.0060.02 EACH
PROJECT 4140-27-60						
STH 42/57	12+93 LT	--	--	--	1	--
STH 42/57	12+95 LT	--	--	--	--	1
STH 42/57	25+40 RT	--	1	--	--	1
STH 42/57	25+72 LT	--	1	--	--	1
STH 42/57	29+14 LT	--	1	1	--	1
STH 42/57	33+57 RT	--	1	1	--	1
STH 42/57	36+45 RT	--	1	1	--	1
STH 42/57	37+64 RT	--	--	1	--	1
STH 42/57	37+90 RT	1	--	1	--	1
STH 42/57	43+00 RT	--	1	1	--	1
STH 42/57	43+01 RT	1	--	1	--	1
STH 42/57	215+99 RT	1	1	1	--	1
STH 42/57	215+99 RT	--	--	1	--	1
STH 42/57	236+21 RT	--	--	1	--	1
STH 42/57	236+22 LT	--	1	--	--	1
	TOTALS	3	8	10	1	14

STORM SEWER SUMMARY

FROM STRUCTURE NO.	TO STRUCTURE NO.	INVERT ELEVATION	DISCHARGE ELEVATION	SLOPE %	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH 608.0312 LF
PROJECT 4140-20-72					
1A	1B	668.20	668.06	0.60	23
1B	1C	667.96	667.81	0.60	25
				TOTALS	48

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RESTORATION

LOCATION	STATION	TO	STATION	TOPSOIL 625.0100 SY	EROSION MAT URBAN CLASS I TYPE A 628.2006 SY	FERTILIZER TYPE B 629.0210 CWT	SEEDING MIXTURE NO.30 630.0130 LB
PROJECT 4140-20-72							
STH 42/57	24+31	-	31+58	2450	2450	2	45
STH 42/57	UNDISTRIBUTED			500	500	1	10
			PROJECT TOTALS	2950	2950	3	55
PROJECT 4140-27-60							
STH 42/57	12+95 LT			25	25	0.014	0.4
STH 42/57	25+40 RT			15	15	0.009	0.3
STH 42/57	25+72 LT			15	15	0.009	0.3
STH 42/57	29+14 LT			15	15	0.009	0.3
STH 42/57	33+57 RT			15	15	0.009	0.3
STH 42/57	36+45 RT			15	15	0.009	0.3
STH 42/57	37+64 RT			15	15	0.009	0.3
STH 42/57	37+90 RT			15	15	0.009	0.3
STH 42/57	43+00 RT			15	15	0.009	0.3
STH 42/57	43+01 RT			15	15	0.009	0.3
STH 42/57	215+99 RT			15	15	0.009	0.3
STH 42/57	215+99 RT			15	15	0.009	0.3
STH 42/57	236+21 RT			15	15	0.009	0.3
STH 42/57	236+22 LT			15	15	0.009	0.3
STH 42/57	UNDISTRIBUTED			50	50	0.030	1
			PROJECT TOTALS	270	270	1	6
			TOTALS	3220	3220	4	61

FIELD OFFICE

LOCATION	FIELD OFFICE TYPE B 642.5001 EACH
PROJECT: 4140-20-72	0.5
PROJECT TOTAL	0.5
PROJECT: 4140-27-60	0.5
PROJECT TOTAL	0.5
TOTAL	1

CONSTRUCTION STAKING

LOCATION	STATION	TO	STATION	CONSTRUCTION STAKING STORM SEWER 650.4000 EACH	CONSTRUCTION STAKING SUBGRADE 650.4500 LF	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER 650.5500 LF	CONSTRUCTION STAKING CONCRETE PAVEMENT 650.7000 LF	CONSTRUCTION STAKING SLOPE STAKES 650.9920 LF
PROJECT 4140-20-72								
STH 42	1016+22	-	1027+25	--	825	--	825	870
STH 42	1020+48	-	1021+22	--	--	158	--	--
STH 42	1020+75	-	1021+25	--	--	122	--	--
STH 42	1020+46	-	--	1	--	--	--	--
STH 42	1020+52	-	--	1	--	--	--	--
STH 42	1020+56	-	--	1	--	--	--	--
			TOTALS	3	825	280	825	870

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TRAFFIC CONTROL

LOCATION	STATION	TO	STATION	TRAFFIC CONTROL PROJECT 643.0100 EACH	TRAFFIC CONTROL DRUMS 643.0300 DAYS	TRAFFIC CONTROL BARRICADES TYPE III 643.0420 DAYS	TRAFFIC WARNING LIGHTS TYPE A 643.0705 DAYS	TRAFFIC WARNING LIGHTS TYPE C 643.0715 DAYS	TRAFFIC CONTROL ARROW BOARDS 643.0800 DAYS	TRAFFIC CONTROL SIGNS 643.0900 DAYS	TRAFFIC CONTROL SIGNS PCMS 643.1050 DAYS	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH 649.0400 LF	COMMENTS
PROJECT 4140-20-72													
STH 42/57	(PROJECT 4140-20-72)			1	--	--	--	--	--	--	--	--	--
STH 42/57	6+25	-	26+10	--	2080	--	--	520	40	200	--	--	STAGE 1/2
STH 42/57	11+90	-	18+50	--	--	--	--	--	--	--	--	660	STAGE 1/2
STH 42/57	27+25	-	31+50	--	270	--	--	--	--	30	--	--	STAGE 1
STH 42/57	27+25	-	31+50	--	270	--	--	--	--	30	--	--	STAGE 2
STH 42/57	33+50		--	--	--	--	--	--	--	60	--	--	--
STH 42	1000+00	-	1021+25	--	75	--	--	--	--	75	--	--	STAGE 1
STH 42	1000+00	-	1021+25	--	525	--	--	--	--	125	--	--	STAGE 2
			PROJECT TOTALS	1	3220	0	0	520	40	520	0	660	
PROJECT 4140-27-60													
STH 42/57	(PROJECT 41440-27-60)			1	--	--	--	--	--	--	--	--	--
STH 42/57	43+70	-	65+00	--	350	20	40	105	20	40	--	--	MILL/OVERLAY OPERATIONS
STH 42/57	83+55	-	134+85	--	925	60	115	185	30	60	--	--	MILL/OVERLAY OPERATIONS
STH 42/57	152+95	-	213+50	--	1350	110	220	235	40	75	--	--	MILL/OVERLAY OPERATIONS
STH 42/57	NB LANE 1 REHAB			--	1000	80	160	390	60	120	--	--	CONCRETE REPAIR/REPLAC.
STH 42/57	NB LANE 2 REHAB			--	1500	110	220	390	60	120	--	--	CONCRETE REPAIR/REPLAC.
STH 42/57	SB LANE 1 REHAB			--	170	50	100	160	25	50	--	--	CONCRETE REPAIR/REPLAC.
STH 42/57	SB LANE 2 REHAB			--	520	760	1520	260	40	80	--	--	CONCRETE REPAIR/REPLAC.
STH 42/57	UNDISTRIBUTED			--	500	200	300	300	--	480	28	--	
			PROJECT TOTALS	1	6315	1390	2675	2025	275	1025	28	0	
			TOTALS	2	9535	1390	2675	2545	315	1545	28	660	

PAVEMENT MARKINGS

LOCATION	STATION	TO	STATION	PAVEMENT MARKING EPOXY 4-INCH 646.0106 LF	PAVEMENT MARKING EPOXY 8-INCH 646.0123 LF	PAVEMENT MARKING ARROWS EPOXY TYPE 2 647.0163 EACH	PAVEMENT MARKING WORDS EPOXY 647.0356 EACH	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH 646.0726 LF
PROJECT 4140-20-72								
STH 42/47	11+90	-	18+50	165	--	--	--	--
STH 42/57	27+92	-	34+81	690	--	--	--	--
STH 42	1016+26	-	1020+52	430	--	--	--	--
STH 42	1019+57	-	1021+01	--	330	--	--	--
STH 42	1020+10	-	1020+51	--	100	--	--	--
			PROJECT TOTALS	1285	430	0	0	0
PROJECT 4140-27-60								
STH 42/57	43+70	-	65+00	4795	--	--	--	--
STH 42/57	83+55	-	134+85	11545	--	--	--	--
STH 42/57	152+95	-	213+50	13625	--	--	--	--
STH 42/57	238+68	-	240+18	320	--	--	--	--
STH 42/57	238+68	-	240+18	--	--	--	--	85
STH 42/57	240+18	-	242+18	400	--	--	--	--
STH 42/57	240+18	-	242+18	--	200	--	--	--
STH 42/57	240+30	-	242+00	--	--	2	2	--
STH 42/57	UNDISTRIBUTED (REPAIR AREAS)			600	--	--	--	--
			PROJECT TOTALS	31285	200	2	2	85
			TOTALS	32570	630	2	2	85

REMOVING PAVEMENT MARKINGS

LOCATION	STATION	TO	STATION	DESCRIPTION	REMOVING PAVEMENT MARKINGS 646.0600 LF	REMOVING PAVEMENT MARKINGS ARROWS 647.0955 EACH
PROJECT 4140-20-72						
STH 42/57	11+90	-	18+50	WHITE CL SKIPS	165	--
STH 42/57	27+25	-	28+90	WHITE EDGE LINE	165	--
STH 42/57	31+44	-	34+81	WHITE EDGE LINE	340	--
STH 42	1016+26	-	1017+73	WHITE EDGE LINE	150	--
			PROJECT TOTALS		820	0
PROJECT 4140-20-72						
STH 42/57	238+68	-	243+25	YELLOW EDGE LINE (LT/RT)	1145	4
			PROJECT TOTALS		1145	4
			TOTALS		1965	4

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PULL BOXES STEEL

LOCATION	PULL BOX 12X24-INCH 653.0105 EACH	PULL BOX 24X42-INCH 653.0140 EACH	REMOVE PULL BOX 653.0905 EACH
PROJECT 4140-20-72			
STH 42/57 & ASHLAND (S-831)	2	2	2
STH 42/57 & NEENAH (S-850)	5	2	2
TOTALS	7	4	4

LOOP DETECTORS

LOCATION	LOOP NO.	# OF TURNS	CONDUIT 652.0800 LF	LEAD IN CABLE 655.0700 LF	WIRE 655.0800 LF
PROJECT 4140-20-72					
STH 42/57 & ASHLAND (S-831)	21	4	65	510	270
	22	3	65	350	210
	61	3	75	420	210
	62	3	75	260	210
STH 42/57 & NEENAH (S-850)	21	4	65	530	270
	22	3	75	370	210
	41	2	95	30	190
	42	2	50	30	110
	61	--	--	530	--
	62	4	65	370	270
	81	3	95	280	260
	82	4	55	280	190
TOTALS			780	3960	2400

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ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2215 SIGNS TYPE II REFLECTIVE TYPE H FOLDING S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	641.8100 OVERHEAD SIGN SUPPORT (STRUCTURE) LS	REMARKS
1	STH 57, S. OF STH 42 JCT	R5-1A	42" X 30"	8.75			1			1	1		
2	"	J3-1	24" X 57"	9.50				1		3	1		SOUTH STH 42, SEE PLAN SHEET
3	"	R5-1	36" X 36"	9.00						1			MOUNT ON BACKSIDE OF SIGN #2
4	STH 42, CONNECTION WITH STH 57	R1-2	36" X 31"	3.88			1			1	1		
5	STH 57, S. OF STH 42 JCT	R3-20R	24" X 36"	6.00			1			1	1		
6	STH 42, E. OF STH 57	D1-3	90" X 36"	22.50			2			1	2		GREEN BAY, STURGEON BAY, GILLS ROCK, SEE SIGN DETAIL SHEET
7	"	D7-52R	60" X 42"	17.50			2			1	2		ROAD TO POTAWATOMI STATE PARK, SEE SIGN DETAIL SHEET
8	"	J4-1	24" X 36"	6.00			1			2	1		SOUTH STH 42, SEE PLAN SHEET
9	"	J3-3	72" X 57"	28.50				2		8	2		NORTH STH 42, NORTH STH 57, LAKE MICHIGAN CIRCLE TOUR
9A	"	J3-2	48" X 57"	19.00				1					SOUTH STH 57, CTH MM, SEE PLAN SHEET
10	"	I55-56	30" X 36"	7.50			1			1	1		BREAKFAST ROTARY CLUB
11	"	R5-1	30" X 30"	6.25			1			1	1		
12	"	J3-2								6	2		
13	"	J13-1								2	1		
14	"	W11-6								1	1		
15	STH 42, CONNECTION WITH STH 57	R1-1	36" X 36"	7.46				1		1	1		
16	"	R6-3	30" X 24"	5.00						1			MOUNT BELOW SIGN #15
17	"	J13-1								2	1		
18	"	R1-1	36" X 36"	7.46			1						
19	"	W4-1								1	1		
20	STH 57, CONNECTION WITH STH 42	R4-7	36" X 48"	12.00			1			1	1		
21	"	J4-2	72" X 54"	27.00			2			4	1		NORTH STH 42, NORTH STH 57
22	STH 57, S. OF STH 42 JCT	J13-1	24" X 45"	7.50				1		2	1		CTH MM, SEE PLAN SHEET
23	"	R5-1	36" X 36"	9.00						1			MOUNT ON BACKSIDE OF SIGN #22
24	"	W12-1D	30" X 30"			6.25	1			1	1		
25	"	R4-7	36" X 48"	12.00				1		1	1		
26	"	R5-1	36" X 36"	9.00			1			1	1		
27	"	J3-2	48" X 57"	19.00				1		6	1		NORTH STH 42, NORTH STH 57, SEE PLAN SHEET
28	CTH MM	R1-1	36" X 36"	7.46					1	1	1		
28A	"	R6-1R	36" X 12"	3.00									MOUNT ABOVE SIGN #28
28B	"	R6-3	30" X 24"	5.00									MOUNT BELOW SIGN #28
28C	"	R6-1L	36" X 12"	3.00									MOUNT ON BACKSIDE OF SIGN #28A
29	STH 57, CONNECTION WITH STH 42	R5-1	36" X 36"	9.00			1			1	1		
30	"	W12-1D	30" X 30"			6.25	1			1	1		
31	"	R5-1	36" X 36"	9.00						1			MOUNT ON BACKSIDE OF SIGN #32
32	"	J13-1	24" X 45"	7.50				1		2	1		CTH MM, SEE PLAN SHEET
33	"	R5-1	36" X 36"	9.00						1			MOUNT ON BACKSIDE OF SIGN #34
34	"	J3-1	24" X 57"	9.50				1		1	3		SOUTH STH 42, SEE PLAN SHEET
	PAGE SUBTOTALS			322.26	0.00	12.50	18	10	1	60	34	0	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2215 SIGNS TYPE II REFLECTIVE TYPE H FOLDING S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	641.8100 OVERHEAD SIGN SUPPORT (STRUCTURE) LS	REMARKS
35	STH 42/57, N. OF STH 42 JCT	R5-1A	42" X 30"	8.75						1			MOUNT ON BACKSIDE OF SIGN #36
36	"	J13-1	24" X 45"	7.50				1		1	1		LAKE MICHIGAN CIRCLE TOUR, SEE PLAN SHEET
37	"	R5-1A	42" X 30"	8.75						1			MOUNT ON BACKSIDE OF SIGN #38
38	"	R3-20L	24" X 36"	6.00			1			1	1		
39	"	R3-20R	24" X 36"	6.00			1			1	1		
40	"	D1-3	96" X 48"	32.00						1	2		GREEN BAY, ALGOMA, MANITOWOC, SEE SIGN DETAIL SHEET
41	"	R2-1	36" X 48"	12.00				1		1	1		55 MPH
42	"	J2-1	36" X 84"	21.00				1		3	1		SOUTH STH 57, SEE PLAN SHEET
43	"	J2-1	36" X 84"	21.00				1		3	1		SOUTH STH 42, SEE PLAN SHEET
44	"	M1-93	24" X 24"	4.00			1			1	1		
45	"	D1-1	84" X 21"	12.25			2						Y INN RD, SEE SIGN DETAIL SHEET
46	STH 42/57, S. OF Y INN RD	D2-3	126" X 48"	42.00				2		1	2		STURGEON BAY, SISTER BAY, GILLS ROCK, SEE SIGN DETAIL
47	"	R5-1A	42" X 30"	8.75			1			1	1		
48	"	I55-56	30" X 36"	7.50			1			1	1		OLD BOLTS CAR CLUB
49	"	R5-1	36" X 36"	9.00			1			1	1		
50	Y INN RD	R6-2R								1	1		
51	"	R1-1	30" X 30"	5.18				1		1	1		
52	"	R6-3A	30" X 24"	5.00						1			MOUNT BELOW SIGN #51
53	STH 42/57, N. OF Y INN RD	R4-7	36" X 48"	12.00				1		1	1		
54	"	R5-1	36" X 36"	9.00			1			1	1		
55	"	R5-1A	42" X 30"	8.75			1			1	1		
56	"	I55-56	30" X 36"	7.50			1			1	1		NORTHEAST WI TECH COLLEGE STURGEON BAY
57	"	R6-2R	24" X 30"	5.00			1			1	1		
58	"	R4-3	36" X 48"	12.00				1		1	1		
59	"	D1-1	84" X 21"	12.25			2			1	2		Y INN RD, SEE SIGN DETAIL SHEET
60	STH 42/57, S. OF IDLEWILD RD	R6-2R	24" X 30"	5.00			1			1	1		
61	"	D1-61	78" X 30"	16.25			2			1	2		IDLEWILD RD, SEE SIGN DETAIL SHEET
62	"	R5-1A	42" X 30"	8.75			1			1	1		
63	"	R3-1								1	1		
64	"	R5-1	36" X 36"	9.00			1			1	1		
65	IDLEWILD RD	R6-1R	36" X 12"	3.00									MOUNT ABOVE SIGN #66
66	"	R1-1	30" X 30"	5.18					1	1	1		
67	"	R6-3	30" X 24"	5.00						1			
68	"	R6-1L	36" X 12"	3.00									MOUNT ON BACKSIDE OF SIGN #65
69	"	R6-2R								1	1		
70	"	R6-2L								1			
71	STH 42/57, S. OF IDLEWILD RD	R4-7	36" X 48"	12.00				1		1	1		
72	IDLEWILD RD	R6-2L								1	1		
73	"	R6-2R								1			
	PAGE SUBTOTALS			350.36	0.00	0.00	19	10	1	40	34	0	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2215 SIGNS TYPE II REFLECTIVE TYPE H FOLDING S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	641.8100 OVERHEAD SIGN SUPPORT (STRUCTURE) LS	REMARKS
74	IDLEWILD RD	R6-1R	36" X 12"	3.00									MOUNT ABOVE SIGN #75
75	"	R1-1	30" X 30"	5.18					1	1	1		
76	"	R6-3	30" X 24"	5.00						1			MOUNT BELOW SIGN #75
77	"	R6-1L	36" X 12"	3.00									MOUNT ON BACKSIDE OF SIGN #74
78	STH 42/57, N. OF IDLEWILD RD	R4-7	36" X 48"	12.00				1		1	1		
79	"	R3-1								1	1		
80	"	R5-1	36" X 36"	9.00			1			1	1		
81	"	R6-2R	24" X 30"	5.00			1			1	1		
82	"	R5-1A	42" X 30"	8.75			1			1	1		
82A	"	D1-61	78" X 30"	16.25			2			1	2		IDLEWILD RD, SEE SIGN DETAIL SHEET
83	STH 42/57, S. OF CTH O	J1-1	36" X 57"	14.25				1		2	1		JCT CTH O
84	"	J1-1	36" X 57"	14.25				1		2	1		JCT CTH O
85	"	R4-3	36" X 48"	12.00				1		1	1		
86	"	R2-1	36" X 48"	12.00			1			1	1		55 MPH
87	"	J4-2	72" X 54"	27.00			2			4	1		SOUTH STH 42, SOUTH STH 57
88	"	R5-1A	42" X 30"	8.75			1			1	1		
89	"	R5-1	36" X 36"	9.00			1			1	1		
90	"	J13-1	36" X 66"	16.50				1		2	1		CTH O, SEE PLAN SHEET
91	"	R4-7	36" X 48"	12.00				1		1	1		
92	"	R6-2L	24" X 30"	5.00			1			1	1		
93	CTH O	R6-1R	36" X 12"	3.00									MOUNT ABOVE SIGN #94
94	"	R1-1	36" X 36"	7.46					1	1	1		
95	"	R6-3A	30" X 24"	5.00						1			MOUNT BELOW SIGN #94
96	"	R6-2R								1	1		
97	"	J3-2	48" X 57"	19.00									NORTH STH 42, NORTH STH 57, SEE PLAN SHEET
98	STH 42/57, N. OF CTH O	R5-1	36" X 36"	9.00			1			1	1		
99	"	J4-2	72" X 54"	27.00			2			4	1		NORTH STH 42, NORTH STH 57
100	"	R5-1A	42" X 30"	8.75						1			MOUNT ON BACKSIDE OF SIGN #101
101	"	J13-1	36" X 66"	16.50				1		1	1		CTH O, SEE PLAN SHEET
102	"	J13-1								2	1		
103	"	R2-1	36" X 48"	12.00				1		1	1		55 MPH
104	"	R4-3	36" X 48"	12.00				1		1	1		
105	"	J1-1	36" X 57"	14.25				1		2	1		JCT CTH O
106	"	J1-1	36" X 57"	14.25				1					JCT CTH O
107	"	D1-1	102" X 21"	14.88			2			1	2		EMERALD DR, SEE SIGN DETAIL SHEET
108	"	R5-1A	42" X 30"	8.75			1			1	1		
109	"	I55-56	30" X 36"	7.50			1			1	1		NORTHEAST WI TECH COLLEGE STURGEON BAY
110	STH 42/57, AT EMERALD DR INTERSECTION	R5-1	36" X 36"	9.00			1			1	1		
	PAGE SUBTOTALS			386.27	0.00	0.00	19	11	2	44	32	0	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2215 SIGNS TYPE II REFLECTIVE TYPE H FOLDING S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	641.8100 OVERHEAD SIGN SUPPORT (STRUCTURE) LS	REMARKS
111	STH 42/57, AT EMERALD DR INTERSECTION	R4-7	36" X 48"	12.00				1		1	1		
112	EMERALD DR	R1-1	30" X 30"	5.18			1			1	1		
113	STH 42/57, AT EMERALD DR INTERSECTION	R6-2L	24" X 30"	5.00			1			1	1		
114	EMERALD DR	R1-1	30" X 30"	5.18			1			1	1		
115	"	R6-3A	30" X 24"	5.00						1			MOUNT BELOW SIGN #114
116	"	R6-2R								1	1		
117	"	R5-1	36" X 36"	9.00			1			1	1		
118	STH 42/57, N. OF EMERALD DR	I55-56	30" X 36"	7.50			1			1	1		STURGEON BAY LIONS CLUB
119	"	R5-1A	42" X 30"	8.75			1			1	1		
120	"	D1-1	102" X 21"	14.88			2			1	2		EMERALD DR, SEE SIGN DETAIL SHEET
121	"	W21-62								1	2		
122	STH 42/57, S. OF CTH PD	R4-3	36" X 48"	12.00				1		1	1		
123	"	J1-1	36" X 57"	14.25				1					JCT CTH PD
124	"	J1-1	36" X 57"	14.25				1		2	1		JCT CTH PD
125	"	D1-4	90" X 66"	41.25			2			1	2		CHERRYLAND AIRPORT, POTAWATOMI STATE PARK
126	"	R6-2R	24" X 30"	5.00			1			1	1		
127	"	R5-1A	42" X 30"	8.75			1			1	1		
128	"	J4-2	72" X 54"	27.00			2			4	2		SOUTH STH 42, SOUTH STH 57
129	"	J13-1	36" X 66"	16.50				1		2	1		CTH PD, SEE PLAN SHEET
130	CTH PD	J3-2	48" X 57"	19.00				1		6	1		SOUTH STH 42, SOUTH STH 57, SEE PLAN SHEET
131	"	R1-1	36" X 36"	7.46				1		1	1		
132	"	R6-3A	30" X 24"	5.00						1			MOUNT BELOW SIGN #131
133	STH 42/57, S. OF CTH PD	R5-1	36" X 36"	9.00						1			MOUNT ON BACKSIDE OF SIGN #129
134	"	R4-7	36" X 48"	12.00				1		1	1		
135	STH 42/57, N. OF CTH PD	R5-1	36" X 36"	9.00			1			1	1		
136	"	R5-1	36" X 36"	9.00			1			1	1		
137	"	J13-1	36" X 66"	16.50				1		2	1		CTH PD, SEE PLAN SHEET
138	"	J4-2	72" X 54"	27.00			2			4	2		NORTH STH 42, NORTH STH 57
139	"	R5-1A	42" X 30"	8.75			1			1	1		
140	"	D7-53R	60" X 36"	15.00			2			1	2		POTAWATOMI STATE PARK
141	"	W3-5	36" X 36"			9.00	1			1	1		45 MPH
142	"	W3-5	36" X 36"			9.00	1						45 MPH
143	"	R5-1A	42" X 30"	8.75			1			1	1		
144	"	D9-52	36" X 36"	9.00			1			1	1		CHERRYLAND AIRPORT
145	"	J1-1	36" X 57"	14.25				1		2	1		JCT CTH PD
146	"	J1-1	36" X 57"	14.25				1					JCT CTH PD
147		R5-1	36" X 36"	9.00			1			1	1		
	PAGE SUBTOTALS			404.45	0.00	18.00	26	11	0	49	37	0	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

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ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2215 SIGNS TYPE II REFLECTIVE TYPE H FOLDING S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	641.8100 OVERHEAD SIGN SUPPORT (STRUCTURE) LS	REMARKS
148	STH 42/57, N. OF CTH PD	R6-2L	24" X 30"	5.00			1			1	1		
149	"	D1-1	96" X 21"	14.00			2			1	2		STAGG RD, SEE SIGN DETAIL SHEET
150	"	R2-1	36" X 48"	12.00				1		1	1		45 MPH
151	"	R2-1	36" X 48"	12.00				1		1	1		45 MPH
152	"	R5-1	36" X 36"	9.00						1			MOUNT ON BACKSIDE OF SIGN #151
153	"	R2-1	36" X 48"	12.00				1		1	1		55 MPH
154	"	R4-7	36" X 48"	12.00						1			MOUNT ON BACKSIDE OF SIGN #150
155	"	R3-9B	36" X 48"	12.00				1		1	1		
156	STAGG RD	R1-1	30" X 30"	5.18				1		1	1		
157	"	R6-3A	30" X 24"	5.00						1			MOUNT BELOW SIGN #156
158	"	R1-1	30" X 30"	5.18			1			1	1		
159	STH 42/57, N. OF STAGG RD	D1-1	96" X 21"	14.00			2			1	2		STAGG RD, SEE SIGN DETAIL SHEET
160	"	R2-1	36" X 48"	12.00				1		1	1		45 MPH
161	"	R2-1	36" X 48"	12.00				1		1	1		45 MPH
162	"	R5-56								1	1		
163	"	D2-2	108" X 36"	27.00			2			1	2		ALGOMA 17, GREEN BAY 40, SEE SIGN DETAIL SHEET
164	"	R2-1	36" X 48"	12.00				1		1	1		45 MPH
165	"	I2-3	84" X 24"	14.00			2			1	2		STURGEON BAY, SEE SIGN DETAIL SHEET
166	"	R2-1	36" X 48"	12.00				1		1	1		45 MPH
167	"	D7-57	54" X 36"	13.50			1			1	1		
168	"	D7-52	60" X 42"	17.50				1		1	1		
169	"	D1-1	84" X 15"	8.75			2			1	2		DOUGLAS AVE, SEE SIGN DETAIL SHEET
169A	"	D1-1								1			MOUNTED BELOW SIGN #169
170	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
171	DOUGLAS AVE	R1-1	30" X 30"	5.18			1			1	1		
172	STH 42/57, N. OF DOUGLAS AVE	R2-1	24" X 30"	5.00			1			1	1		45 MPH
173	"	R7-1D	24" X 30"	5.00						1			MOUNT BELOW SIGN #172
174	"	R4-7	36" X 48"	12.00				1		1	1		
175	"	R5-1	36" X 36"	9.00						1			MOUNT ON BACKSIDE OF SIGN #176
176	"	R3-9B	36" X 48"	12.00				1		1	1		
177	COLUMBIA AVE	R6-2R								1	1		
178	"	R1-1	30" X 30"	5.18			1			1	1		
179	STH 42/57, AT COLUMBIA AVE	R6-2R	24" X 30"	5.00			1			1	1		
180	STH 42/57, N. OF COLUMBIA AVE	R5-1	30" X 30"	6.25			1			1	1		
181	"	R3-2								1			
182	"	R6-2R	24" X 30"	5.00									MOUNT ON BACKSIDE OF SIGN #179
183	"	W3-3	36" X 36"			9.00	1			1	1		
184	"	D1-1	78" X 15"	8.13			2						ASHLAND AVE, SEE SIGN DETAIL SHEET
	PAGE SUBTOTALS			328.85	0.00	9.00	22	12	0	36	34	0	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2215 SIGNS TYPE II REFLECTIVE TYPE H FOLDING S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	641.8100 OVERHEAD SIGN SUPPORT (STRUCTURE) LS	REMARKS
185	STH 42/57, N. OF COLUMBIA AVE	R2-1	24" X 30"	5.00			1			1	1		45 MPH
186	"	R5-1A	36" X 24"	6.00						1			MOUNT ON BACKSIDE OF SIGN #185
187	"	R5-1A	36" X 24"	6.00						1			MOUNT ON BACKSIDE OF SIGN #188
188	"	R7-1D	24" X 30"	5.00			1			1	1		
189	"	R3-20L	24" X 36"	6.00			1			1	1		
190	"	D1-1	84" X 15"	8.75			2			1	2		COLUMBIA AVE, SEE SIGN DETAIL SHEET
191	"	D1-1	84" X 15"	8.75						1			DOUGLAS AVE, MOUNT BELOW SIGN #190
192	"	R5-1	30" X 30"	6.25			1			1	1		
193	"	I55-56	30" X 36"	7.50			1			1	1		
194	STH 42/57, AT ASHLAND AVE	R7-1D	18" X 24"	3.00						1			MOUNT TO TRAFFIC SIGNAL
195	ASHLAND AVE	R6-2L	24" X 30"	5.00						1			MOUNT TO TRAFFIC SIGNAL
196	STH 42/57, AT ASHLAND AVE	R3-1	24" X 24"	4.00						1			MOUNT TO TRAFFIC SIGNAL
197	"	R6-2L	24" X 30"	5.00						1			MOUNT TO TRAFFIC SIGNAL
198	ASHLAND AVE	R3-1	24" X 24"	4.00						1			MOUNT TO TRAFFIC SIGNAL
199	STH 42/57, N. OF ASHLAND AVE	R3-4								1			
199A	"	R1-1F	36" X 36"		7.46								MOUNT TO TRAFFIC SIGNAL
200	"	R4-7	24" X 30"	5.00						1			MOUNT TO TRAFFIC SIGNAL
201	"	R5-1	30" X 30"	5.18						1			MOUNT TO BACKSIDE OF SIGN #202
202	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
203	"	R5-1A	36" X 24"	6.00						1			MOUNT TO BACKSIDE OF SIGN #204
204	"	R7-1L	18" X 24"	3.00			1			1	1		
205	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
206	STH 42/57, N. OF ASHLAND AVE MEDIAN	R3-9B	36" X 48"	12.00				1		1	1		
207	"	R4-7	36" X 48"	12.00						1			
208	STH 42/57, N. OF ASHLAND AVE	J1-2	48" X 39"	13.00				1		4			JCT CTH C, JCT CTH S
209	STH 42/57, N. OF ASHLAND AVE MEDIAN	R5-1	36" X 36"	9.00						1			MOUNT TO BACKSIDE OF SIGN #206
210	STH 42/57, N. OF ASHLAND AVE	D1-1	78" X 15"	8.13			2			1	2		ASHLAND AVE, SEE SIGN DETAIL SHEET
211	"	W3-3	36" X 36"			9.00		1		1	1		
212	STH 42/57, S. OF CTH S/CTH C	J1-2	48" X 51"	17.00				1		6	1		JCT BUSINESS STH 42, JCT BUSINESS STH 57
213	"	R5-1A	36" X 24"	6.00						1			MOUNT TO BACKSIDE OF SIGN #212
214	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
215	"	R3-20L	24" X 36"	6.00			1			1	1		
216	"	R3-7R	30" X 30"	6.25			1			1	1		
217	"	R5-1	30" X 30"	6.25						1			MOUNT TO BACKSIDE OF SIGN #216
218	"	R6-2R	24" X 30"	5.00			1			1	1		
219	"	W12-1D	24" X 24"			4.00	1			1	1		
220	STH 42/57, AT CTH S/CTH C INTERSECTION	R1-1F	36" X 36"		7.46								MOUNT TO TRAFFIC SIGNAL
220A	"	J4-3	72" X 36"	18.00			2			5	2		SOUTH STH 42, SOUTH STH 57, LAKE MICHIGAN CIRCLE TOUR
220B	"	R4-7	24" X 30"	5.00			1			1			MOUNT TO TRAFFIC SIGNAL
221	CTH C	R6-2R	24" X 30"	5.00						1			MOUNT TO BACKSIDE OF SIGN #222
	PAGE SUBTOTALS			243.06	14.92	13.00	20	4	0	50	22	0	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2215 SIGNS TYPE II REFLECTIVE TYPE H FOLDING S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	641.8100 OVERHEAD SIGN SUPPORT (STRUCTURE) LS	REMARKS
222	CTH C	J3-2	48" X 57"	19.00				1		6	1		SOUTH STH 42, SOUTH STH 57, SEE PLAN SHEET
223	"	R6-2R	24" X 30"	5.00						1			MOUNT TO TRAFFIC SIGNAL
224	"	R1-1F	30" X 30"		5.18					1			MOUNT TO TRAFFIC SIGNAL BELOW SIGN #223
225	STH 42/57, AT CTH S/CTH C INTERSECTION	J13-2	48" X 45"	15.00				1		4	1		CTH C, CTH S, SEE PLAN SHEET
226	CTH S	R1-1F	30" X 30"		5.18					1			MOUNT TO TRAFFIC SIGNAL
227	"	J3-2	48" X 57"	19.00				1		1	6		MOUNT NEXT TO TRAFFIC SIGNAL
228	STH 42/57, AT CTH S/CTH C INTERSECTION	R4-7	24" X 30"	5.00						1			MOUNT TO TRAFFIC SIGNAL
229	CTH C	R6-2L	24" X 30"	5.00						1			MOUNT TO TRAFFIC SIGNAL
230	STH 42/57, AT CTH S/CTH C INTERSECTION	J13-2	48" X 45"	15.00				1		4	1		CTH C, CTH S, SEE PLAN SHEET
230A	"	R1-1F	36" X 36"		7.46								MOUNT TO TRAFFIC SIGNAL
230B	STH 42/57, N. OF CTH C/CTH S	W12-1D	24" X 24"			4.00	1			1	1		
231	"	R5-1A	36" X 24"	6.00						1			MOUNT TO BACKSIDE OF SIGN #233
232	"	R3-20L	24" X 36"	6.00			1			1	1		
233	"	R3-7R	30" X 30"	6.25			1			1	1		
234	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
235	"	J13-1	24" X 45"	7.50						2			MOUNT TO STRUCTURE S-15-01 ON LEFT COLUMN
236	"	W13-3	48" X 60"			20.00				1			MOUNT TO STRUCTURE S-15-01 ON RIGHT COLUMN
237	"	D7-52	54" X 42"	15.75				2		1	2		
238	"	J1-2	48" X 39"	13.00				1		4	1		JCT CTH C, JCT CTH S
239	STH 42/57, SPLIT TO BUS STH 42/57	J3-2	48" X 57"	19.00				1		6	1		NORTH STH 42, NORTH STH 57, SEE PLAN SHEET
240	"	J3-2	48" X 57"	19.00				1		6	1		BUSINESS STH 42, BUSINESS STH 57, SEE PLAN SHEET
241	STH 42/57, N. OF BUSINESS 42/57	R3-3	24" X 24"	4.00			1			1	1		
242	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
243	"	W3-3	36" X 36"			9.00		1		1	1		
244	"	W3-3	36" X 36"			9.00		1		1	1		
245	"	D7-54	48" X 36"	12.00			1			1	1		
246	"	W4-1	36" X 36"			9.00		1		1	1		
247	"	I55-56	30" X 36"	7.50			1			1	1		CUB PACK 4124 KNIGHTS OF COLUMBUS
248	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
249	"	D1-61	78" X 24"	13.00			2			1	2		NEENAH AVE, SEE SIGN DETAIL SHEET
250	"	R3-20L	24" X 36"	6.00			1			1	1		
251	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
252	"	R5-1A	36" X 24"	6.00						1			MOUNT TO BACKSIDE OF SIGN #251
253	"	W12-1D	24" X 24"			4.00	1			1	1		
254	"	R5-1	30" X 30"	6.25			1			1	1		
255	STH 42/57, AT LANSING AVE	R1-2	36" X 31"	3.88			1			1	1		
256	LANSING AVE	R6-1R	36" X 12"	3.00									MOUNT ABOVE SIGN #257
257	"	R1-1	30" X 30"	5.18				1		1	1		
258	"	R6-1L	36" X 12"	3.00									MOUNT ON BACKSIDE OF SIGN #256
	PAGE SUBTOTALS			265.31	17.82	55.00	16	13	0	61	34	0	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2215 SIGNS TYPE II REFLECTIVE TYPE H FOLDING S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	641.8100 OVERHEAD SIGN SUPPORT (STRUCTURE) LS	REMARKS
259	LANSING AVE	R6-2R								1	1		
260	"	R6-2R								1	1		
261	"	R6-1R	36" X 12"	3.00									MOUNT ABOVE SIGN #262
262	"	R1-1	30" X 30"	5.18				1		1	1		
263	"	R6-1L	36" X 12"	3.00									MOUNT ON BACKSIDE OF SIGN #261
264	STH 42/57, AT LANSING AVE	R5-1	30" X 30"	6.25			1			1	1		
265	"	R3-2	24" X 24"	4.00			1			1	1		
266	"	R3-2	24" X 24"	4.00						1			MOUNT ON BACKSIDE OF SIGN #265
267	"	R5-1	30" X 30"	6.25			1			1	1		
268	"	R1-2	36" X 31"	3.88			1			1	1		
269	STH 42/57, N. OF LANSING AVE	R5-1	30" X 30"	6.25			1			1	1		
270	"	W12-1D	24" X 24"			4.00	1			1	1		
271	"	J4-3	72" X 36"	18.00			2			5	1		NORTH STH 42, NORTH STH 57, LAKE MICHIGAN CIRCLE TOUR
272	"	R5-1A	36" X 24"	6.00						1			MOUNT ON BACKSIDE OF SIGN #273
273	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
274	"	R3-20L	24" X 36"	6.00			1			1	1		
275	"	W3-3	36" X 36"			9.00		1		1	1		
276	"	W3-3	36" X 36"			9.00		1		1	1		
277	"	D1-61	78" X 24"	13.00			2			1	2		LANSING AVE, SEE SIGN DETAIL SHEET
278	"	D1-2	108" X 24"	18.00			2			1	2		DOOR CO MARITIME MUSEUM
279	"	D1-61	66" X 24"	11.00			2			1	2		NEENAH AVE, SEE SIGN DETAIL SHEET
280	"	D7-57	54" X 36"	13.50			1			1	1		
281	"	D1-2	132" X 24"	22.00			2			1	2		DEPT. OF NATURAL RESOURCES SERVICE CENTER
282	"	D1-4	66" X 48"	22.00				2		2	2		BOAT LANDING, AHNAPEE TRAIL, SEE SIGN DETAIL SHEET
283	"	R5-1A	36" X 24"	6.00						1			MOUNT ON BACKSIDE OF SIGN #282
284	STH 42/57, S. OF NEENAH AVE	R3-20L	24" X 36"	6.00			1			1	1		
285	"	W12-1D	24" X 24"			4.00	1			1	1		
286	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
287	"	R5-1	30" X 30"	6.25						1			MOUNT ON BACKSIDE OF SIGN #286
288	STH 42/57, AT NEENAH AVE INTERSECTION	R3-4								1			
288A	"	R1-1F	36" X 36"		7.46								MOUNT TO TRAFFIC SIGNAL
289	"	R1-1F	30" X 30"		5.18					1			MOUNT TO TRAFFIC SIGNAL
290	NEENAH AVE	R3-1	24" X 24"	4.00						1			MOUNT TO TRAFFIC SIGNAL
291	"	R6-2L	24" X 30"	5.00			1			1	1		
292	STH 42/57, AT NEENAH AVE INTERSECTION	R4-7	24" X 30"	5.00						1			MOUNT TO TRAFFIC SIGNAL
293	NEENAH AVE	R6-2L	24" X 30"	5.00			1			1	1		
294	"	R6-2R	24" X 30"	5.00						1			MOUNT ON BACKSIDE OF SIGN #293
295	"	R1-1F	30" X 30"		5.18					1			MOUNT TO TRAFFIC SIGNAL
	PAGE SUBTOTALS			223.56	17.82	26.00	24	5	0	40	30	0	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2215 SIGNS TYPE II REFLECTIVE TYPE H FOLDING S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	641.8100 OVERHEAD SIGN SUPPORT (STRUCTURE) LS	REMARKS
296	NEENAH AVE	R1-1F	30" X 30"		5.18					1			MOUNT TO TRAFFIC SIGNAL
297	"	R6-2R	24" X 30"	5.00			1			1	1		
298	"	R6-2L	24" X 30"	5.00						1			MOUNT ON BACKSIDE OF SIGN #297
299	"	R6-2L	24" X 30"	5.00			1			1	1		
300	"	R3-1	24" X 24"	4.00						1			MOUNT TO TRAFFIC SIGNAL
301	STH 42/57, AT NEENAH AVE INTERSECTION	R3-4								1			
301A	"	R1-1F	36" X 36"		7.46								MOUNT TO TRAFFIC SIGNAL
302	"	R4-7	24" X 30"	5.00						1			MOUNT TO TRAFFIC SIGNAL
303	"	R1-1F	30" X 30"		5.18					1			MOUNT TO TRAFFIC SIGNAL
304	STH 42/57, N. OF NEENAH AVE	R5-1								1			
305	"	R5-1	30" X 30"	6.25						1			MOUNT ON BACKSIDE OF SIGN #306
306	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
307	"	W12-1D	24" X 24"			4.00	1			1	1		
308	"	W11-8	30" X 30"			6.25	1			1	1		
309	"	D1-61	66" X 24"	11.00			2			1	2		NEENAH AVE, SEE SIGN DETAIL SHEET
310	"	R3-20L	24" X 36"	6.00			1			1	1		
311	STH 42/57, S. OF OXFORD/SHILOH	D1-2	132" X 24"	22.00				2		1			DEPT. OF NATURAL RESOURCES SERVICE CENTER
312	"	D1-2	108" X 24"	18.00						1	2		DOOR CO MARITIME MUSEUM, MOUNT BELOW SIGN #311
313	"	D1-1	78" X 15"	8.13			2			1	2		OXFORD AVE, SEE SIGN DETAIL SHEET
314	"	D1-1	72" X 15"	7.50			2			1			SHILOH RD, SEE SIGN DETAIL SHEET
315	"	D1-4	66" X 48"	22.00			2			1	2		BOAT LANDING, AHNAPEE TRAIL, SEE SIGN DETAIL SHEET
316	"	R3-20L	24" X 36"	6.00			1			1	1		
317	"	W3-3	36" X 36"			9.00	1			1	1		
318	"	W12-1D	24" X 24"			4.00	1			1	1		
319	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
320	"	R5-1A	36" X 24"	6.00						1			MOUNT ON BACKSIDE OF SIGN #319
321	"	R6-2R	24" X 30"	5.00			1			1	1		
322	OXFORD AVE	R1-1	30" X 30"	5.18			1			1	1		
323	"	R1-1	30" X 30"	5.18			1			1	1		
324	"	R6-2R	24" X 30"	5.00			1			1	1		
325	"	R4-7	24" X 30"	5.00			1			1	1		
326	STH 42/57, AT OXFORD/SHILOH INTERSECTION	R1-2	36" X 31"	3.88			1			1	1		
327	"	R5-1	30" X 30"	6.25			1			1	1		
328	"	R3-2	24" X 24"	4.00			1			1	1		
329	"	R5-1	30" X 30"	6.25			1			1	1		
330	"	R5-1	30" X 30"	6.25			1			1	1		
331	"	R3-2	24" X 24"	4.00						1			MOUNT ON BACKSIDE OF SIGN #328
332	"	R5-1	30" X 30"	6.25						1			MOUNT ON BACKSIDE OF SIGN #333
	PAGE SUBTOTALS			209.12	17.82	23.25	28	2	0	37	28	0	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2215 SIGNS TYPE II REFLECTIVE TYPE H FOLDING S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	641.8100 OVERHEAD SIGN SUPPORT (STRUCTURE) LS	REMARKS
333	STH 42/57, AT OXFORD/SHILOH INTERSECTION	R2-1	24" X 30"	5.00			1			1	1		45 MPH
334	"	R1-2	36" X 31"	3.88			1			1	1		
335	SHILOH RD	R4-7	24" X 30"	5.00			1			1	1		
336	"	R6-2R	24" X 30"	5.00			1			1	1		
337	"	R1-1	30" X 30"	5.18			1			1	1		
338	"	R1-1	30" X 30"	5.18			1			1	1		
339	STH 42/57, AT OXFORD/SHILOH INTERSECTION	R6-2R	24" X 30"	5.00			1			1	1		
340	STH 42/57, N. OF OXFORD/SHILOH	W12-1D	24" X 24"			4.00	1			1	1		
341	"	W11-3								1	1		
342	"	W57-51								1			
343	"	R3-20L	24" X 36"	6.00			1			1	1		
344	"	R5-1A	36" X 24"	6.00						1			MOUNT ON BACKSIDE OF SIGN #345
345	"	D1-1	78" X 15"	8.13			2			1	2		OXFORD AVE, SEE SIGN DETAIL SHEET
346	"	D1-1	72" X 15"	7.50			2			1			SHILOH RD, SEE SIGN DETAIL SHEET
347	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
348	"	W11-8	30" X 30"			6.25	1			1	1		
349	"	R5-1A	36" X 24"	6.00			1			1	1		
350	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
351	"	R5-1	30" X 30"	6.25			1			1	1		
352	BOAT LANDING ACCESS	R6-2R								1	1		
353	"	R1-1	30" X 30"	5.18			1			1	1		
354	"	R6-3A	30" X 24"	5.00									MOUNT BELOW SIGN #353
355	STH 42/57, AT BOAT LANDING ACCESS	R6-2L	24" X 30"	5.00			1			1	1		
356	"	R4-7	24" X 30"	5.00			1			1	1		
357	STH 42/57, S. OF CTH U	R5-1	30" X 30"	6.25			1			1	1		
358	"	R5-1A	36" X 24"	6.00						1			MOUNT ON BACKSIDE OF SIGN #359
359	"	D7-54	48" X 36"	12.00			1			1	1		
360	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
361	"	W9-63	48" X 60"			20.00						1 (S-15-13)	MOUNT ON S-15-13 CANTILEVER CENTERED OVER LEFT LANE
362	"	J1-1	24" X 39"	6.50				1					JCT CTH U
363	"	J1-1	24" X 39"	6.50				1		2	1		JCT CTH U
364	"	D1-1	102" X 15"	10.63			2			1	2		CIRCLE RIDGE RD, SEE SIGN DETAIL SHEET
365	"	R2-1	24" X 30"				1			1	1		45 MPH
366	"	W9-1L	36" X 36"			9.00		1					
367	"	W4-2L								2	1		ALSO REMOVE W57-51
368	"	W9-1L	36" X 36"			9.00		1					
369	"	W4-2L								2	1		ALSO REMOVE W57-51
	PAGE SUBTOTALS			157.17	0.00	48.25	27	4	0	35	30	1	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2215 SIGNS TYPE II REFLECTIVE TYPE H FOLDING S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	641.8100 OVERHEAD SIGN SUPPORT (STRUCTURE) LS	REMARKS
370	STH 42/57, S. OF CTH U	W4-2L	36" X 36"			9.00		1					
371	"	W6-2								1	1		
372	"	W4-2L	36" X 36"			9.00		1					
373	"	W6-2								1	1		
374	"	J13-1	24" X 45"	7.50				1		2	1		CTH U, SEE PLAN SHEET
375	CIRCLE RIDGE RD	R6-2L								1	1		
376	"	R6-2R								1			
377	"	R6-1L	36" X 12"	3.00									MOUNT ON BACKSIDE OF SIGN #378
378	"	R6-1R	36" X 12"	3.00									MOUNT ABOVE SIGN #379
379	"	R1-1	30" X 30"	5.18				1		1	1		
380	"	R6-3	30" X 24"	5.00						1			MOUNT BELOW SIGN #379
381	CTH U	R6-2L								1	1		
382	STH 42/57, AT CTH U INTERSECTION	R4-7	24" X 30"	5.00			1			1	1		
383	"	R3-1	24" X 24"	4.00			1			1	1		
384	"	R4-7	24" X 30"	5.00			1			1	1		
385	CTH U	R6-1R	36" X 12"	3.00									MOUNT ABOVE SIGN #386
386	"	R1-1	36" X 36"	7.46				1		1	1		
387	"	R6-3	30" X 24"	5.00						1			MOUNT BELOW SIGN #386
388	"	R6-1L	36" X 12"	3.00									MOUNT ON BACKSIDE OF SIGN #385
389	"	R6-2R								1	1		
390	"	R6-2L								1			
391	STH 42/57, N. OF CTH U	W9-62	48" X 60"			20.00						1 (S-15-14)	MOUNT ON S-15-14 CANTILEVER CENTERED OVER LEFT LANE
392	"	R5-1	30" X 30"	6.25						1			MOUNT ON BACKSIDE OF SIGN #393
393	"	J13-1	24" X 45"	7.50				1		2	1		CTH U, SEE PLAN SHEET
394	"	W9-2R								1	1		
395	"	R5-1A	36" X 24"	6.00						1			MOUNT ON BACKSIDE OF SIGN #396
396	"	M1-93	24" X 24"	4.00			1			1	1		
397	"	R2-1	24" X 30"	5.00			1			1	1		
398	"	R5-1A	36" X 24"	6.00						1			MOUNT ON BACKSIDE OF SIGN #397
399	"	D1-1	102" X 15"	10.63			2			1	2		CIRCLE RIDGE RD, SEE SIGN DETAIL SHEET
400	"	W6-3	36" X 36"			9.00		1		1	1		
401	"	W14-3	48" X 36"			6.00				1			MOUNT ON BACKSIDE OF SIGN #402
402	"	R4-7	36" X 48"	12.00						1	1		
403	"	R5-1	36" X 36"	9.00						1			MOUNT ON BACKSIDE OF SIGN #400
404	"	R2-1	24" X 30"	5.00			1			1	1		45 MPH
405	"	J1-1	24" X 39"	6.50				1		2	1		JCT CTH U
406	"	W3-6	36" X 36"			9.00		1		1	1		
407	"	I55-56	30" X 36"	7.50			1			1	1		CUB PACK 4124 KNIGHTS OF COLUMBUS
408	"	W6-1	36" X 36"			9.00		1		1	1		
	PAGE SUBTOTALS			141.52	0.00	71.00	9	10	0	35	24	1	
	PROJECT TOTALS			**3031.90**	**68.38**	**276.00**	**228**	**92**	**4**	**487**	**339**	**2**	

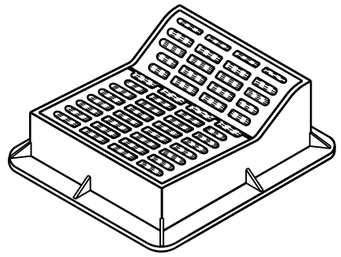
PLAN SHEET PRODUCED

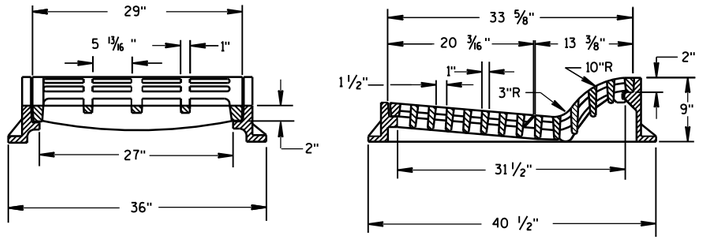
BY WisDOT - NE REGION

Standard Detail Drawing List

08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
09B04-10	PULL BOX
09F09-03	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)
09F15-03A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
11B02-02	CONCRETE MEDIAN NOSE
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13C01-16	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C09-11A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-11B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-11C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C13-08	URBAN DOWELED CONCRETE PAVEMENT
13C14-04A	BASE PATCHING CONCRETE
13C14-04B	BASE PATCHING CONCRETE
13C14-04C	BASE PATCHING CONCRETE
13C18-02A	CONCRETE PAVEMENT JOINTING
13C18-02B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-02C	CONCRETE PAVEMENT JOINT TIES
13C18-02D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
14B29-01	SAFETY EDGE
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C19-02C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C23-02	30" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE
15D12-03	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H.
15D21-02	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-02	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-02	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

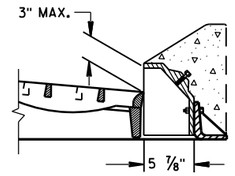
6





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

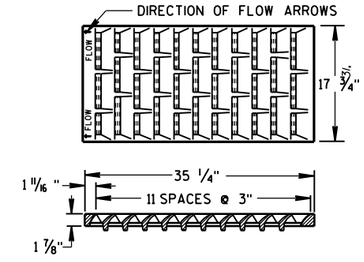
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

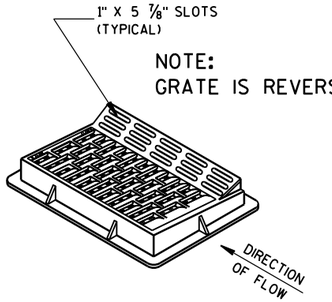
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

GENERAL NOTES

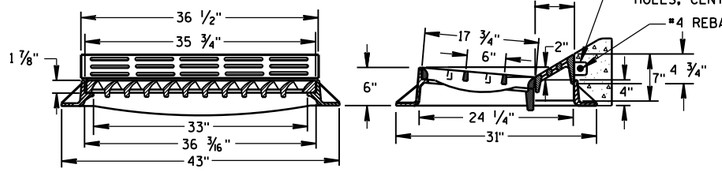
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





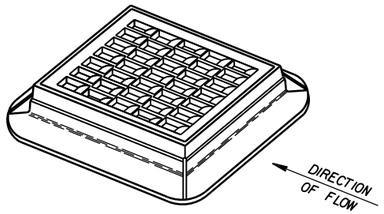
NOTE:
GRATE IS REVERSIBLE.

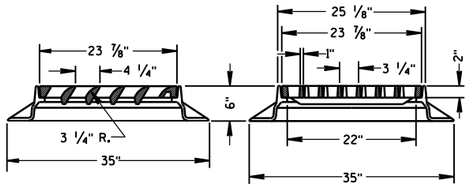


TYPE "HM"

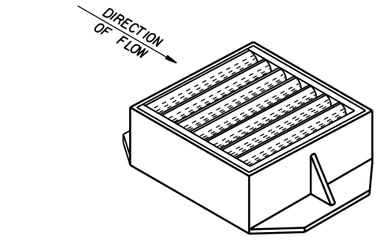
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

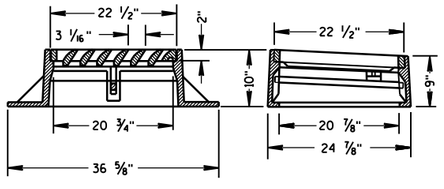
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



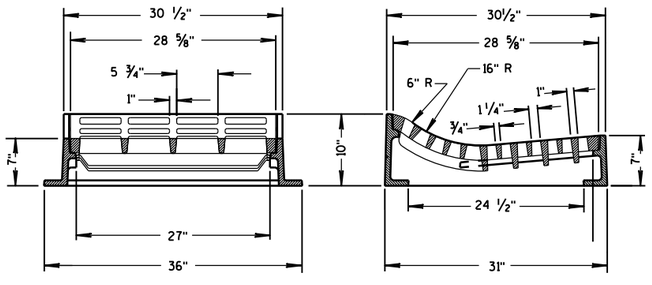


TYPE "S"



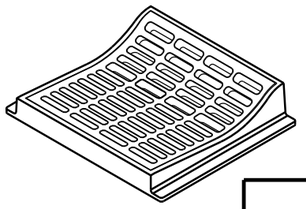


TYPE "V"



TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

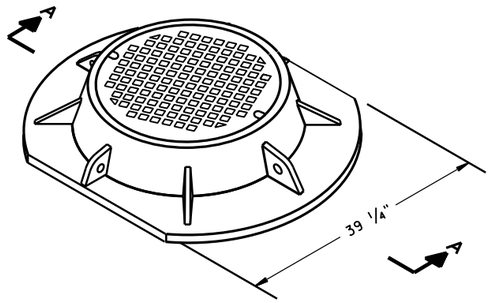
FHWA

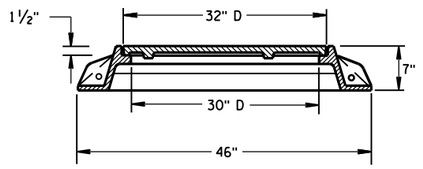
6

S.D.D. 8 A 5-19c

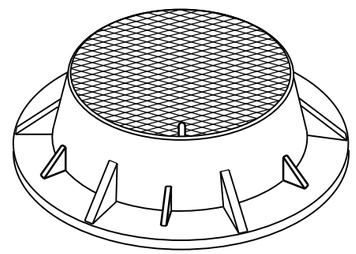
6

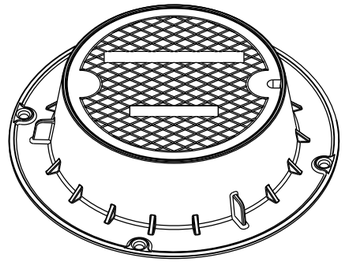
S.D.D. 8 A 5-19c

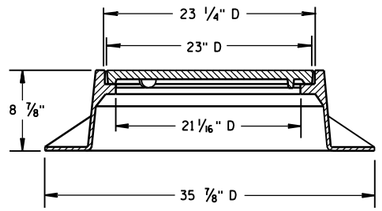


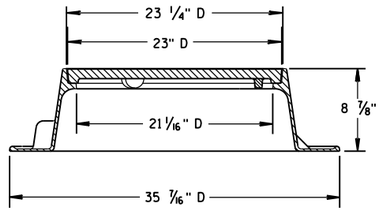


SECTION A-A
TYPE "K"









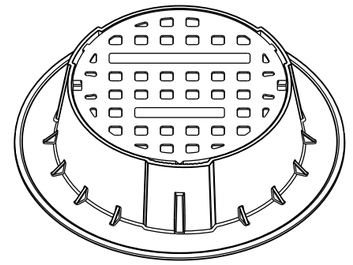
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

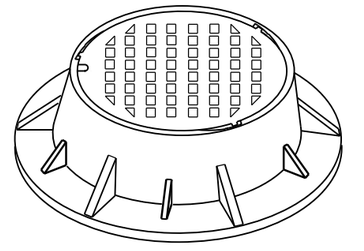
GENERAL NOTES

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

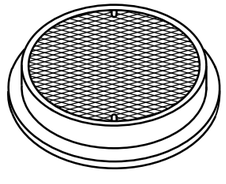
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

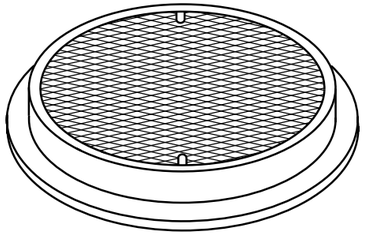
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

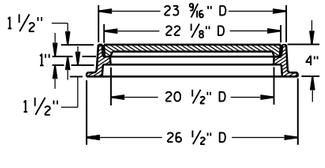




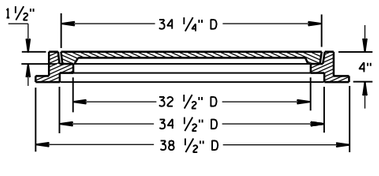
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



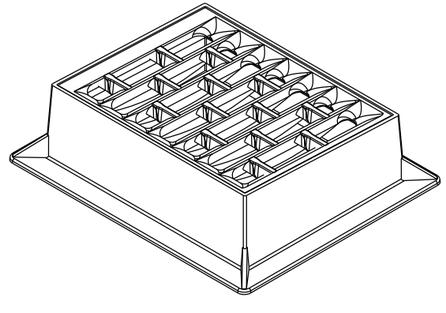


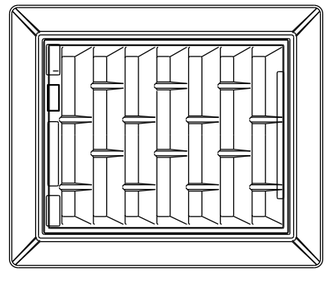


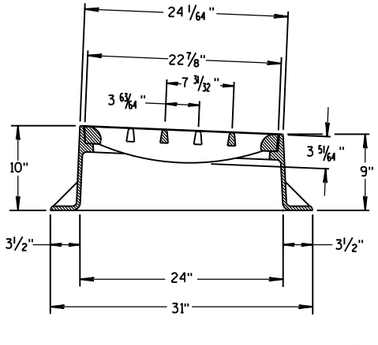
TYPE "L"

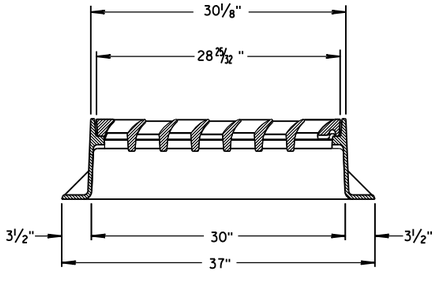


TYPE "M"









INLET COVER TYPE "BW"

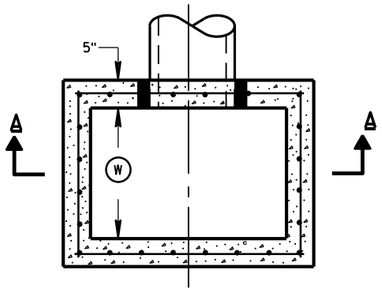
INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

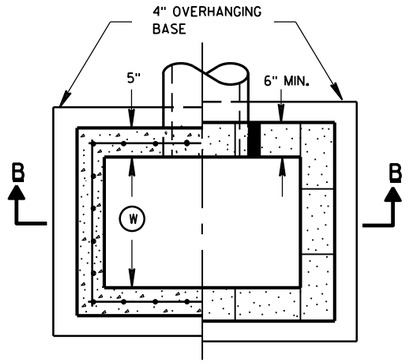
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

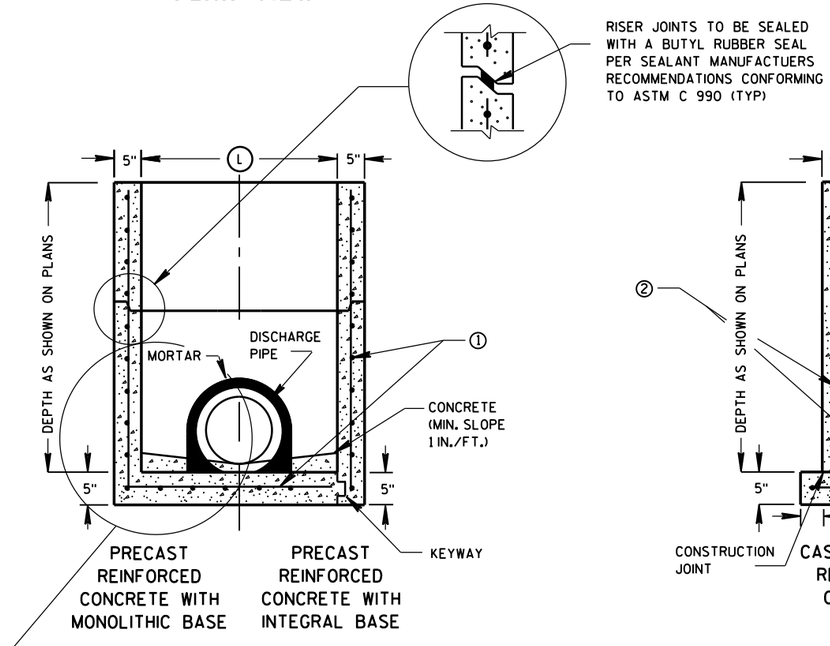
S.D.D. 8 A 5-19d



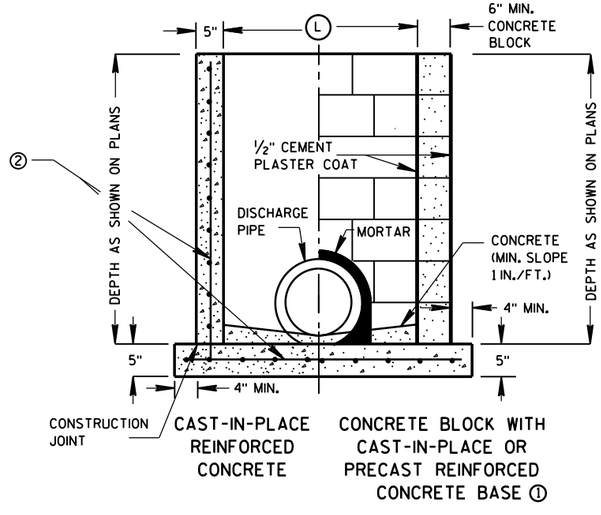
PLAN VIEW



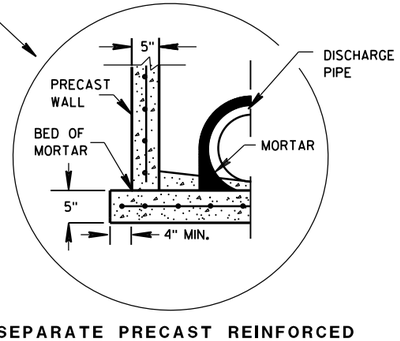
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

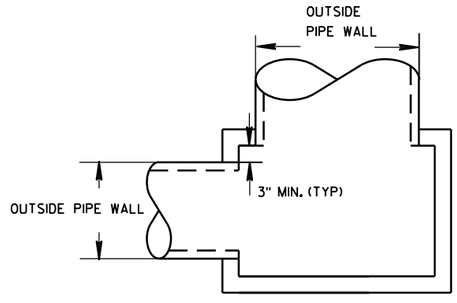
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

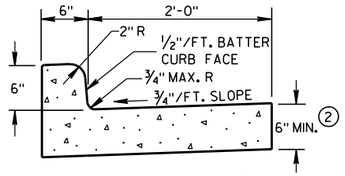
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

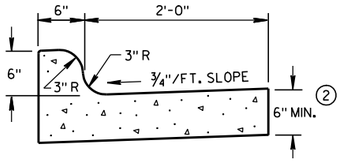
APPROVED
6/5/2012
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DE
ENGINEER

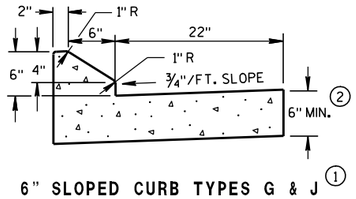
6
S.D.D. 8 C 7-1



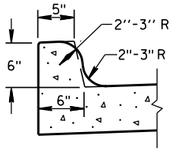
TYPES A & D (1)



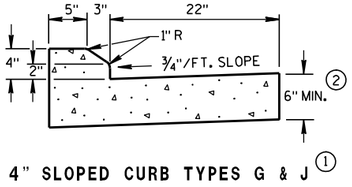
TYPES K & L (1)



6" SLOPED CURB TYPES G & J (1)

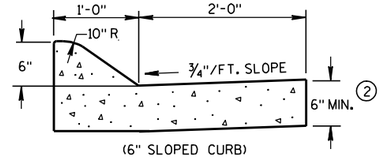


OPTIONAL CURB SHAPE FOR TYPES K & L (1)

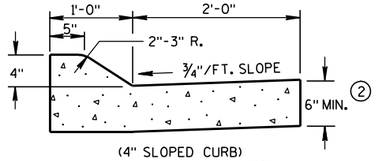


4" SLOPED CURB TYPES G & J (1)

CONCRETE CURB & GUTTER 30"

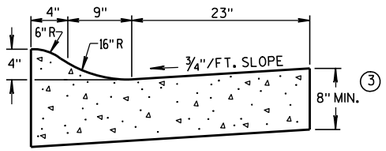


(6" SLOPED CURB)



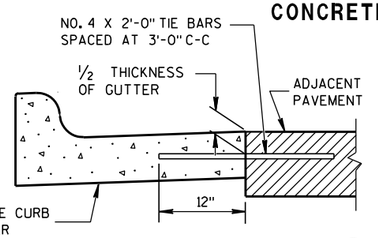
(4" SLOPED CURB)

TYPES A & D (1)

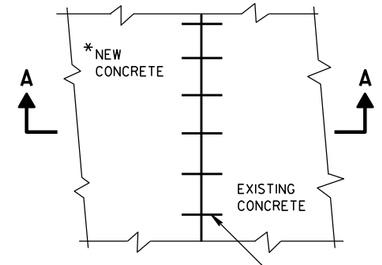


4" SLOPED CURB TYPES R & T (1) (4)

CONCRETE CURB & GUTTER 36"

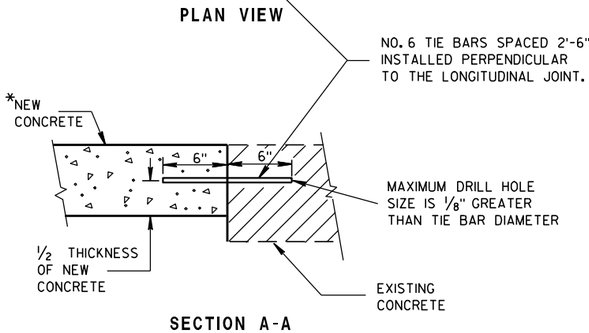


TYPICAL TIE BAR LOCATION (1)



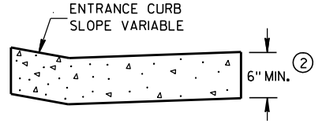
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

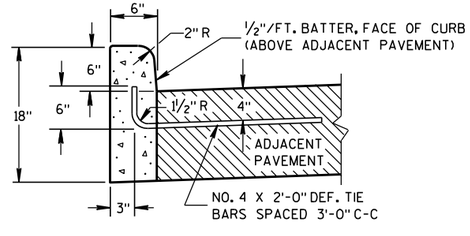


SECTION A-A

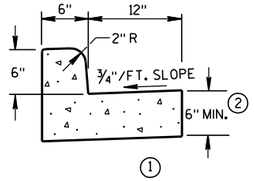
TIE BARS DRILLED INTO EXISTING PAVEMENT



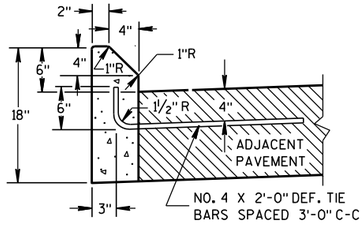
DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)



(1)
TYPES A & D

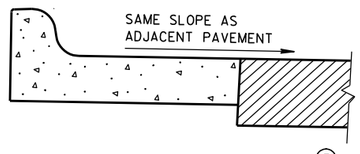


(1)
TYPES A & D
CONCRETE CURB & GUTTER 18"



(1)
TYPES G & J

CONCRETE CURB



REVERSE SLOPE GUTTER (5)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

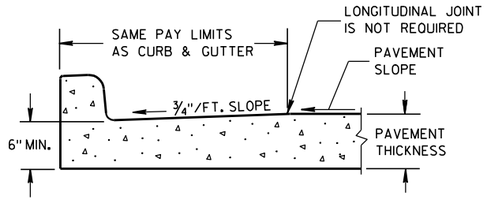
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

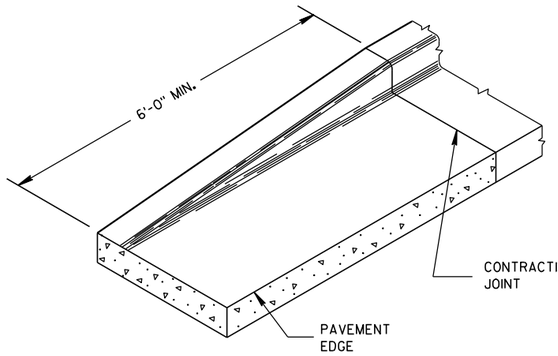
(3) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(4) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(5) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

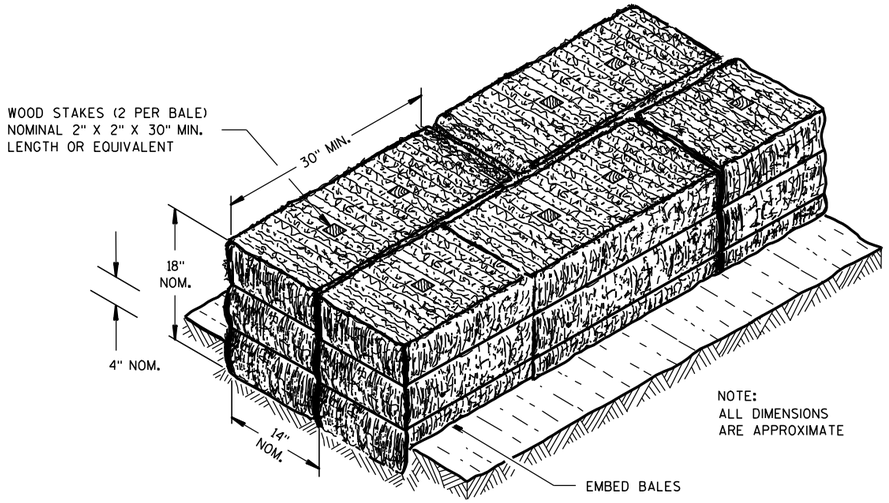
CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

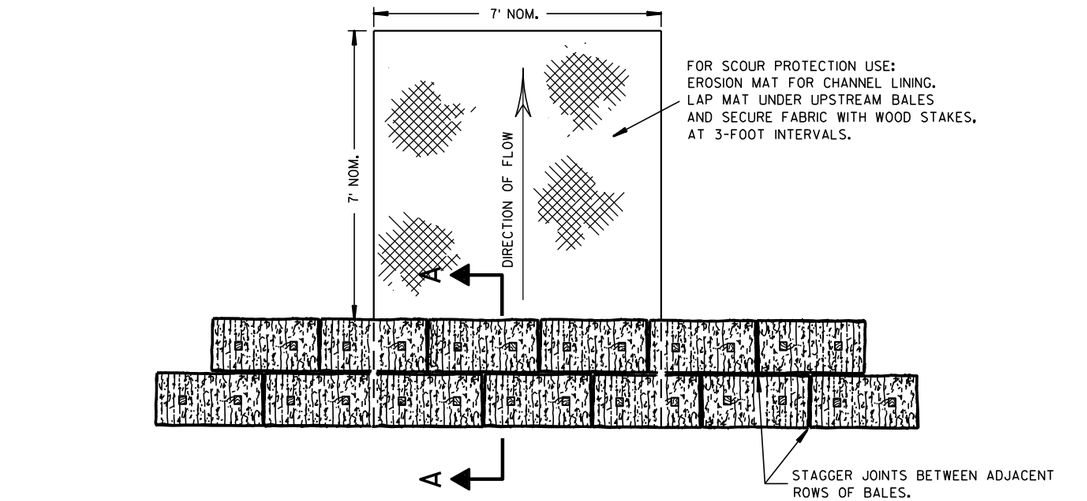
APPROVED
9/4/08 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
FHWA

6

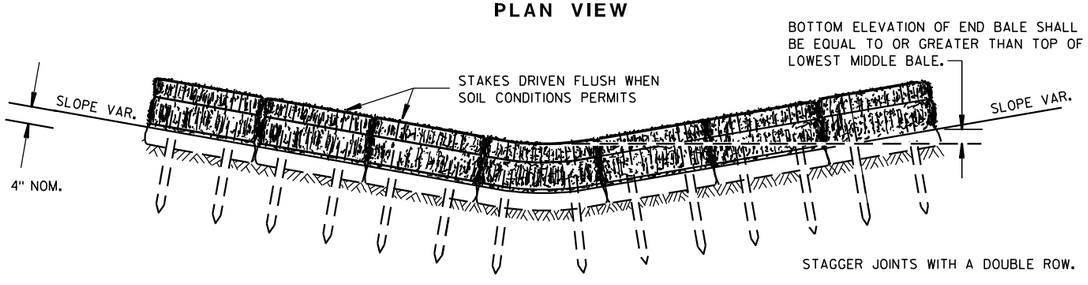
S.D.D. 8 D 1-17



SECTION A-A



PLAN VIEW



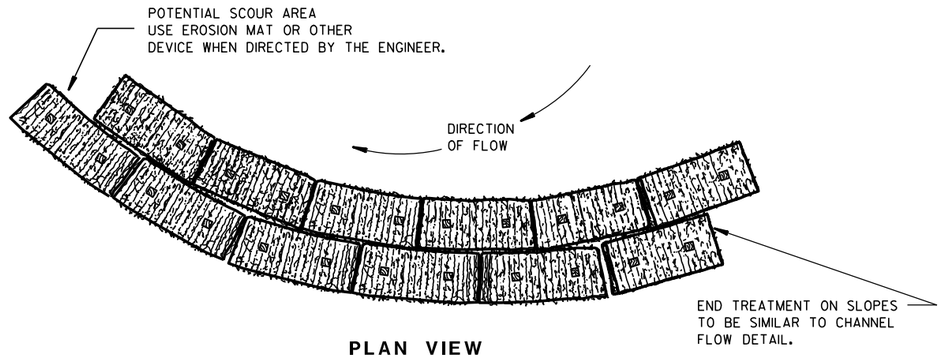
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

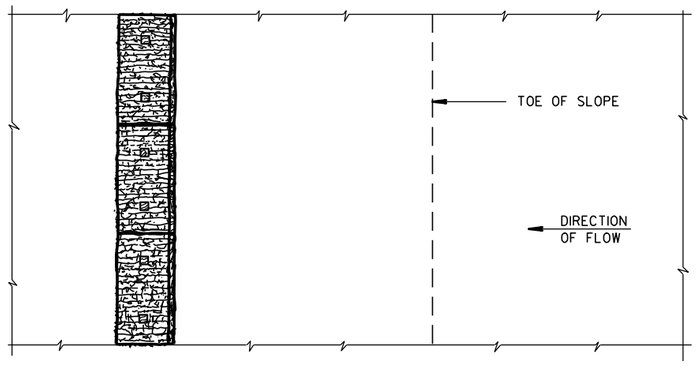
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

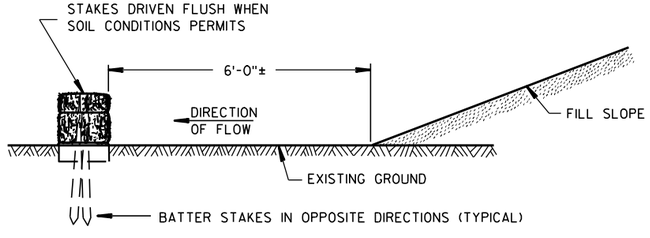


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

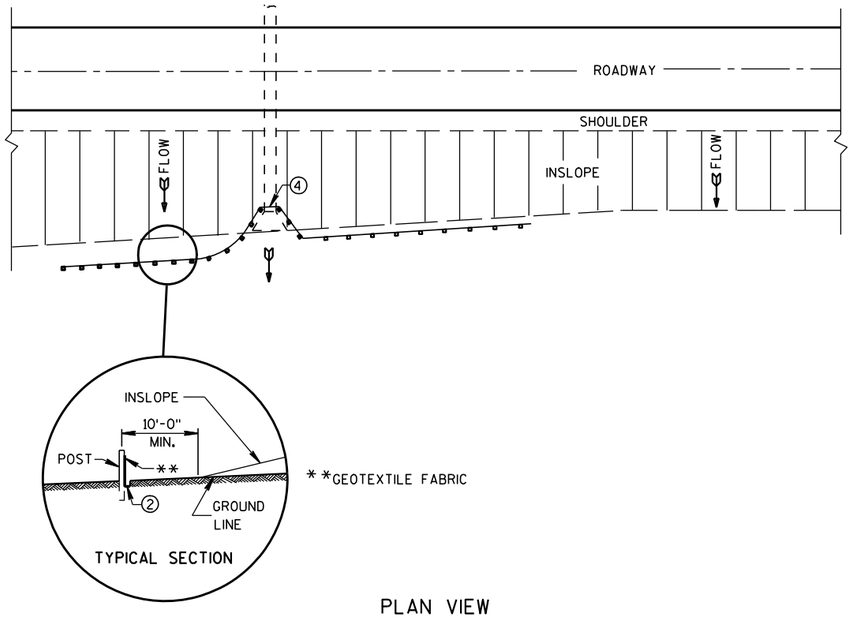
APPROVED
6/04/02 — DATE
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

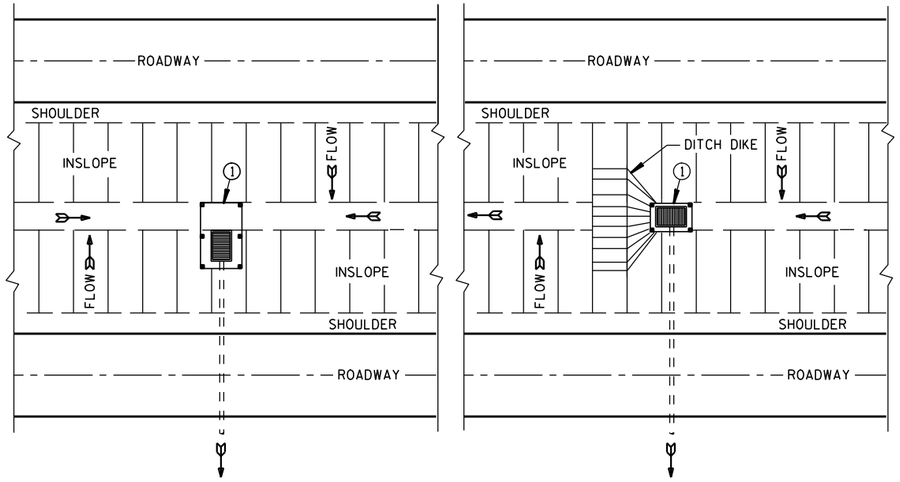
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



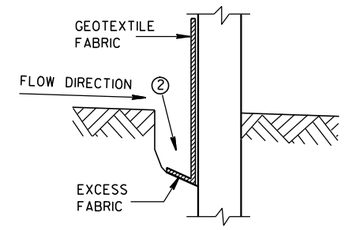
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

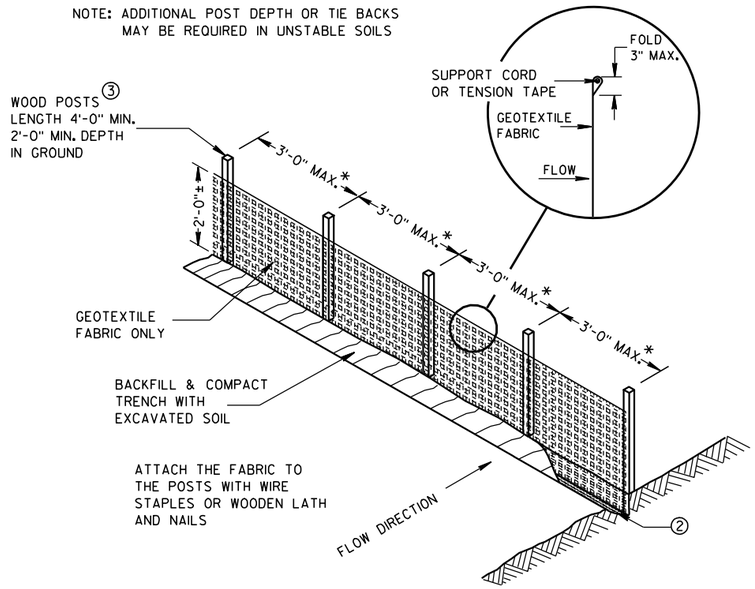
GENERAL NOTES

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

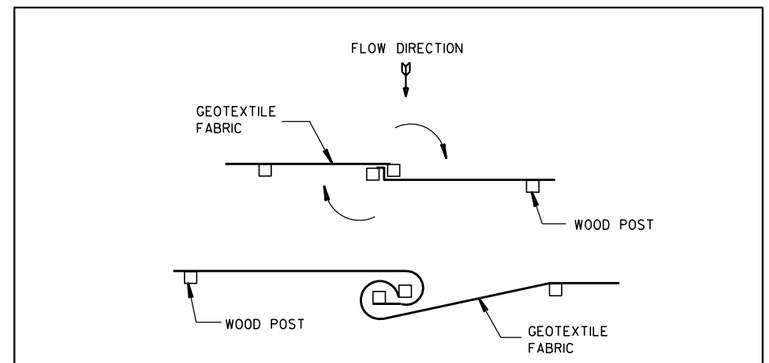
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



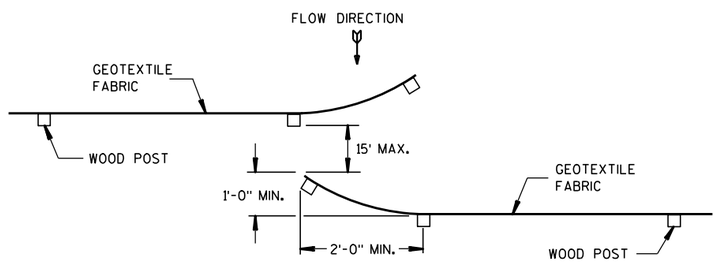
TRENCH DETAIL



SILT FENCE

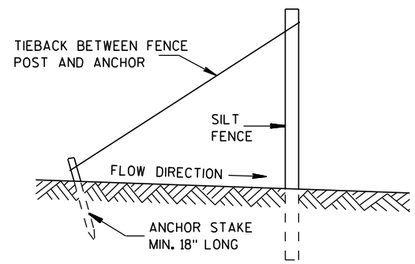


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

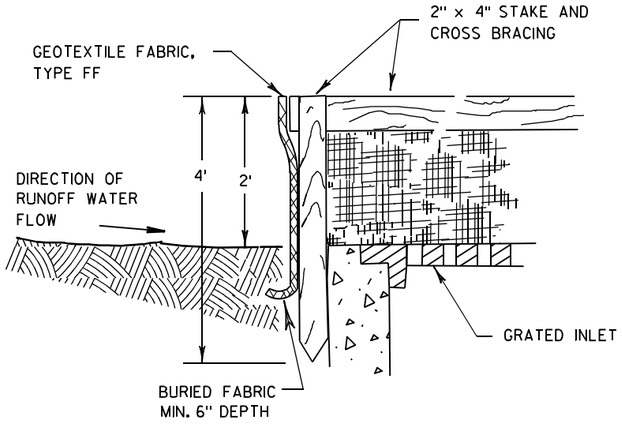
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

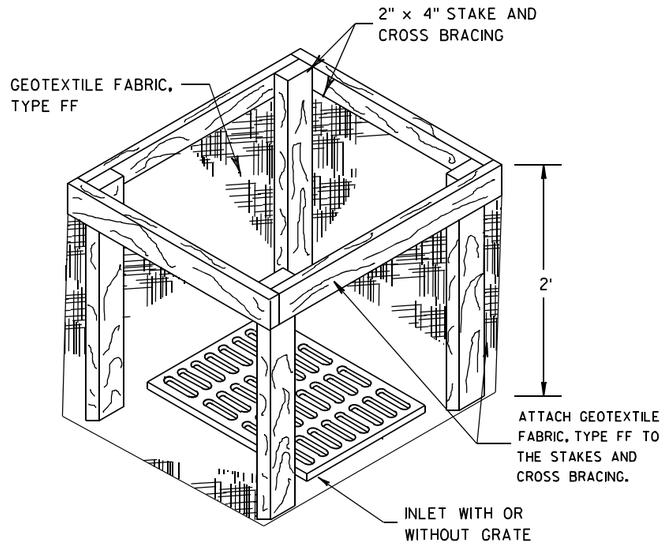
6

S.D.D. 8 E 9-6

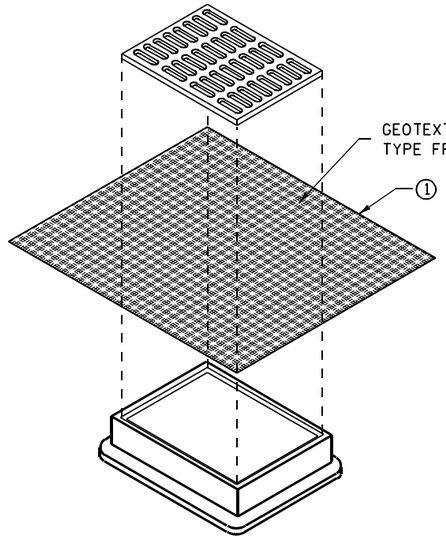
6

S.D.D. 8 E 9-6



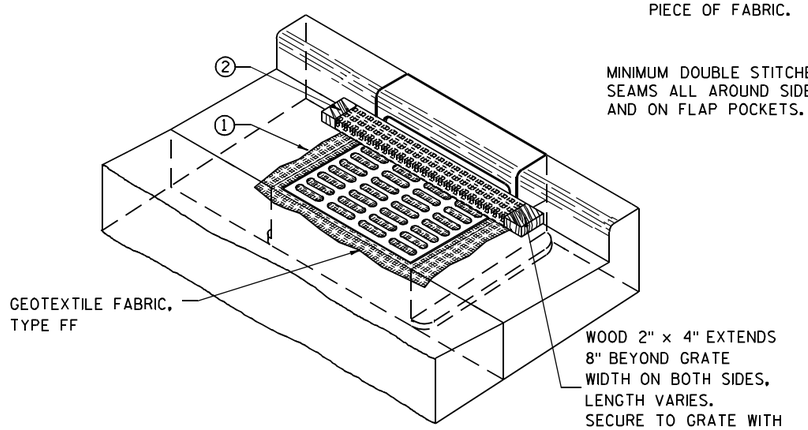


INLET PROTECTION, TYPE A

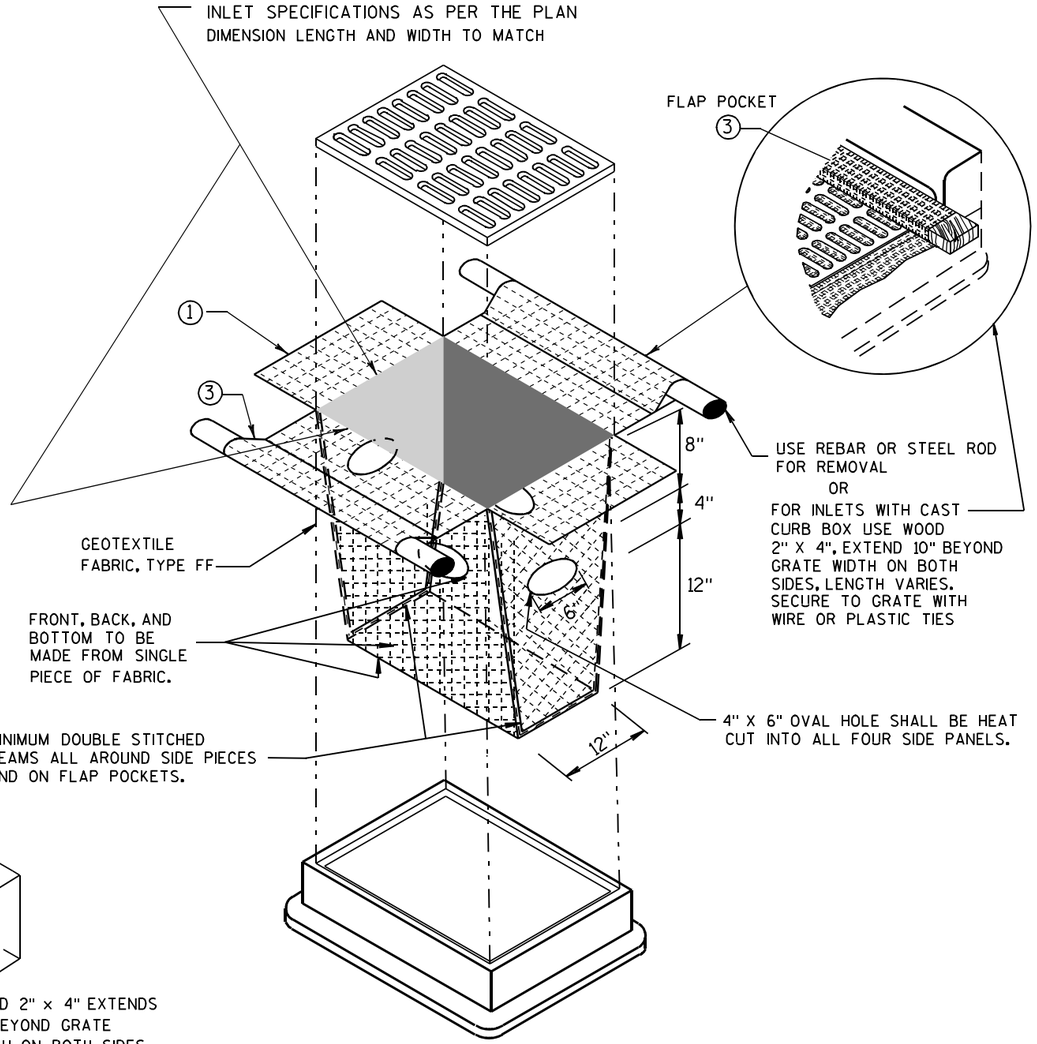


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6

S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2

METAL APRON ENDWALLS

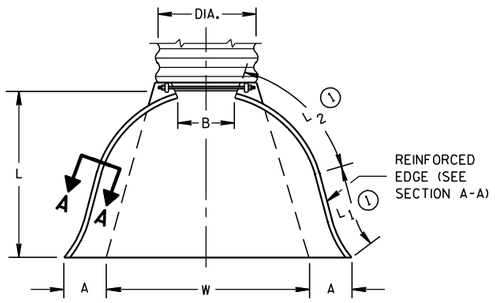
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

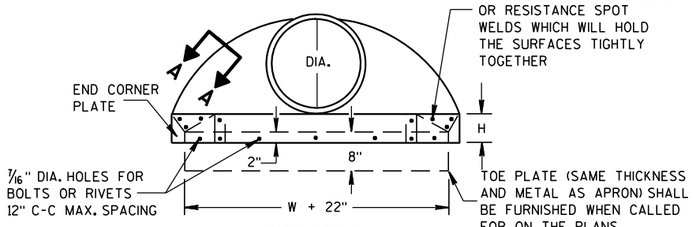
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

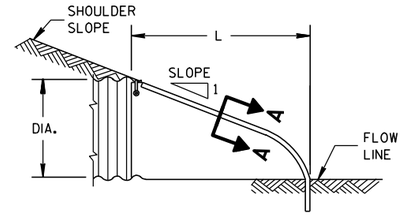
*MINIMUM
**MAXIMUM



PLAN VIEW

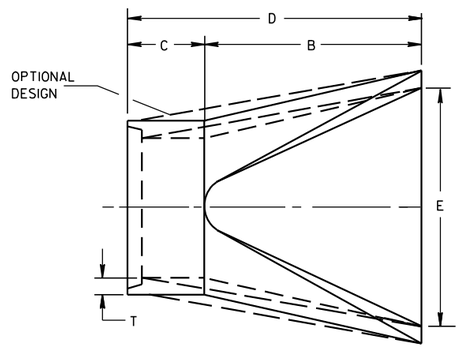


END VIEW

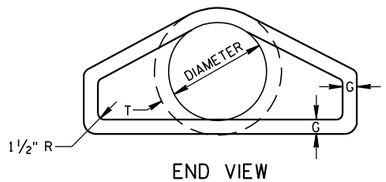


SIDE ELEVATION

METAL ENDWALLS



PLAN



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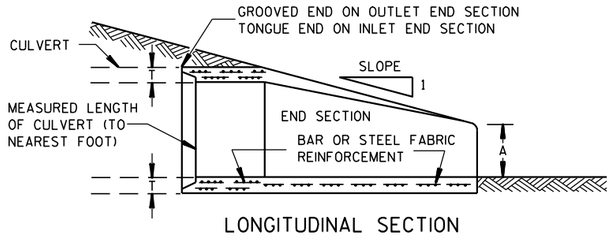
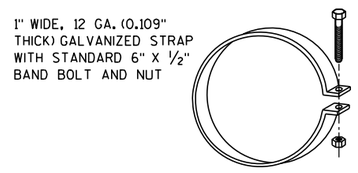


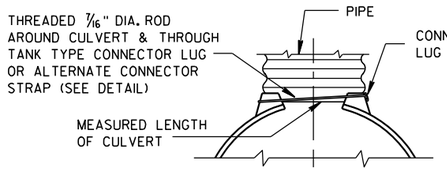
LONGITUDINAL SECTION

CONCRETE ENDWALLS

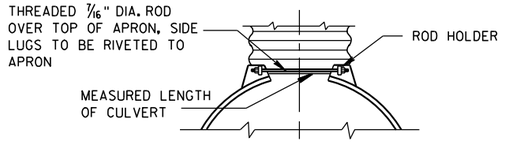


ALTERNATE FOR TYPE 1 CONNECTION

END SECTION CONNECTOR STRAP

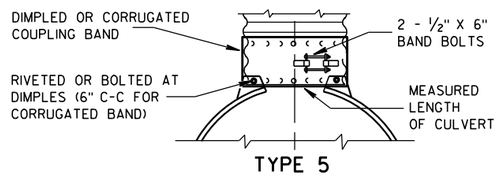


TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE

TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

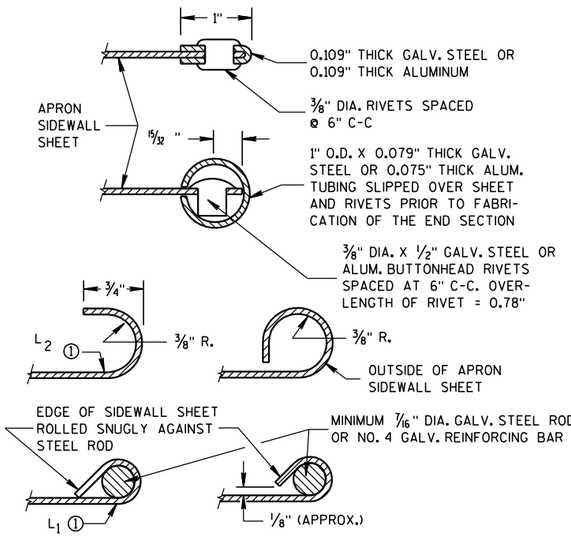
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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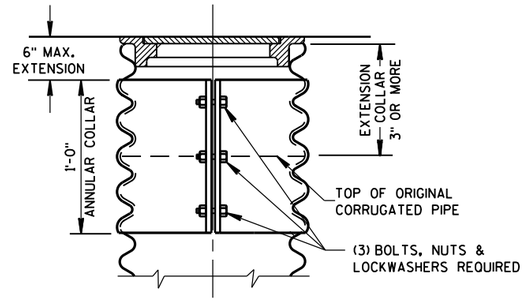
S.D.D. 8 F 1-11

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

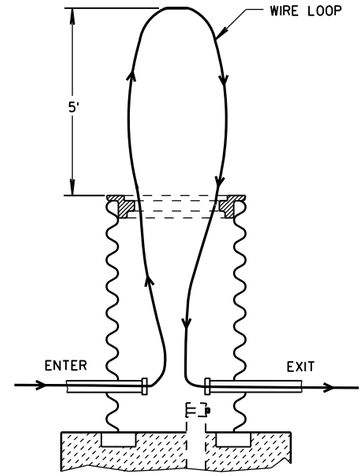
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

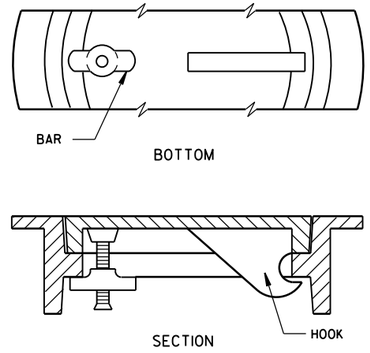
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

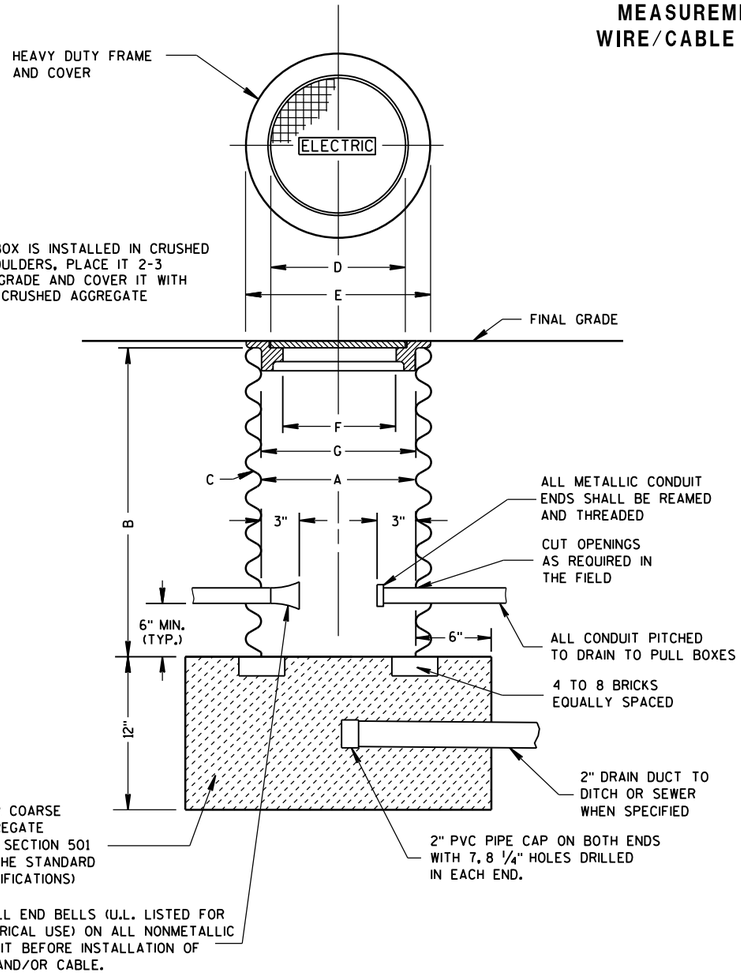


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



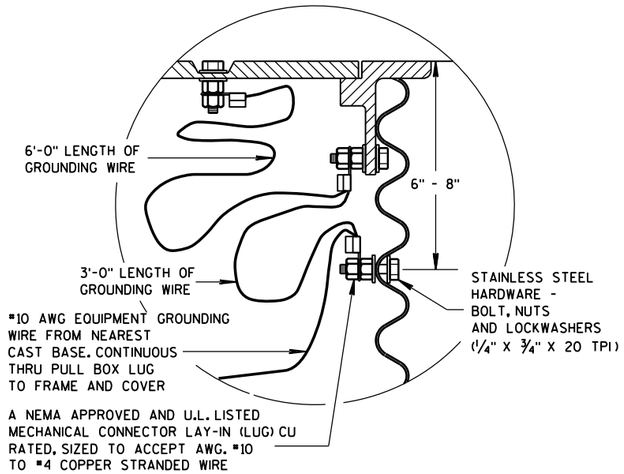
ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE

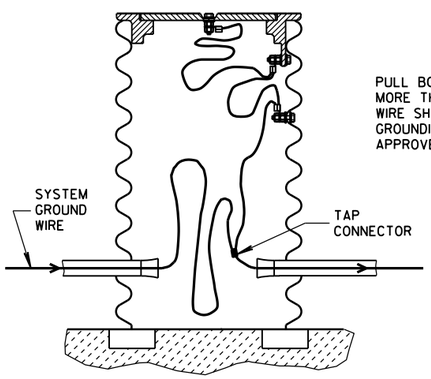


WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

GROUNDING LUGS ARE NOT REQUIRED IN PULL BOXES WHEN VOLTAGES OF LESS THAN 50 VOLTS AC ARE THE ONLY VOLTAGES ENCOUNTERED IN THE BOXES.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

S.D.D. 9B2, "CONDUIT", APPLIES TO THIS DRAWING.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

PULL BOX	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
2-7-2013 DATE	/S/ Ahmet Demirbilek STATE ELECTRICAL
FHWA	

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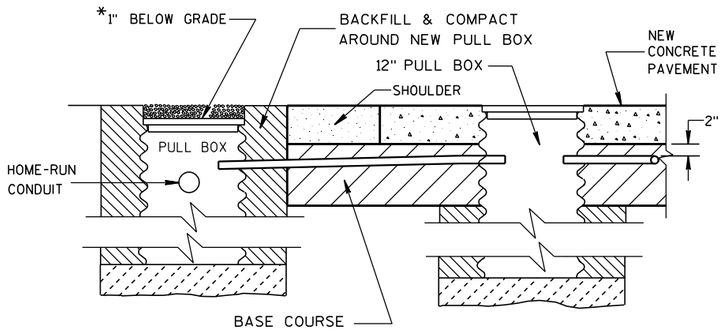


SECTION A-A

NO CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAILS

*RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS SUCH AS 3M TYPE 82A1 OR APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

ANTI-SIEZE LUBRICATING MATERIAL SHALL BE USED ON ALL THREADS OF THREADED ASSEMBLIES BEFORE INSTALLATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

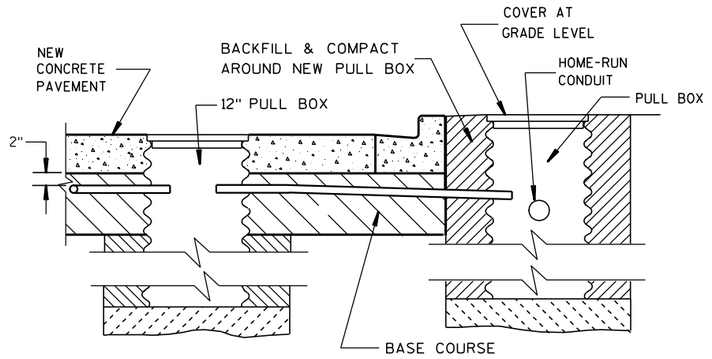
THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT, CONDULET AND PULL BOX SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE THE NEW CONCRETE PAVEMENT IS PLACED.

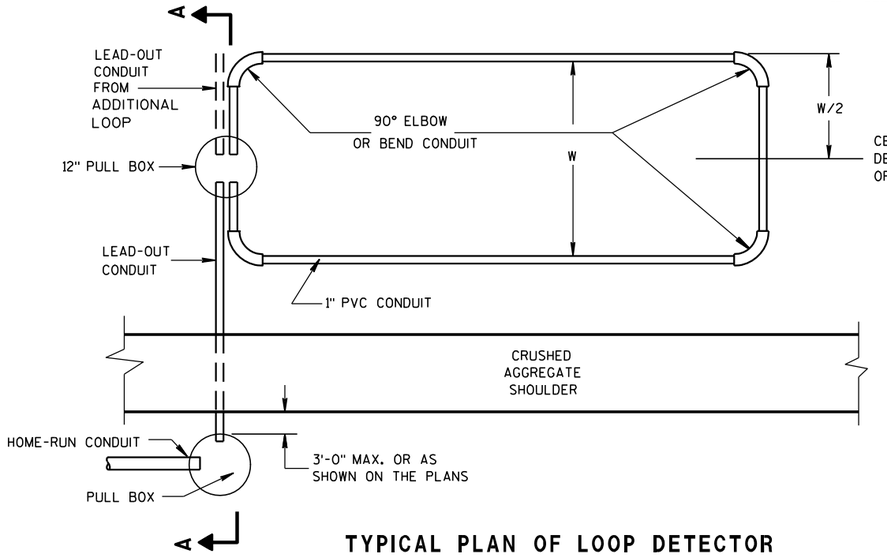
12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.



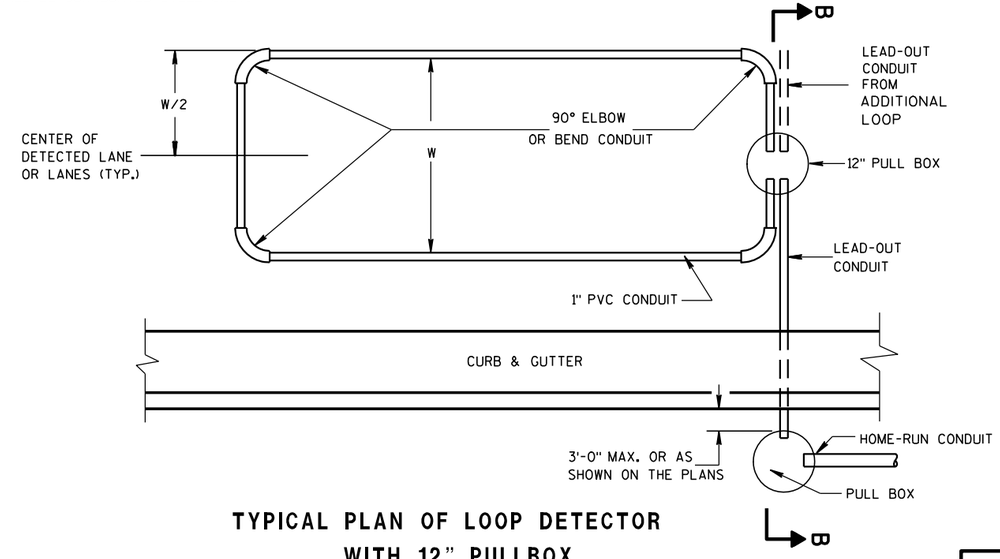
SECTION B-B

CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAILS



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMNET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6-7-06 DATE — /S/ Balu Ananthanarayanan, STATE ELECTRICAL ENGI — HWYS

FHWA

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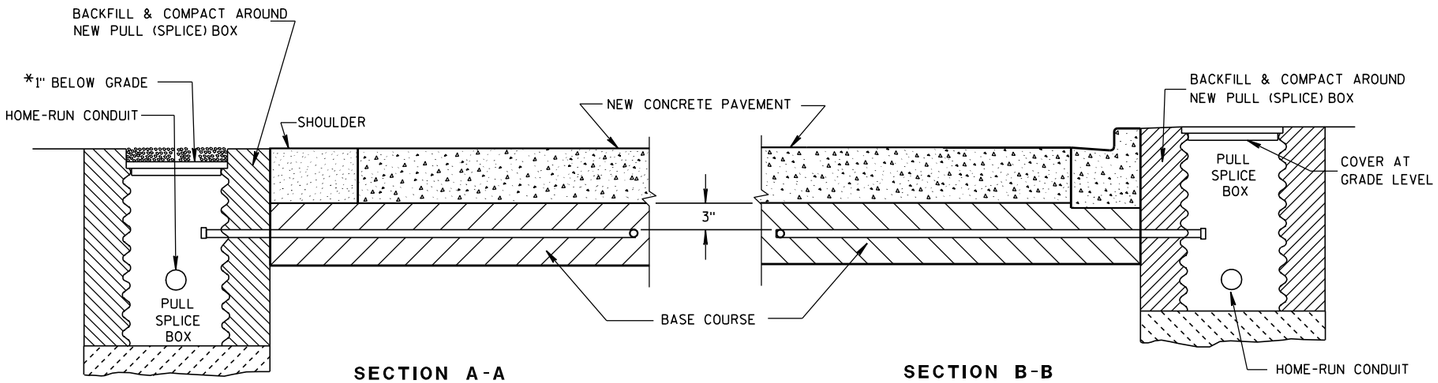


SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS SUCH AS 3M TYPE 82A1 OR APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

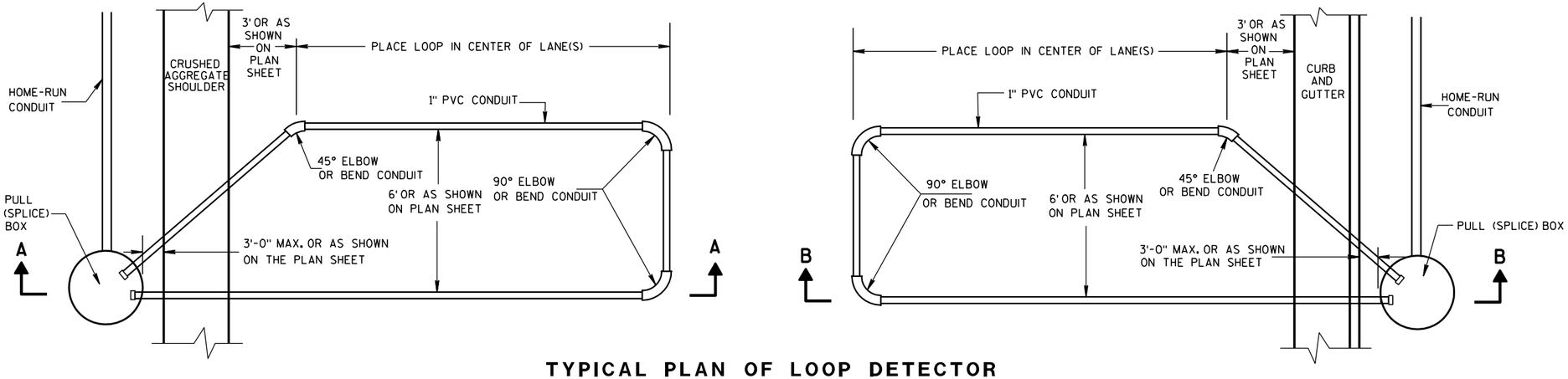
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICE CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE, SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/7/06 — DATE
/S/ Balu Aganthangarayangan — STATE ELECTRICAL ENGI
FHWA

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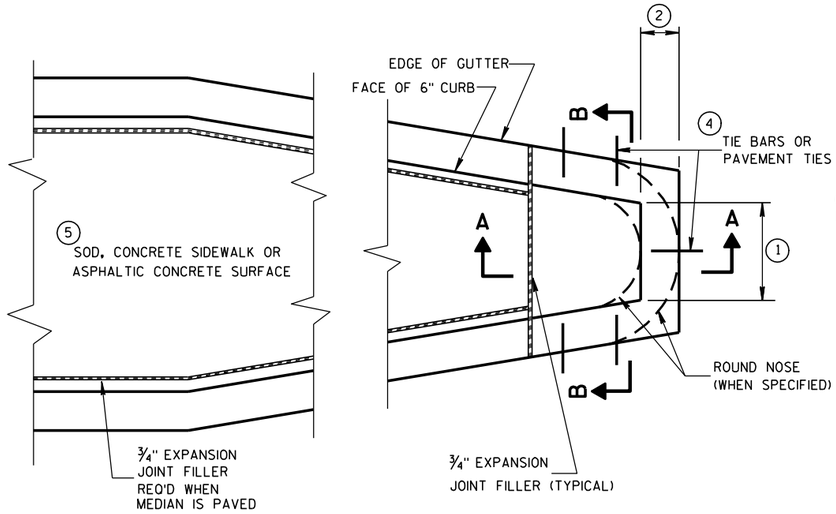
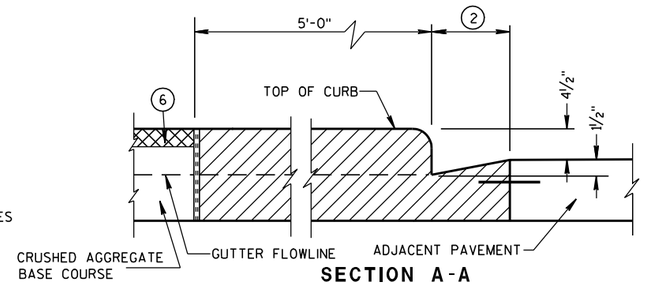
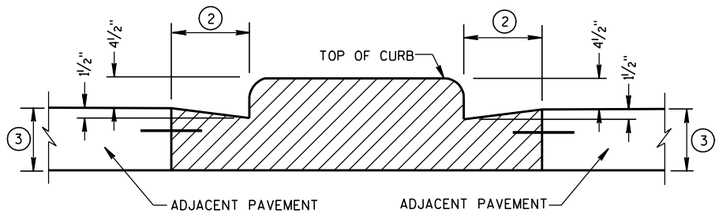
S.D.D. 9 F 15-3a





SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

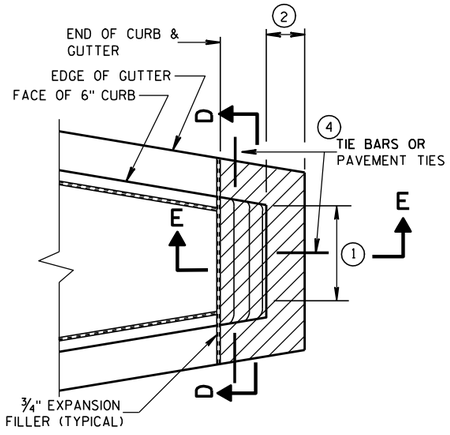
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

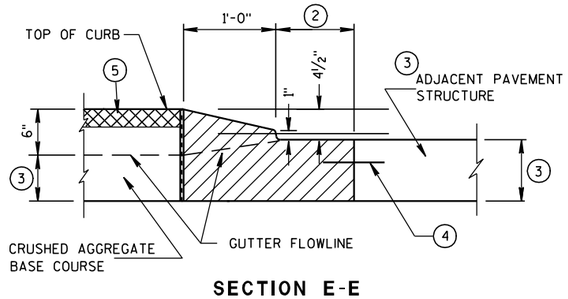
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

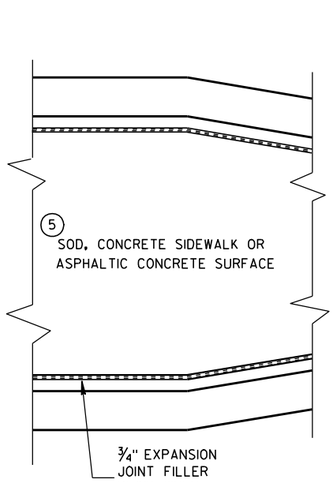
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

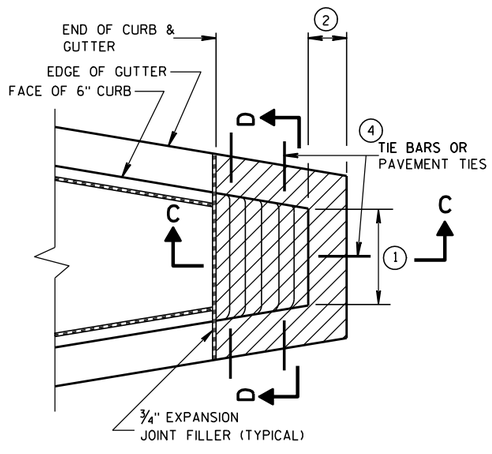




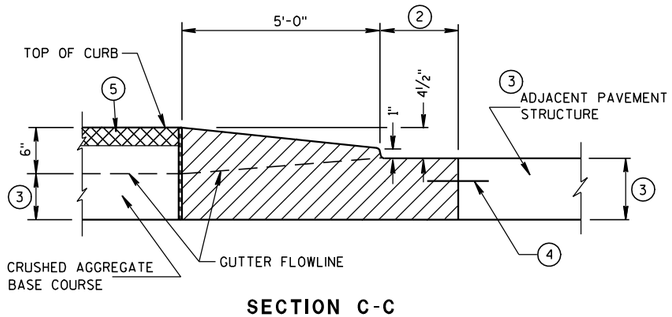
SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2

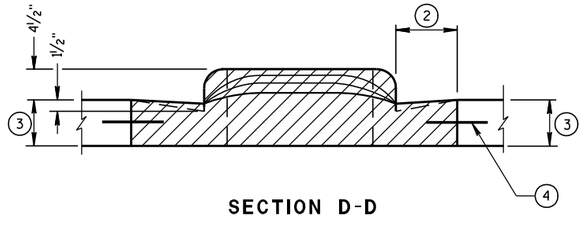




CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION C-C



SECTION D-D

CONCRETE MEDIAN NOSE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/8/2006 DATE	/S/ Jerry H. [illegible] ROADWAY STANDARDS ENGINEER
FHWA	96 NT

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S.D.D. 11 B 2-2

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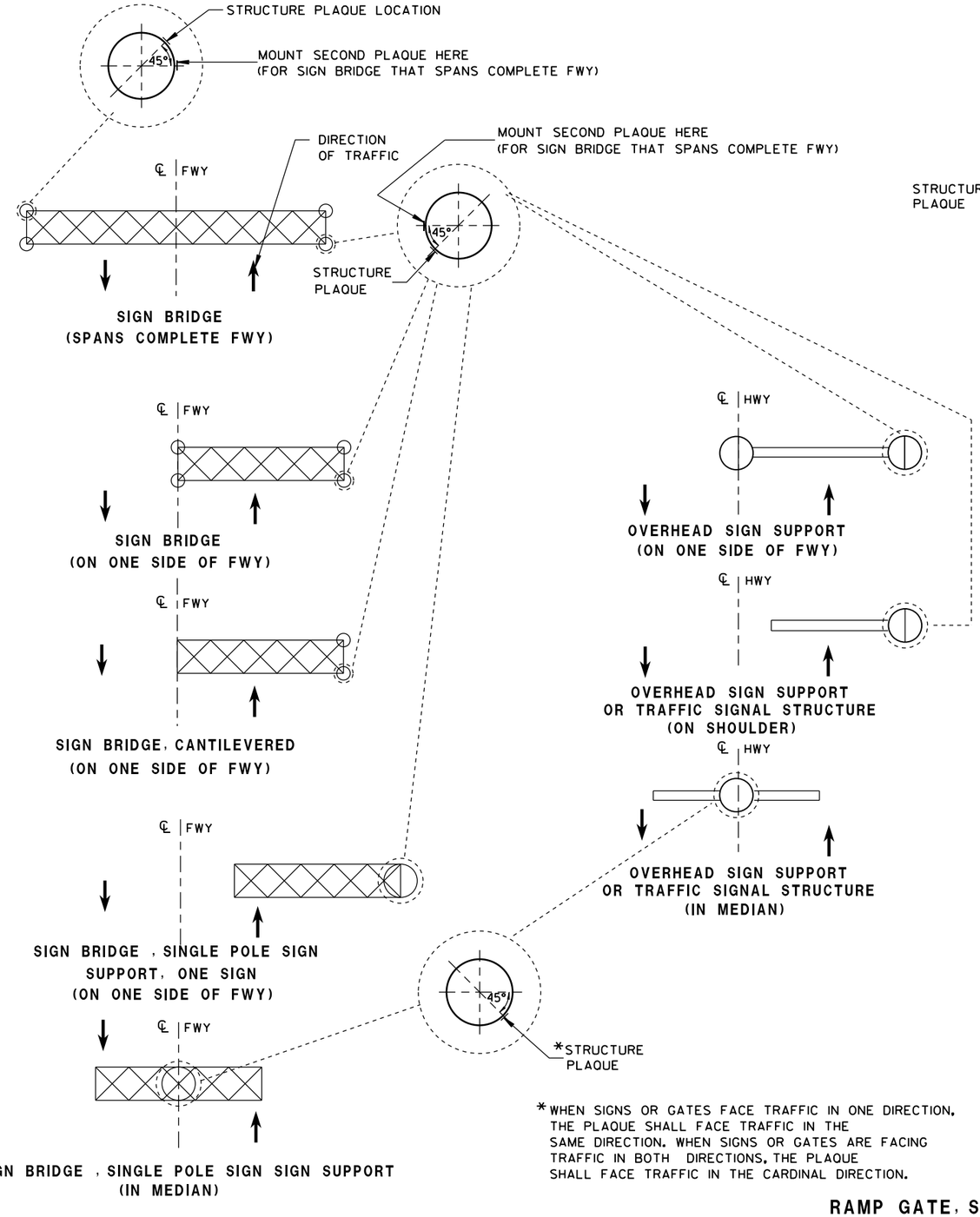
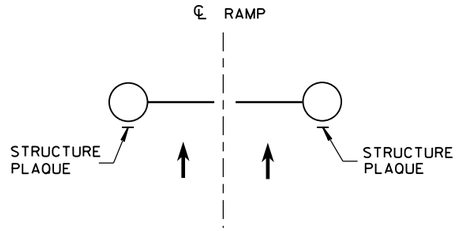
S.D.D. 11 B 2-2

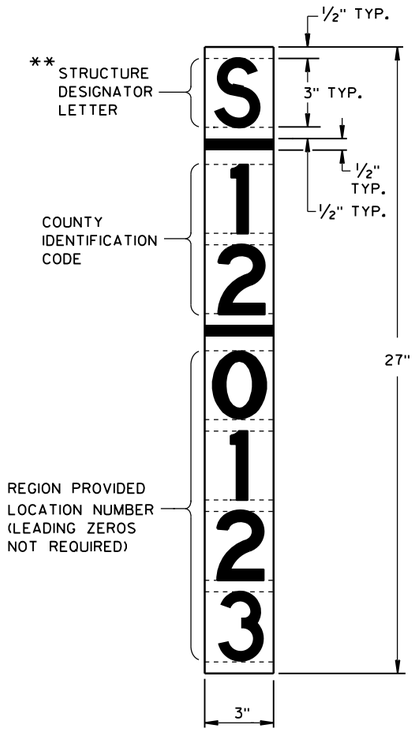


* WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



**RAMP GATE
(ACROSS FWY ON-RAMP)**



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

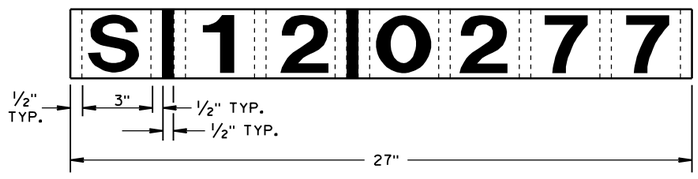
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/4/2012 DATE
/S/ Travis Feltes STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 12 A 4-3

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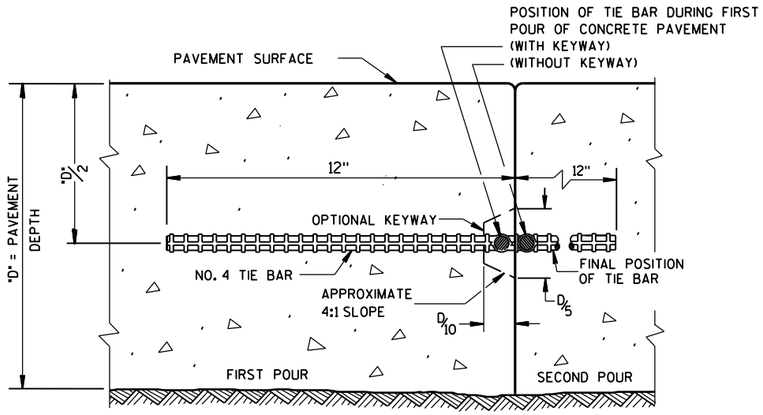
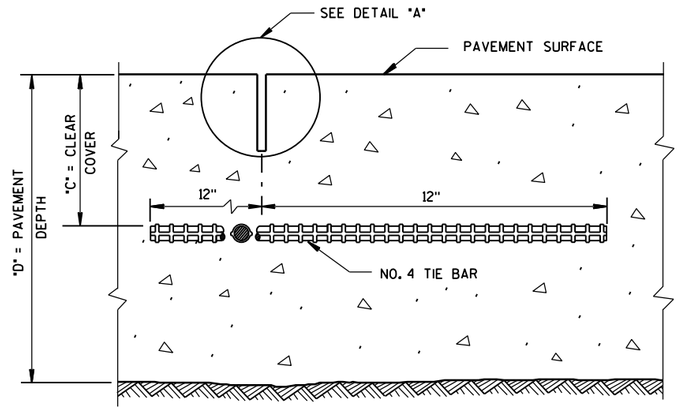
S.D.D. 12 A 4-3



CONSTRUCTION JOINT



SAWED JOINT

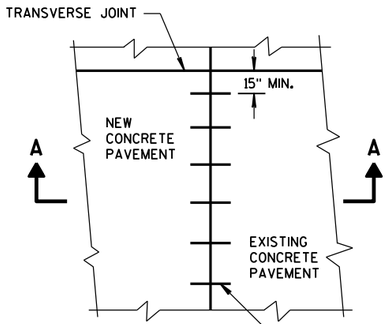
GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

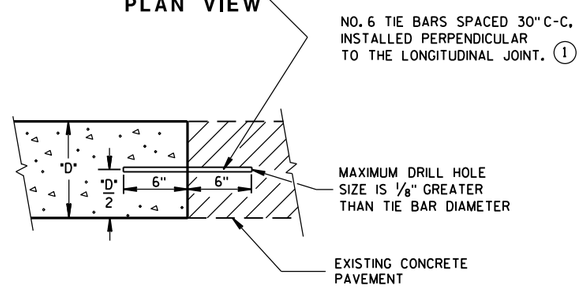
CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

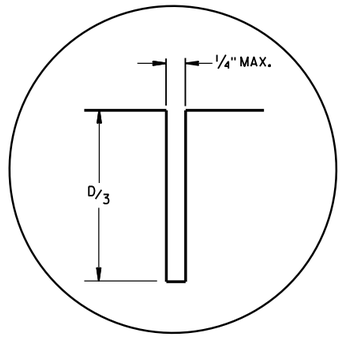


PLAN VIEW



SECTION A-A

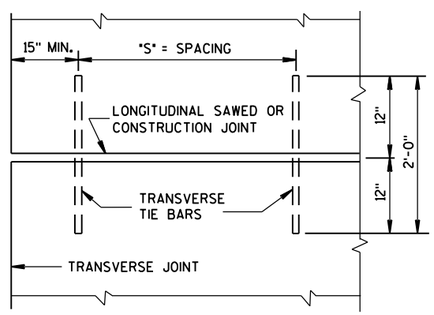
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"

TIE BAR TABLE

PAVEMENT DEPTH "D"	CLEAR COVER "C"	MAXIMUM TIE BAR SPACING "S"	
		PAVEMENT WIDTH	
		24' OR 26'	≥ 30'
6, 6 1/2"	3"±1/2"	48"	42"
7, 7 1/2"	3 1/4"±1"	45"	36"
8, 8 1/2"	3 3/4"±1"	39"	30"
9, 9 1/2"	4 1/4"±1"	33"	27"
10, 10 1/2"	4 3/4"±1"	30"	24"
11, 11 1/2"	5 1/4"±1"	27"	21"
12"	5 3/4"±1"	24"	21"



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-3-2013 DATE

/S/ Deb Bischoff
PAVEMENT POLICY & DE ENGINEER

FHWA

6

S.D.D. 13 C 1-16
S.D.D. 13 C 1-16

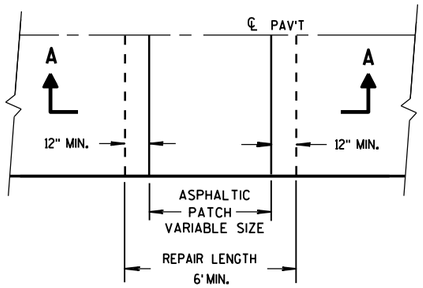
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES. ADDITIONAL SAW CUTS ARE NOT PAID FOR BY THE DEPARTMENT.

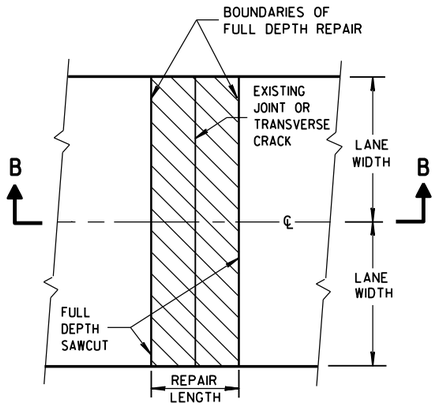
PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

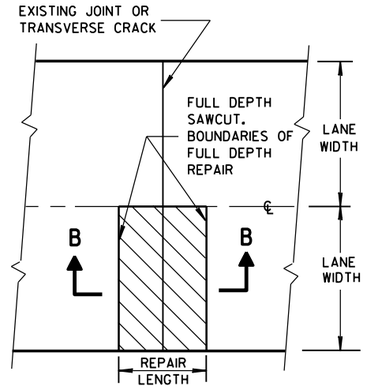
(1) DOWEL BARS MIGHT NOT EXIST.



PLAN VIEW



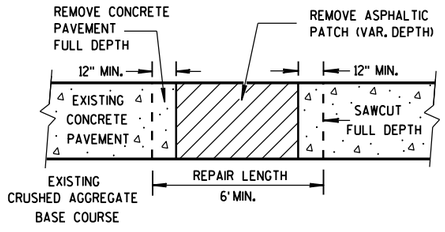
PLAN VIEW
(DOUBLE LANE REPAIR)



PLAN VIEW
(SINGLE LANE REPAIR)

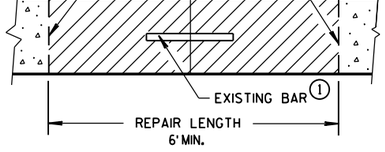
FULL DEPTH CONCRETE PAVEMENT REMOVAL

(SEE NOTE)



SECTION A-A

HMA PATCH REMOVAL



SECTION B-B

CONCRETE REMOVAL

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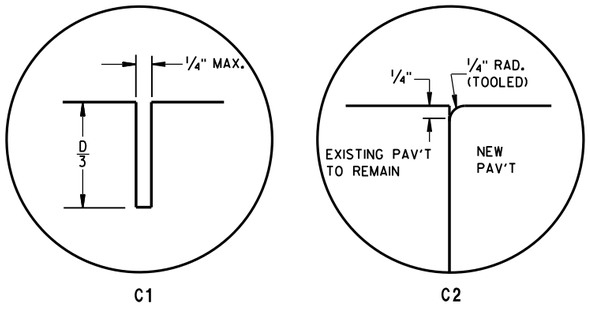
S.D.D. 13 C 9-11a

S.D.D. 13 C 9-11a

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO



C1 C2

TRANSVERSE JOINTS

TIE BAR TABLE

PAVEMENT DEPTH "D"	CLEAR COVER "C"	MAXIMUM TIE BAR SPACING "S"	
		PAVEMENT WIDTH	
		24' OR 26'	≥ 30'
6, 6 1/2"	3"±1/2"	48"	42"
7, 7 1/2"	3 1/4"±1"	45"	36"
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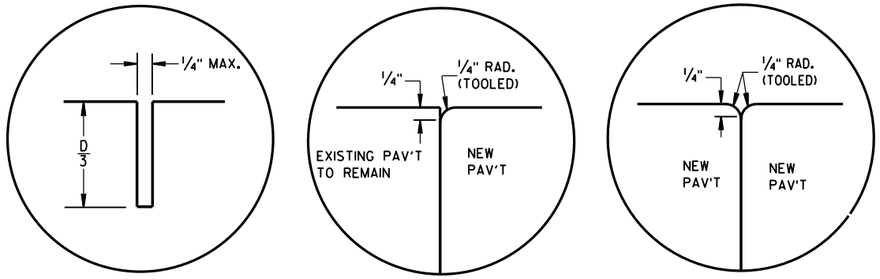
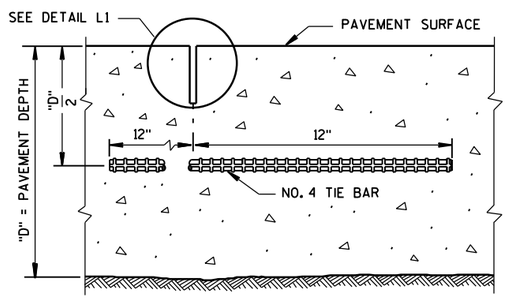


L1 L2 L3

LONGITUDINAL JOINTS



SECTION C-C

SAWED LONGITUDINAL JOINT

GENERAL NOTES

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

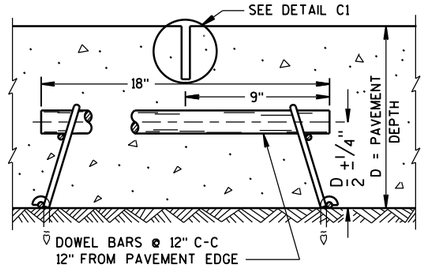
CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

DO NOT SEAL OR FILL JOINTS.

ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

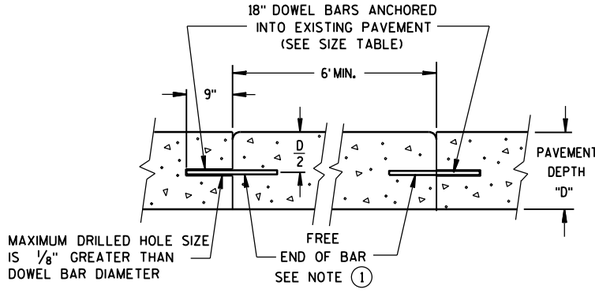
FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

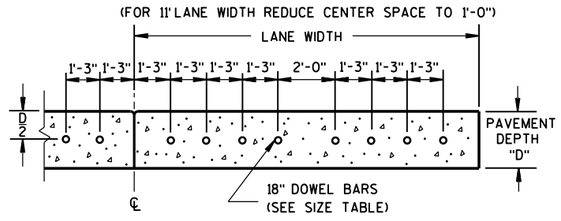


SECTION F-F

CONTRACTION JOINT



SECTION D-D

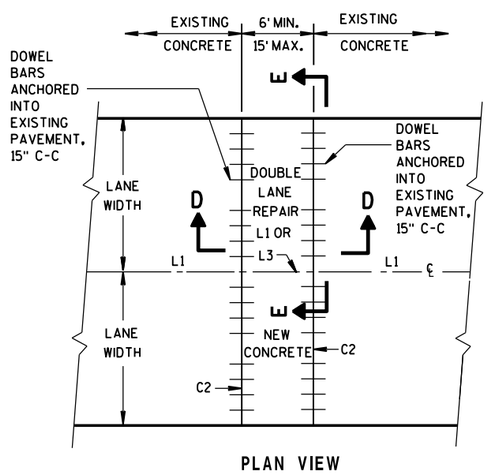


SECTION E-E

DRILLED DOWEL BAR CONSTRUCTION JOINT

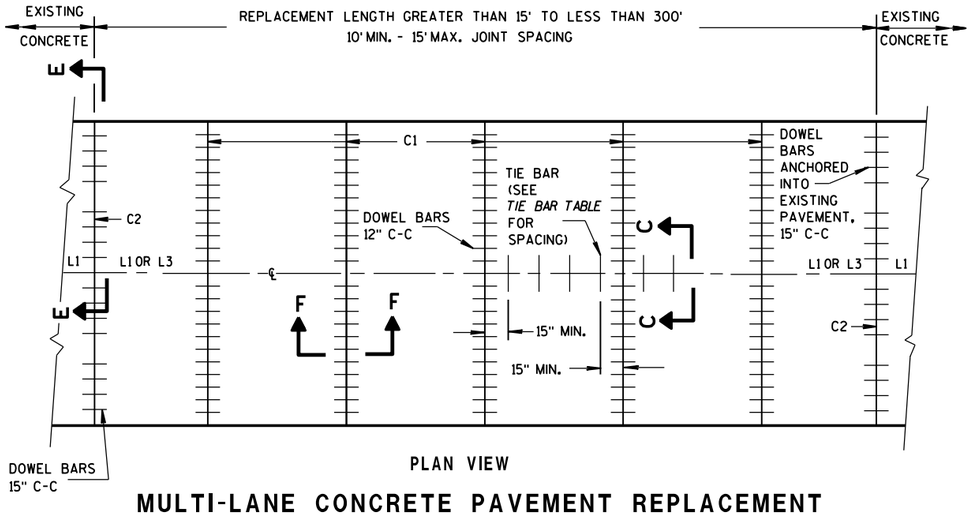
PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 1/2", 6",6 1/2"	NONE	12'
7",7 1/2"	1"	14'
8",8 1/2"	1 1/4"	15'
9",9 1/2"	1 1/4"	15'
10" & ABOVE	1 1/2"	15'



PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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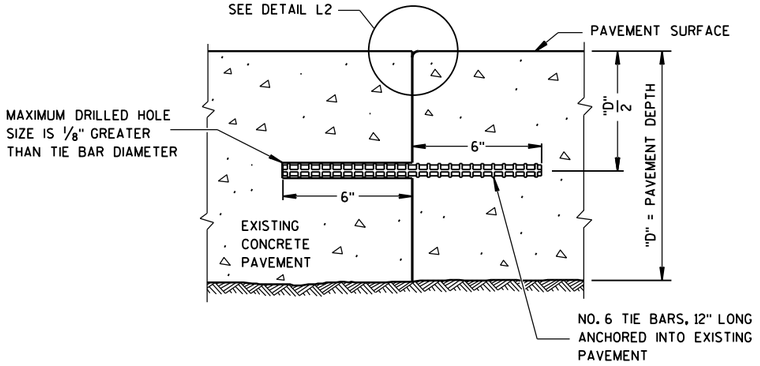
S.D.D. 13 C 9-11b



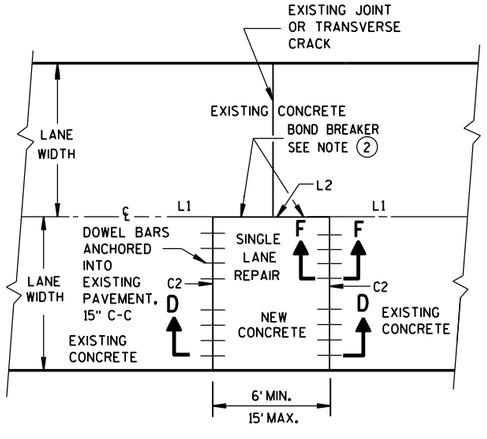
SECTION G-G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

GENERAL NOTES

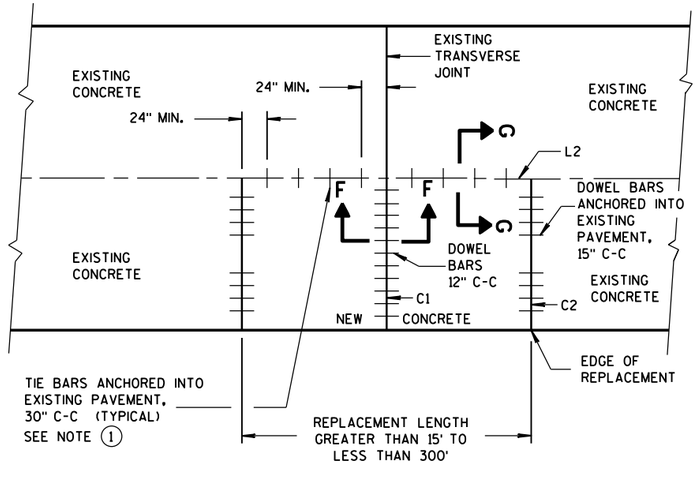
1. WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES AND TO SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

2. USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12-2013
DATE
/S/ Deb Bischoff
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FHWA

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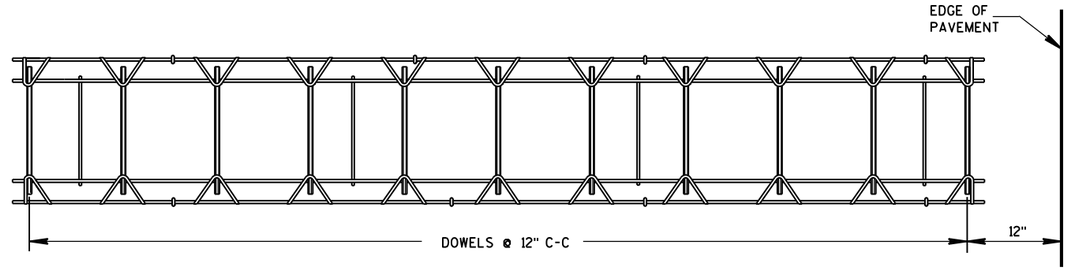
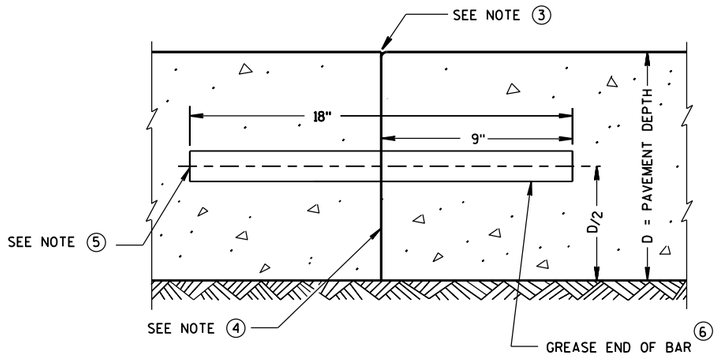


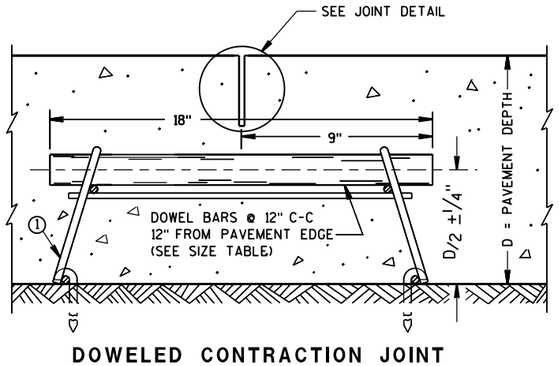
PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



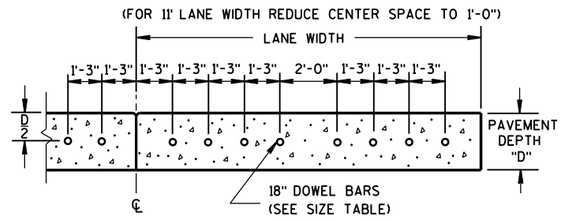
TRANSVERSE CONSTRUCTION JOINT



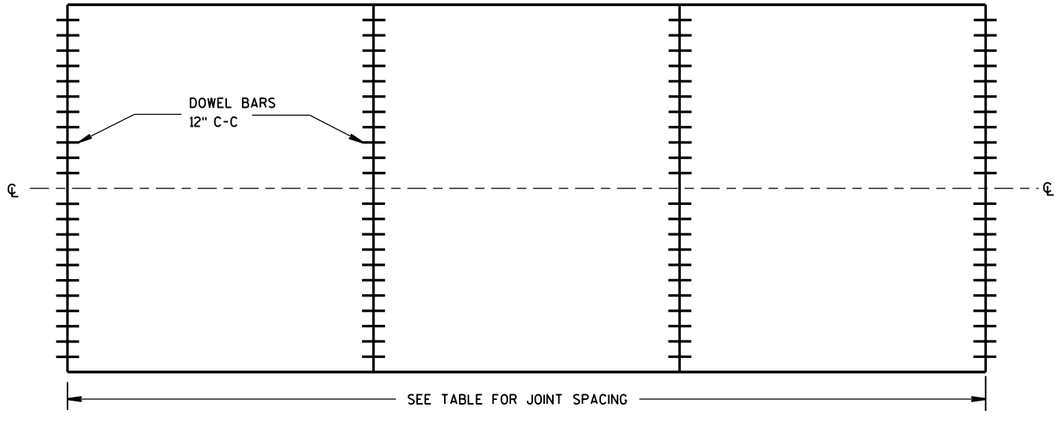
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① **OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.**

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

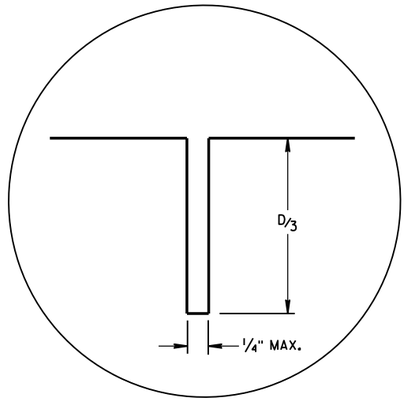
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/3/2013 DATE
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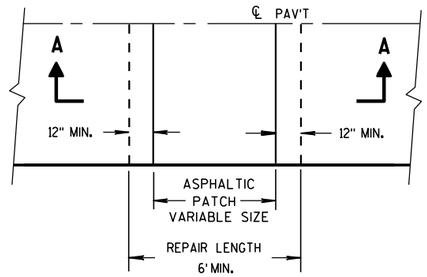
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES. ADDITIONAL SAW CUTS ARE NOT PAID FOR BY THE DEPARTMENT.

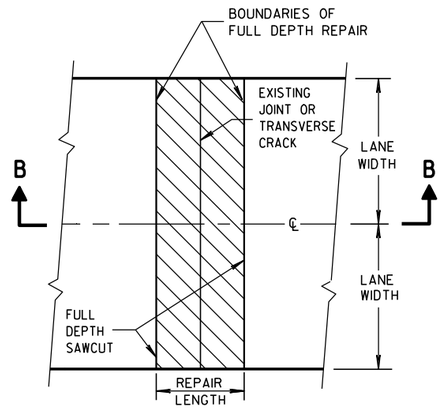
PROVIDE 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

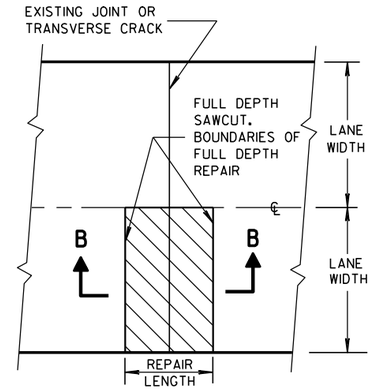
(1) DOWEL BARS MIGHT NOT EXIST.



PLAN VIEW



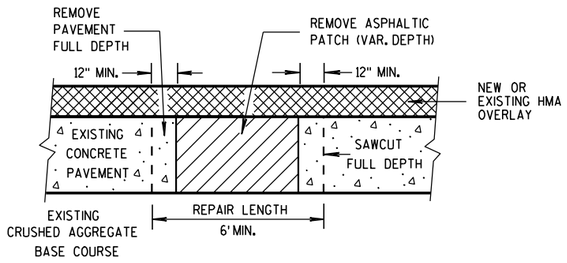
PLAN VIEW
(DOUBLE LANE REPAIR)



PLAN VIEW
(SINGLE LANE REPAIR)

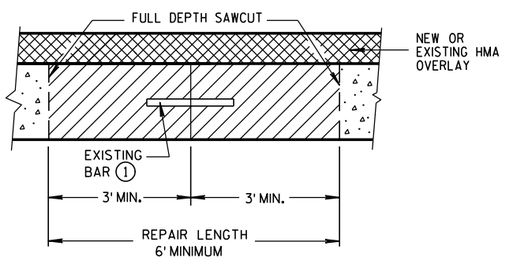
FULL DEPTH CONCRETE PAVEMENT REMOVAL

(SEE NOTE)



SECTION A-A

HMA PATCH REMOVAL



SECTION B-B

CONCRETE REMOVAL

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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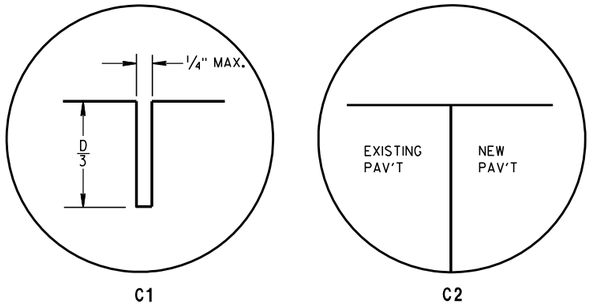
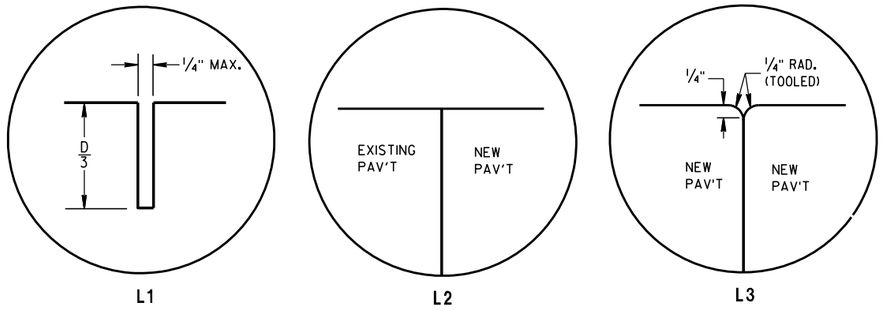
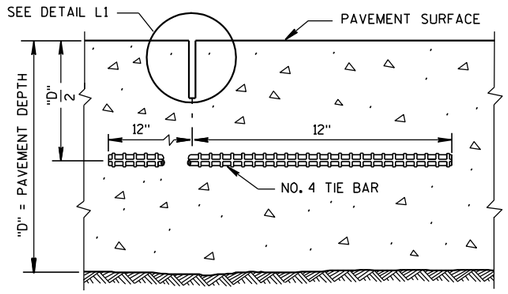


TRANSVERSE JOINTS

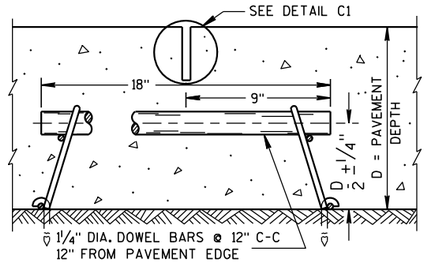


LONGITUDINAL JOINTS



SECTION C-C

SAWED LONGITUDINAL JOINT



SECTION F-F

CONTRACTION JOINT

GENERAL NOTES

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

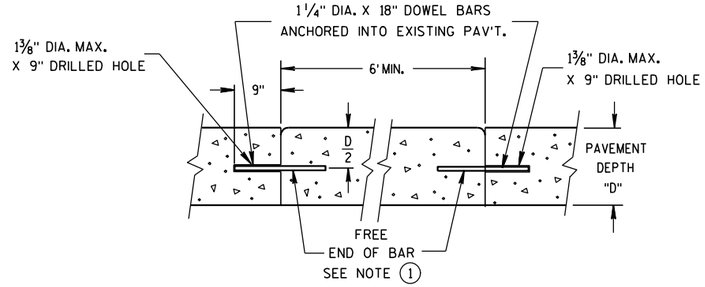
CONCRETE BASE PATCHES OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

DO NOT SEAL OR FILL JOINTS.

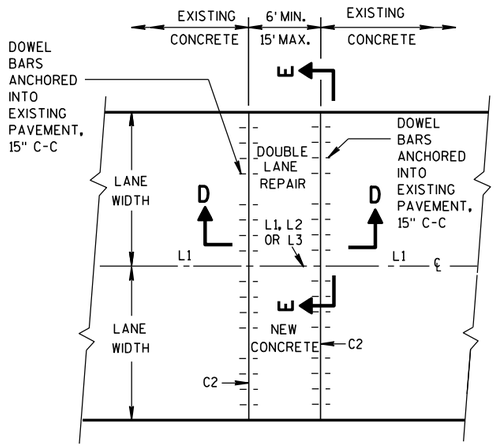
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

PROVIDE A MINIMUM DISTANCE OF 24 INCHES FROM AN EXISTING TRANSVERSE JOINT OR THE EDGE OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

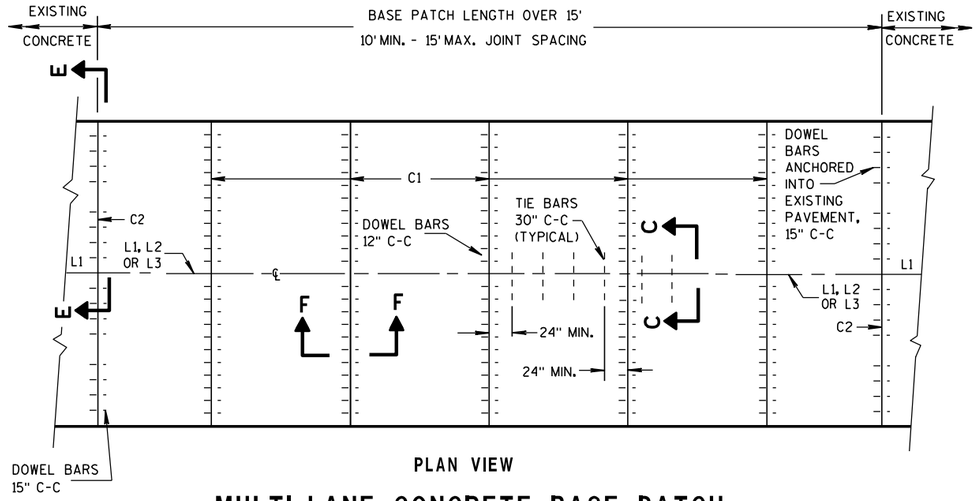


SECTION D-D



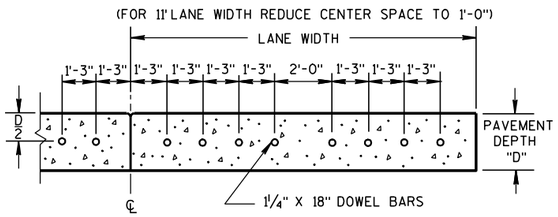
PLAN VIEW

MULTI-LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

MULTI-LANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH



SECTION E-E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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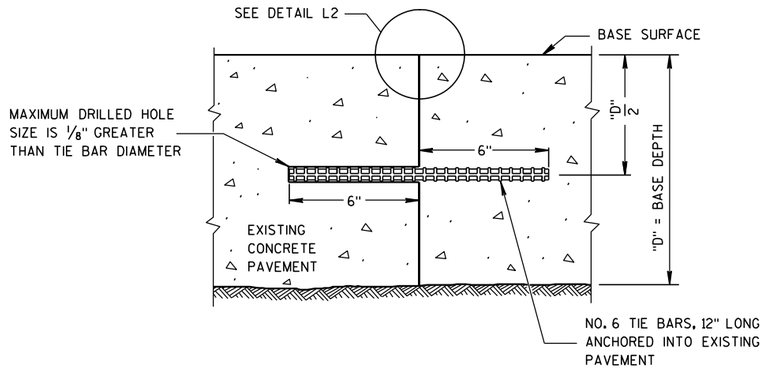
S.D.D. 13 C 14-4b



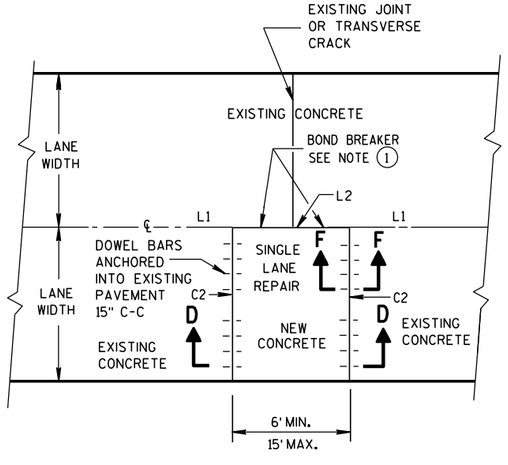
SECTION G-G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

GENERAL NOTES

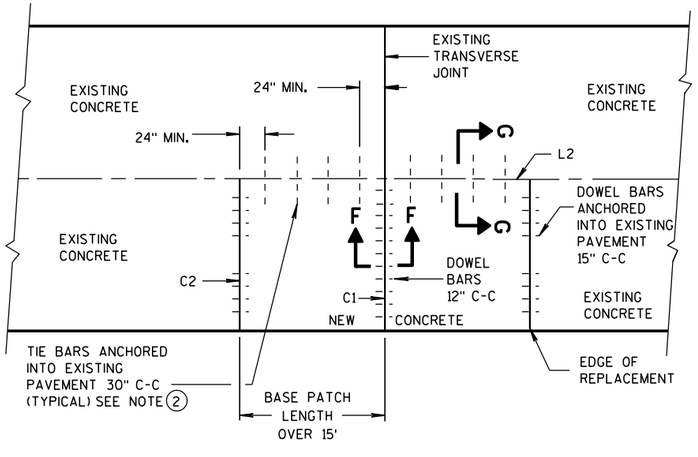
1. USE AN ENGINEER-APPROVED BOND BREAKER FOR SINGLE LANE BASE PATCHES UP TO 15 FEET IN LENGTH.

2. WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, DRILLED TIE BARS MAY BE INSTALLED ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES AND TO SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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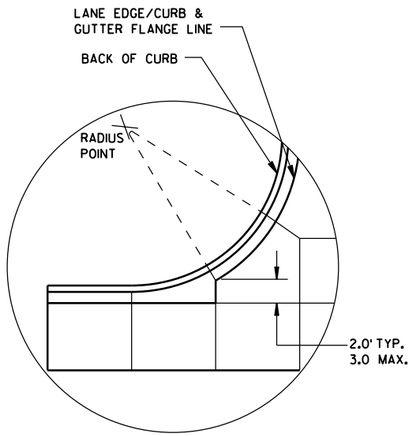
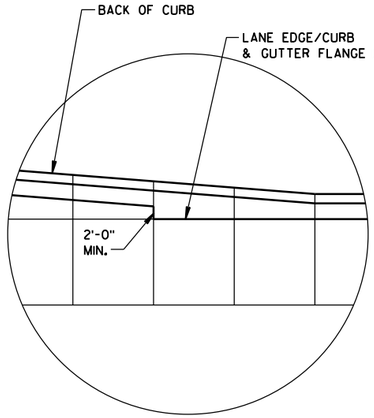


DETAIL "A"



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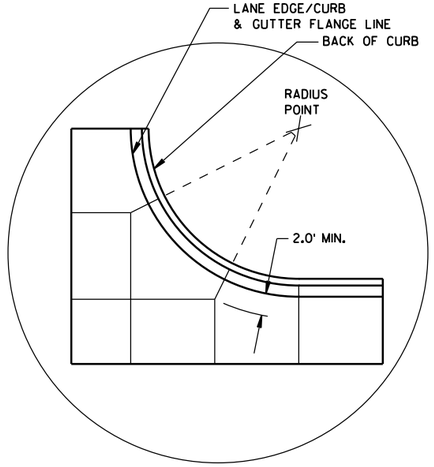

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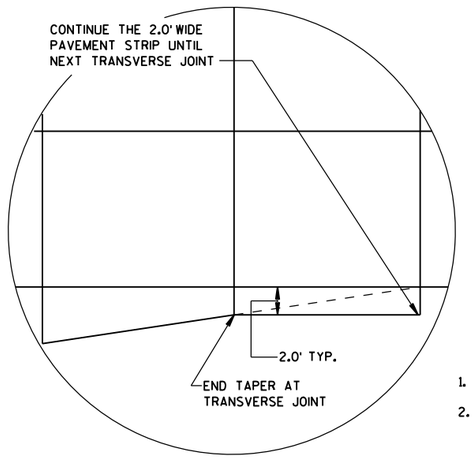


DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

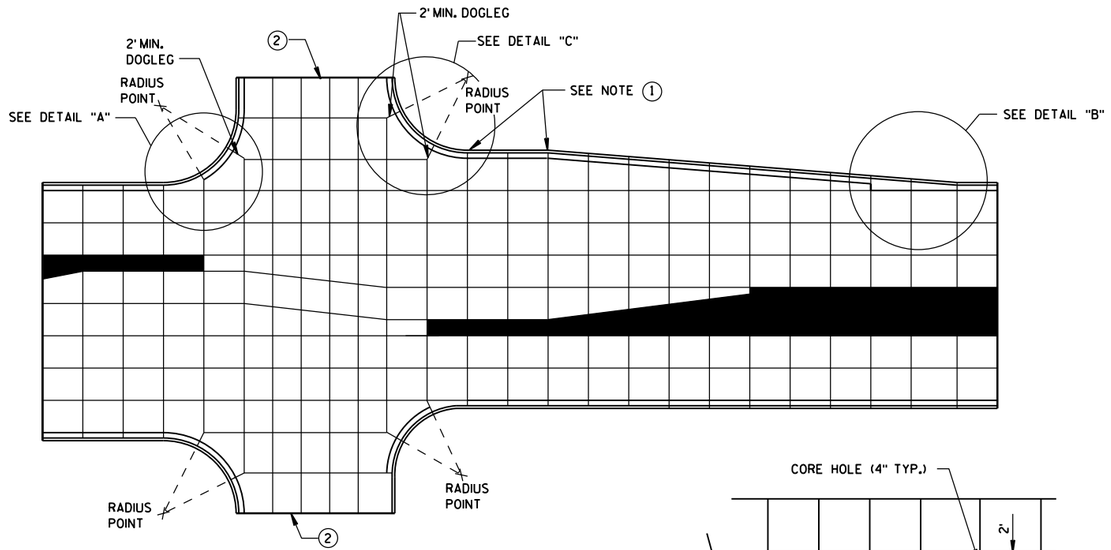
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.

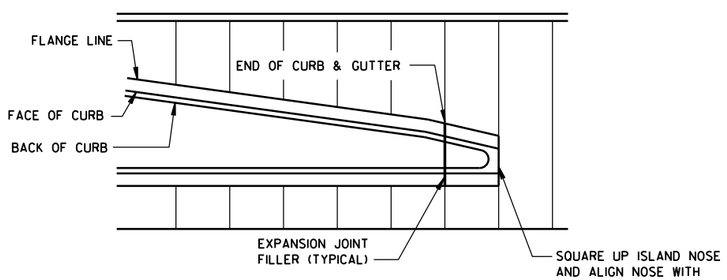


STANDARD INTERSECTION

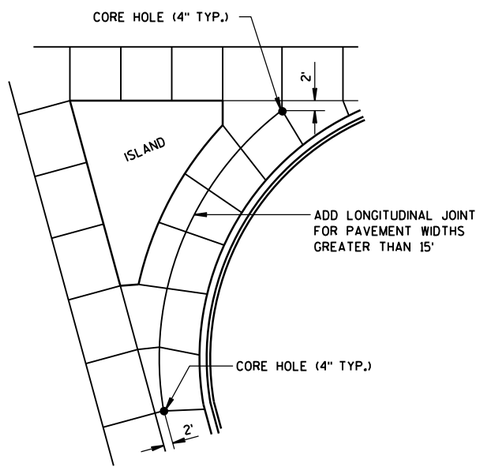
PAVEMENT DEPTH AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'

SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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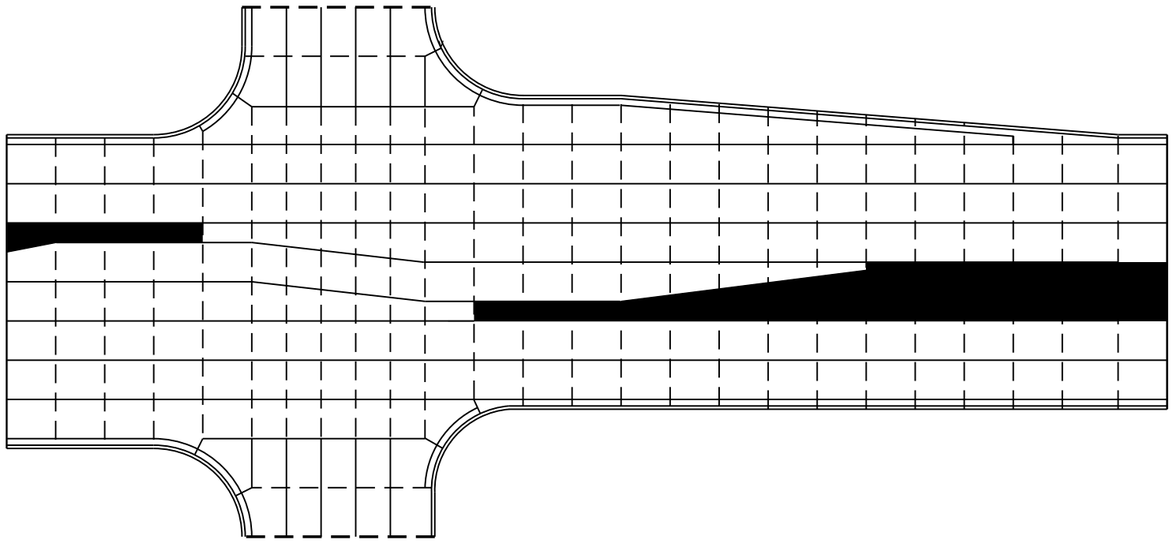
LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

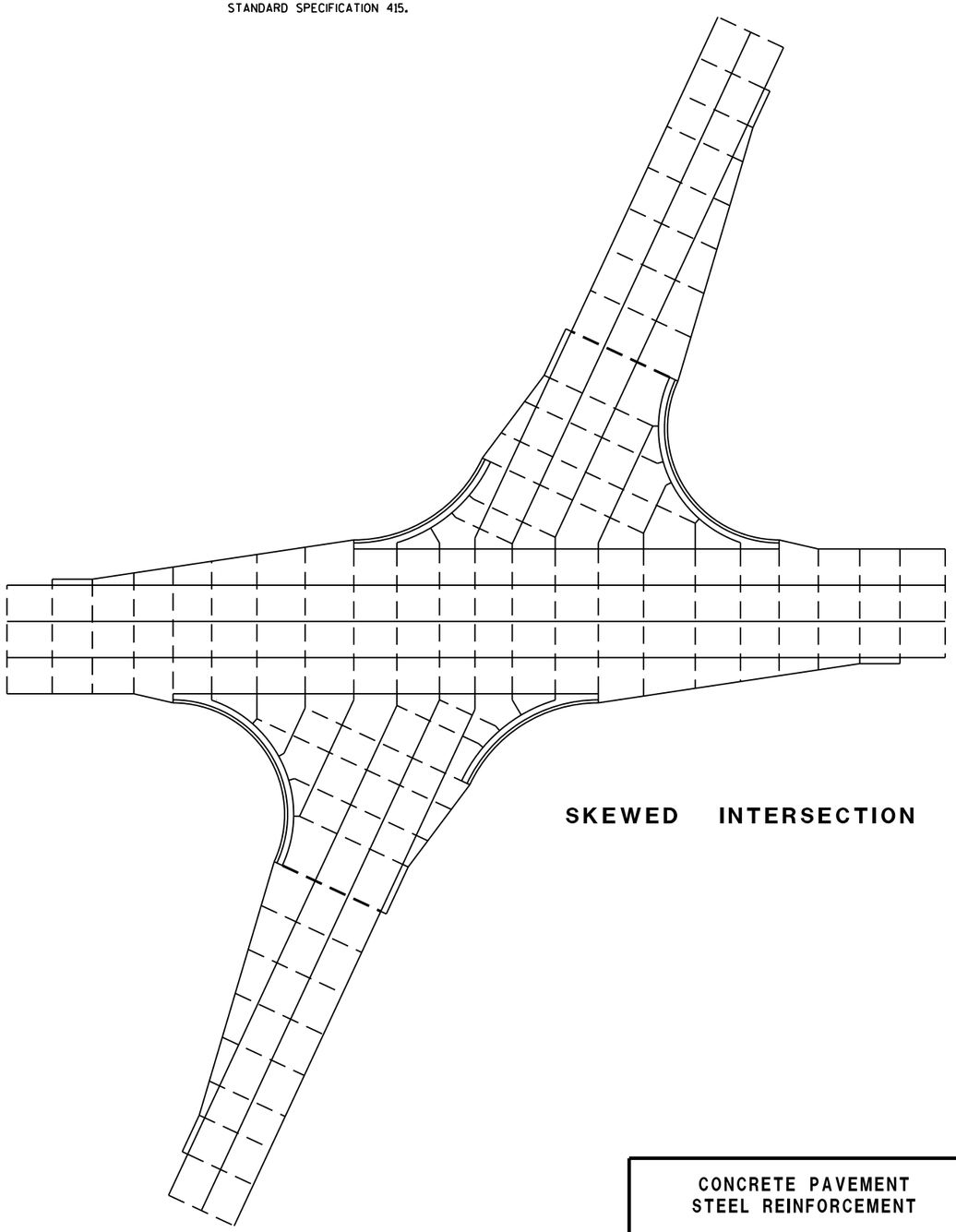
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

CONCRETE PAVEMENT
STEEL REINFORCEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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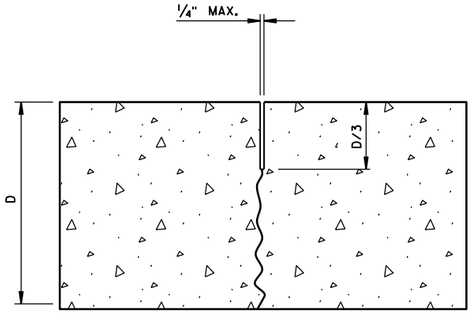
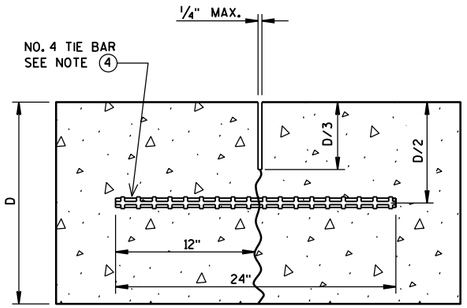


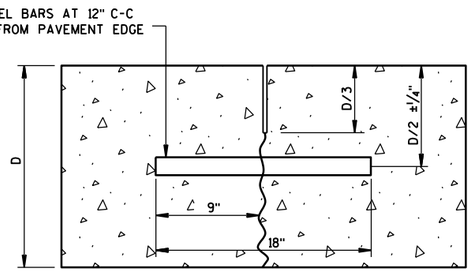
UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

GENERAL NOTES

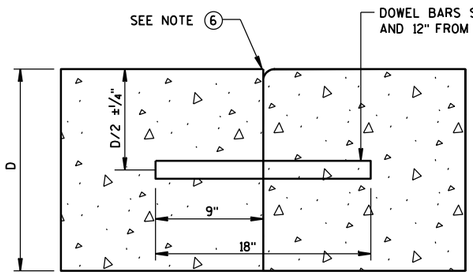
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. SPACE TIE BARS AT LONGITUDINAL CONSTRUCTION OR CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C1.
5. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
6. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.



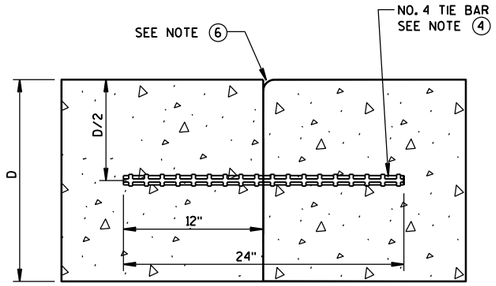
DOWELED-TRANSVERSE

CONTRACTION JOINTS

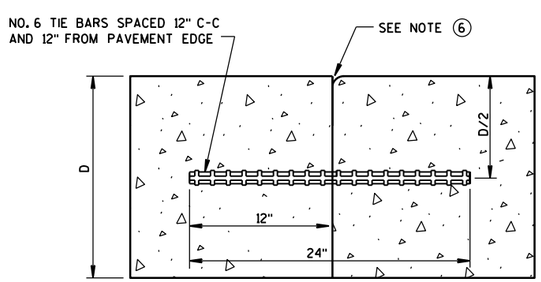
SEE NOTE (2)



DOWELED TRANSVERSE

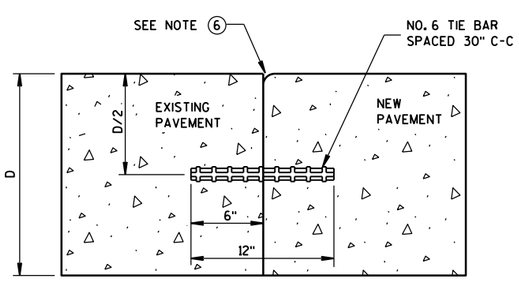


TIED LONGITUDINAL



TIED TRANSVERSE

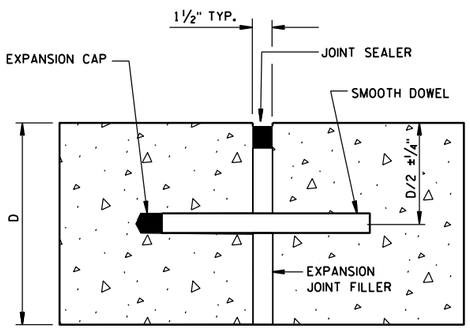
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

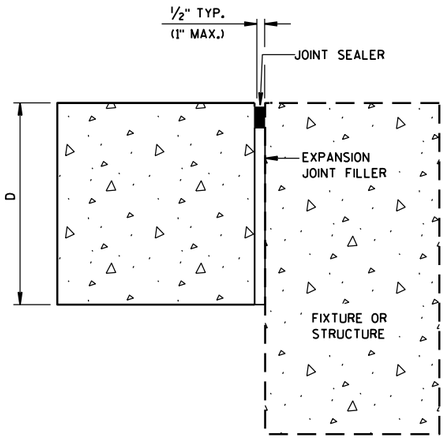
CONSTRUCTION JOINTS

SEE NOTE (5)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 13 C 18-2c

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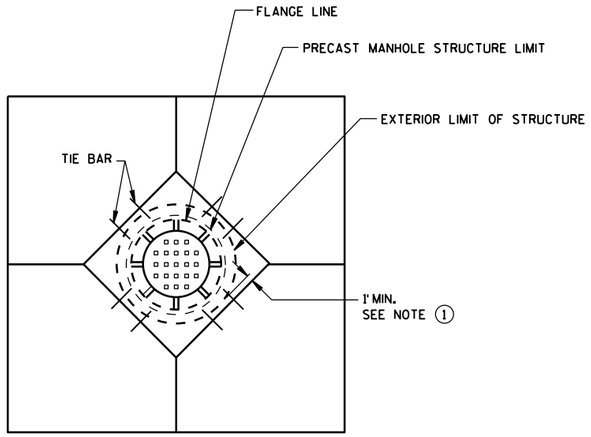
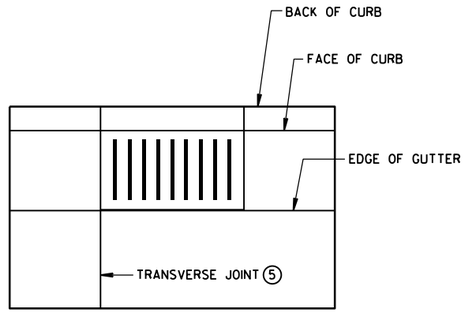
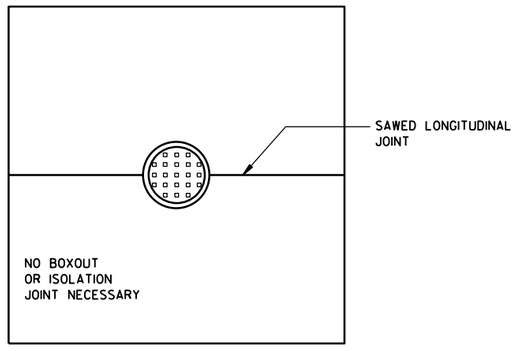
S.D.D. 13 C 18-2c



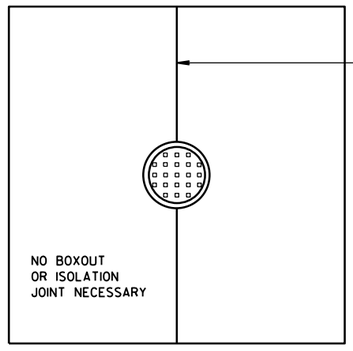
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



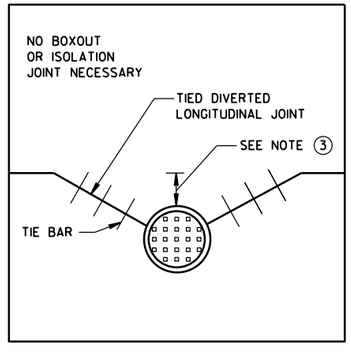
INLET WITH TRANSVERSE JOINT



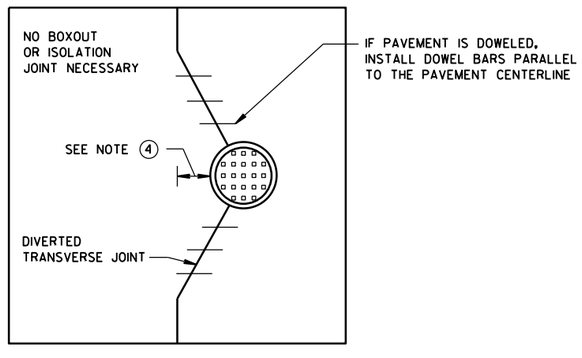
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-3-2013
DATE

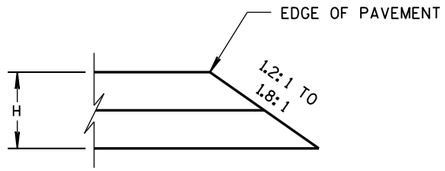
/S/ Deb Bischoff
PAVEMENT POLICY & DE

NEER

FHWA

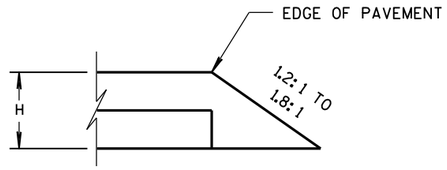
6

S.D.D. 13 C 18-2d



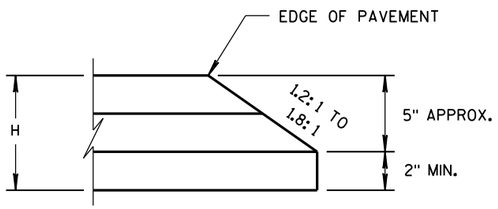
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



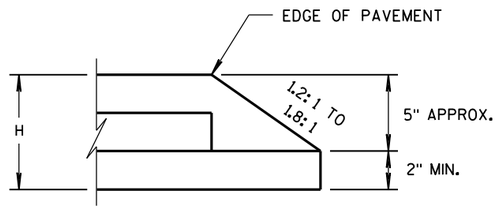
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

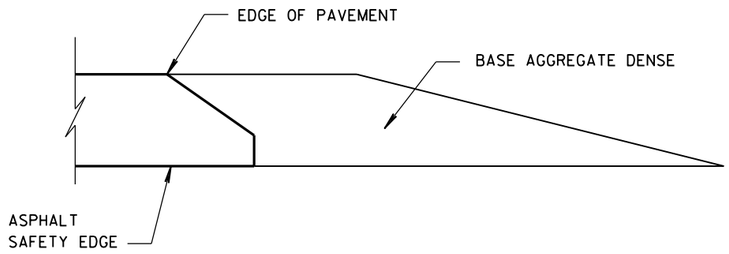
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

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S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

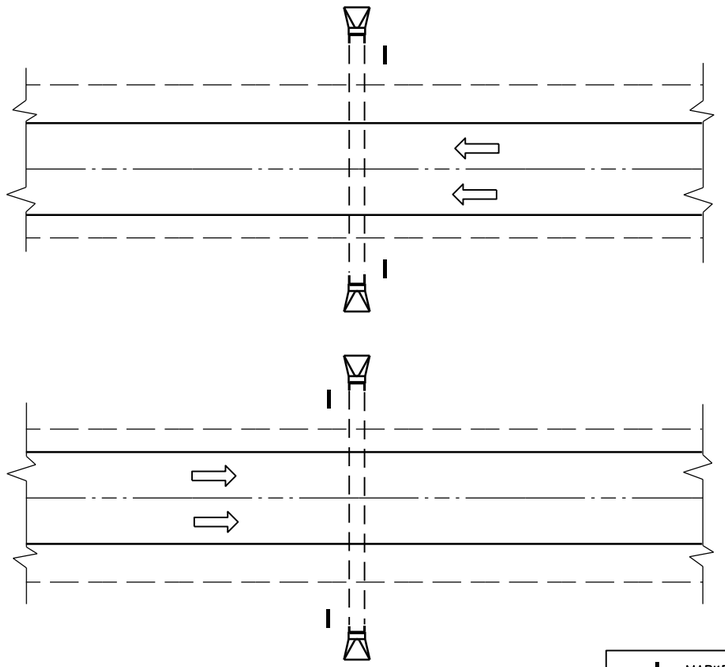
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

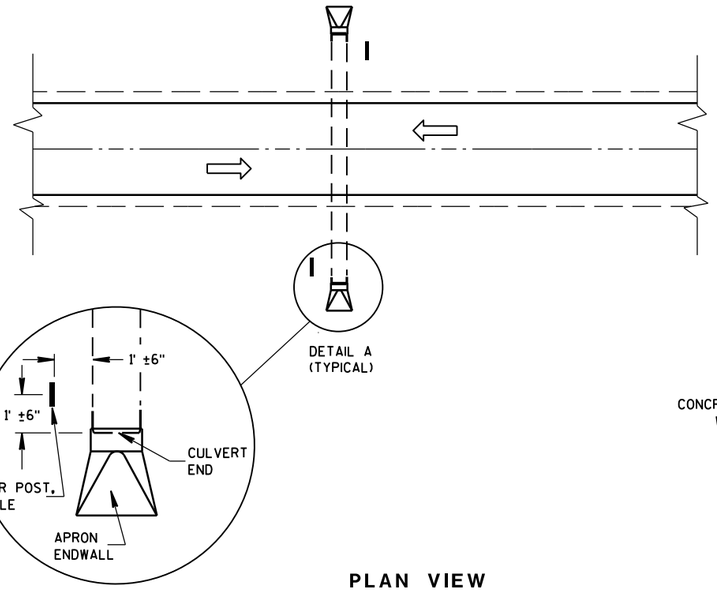
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

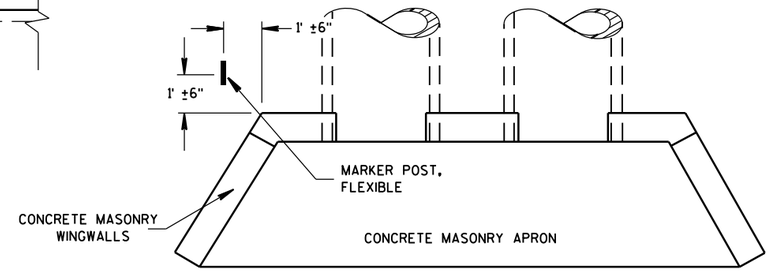
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

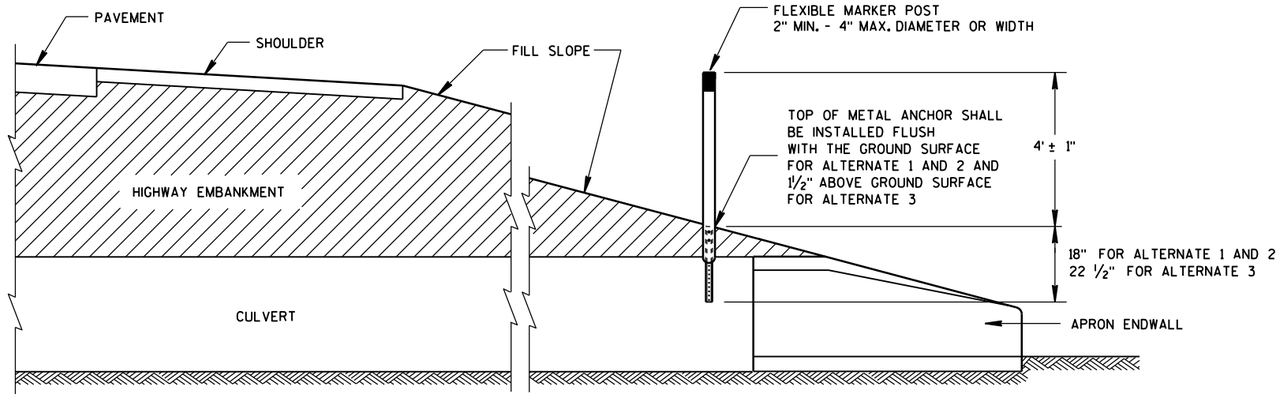
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 A 3-2a

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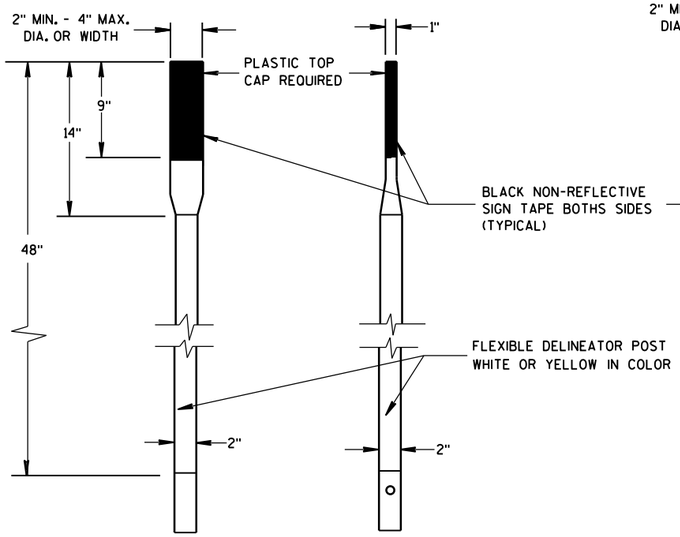
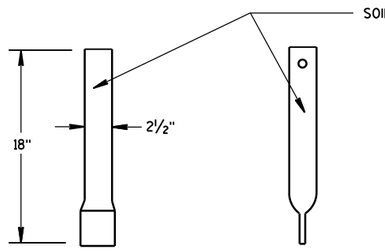
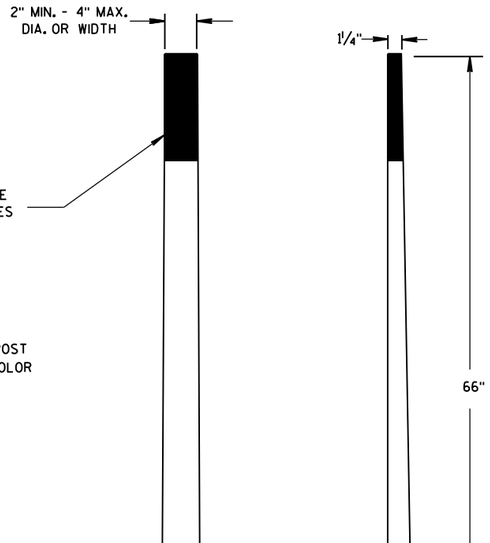
S.D.D. 15 A 3-2a





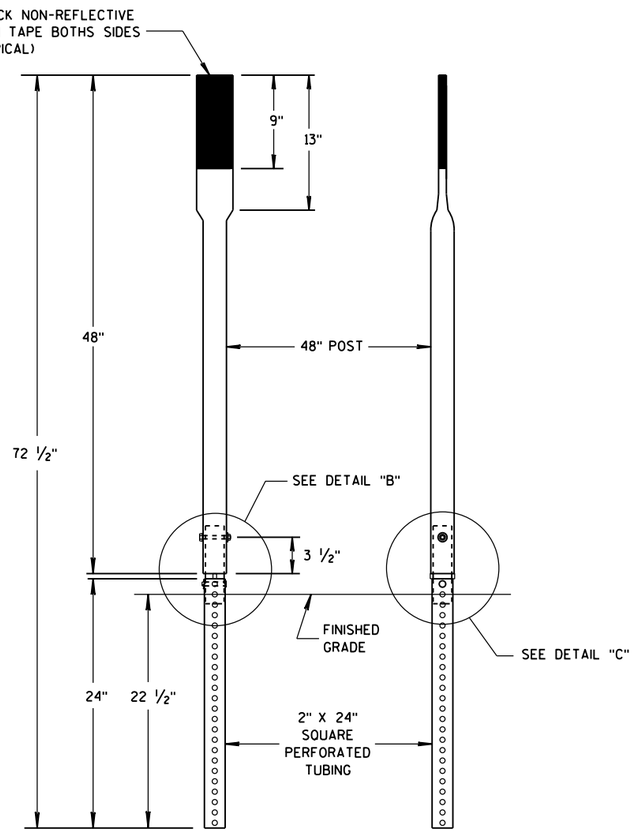
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

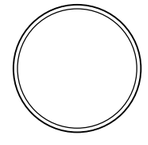
ALTERNATE 2



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS



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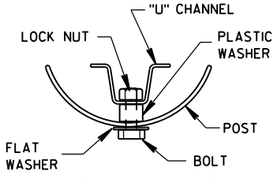

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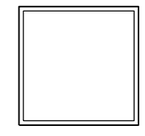
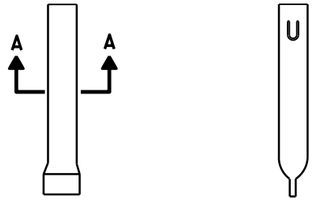
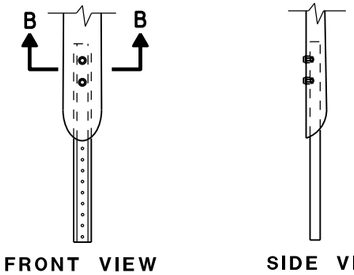


SECTION C-C



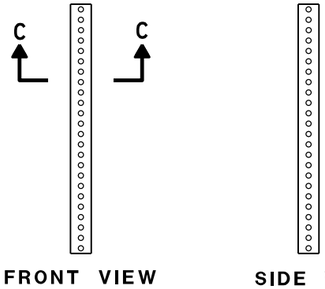
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

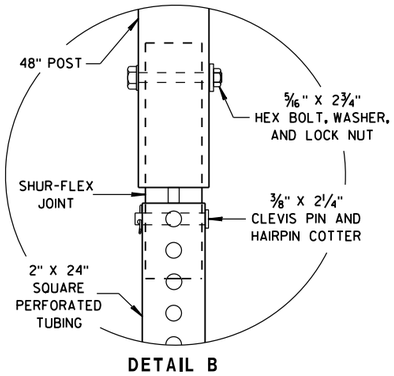
ALTERNATE 2



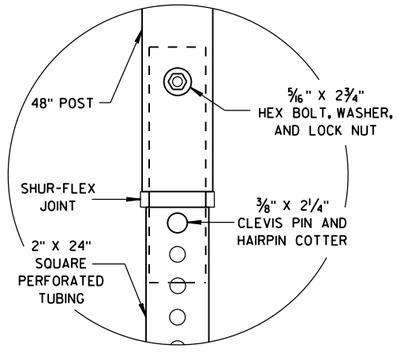
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

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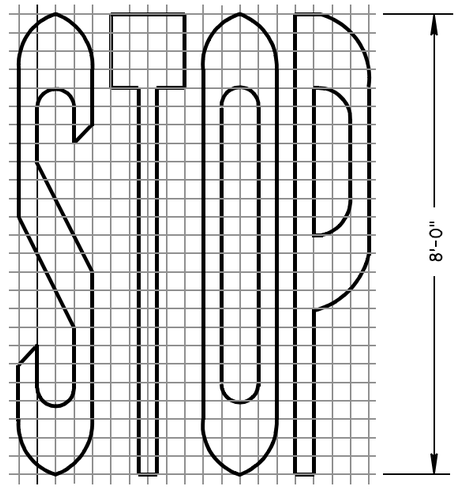
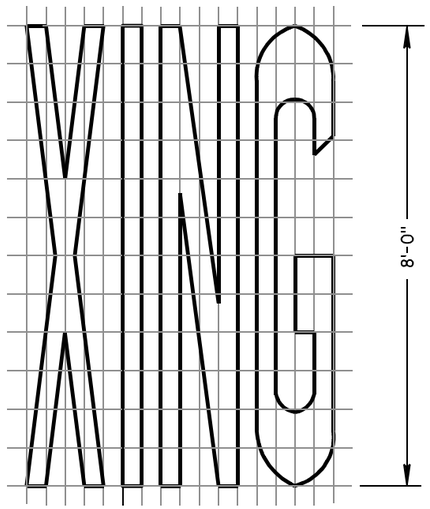
S.D.D. 15 A 3-2b

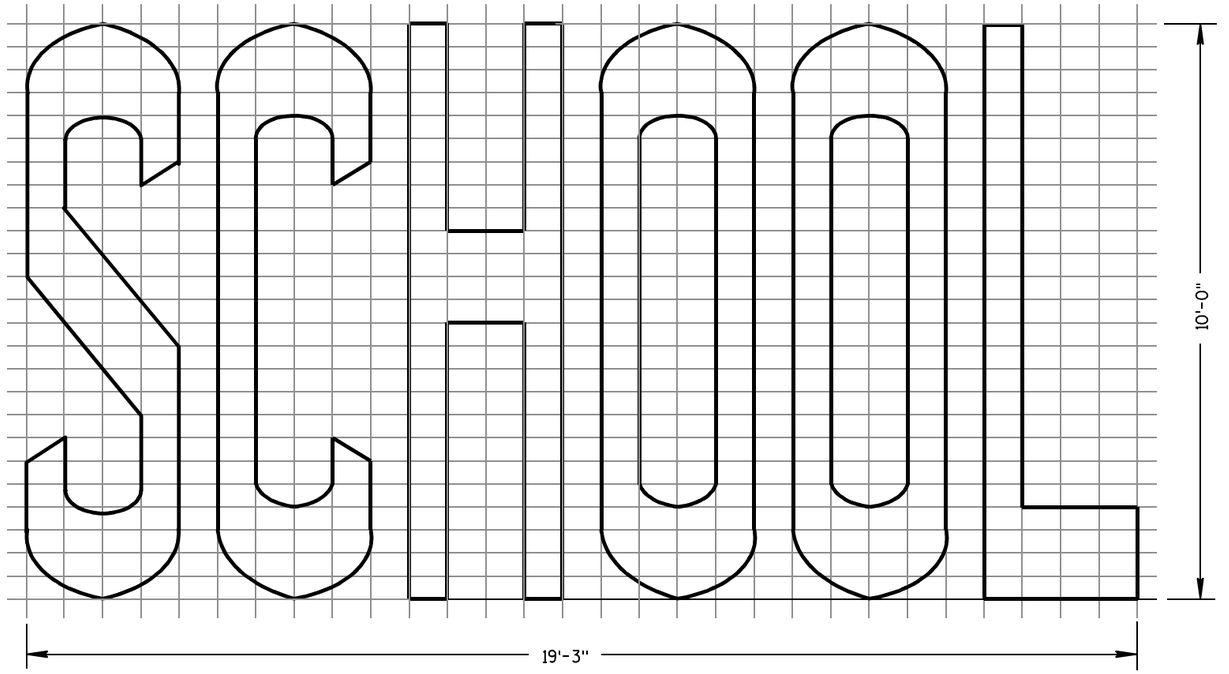
GENERAL NOTES

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

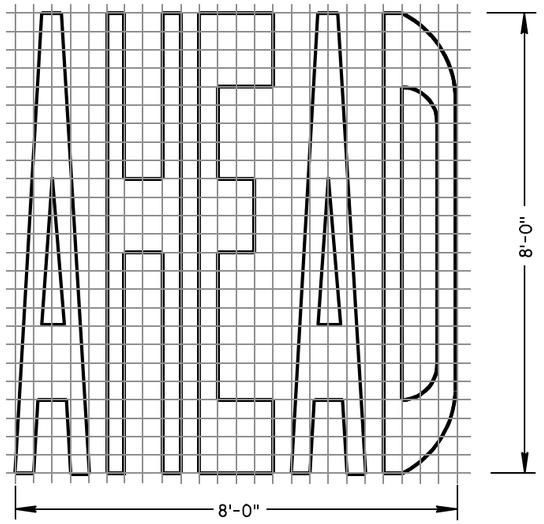
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

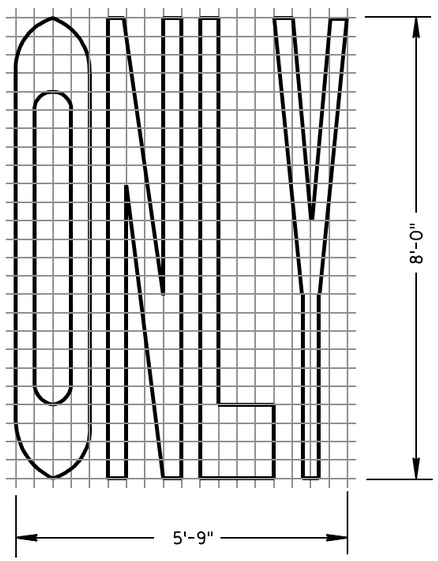


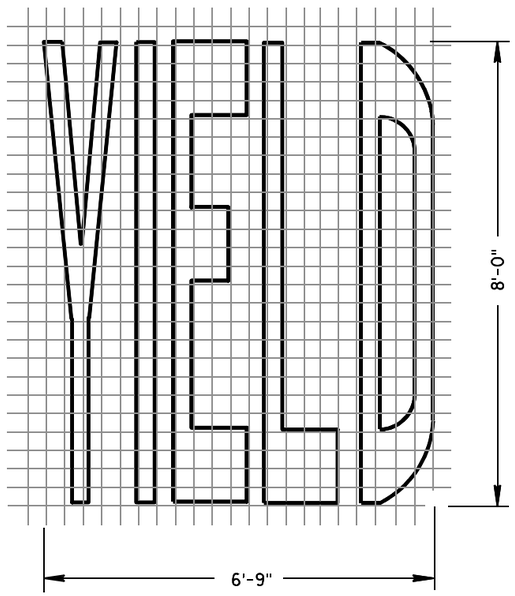


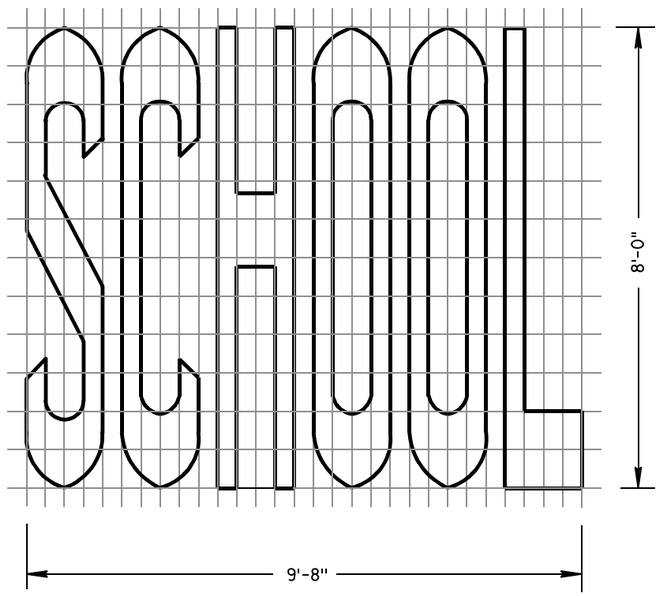


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-1-11 DATE

/S/ Thomas N. Nothohm
STATE TRAFFIC ENGINEER

FHWA

6

S.D.D. 15 C 7-12b

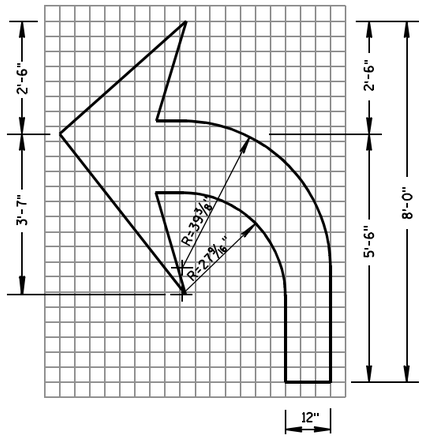
6

S.D.D. 15 C 7-12b

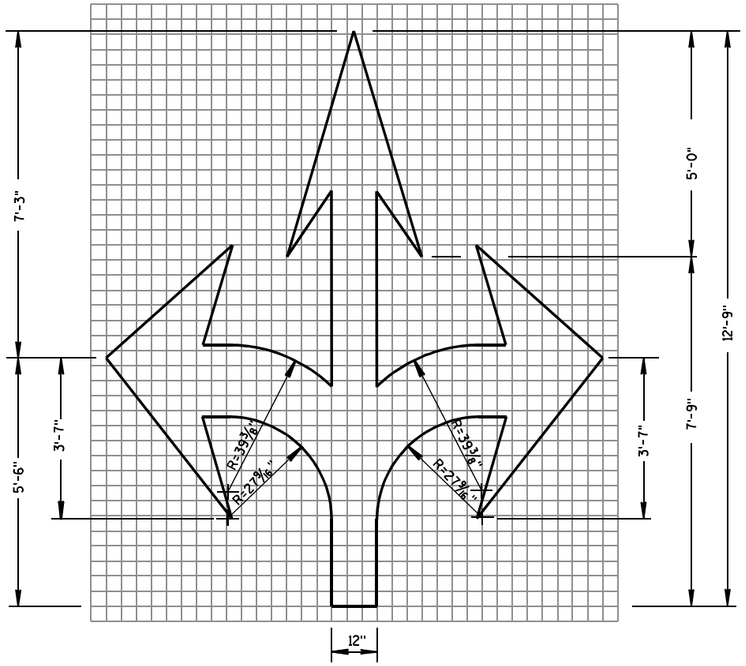
GENERAL NOTES

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

ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



TYPE 2



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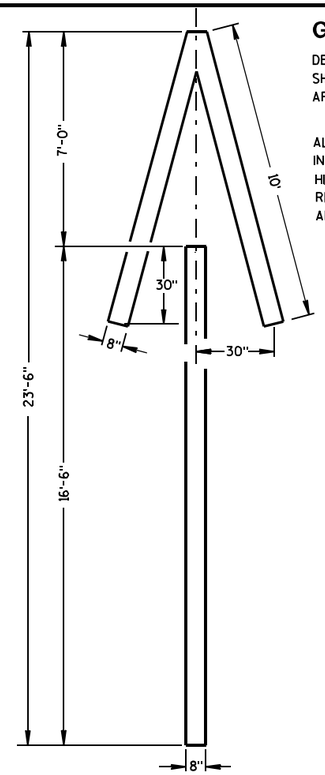

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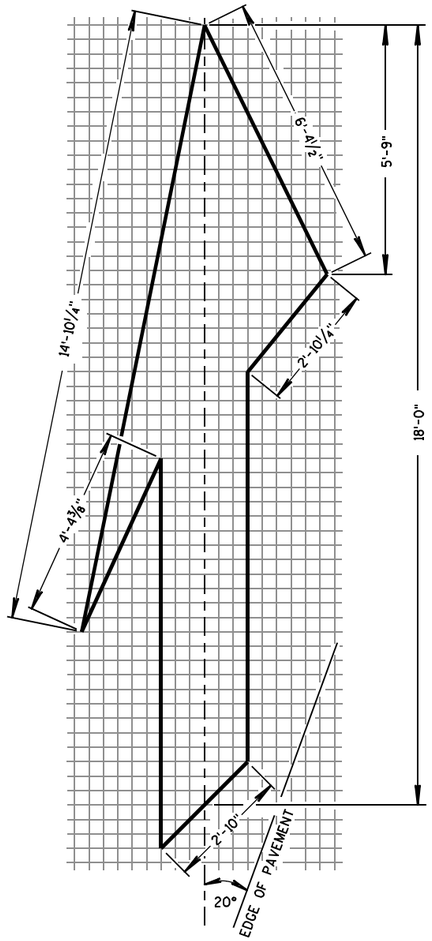
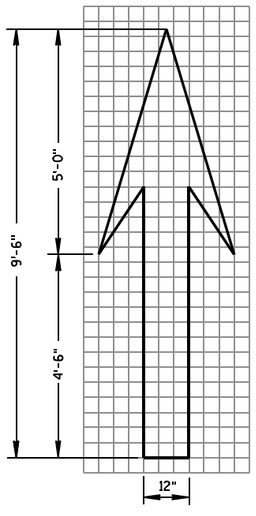
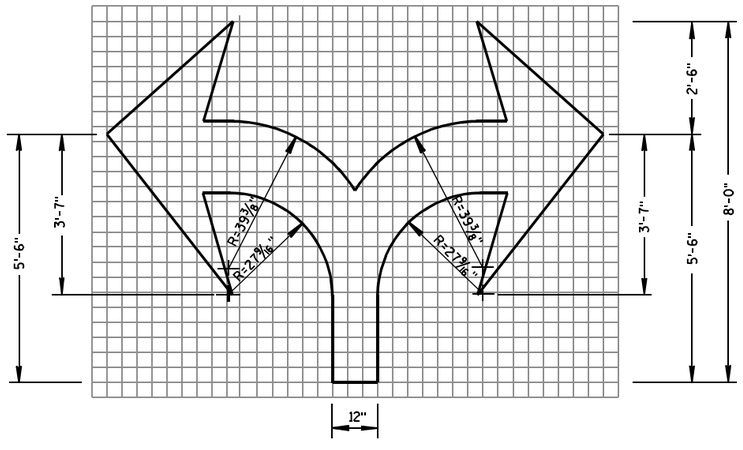


TYPE 5 LANE DROP ARROW



TYPE 1



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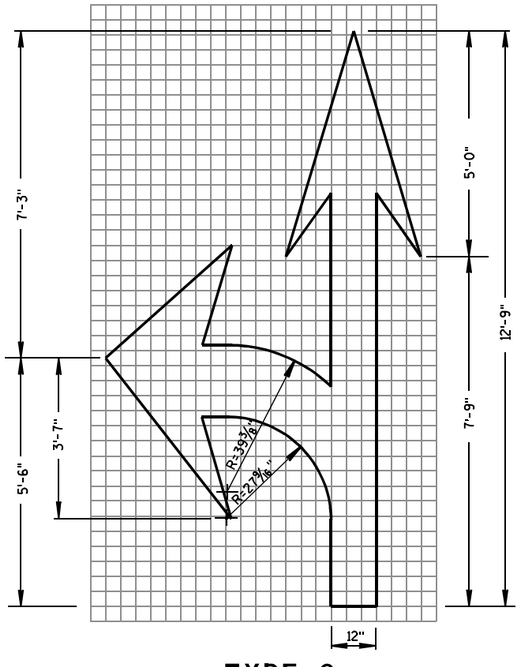

TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N. Nothdurft — STATE TRAFFIC ENGINEER

FHWA

6

S.D.D. 15 C 7-12c

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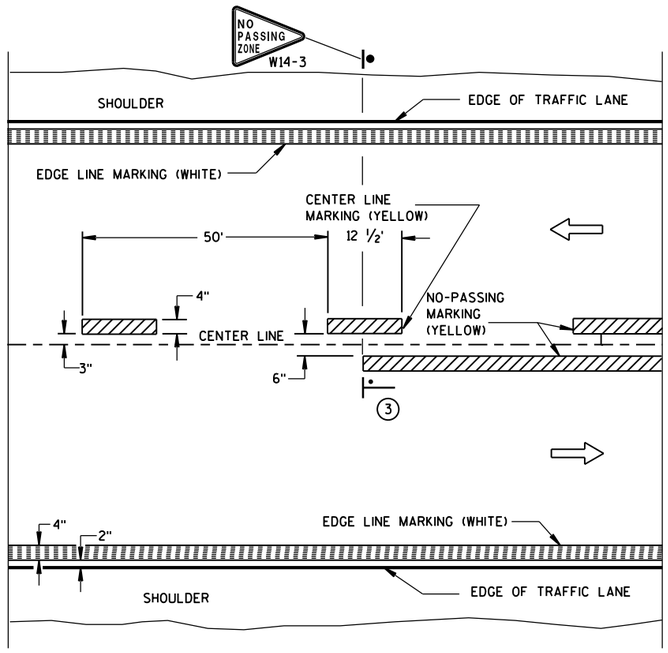
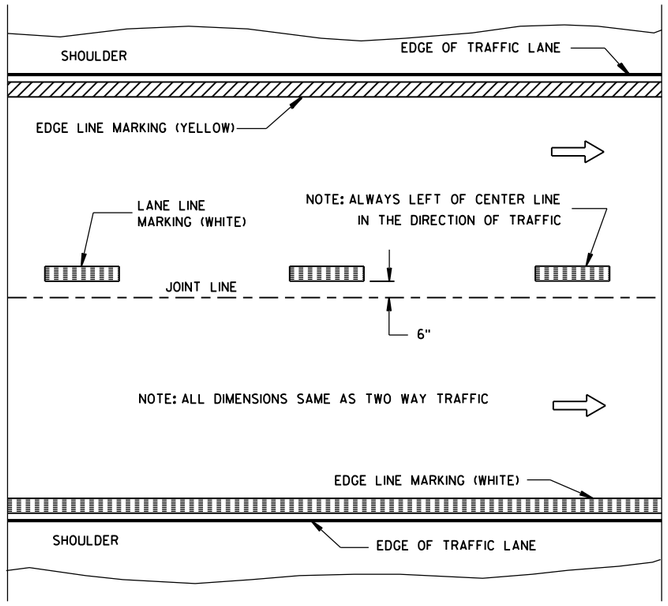
S.D.D. 15 C 7-12c

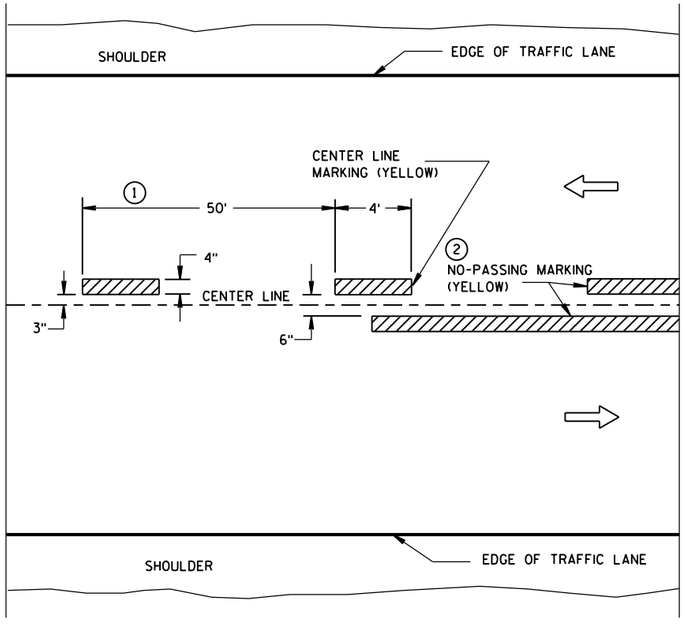


TWO WAY TRAFFIC

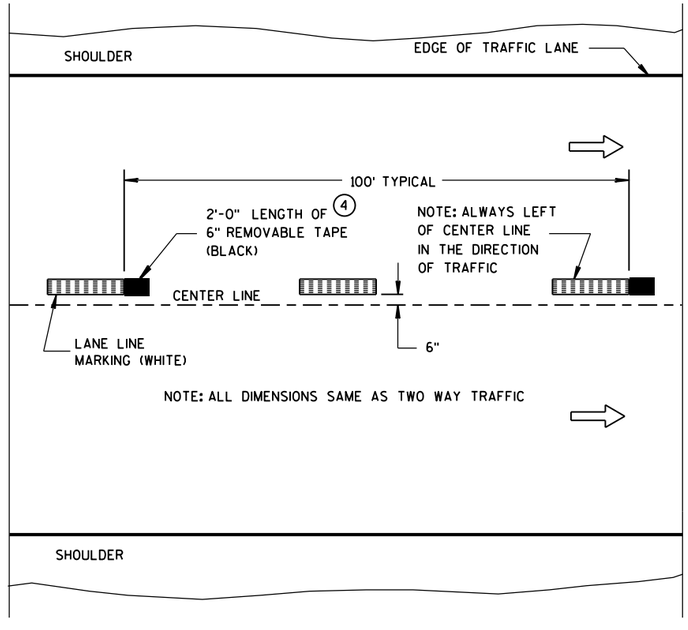


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

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

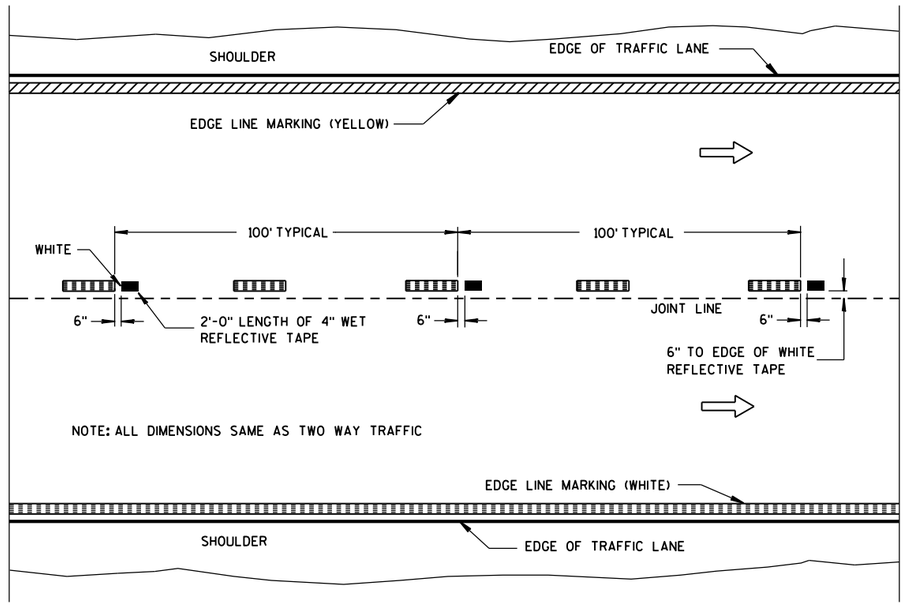
GENERAL NOTES

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 DATE

/S/ Travis Feltes STATE TRAFFIC E

FHWA

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S.D.D. 15 C 8-16a

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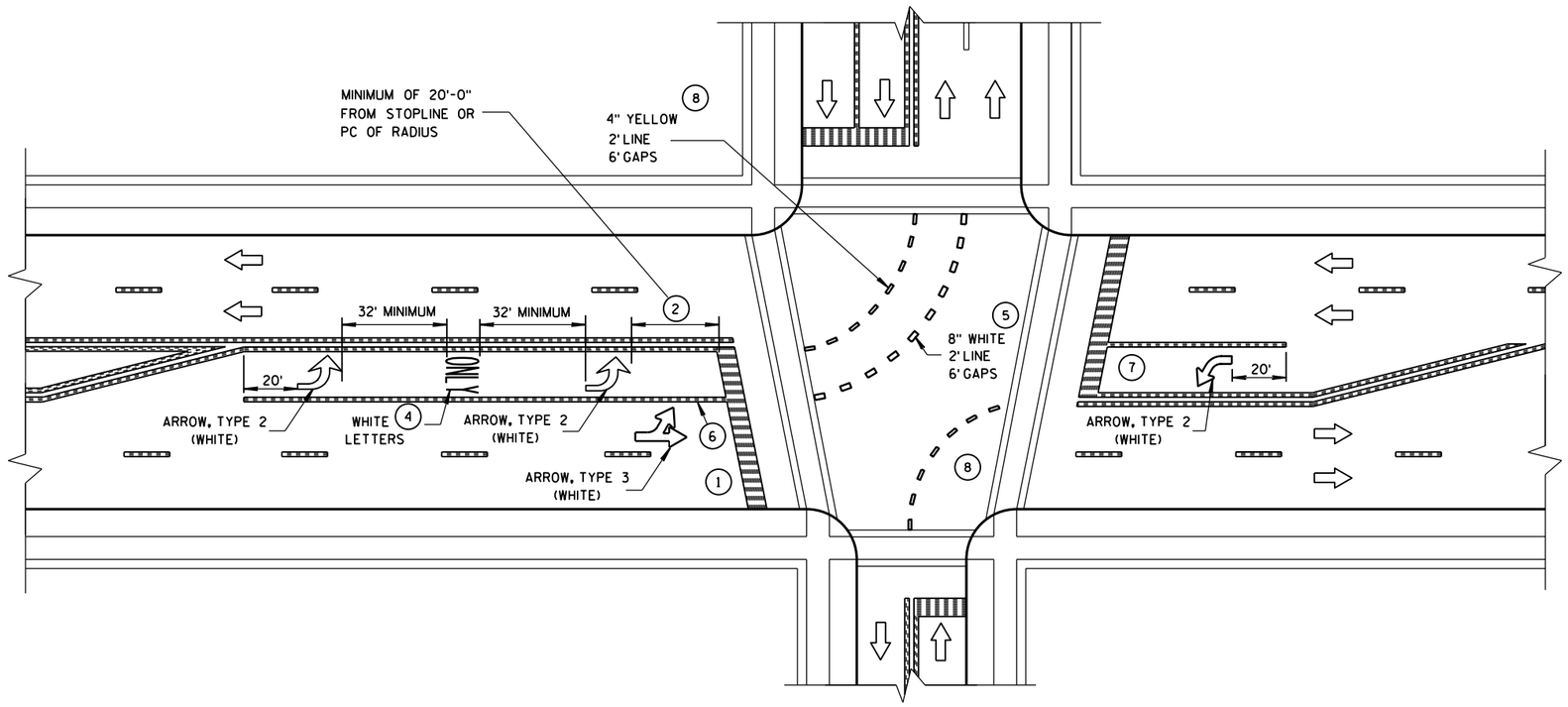
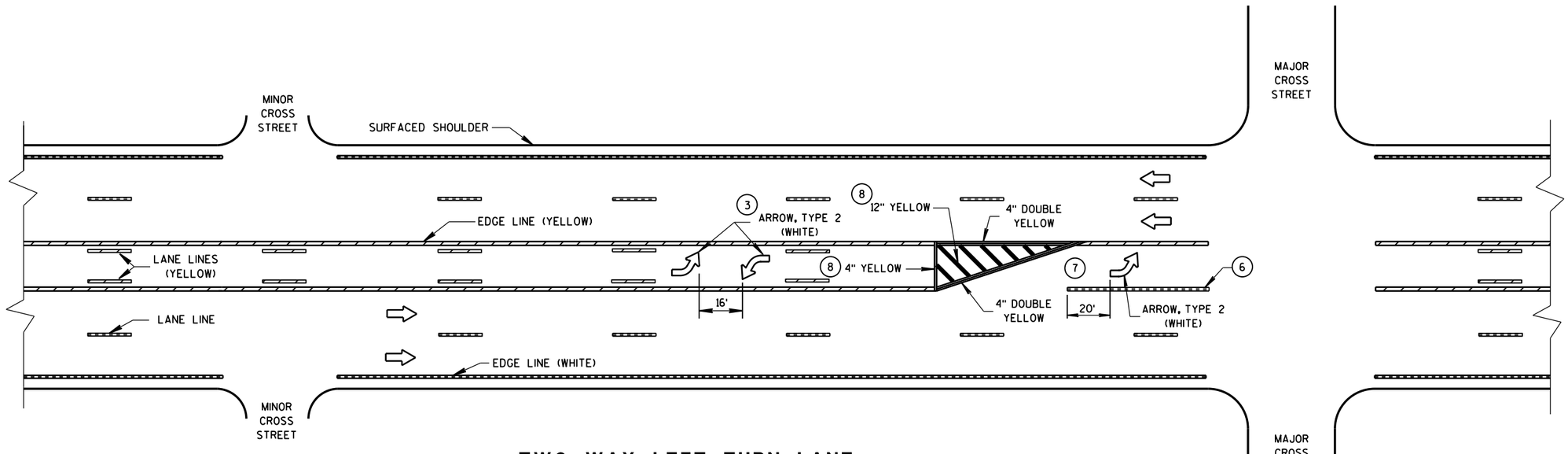
S.D.D. 15 C 8-16a



GENERAL NOTES

1. STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
3. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
4. ADD EXTRA SETS OF ONE ARROW AND ONE ONLY PER 160 FEET OR WHEN ON A CURVE.
5. 8" WHITE WITH 2' LINE 6' GAPS FOR DUAL TURN LANE.
6. 8" WHITE
7. ADD SECOND ARROW WHEN TURN BAY IS GREATER THAN OR EQUAL TO 108 FEET.
8. REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TWO WAY LEFT TURN LANE

PAVEMENT MARKING (LEFT TURN LANE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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S.D.D. 15 C 8-16e

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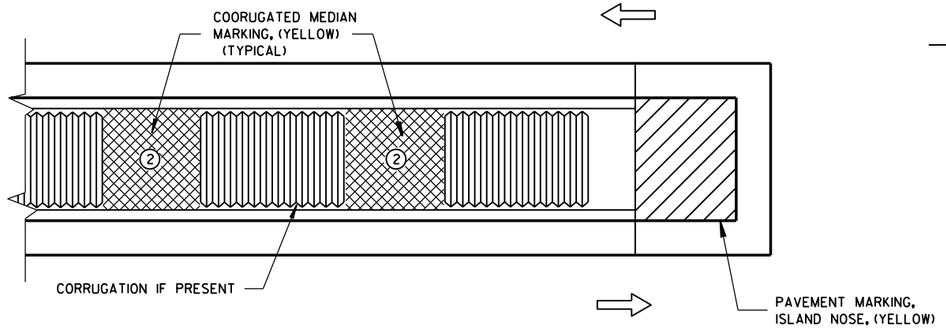
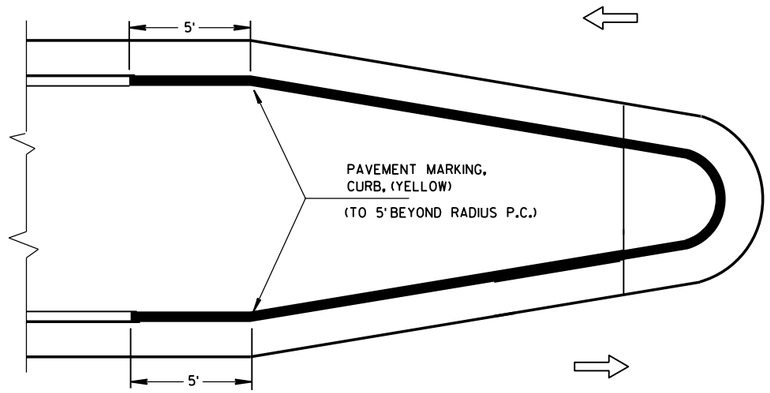
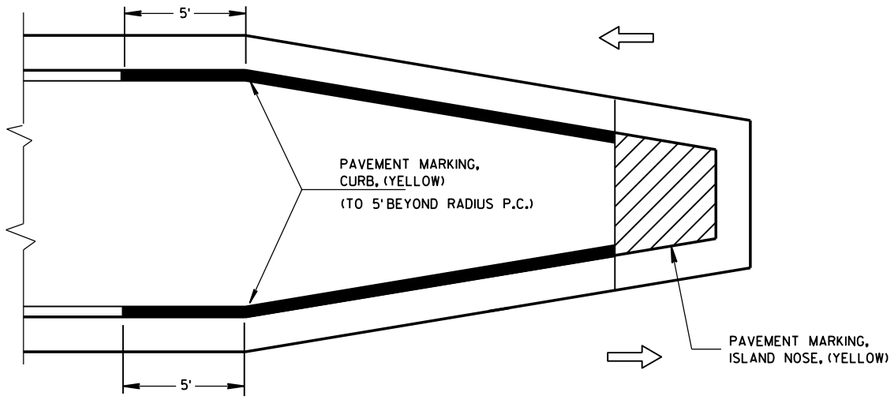
S.D.D. 15 C 8-16e



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

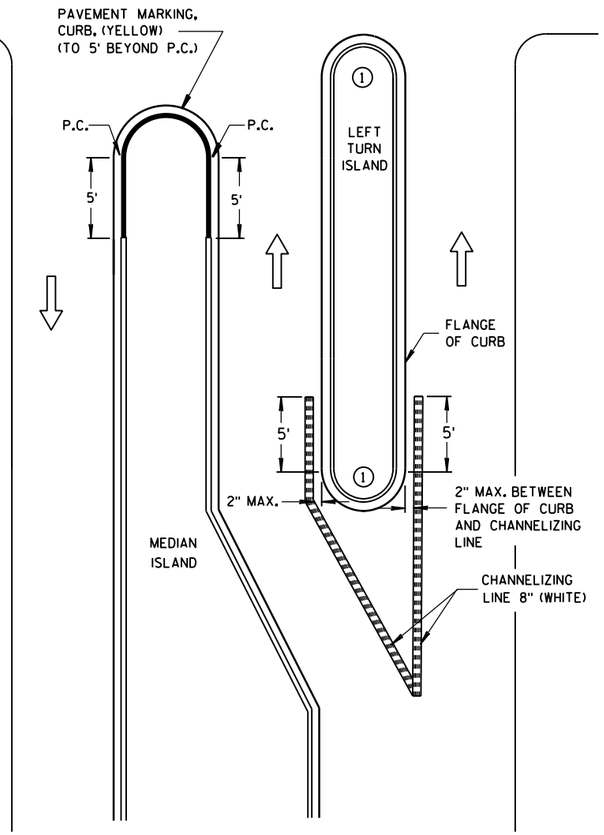


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

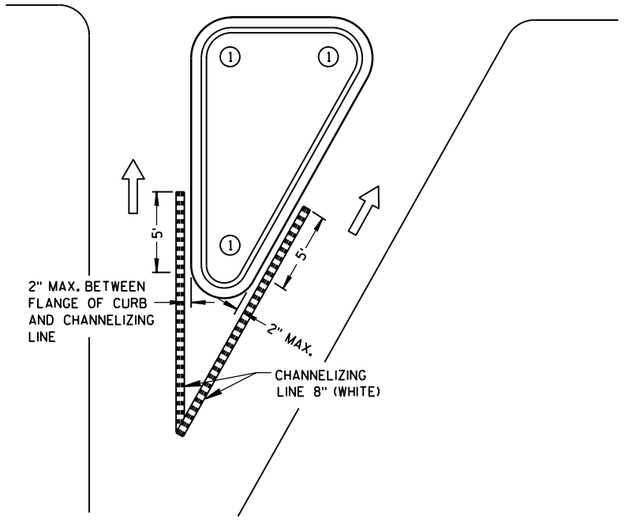


LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.

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



RIGHT TURN ISLAND

LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 C 8-16f

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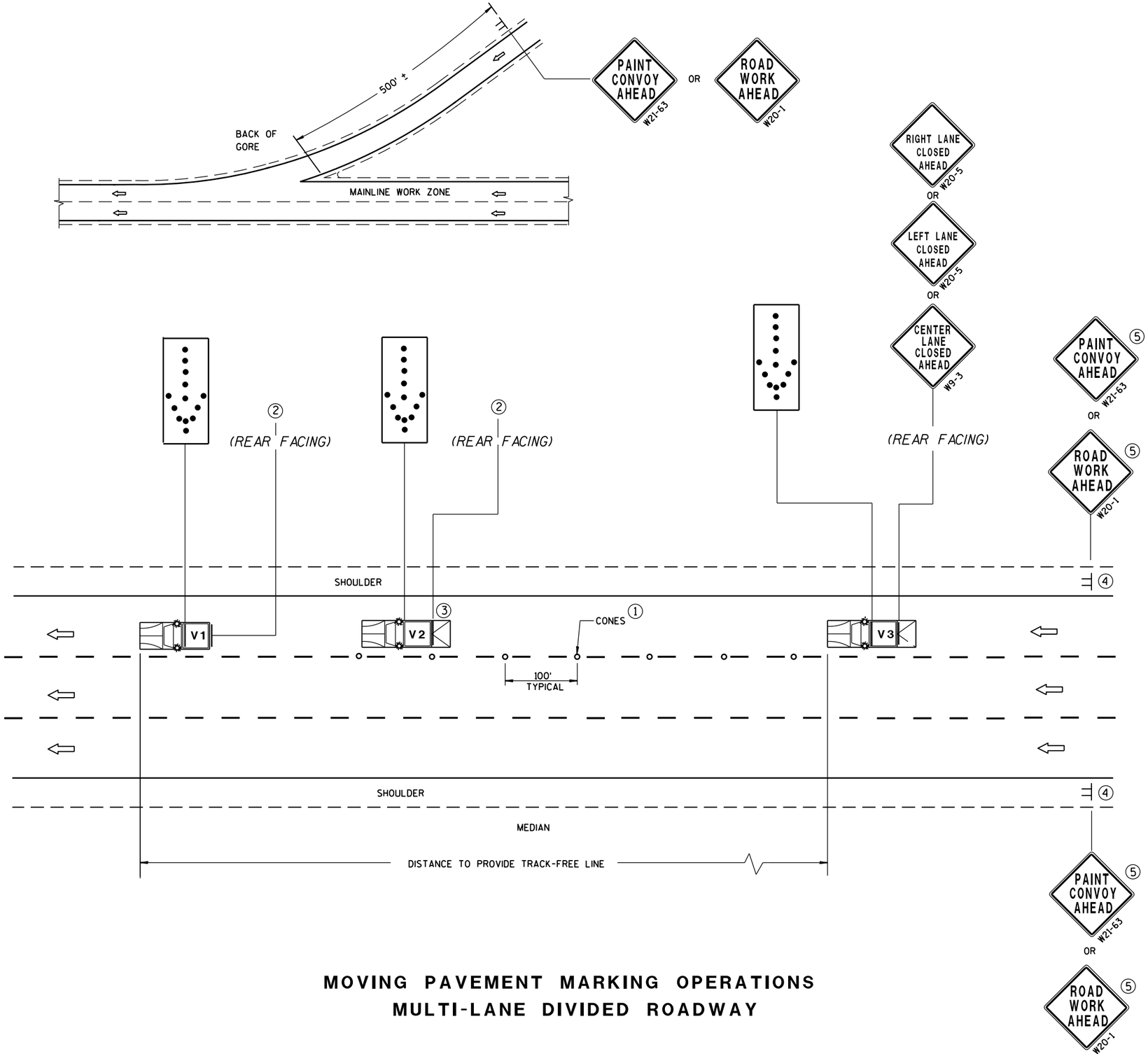


MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE DIVIDED ROADWAY

GENERAL NOTES

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

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

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

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

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

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

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

FOR EDGELINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH. USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

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

THIS DRAWING SHALL BE USED FOR EDGELINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

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

② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.

④ SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.

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

LEGEND

V1	LEAD VEHICLE
V2	SHADOW VEHICLE
V3	TRAIL VEHICLE WITH TMA
TMA	TRUCK-MOUNTED ATTENUATOR
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	CONES
	FLASHING ARROW PANEL (MERGE)

MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/3/2013 DATE

/S/ Travis Feltes STATE TRAFFIC EN

FHWA

6

S.D.D. 15 C 19-2c

6

S.D.D. 15 C 19-2c

GENERAL NOTES

ORIENT ANCHOR BOLTS IN FOOTING AND PROVIDE ANCHOR BOLT STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER FABRICATION DRAWING.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR BOLTS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

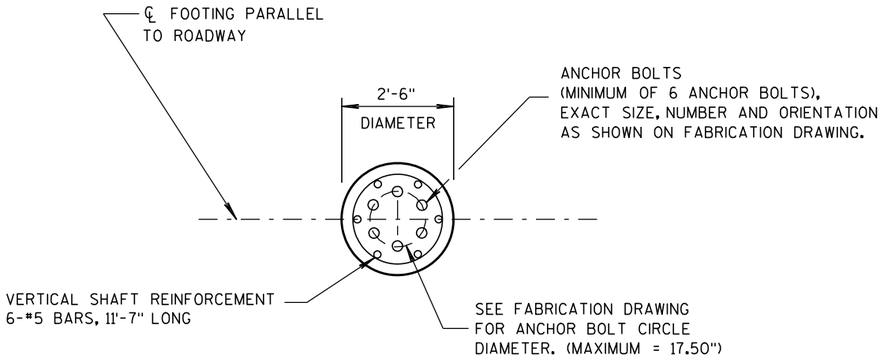
IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

THE REINFORCEMENT AND ANCHOR BOLTS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ANY DAMAGE TO THE CONCRETE BASE DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

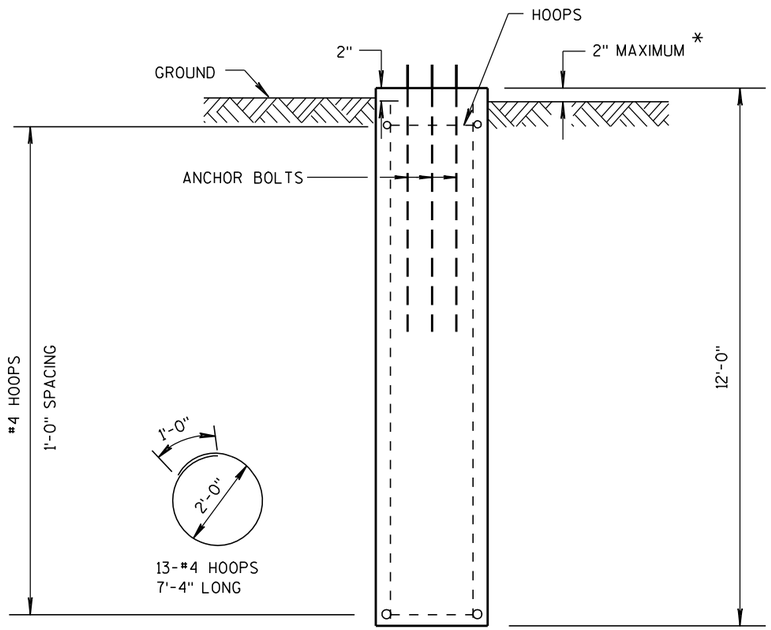
CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR BOLTS	AASHTO M314 GRADE 55

THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).



PLAN VIEW

* FOR OVERHEAD SIGN SUPPORTS THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE BASE SHALL BE POURED FLUSH WITH THE GROUND.



ELEVATION VIEW

CONCRETE - 2.2 C.Y. PER FOOTING
H.S. REINFORCEMENT - 136 LBS. PER FOOTING

30" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/17/2009 DATE
/S/ Thomas N. N[illegible] STATE TRAFFIC ENGINEER
SIGN
FHWA

6

S.D.D. 15 C 23-2

6

S.D.D. 15 C 23-2

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- POST WITH ATTACHED SIGN IN DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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

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

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. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

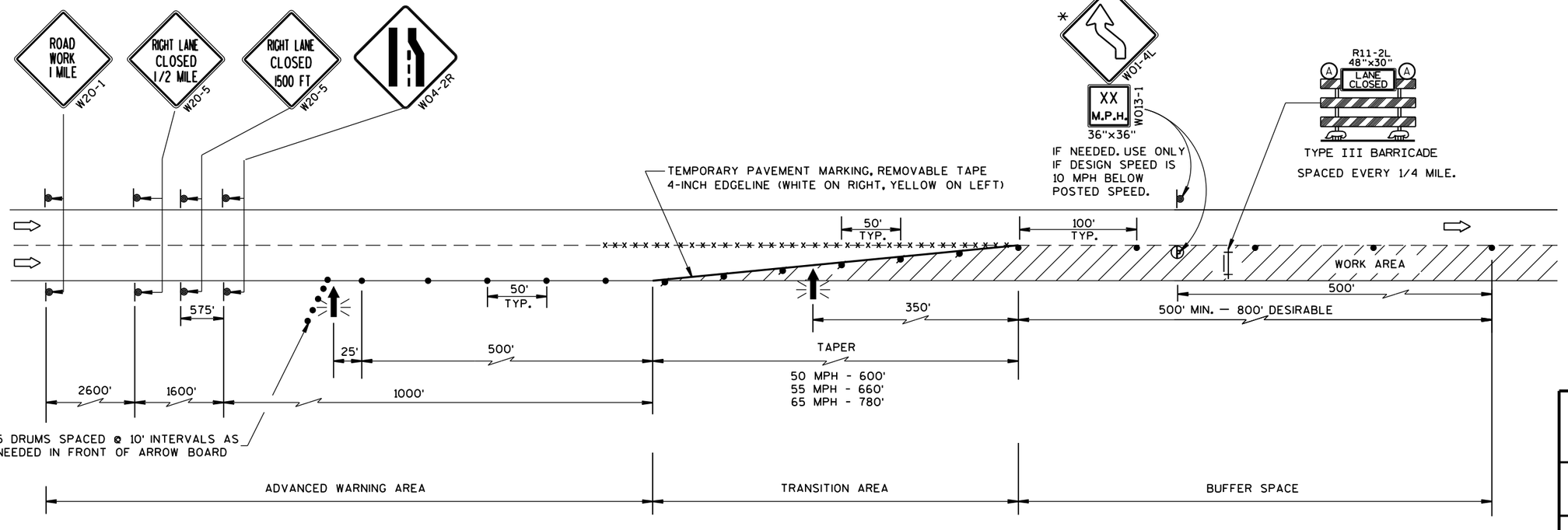
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* THE LEFT REVERSE CURVE SIGN (W01-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.

LOCATED 500 FEET IN ADVANCE OF R2-1 SIGN AND 500 FEET BEYOND THE "ROAD WORK 1 MILE" SIGN.

R2-1
48"×60"
(BLACK AND WHITE)

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES.



TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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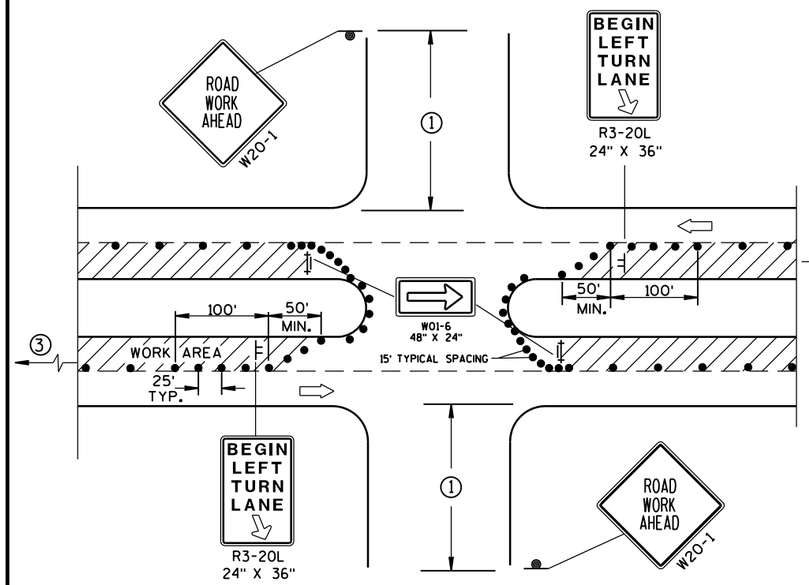
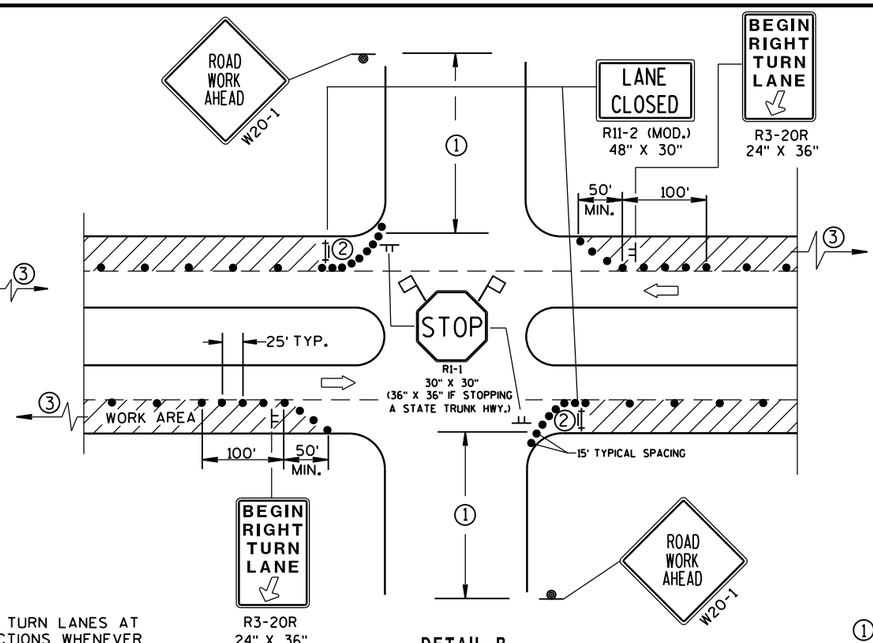
S.D.D. 15 D 12-3



DETAIL A

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



DETAIL B

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

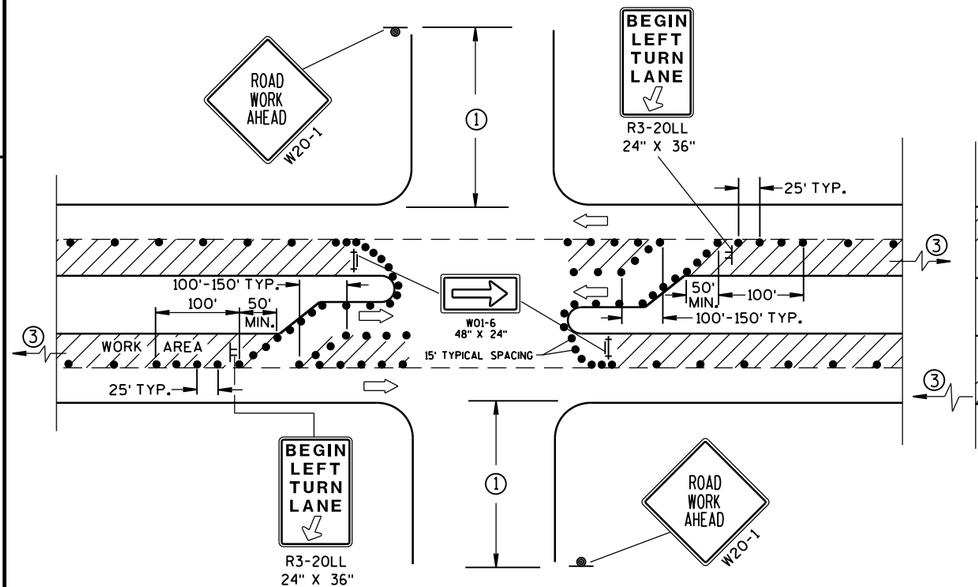
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE 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.

① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35-40 MPH.
200' IF 25-30 MPH.

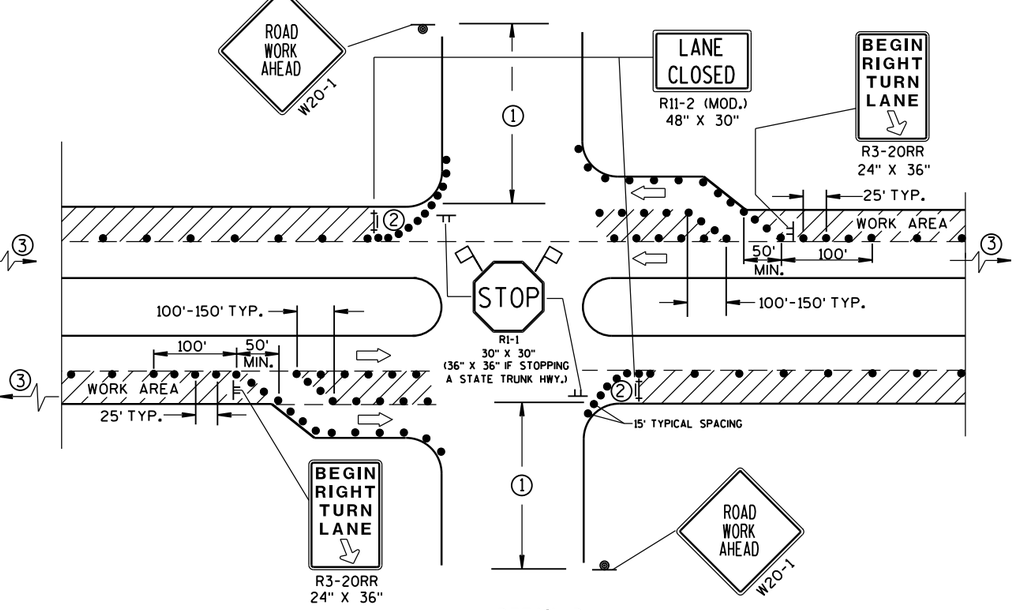
② ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.

③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.



DETAIL C

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)



DETAIL D

FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
- TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., (ORANGE)
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER

DESIGN

FHWA

6

S.D.D. 15 D 21-2

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

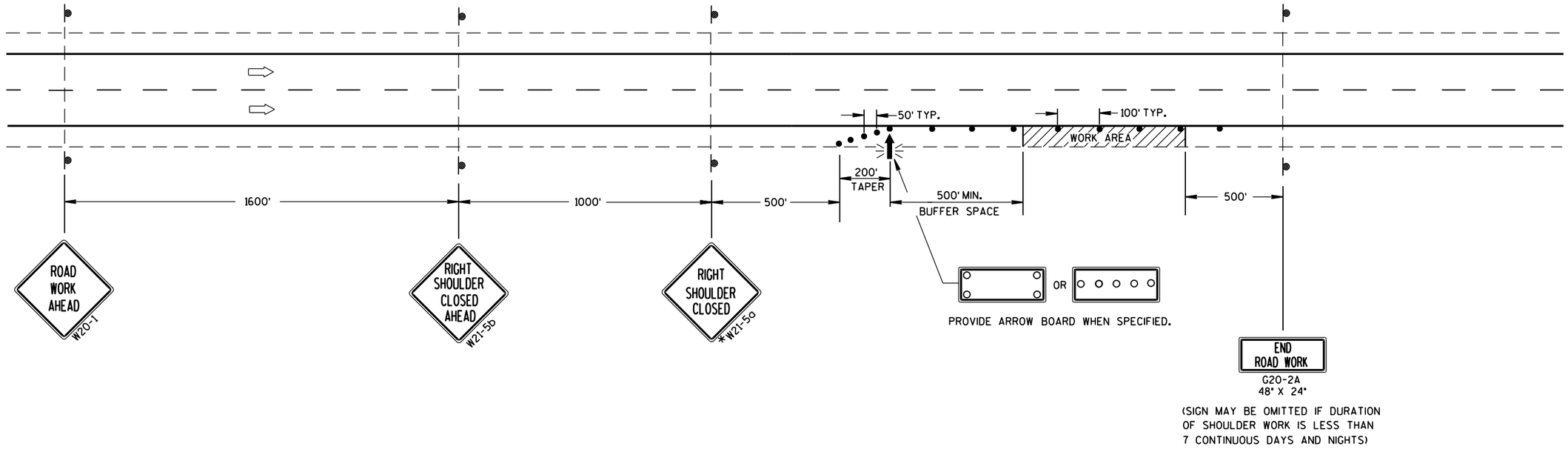
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A 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.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER

FHWA

6

S.D.D. 15 D 27-2

6

S.D.D. 15 D 27-2

GENERAL NOTES

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

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

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

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.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

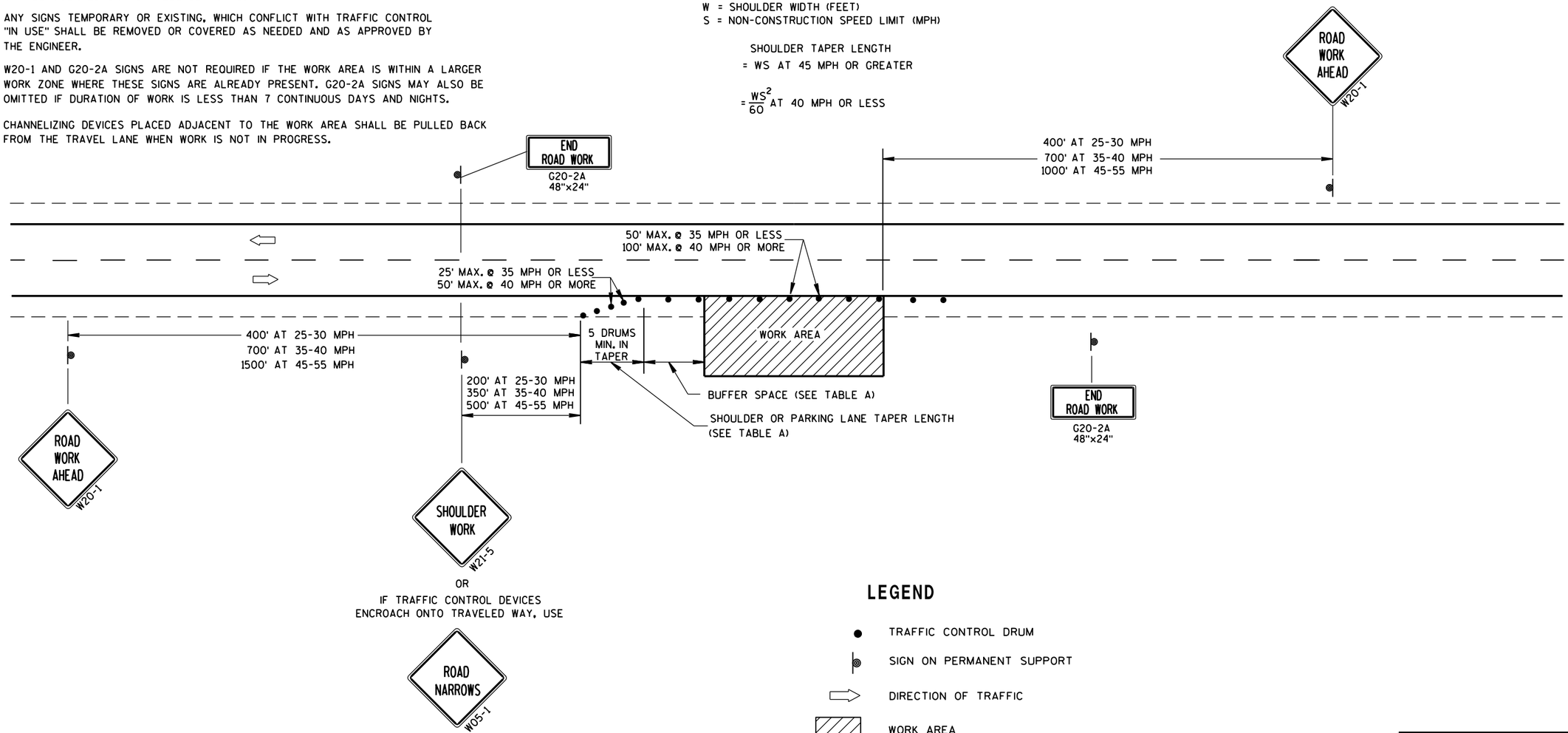
TABLE A

S \ W	SHOULDER TAPER LENGTH (FEET) 4	6	8	10	BUFFER SPACE (FEET)
30	20	30	40	50	85
35	30	45	55	70	120
40	40	55	75	90	170
45	60	90	120	150	220
50	70	100	135	170	280
55	75	110	150	185	335

W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

SHOULDER TAPER LENGTH
= WS AT 45 MPH OR GREATER

$= \frac{WS^2}{60}$ AT 40 MPH OR LESS



LEGEND

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

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

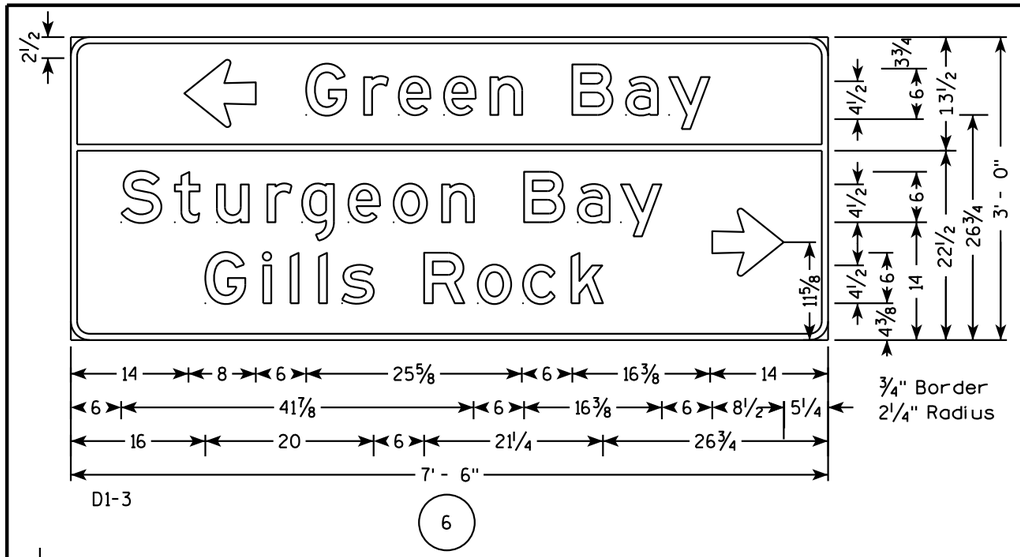
FHWA

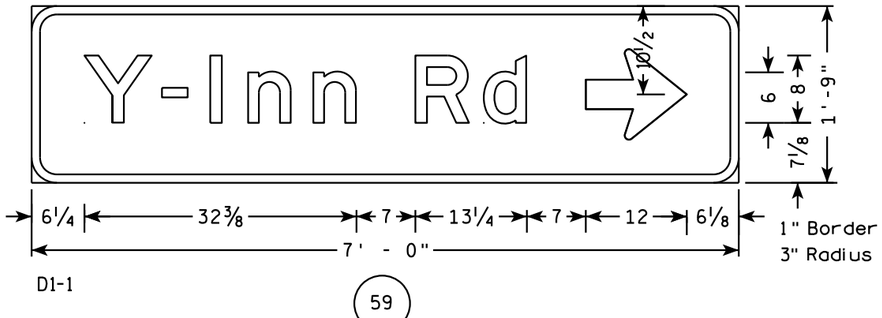
6

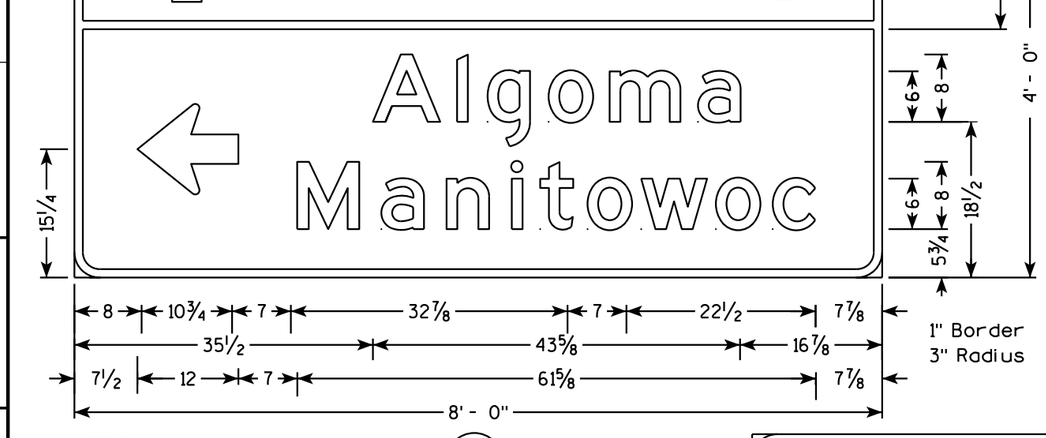
S.D.D. 15 D 28-2

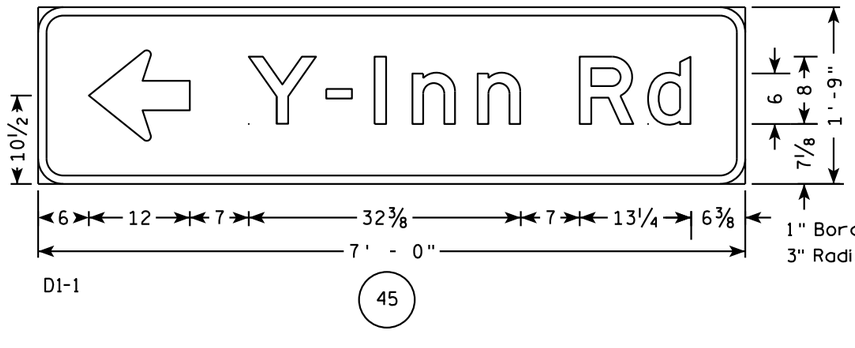
NOTES

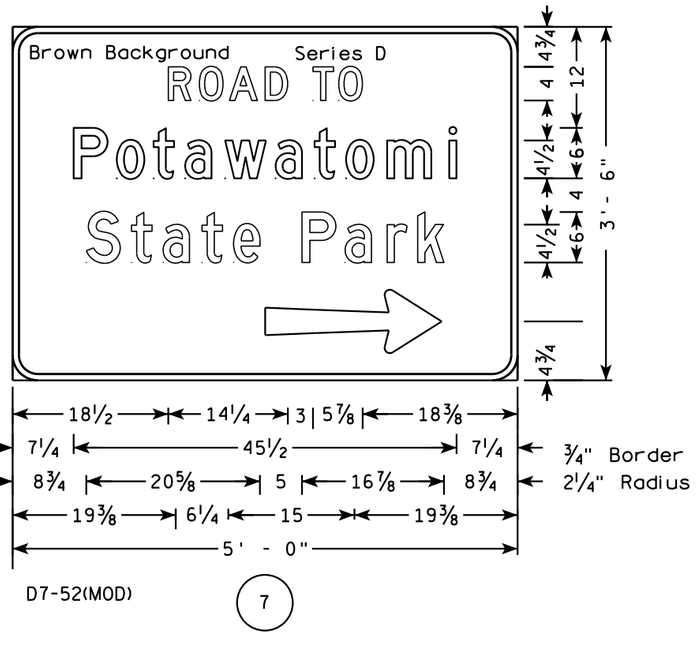
1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - GREEN except as Shown
   Message - WHITE
3. Message Series - E except as Shown





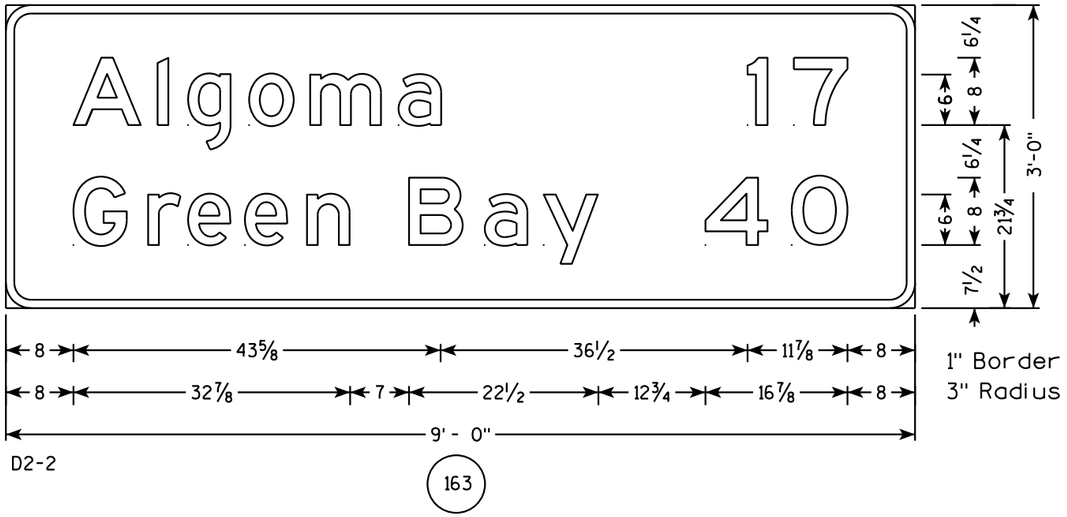


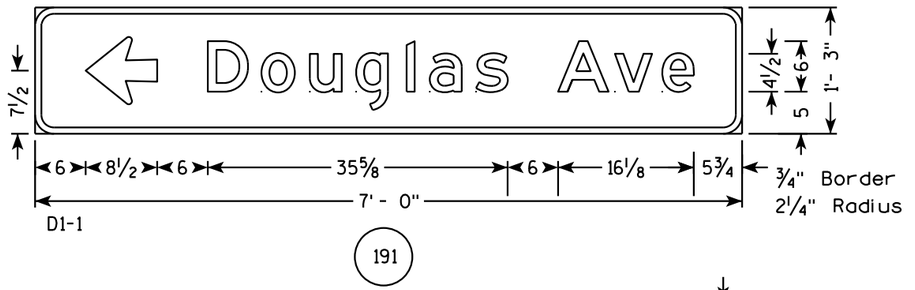


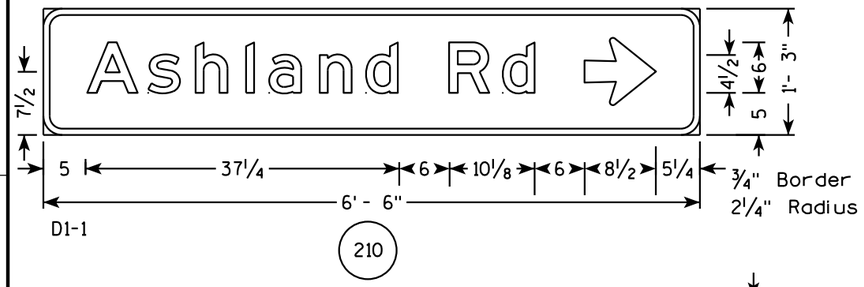


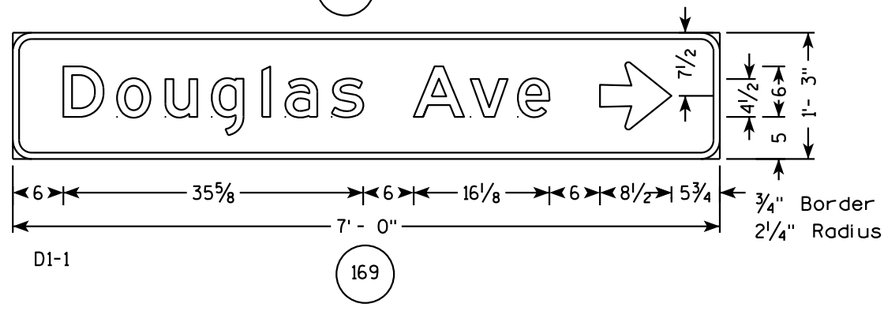
NOTES

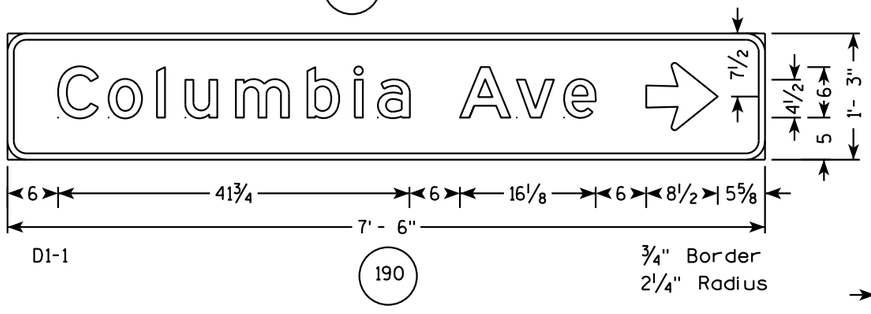
1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - E

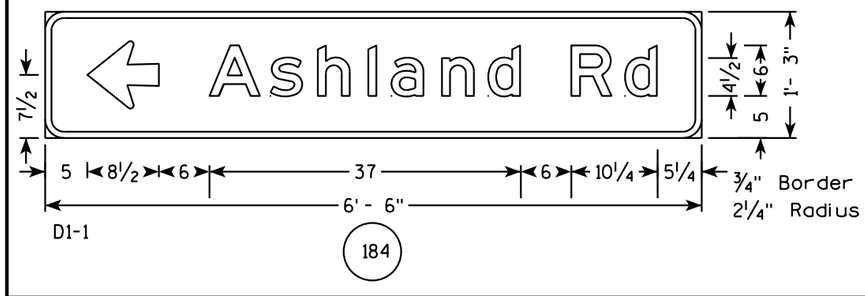








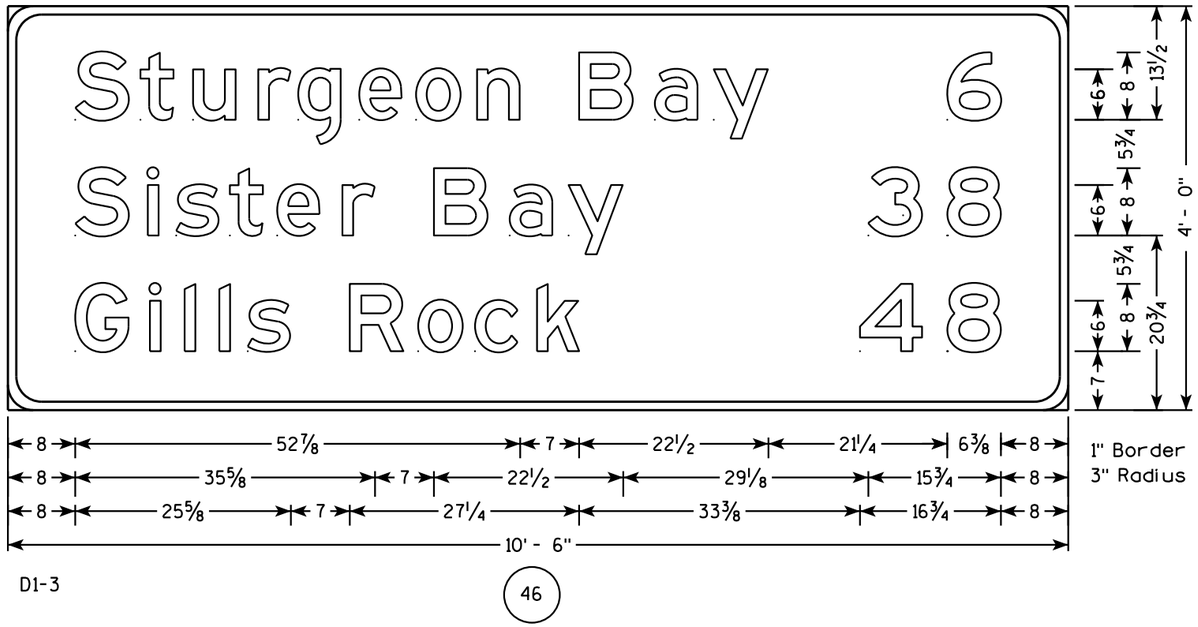




7

7

PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET NO: 125	E

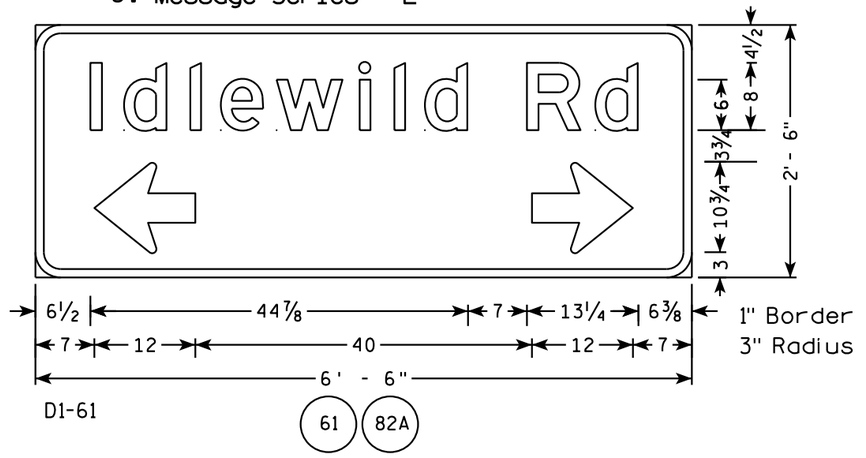


D1-3

46

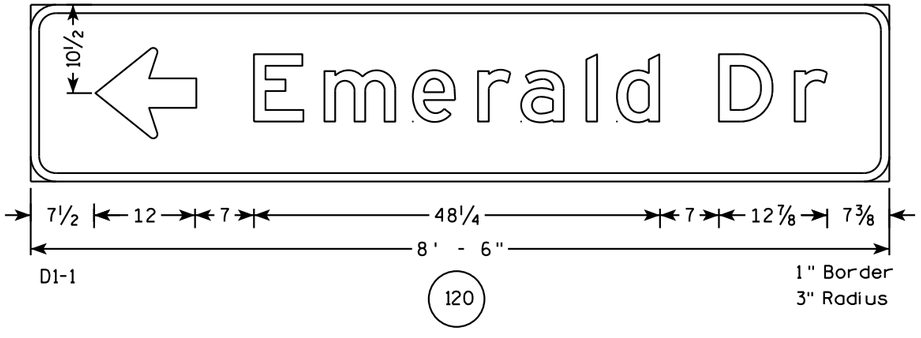
NOTES

1. All Sign Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - E



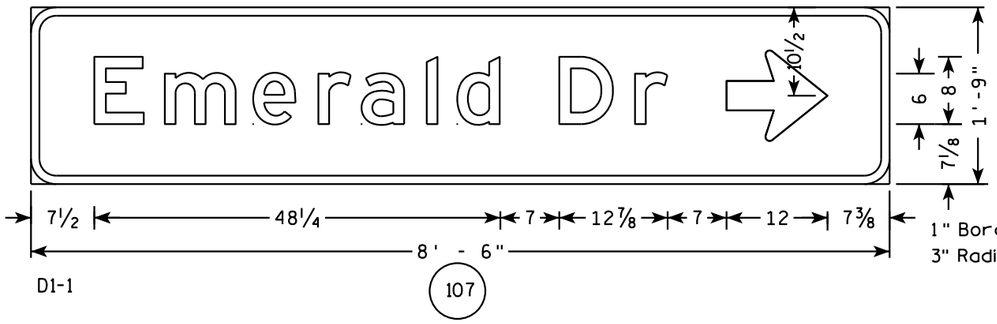
D1-61

61 82A



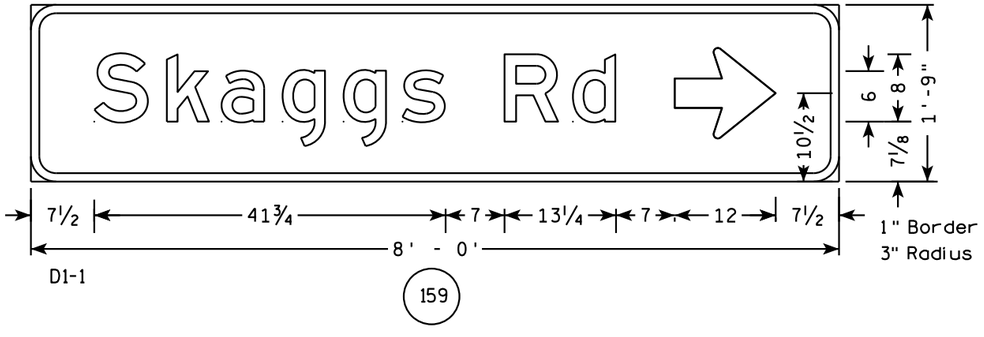
D1-1

120



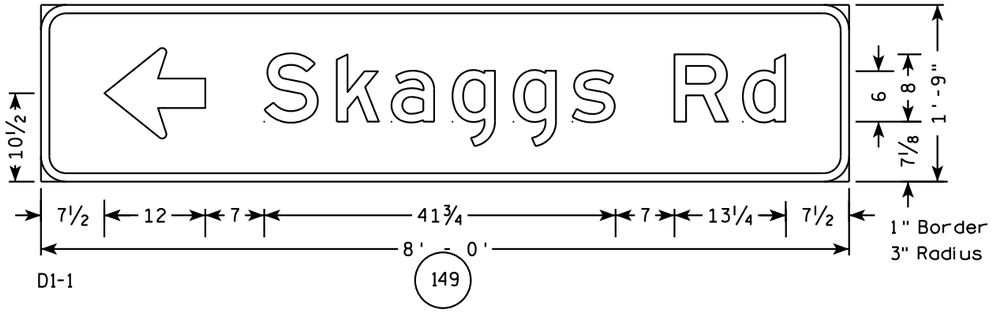
D1-1

107



D1-1

159



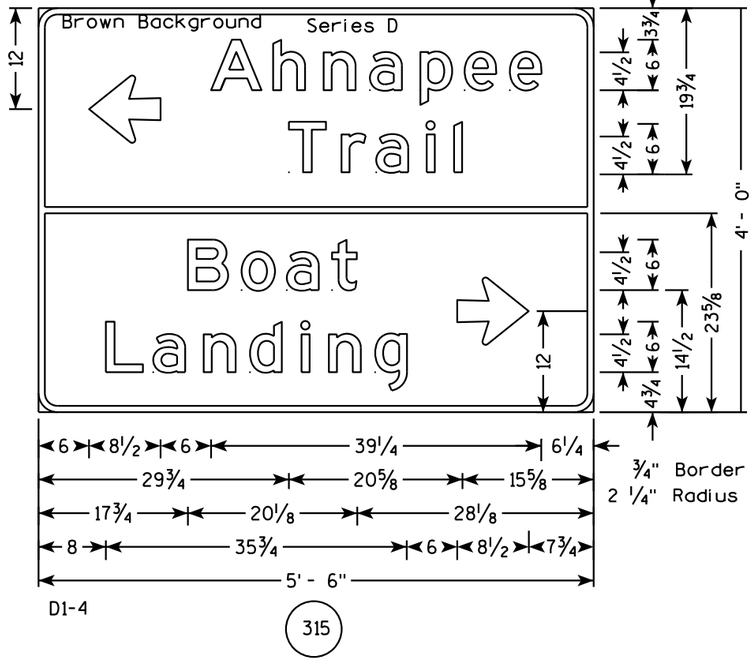
D1-1

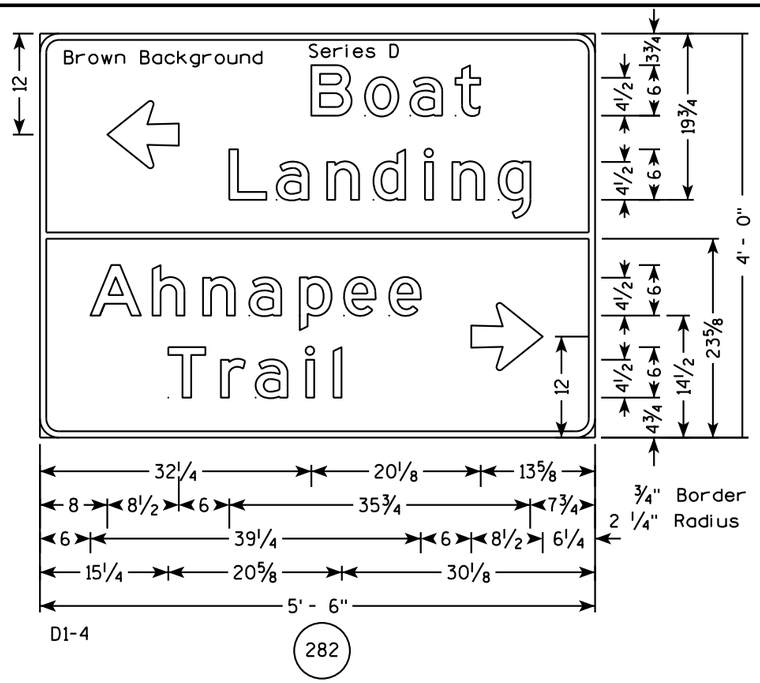
149

7

7

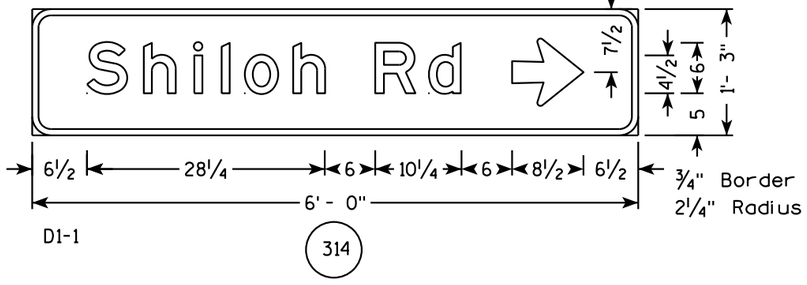
PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET NO: 126	E

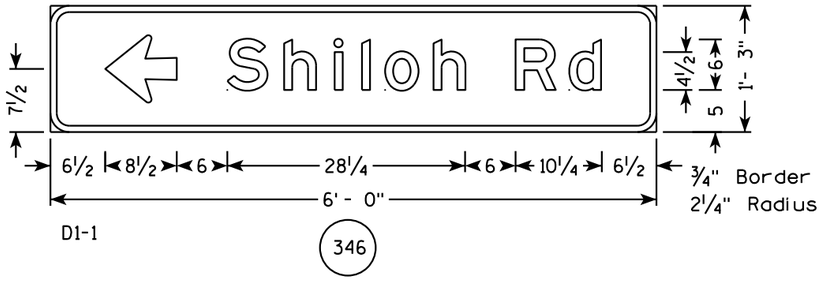


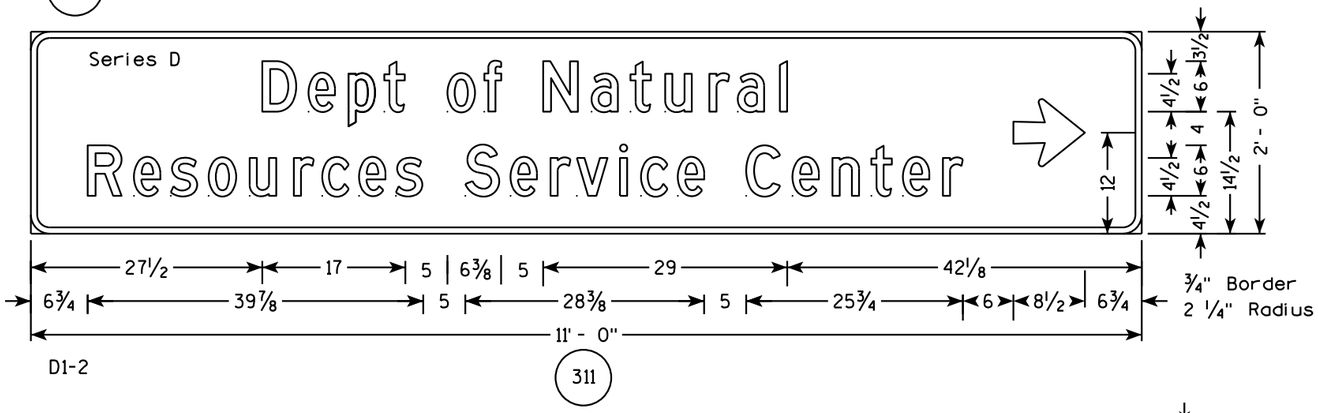


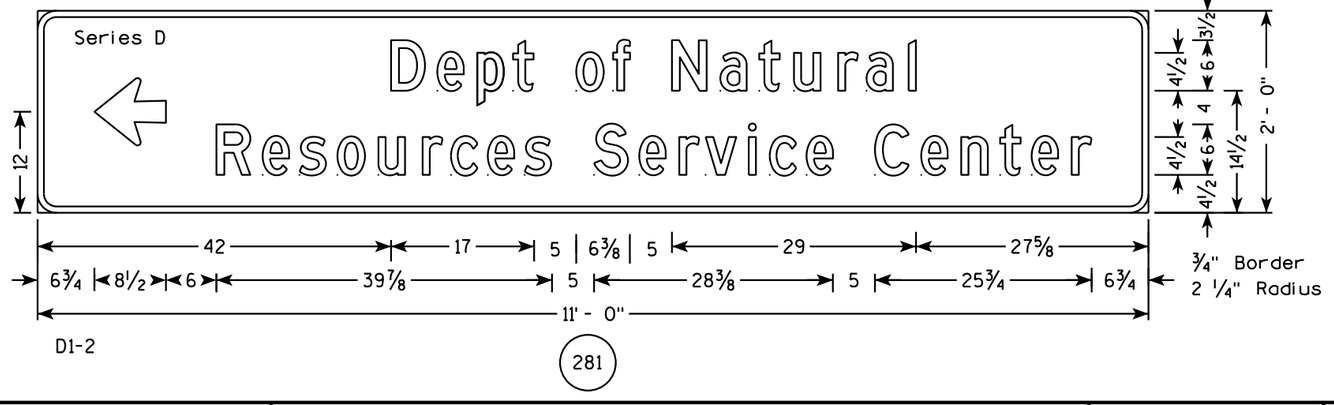
NOTES

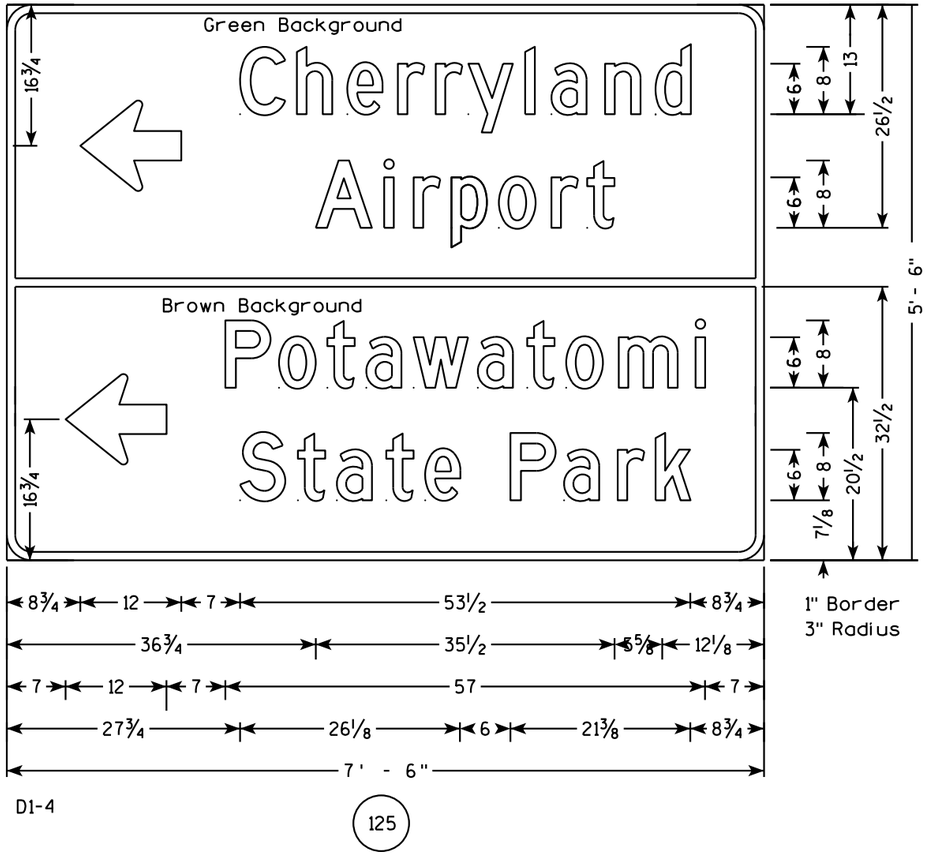
1. All Sign Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - GREEN except as Shown
   Message - WHITE
3. Message Series - E except as Shown









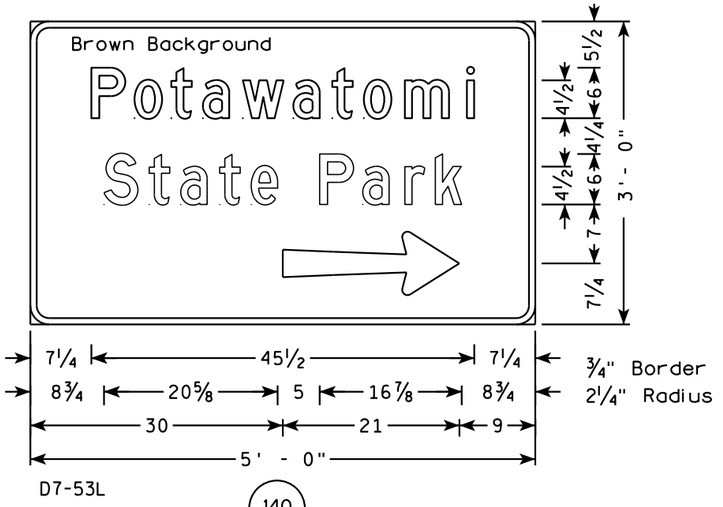


D1-4

125

NOTES

1. All Sign Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - GREEN except as Shown
   Message - WHITE
3. Message Series - D except as Shown

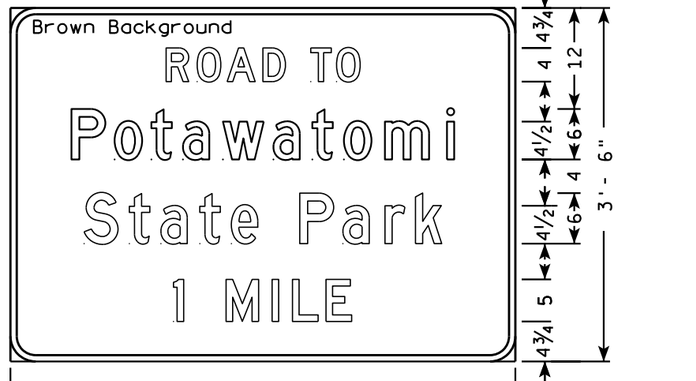


D7-53L

140

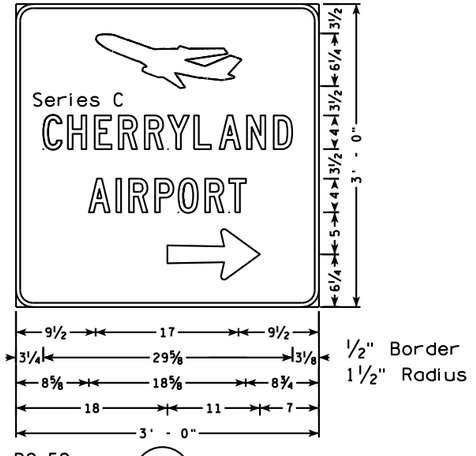
I2-3

165



D7-52

168



D9-52

144

PROJECT NO: 4140-20-72	HWY: STH 42/57	COUNTY: DOOR	PERMANENT SIGNING	SHEET NO: 128	E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4140-20-72 STH 42_57 Door Co\070105_sd.DGN PLOT DATE : 25-SEP-2013 15:28 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 18:1

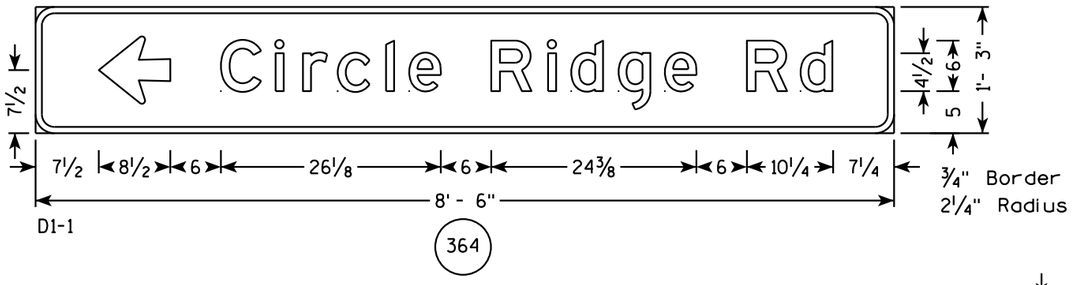
WISDOT/CADDS SHEET 42

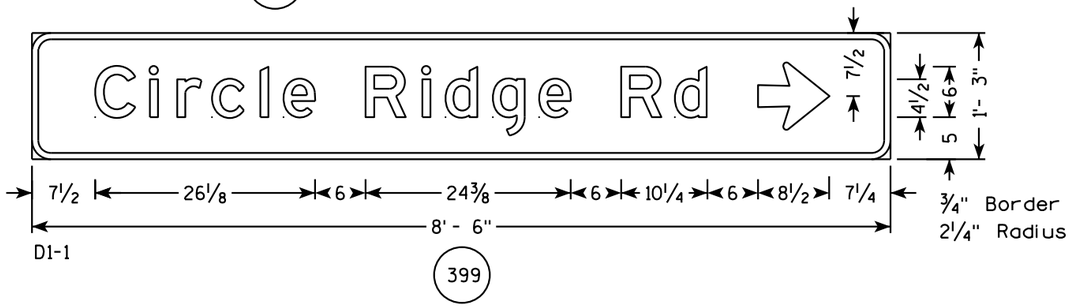
7

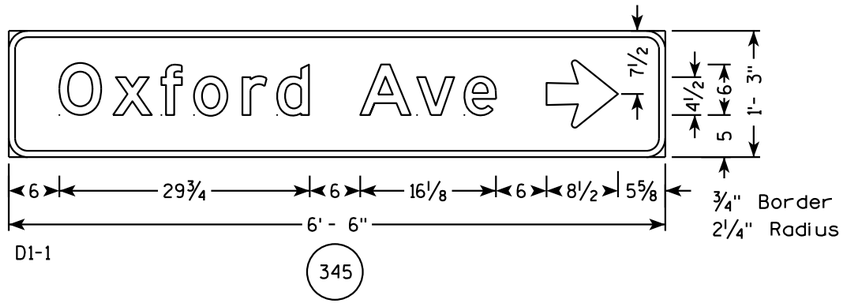
7

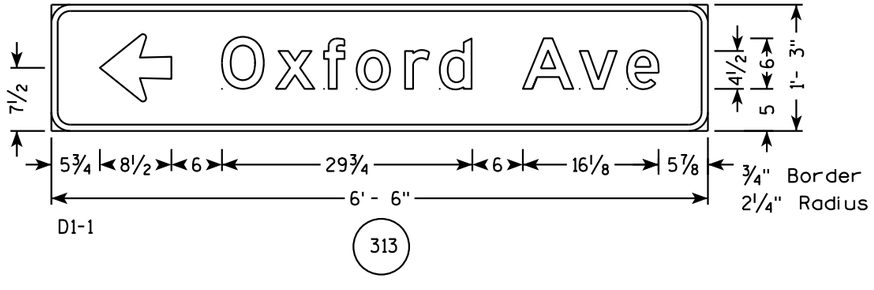
NOTES

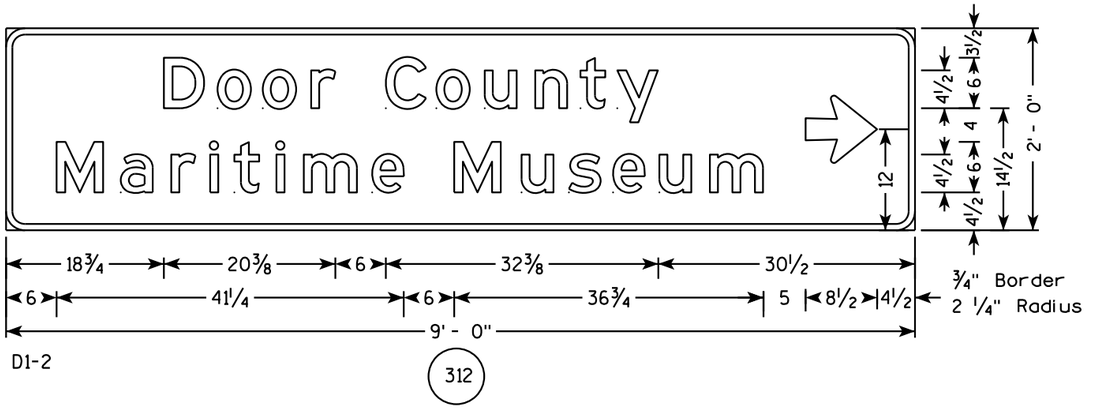
1. All Sign Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - E

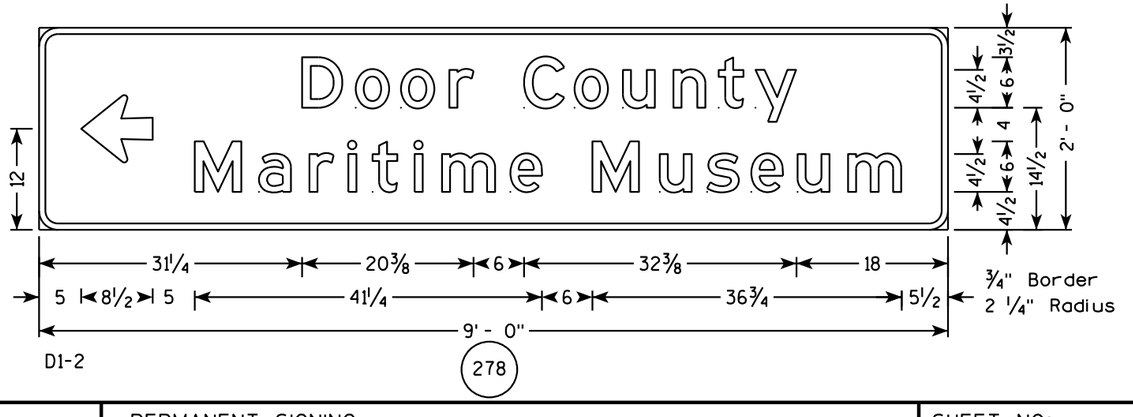










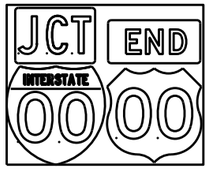


7

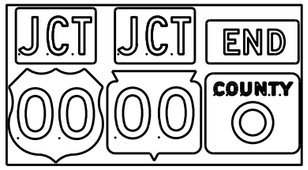
7

TYPICAL ASSEMBLIES

J1-1

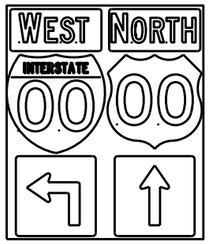


J1-2

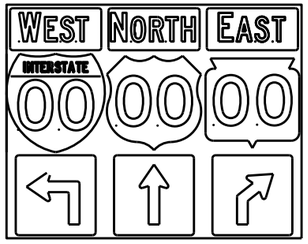


J1-3

J2-1



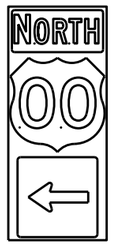
J2-2



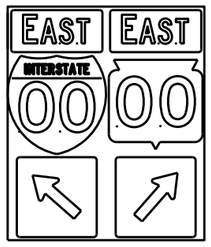
J2-3

JV

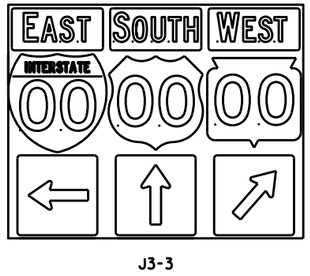
(Typical Vertical J-Assembly
See Note 10 and 11)



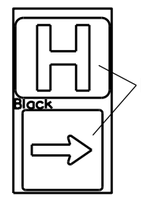
J3-1



J3-2

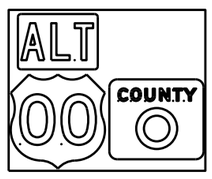


J3-3

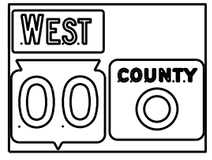


JH-1

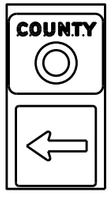
J4-1



J4-2



J4-2



J13-1

J12-1

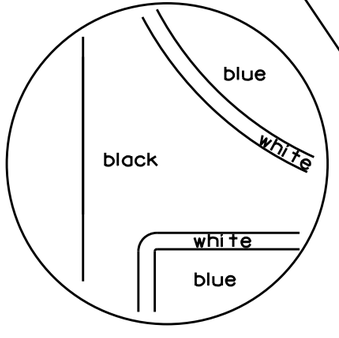
J32-1

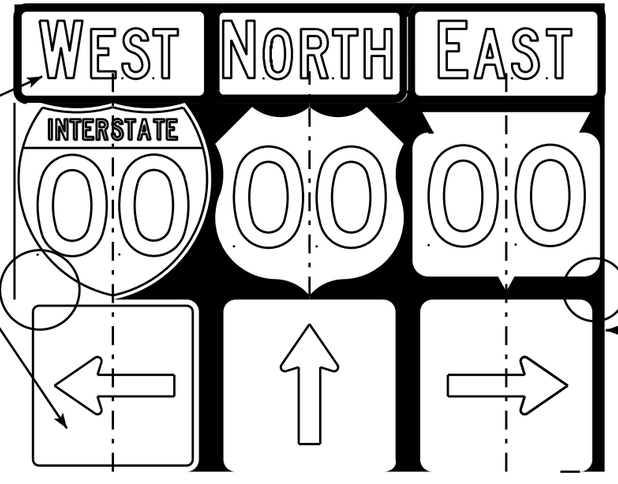
J33-1

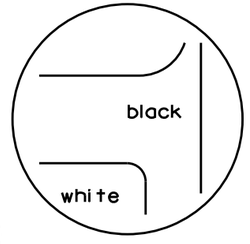
J23-1

J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

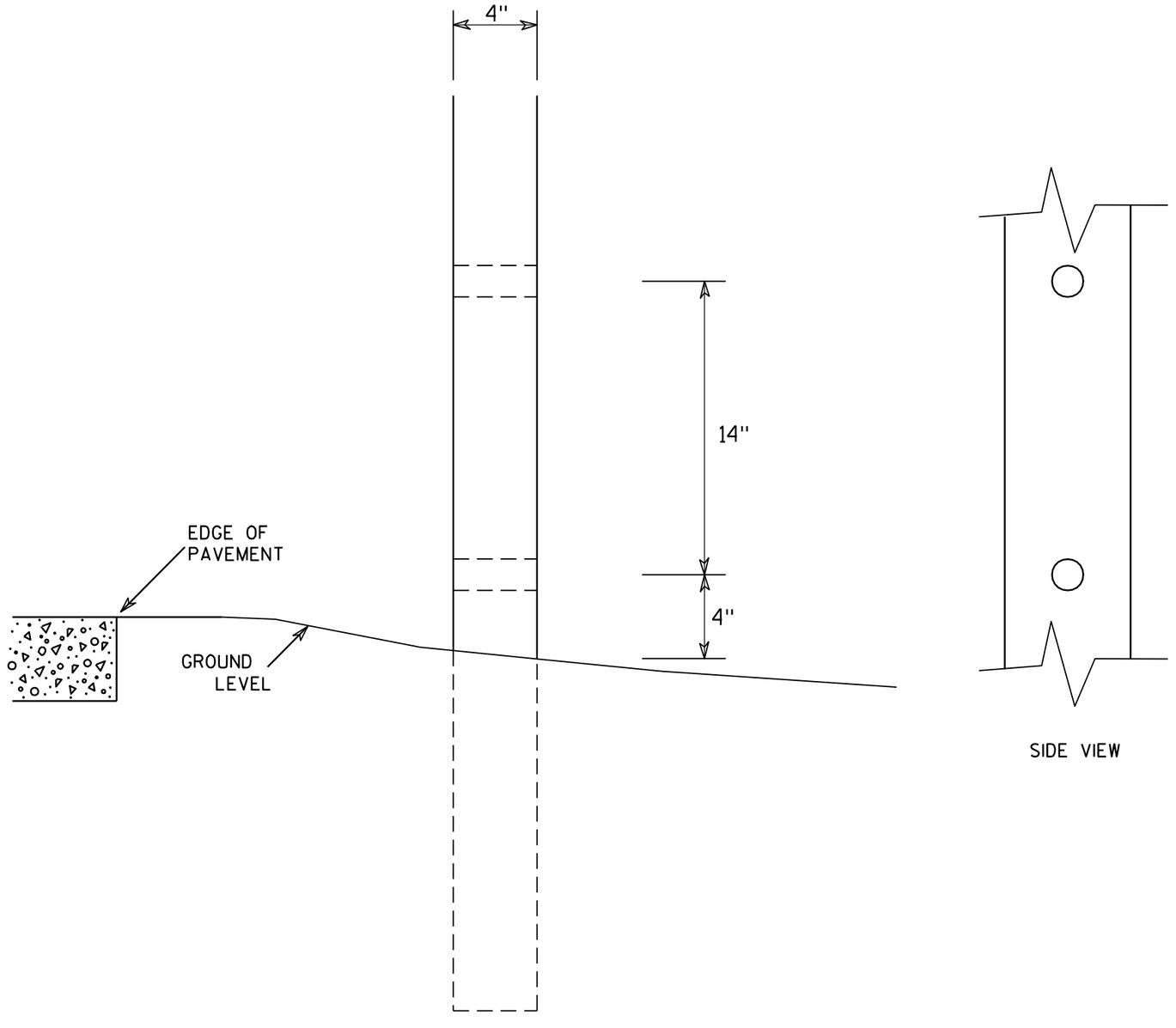
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/14 PL... A2-1S.8

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :
WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

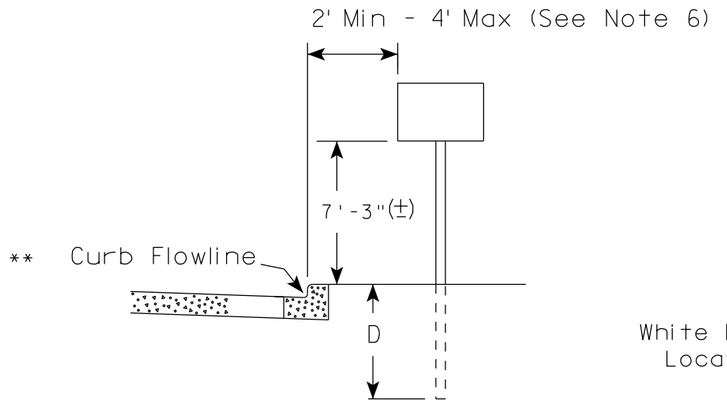
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

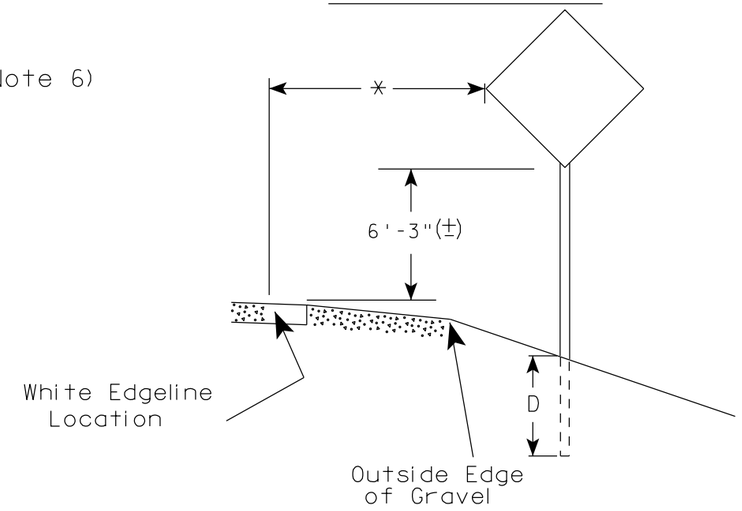
DATE 3/27/97 PLATE NO. A4-11.2

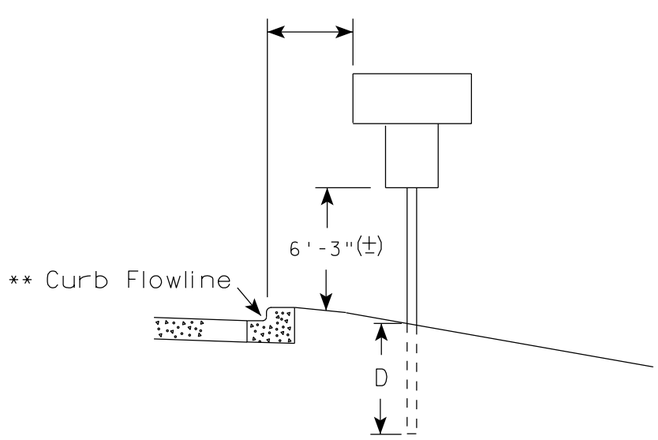
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 131	E

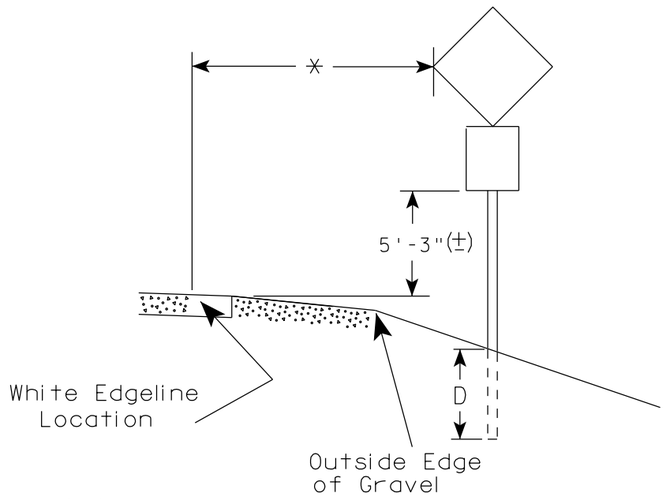
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

GENERAL NOTES

1. Signs wider than 4 feet, 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series) & End of Rod Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (+).

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

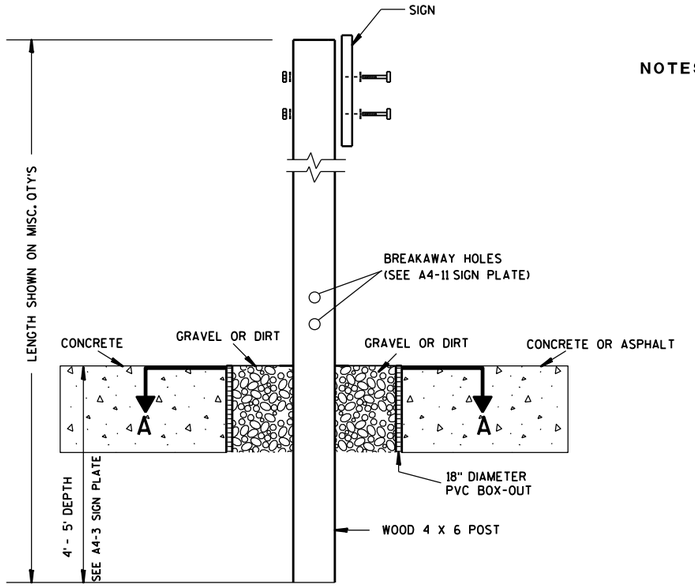
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/13 PLATE NO. A4-3.18

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

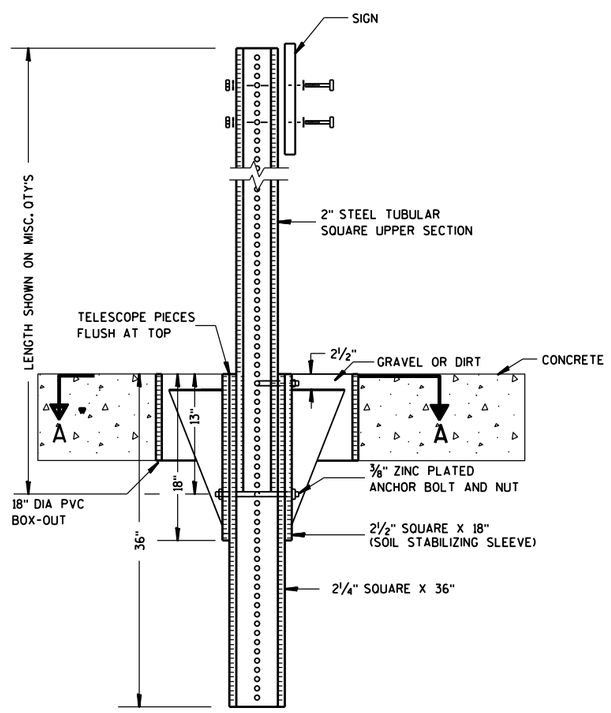
7



ELEVATION VIEW

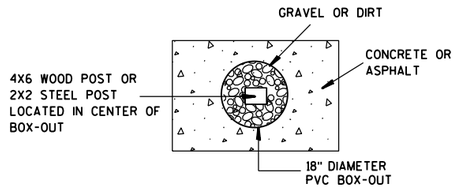
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

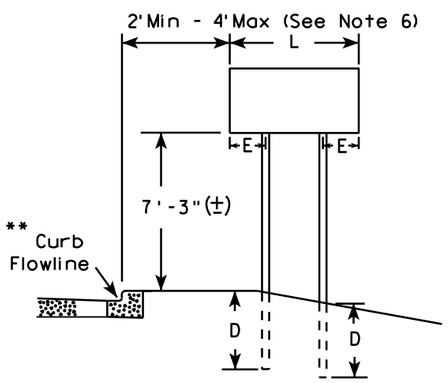
APPROVED Matthew R Rauch
for State Traffic Engineer

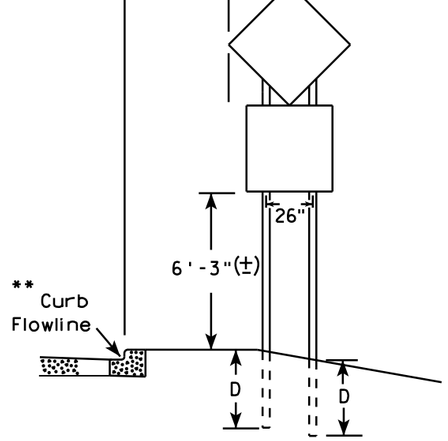
DATE 1/27/14 PLATE NO. A4-3B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

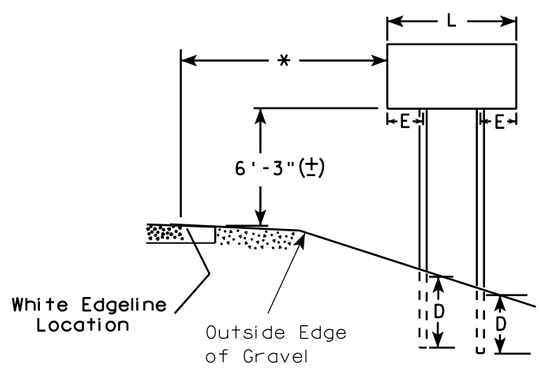
URBAN AREA

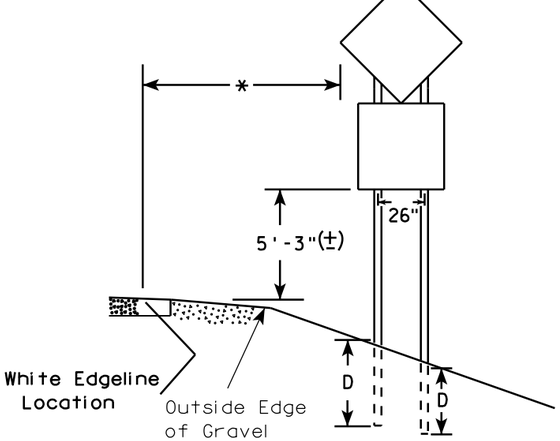




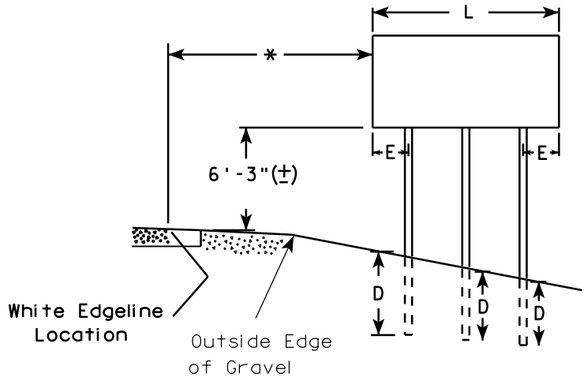
48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)





48" DIAMOND WARNING SIGN



GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width or 20 S.F. or less in area.

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

***

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

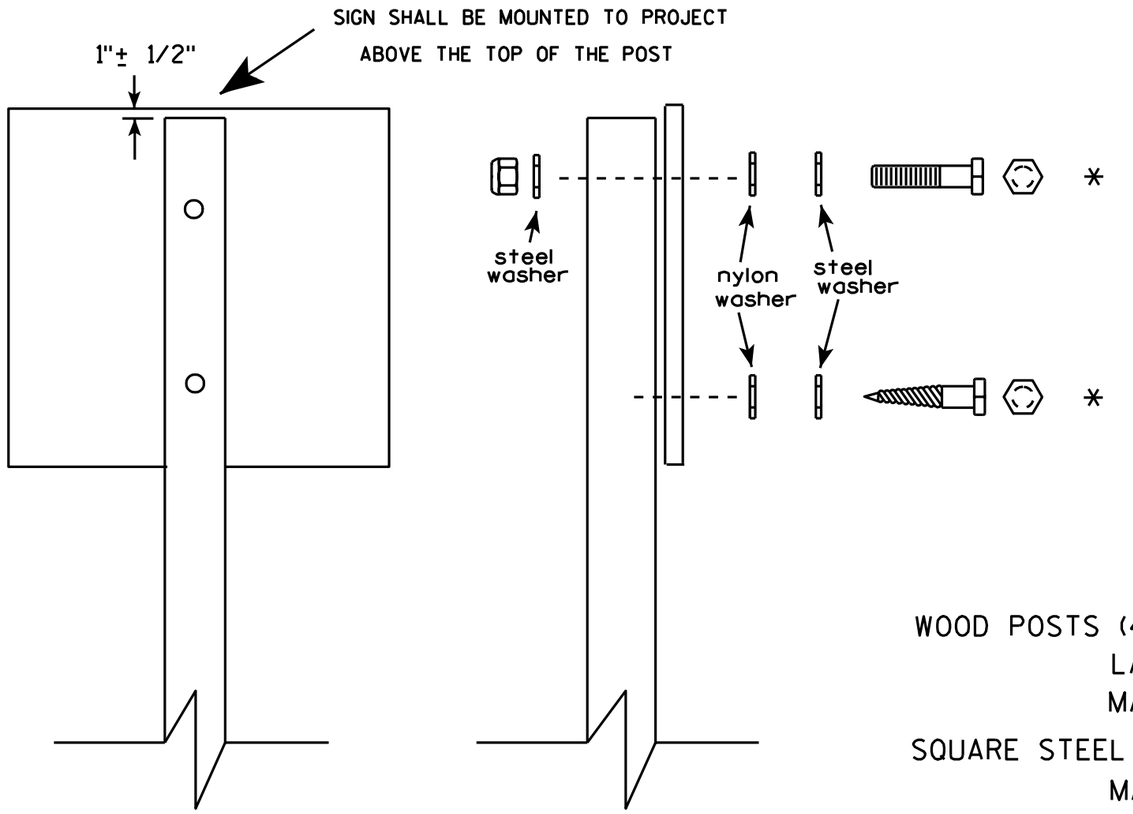
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/13 PLATE NO. A4-4 12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN PLOT DATE : 30-SEP-2013 13:27 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 107.021305:1.000000 WISDOT/CADDS SHEET 42



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

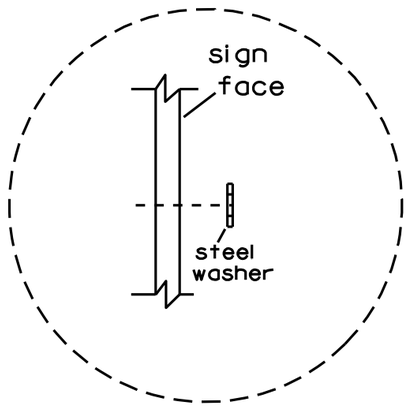
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

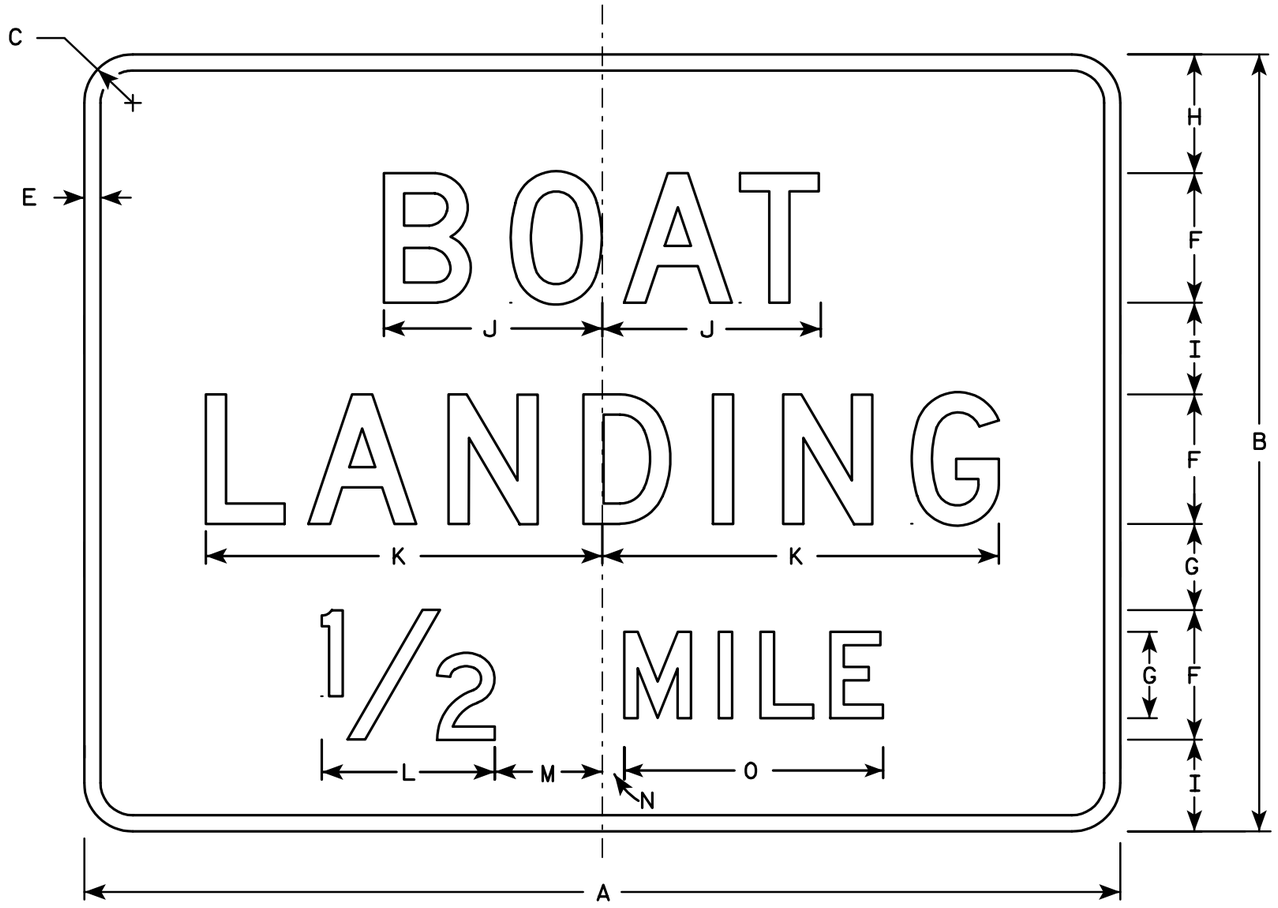
DATE 3/23/10 PLATE NO. A4-8.7

7

7

PROJECT NO:

SHEET NO: 135 E



D7-54

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Brown
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	
2	1200 mm X 900 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area sq
1																												
2	48	36	2 1/4		3/4	6	4	5 1/2	4 1/4	10 1/8	18 3/8	8	5	1	12												12.0	1.08
3																												
4																												
5																												

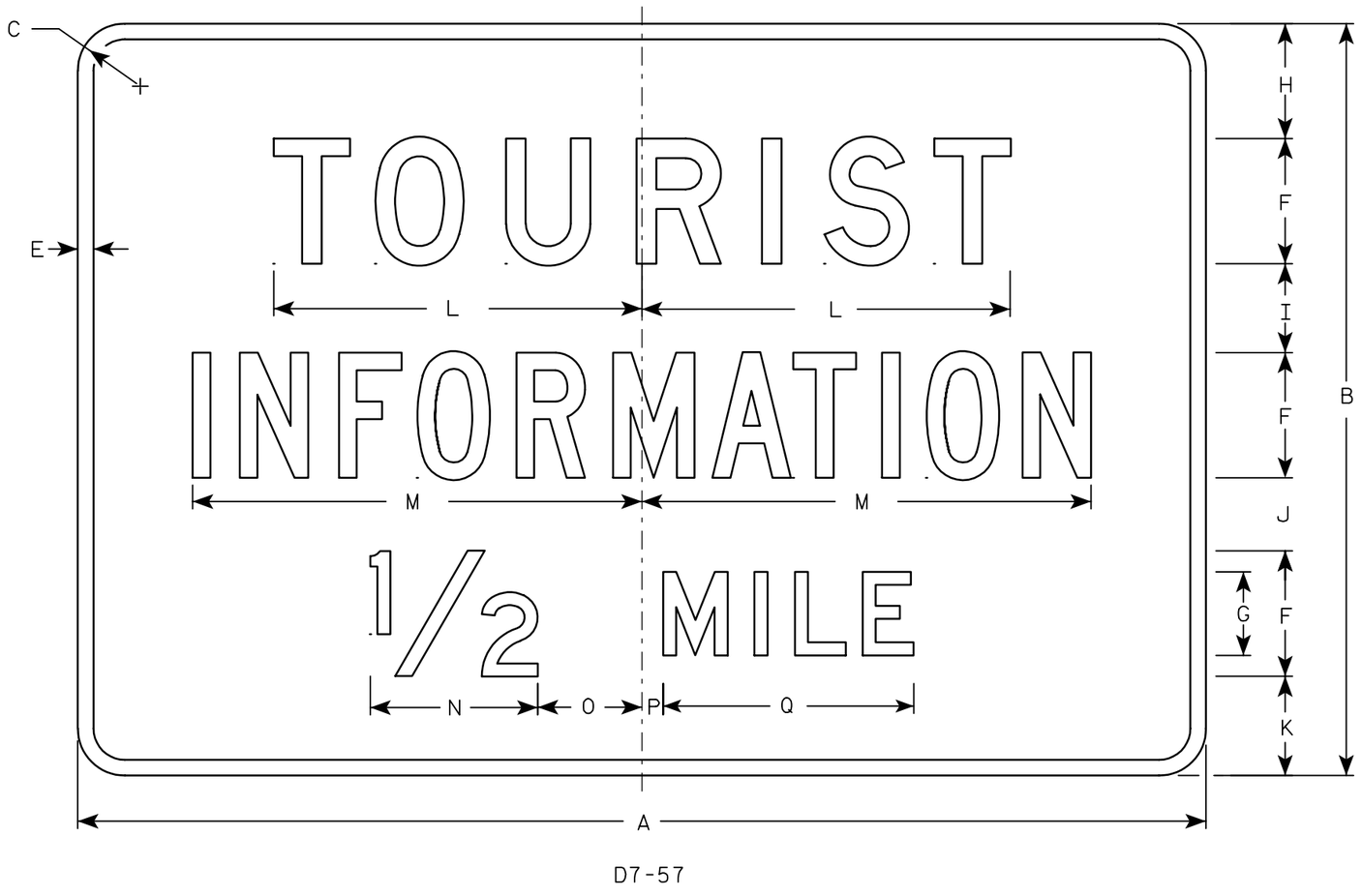
STANDARD SIGN
D7-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spray for State Traffic Engineer

DATE 1/10/02 PLATE NO. D7-54.6

STATE PROJECT NUMBER: | SHEET NO: 136 | E



D7-57

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 & 3 are series D
   Line 2 is series C.

Metric equivalent for this sign is:

SIZE	
1	
2	1350 mm X 900 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	54	36	2 1/4		3/4	6	4	5 1/2	4 1/4	3 1/2	4 3/4	17 5/8	21 1/2	8	5	1	12										13.5	1.22
3																												
4																												
5																												

STANDARD SIGN
D7-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spacy for State Traffic Engineer

DATE 1/10/02 PLATE NO. D7-57.5

STATE PROJECT NUMBER:

SHEET NO: 137 E

7

7

58,59,60,61,62,63

LEVELS ON - 2.3. 5.6. 10.

FILE NAME : C:\Users\Projects\tr_stdplate\D757.DGN PLOT DATE : 22-JAN-2002 08:10 ORG DATE : 5/22/97 Originator : Don Kluever

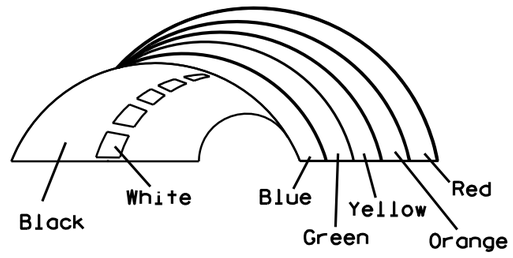
WISDOT/CADDS SHEET 42

* VARIES

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - (See Note 5)
3. Message Series - (See Note 6)
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Border - Blue
   Line 1 - Red
   Line 2 - Black
   Line 3-5 - Blue
6. Line 1 - Dutch 8011L
   Line 2 - Series E
   Line 3-5 - Series C
7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	36	1 1/2	1/2	5/8	3	2	3 1/2	2 7/8	1	8	2 1/8	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2							7.5
3																											
4																											
5																											

STANDARD SIGN
I55-56

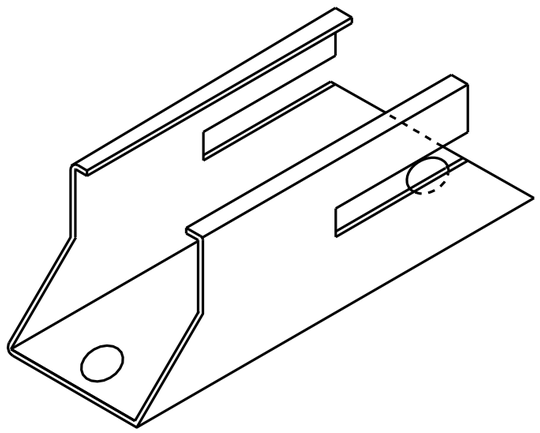
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

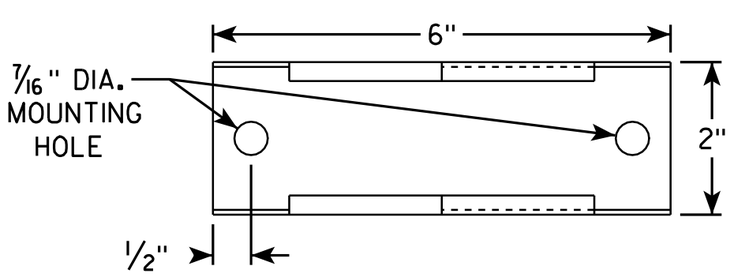
DATE 4/27/11 PLATE NO. 155-56.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 138

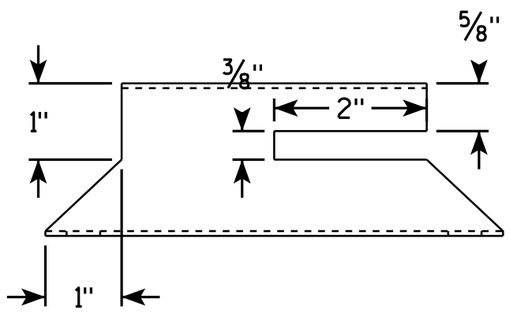
ISOMETRIC VIEW



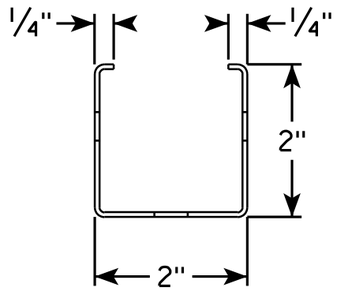
TOP VIEW



SIDE VIEW



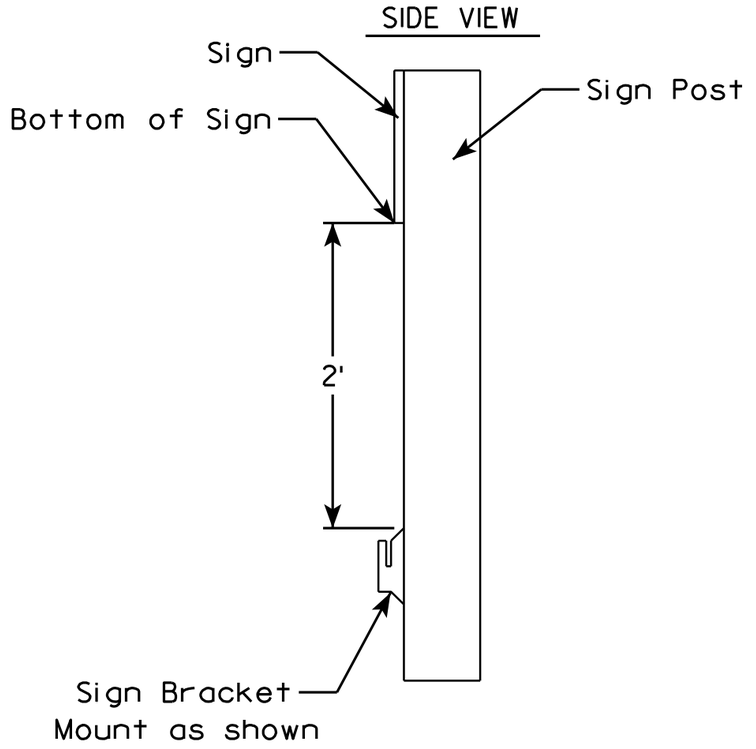
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

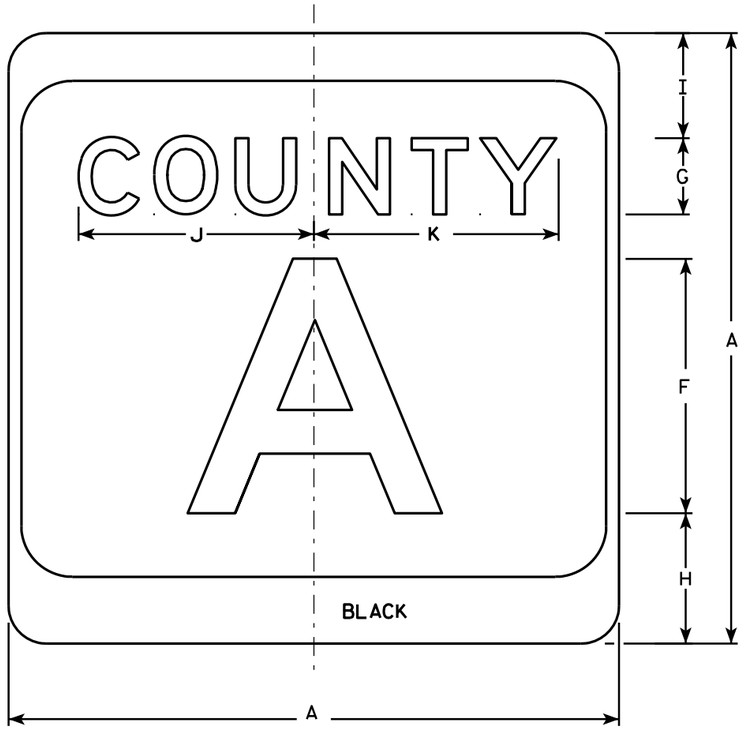
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/10 PLATE NO. I55-56B.1

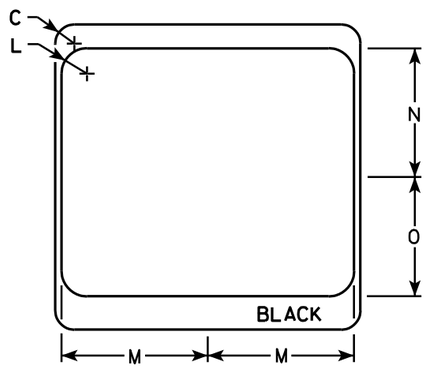
7

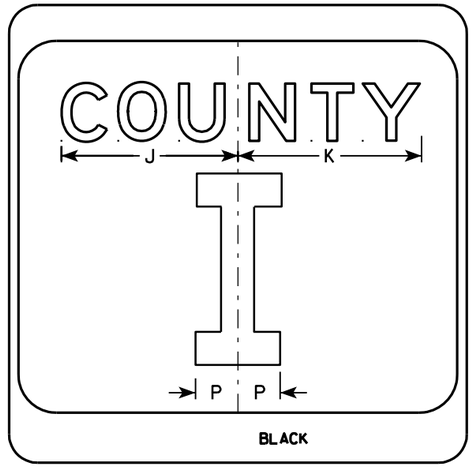
7

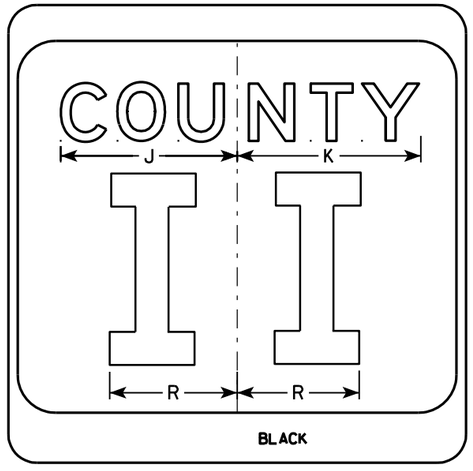
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 139	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

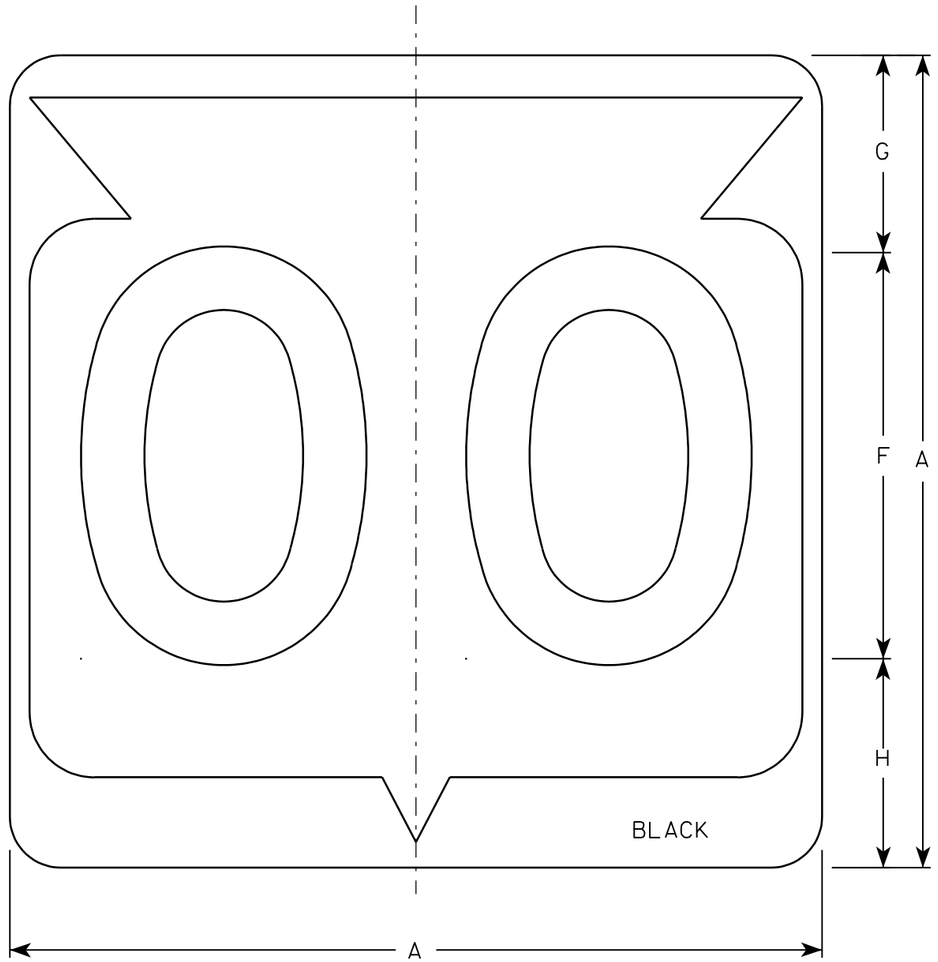
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

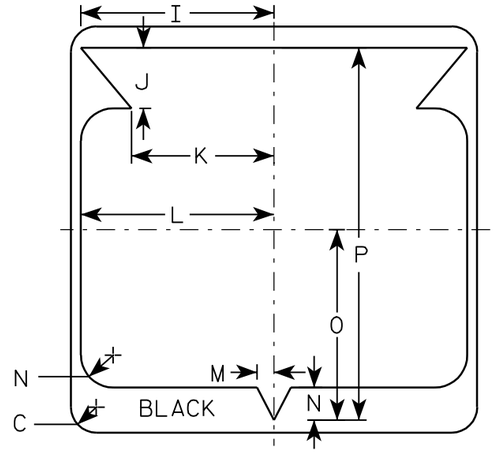
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 140	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

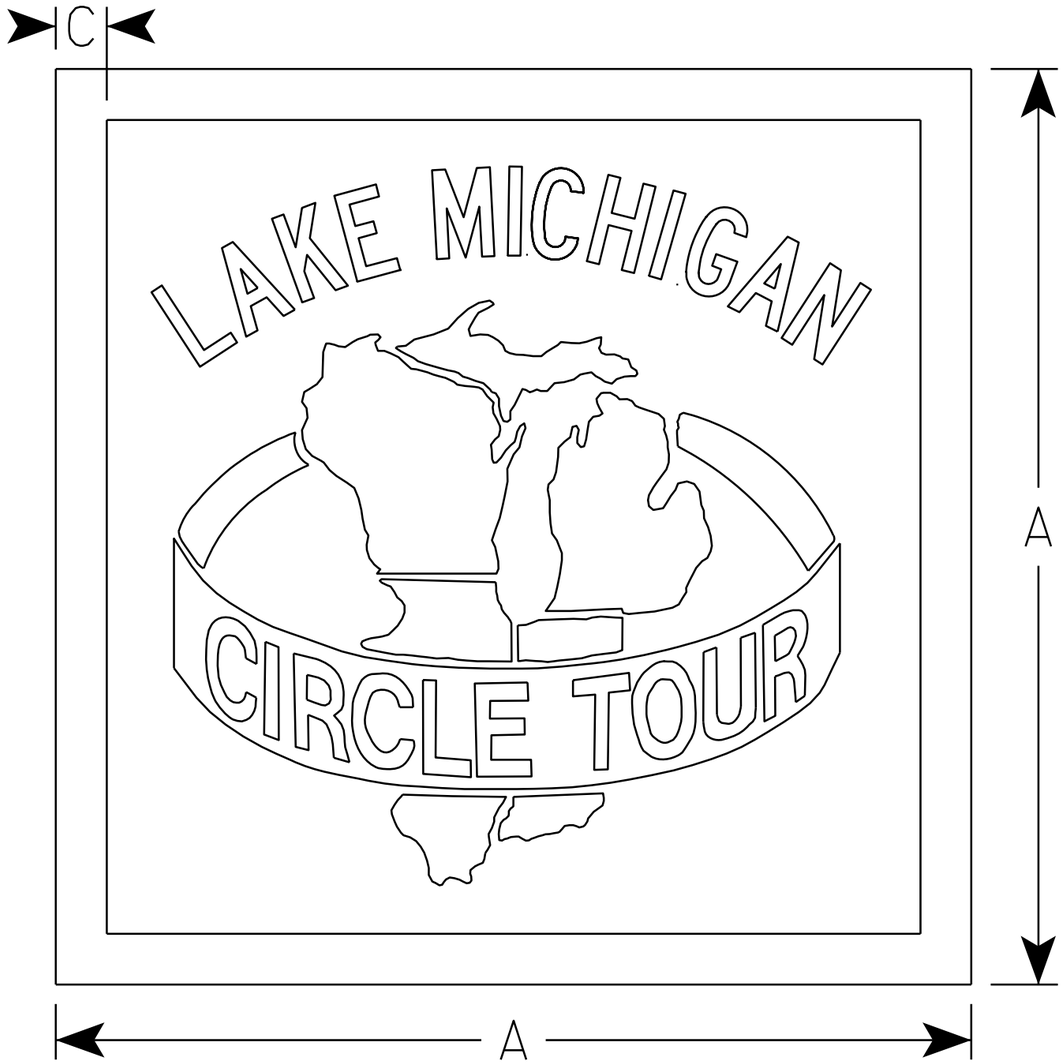
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 141	E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White - Graphics - White
   Circle Tour Message is Green
3. Message Series - Special
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 ½																								4.0	.36
3																												
4	36		2																								9.0	.81
5																												

STANDARD SIGN
M1-93

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 10/05/09 PLATE NO. M1-93.1

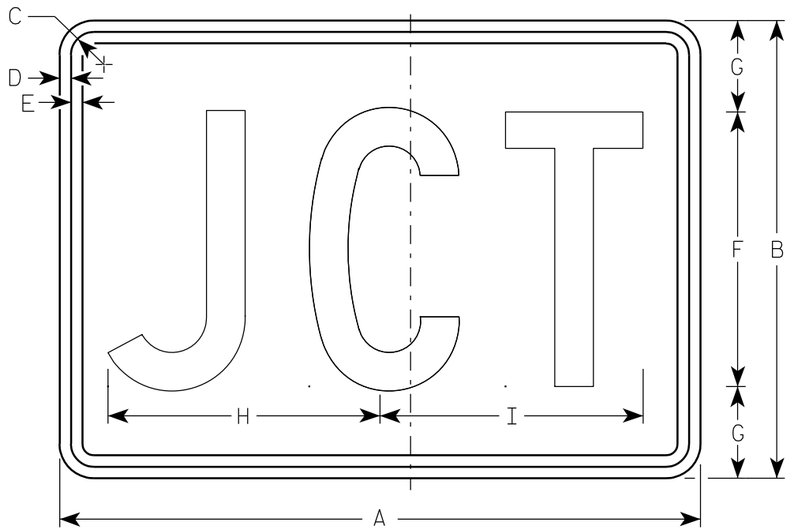
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 142	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M193.DGN PLOT DATE : 05-OCT-2009 13:39 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 5.959043:1.000000

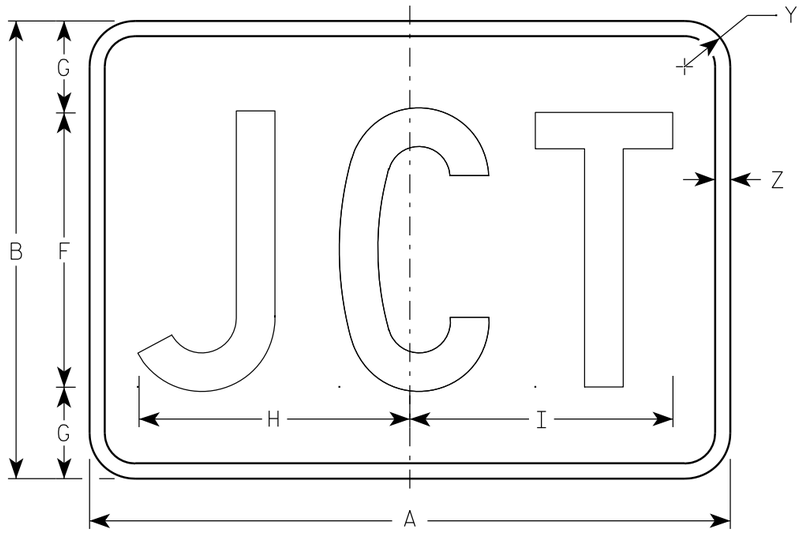
WISDOT/CADDS SHEET 42

7

7



M2-1
MK2-1
MM2-1
MR2-1



MB2-1
MG2-1
MN2-1

NOTES

1. Sign is Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White - Type H Reflective
   (Detour or temporary Signs - Reflective)
   Message - Black
   MB2-1 Background - Blue
   Message - White - Type H Reflective
   (Detour or temporary Signs - Reflective)
   MG2-1 Background - Green
   Message - White - Type H Reflective
   MK2-1 Background - Green
   Message - White - Type H Reflective
   MM2-1 Background - White - Type H Reflective
   Message - Green
   MN2-1 Background - Brown
   Message - White - Type H Reflective
   MR2-1 Background - Brown
   Message - Yellow - Type H Reflective

Metric equivalent for this sign is:

SIZE	
1	
2	525 mm X 375 mm
3	750 mm X 525 mm
4	750 mm X 525 mm
5	750 mm X 525 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20	0.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20

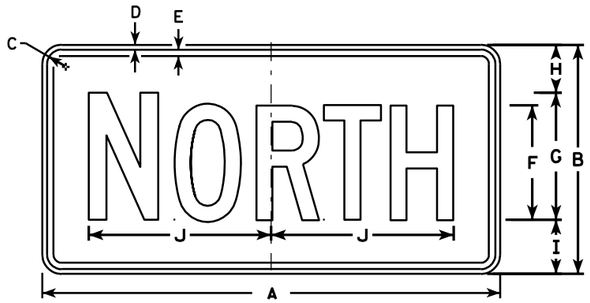
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

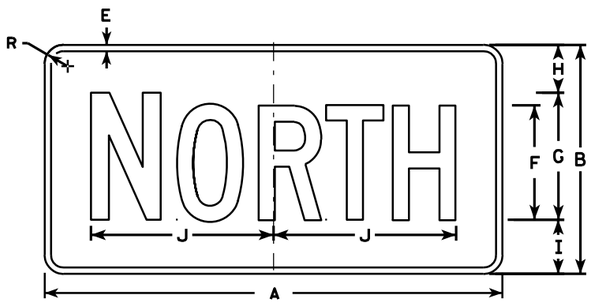
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/10 PLATE NO. M2-1.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 143	E

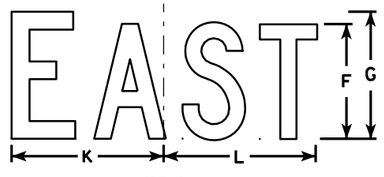


M3-1
MK3-1
MO3-1

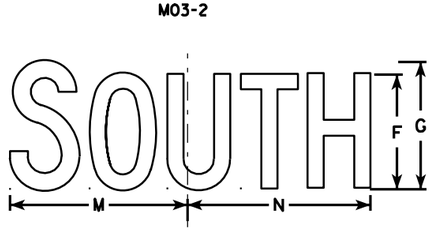


MB3-1
MG3-1
MM3-1
MN3-1

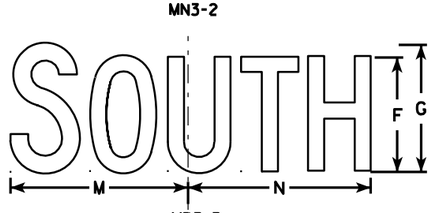
M3-2
MK3-2
MO3-2



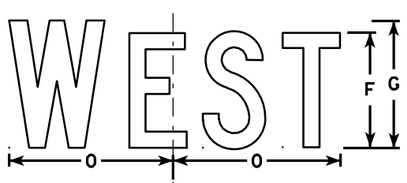
MB3-2
MG3-2
MM3-2
MN3-2



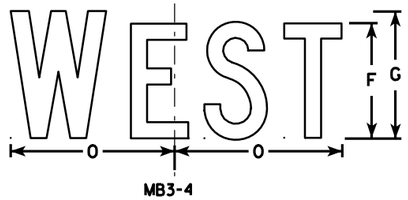
M3-3
MK3-3
MO3-3



MB3-3
MG3-3
MM3-3
MN3-3



M3-4
MK3-4
MO3-4



MB3-4
MG3-4
MM3-4
MN3-4

NOTES

1. All Signs Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White - Type H Reflective (Detour or temporary signs - Reflective) Message - Black
   MB3-1 thru MB3-4 Background - Blue Message - White - Type H Reflective (Detour or temporary signs - Reflective)
   MG3-1 thru MG3-4 Background - Green Message - White - Type H Reflective
   MK3-1 thru MK3-4 Background - Green Message - White - Type H Reflective
   MM3-1 thru MM3-4 Background - White - Type H Reflective Message - Green
   MN3-1 thru MN3-4 Background - Brown Message - White - Type H Reflective
   M03-1 thru M03-4 Background - Orange - Reflective Message - Black
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

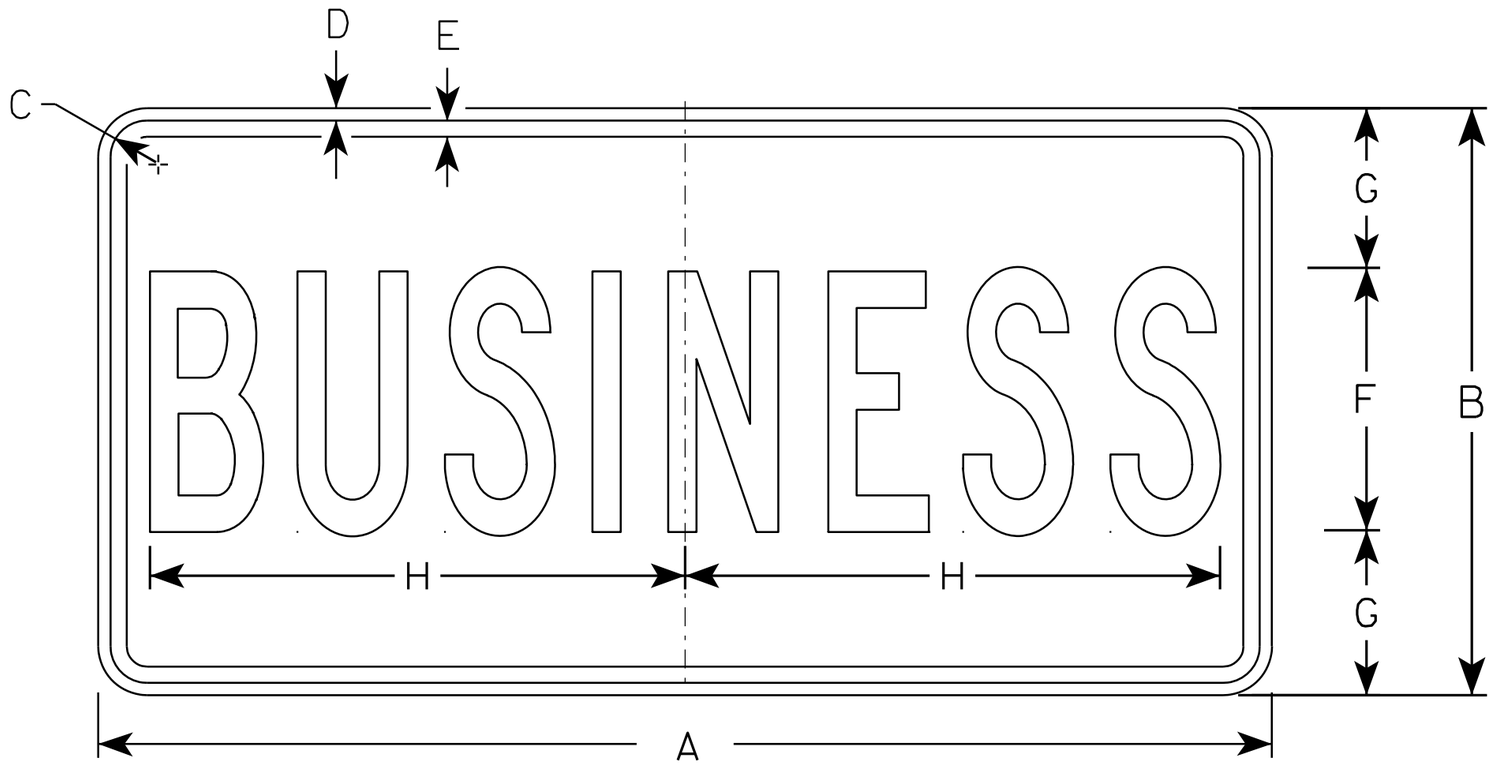
STANDARD SIGNS
M3-1 thur M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/10/10 PLATE NO. M3-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 144	E



M4-3

NOTES

1. Sign is Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White - See Note 5
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Permanent Signs
   Background - Type H Reflective
   Detour or other temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	5	3 1/2	9 5/8																			2.0
3	36	18	1 1/8	3/8	1/2	8	5	16 3/8																			4.5
4																											
5																											

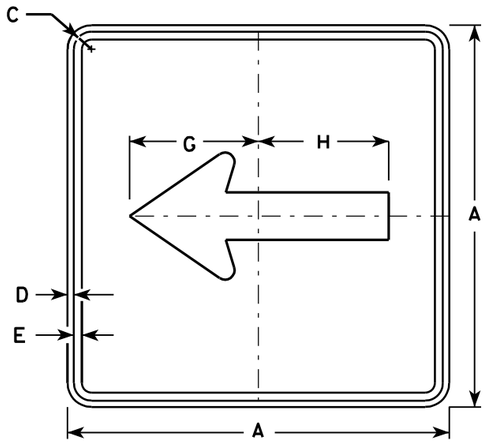
STANDARD SIGN
M4-3

WISCONSIN DEPT OF TRANSPORTATION

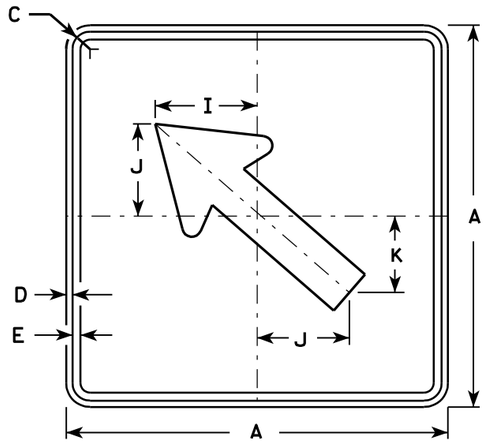
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-3.5

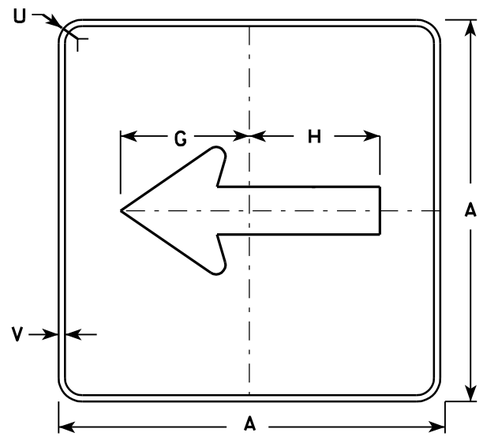
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 145 | E



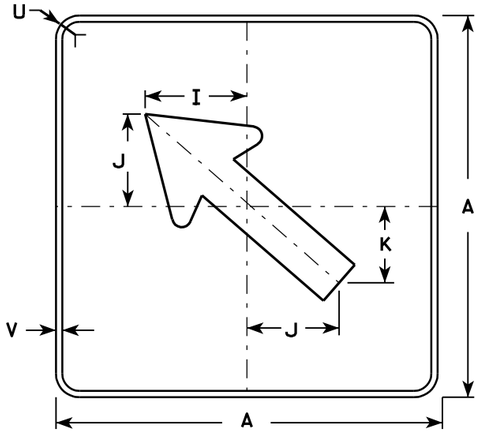
M6-1
MK6-1
MM6-1
MO6-1
MP6-1
MR6-1



M6-2
MK6-2
MM6-2
MO6-2
MP6-2
MR6-2



MB6-1
MG6-1
MN6-1



MB6-2
MG6-2
MN6-2

NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White - Type H Reflective
   Message - Black

   MB6-1 and MB6-2 Background - Blue
   Message - White - Type H Reflective

   MG6-1 and MG6-2 Background - Green
   Message - White - Type H Reflective

   MK6-1 and MK6-2 Background - Green
   Message - White - Type H Reflective

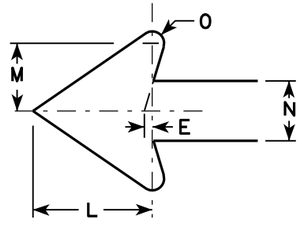
   MM6-1 and MM6-2 Background - White - Type H Reflective
   Message - Green

   MN6-1 and MN6-2 Background - Brown
   Message - White - Type H Reflective

   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black

   MP6-1 and MP6-2 Background - White - Type H Reflective
   Message - Blue

   MR6-1 and MR6-2 Background - Brown
   Message - Yellow - Type H Reflective



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN M6-1 & M6-2 SERIES

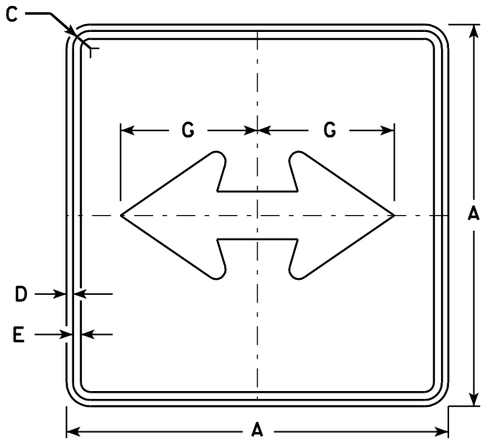
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

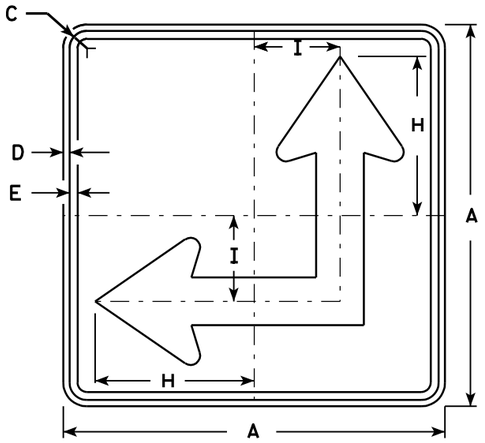
DATE 7/29/13 PLATE NO. M6-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 146 | E

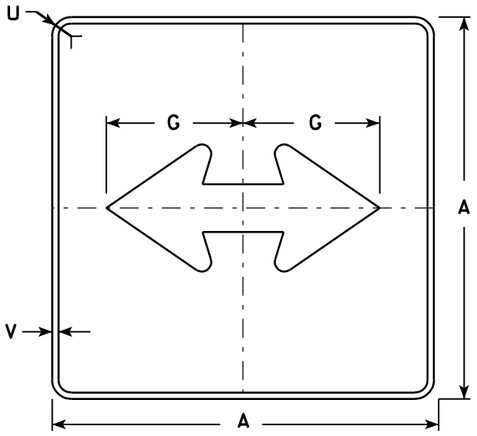
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 29-JUL-2013 13:57 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.908552:1.000000
WISDOT/CADDS SHEET 42



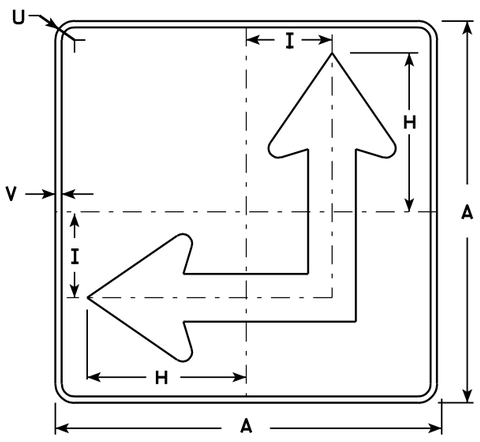
M6-4
MK6-4
MM6-4
MO6-4
MP6-4
MR6-4



M6-6
MK6-6
MM6-6
MO6-6
MP6-6
MR6-6



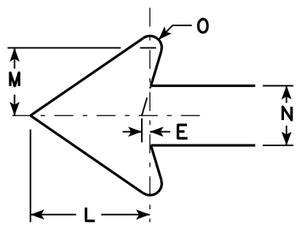
MB6-4
MG6-4
MN6-4



MB6-6
MG6-6
MN6-6

NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White - Type H Reflective
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White - Type H Reflective
   MG6-4 and MG6-6 Background - Green
   Message - White - Type H Reflective
   MK6-4 and MK6-6 Background - Green
   Message - White - Type H Reflective
   MM6-4 and MM6-6 Background - White - Type H Reflective
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White - Type H Reflective
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White - Type H Reflective
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow - Type H Reflective
5. M6-6R same as M6-6L except arrow points ahead and right.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

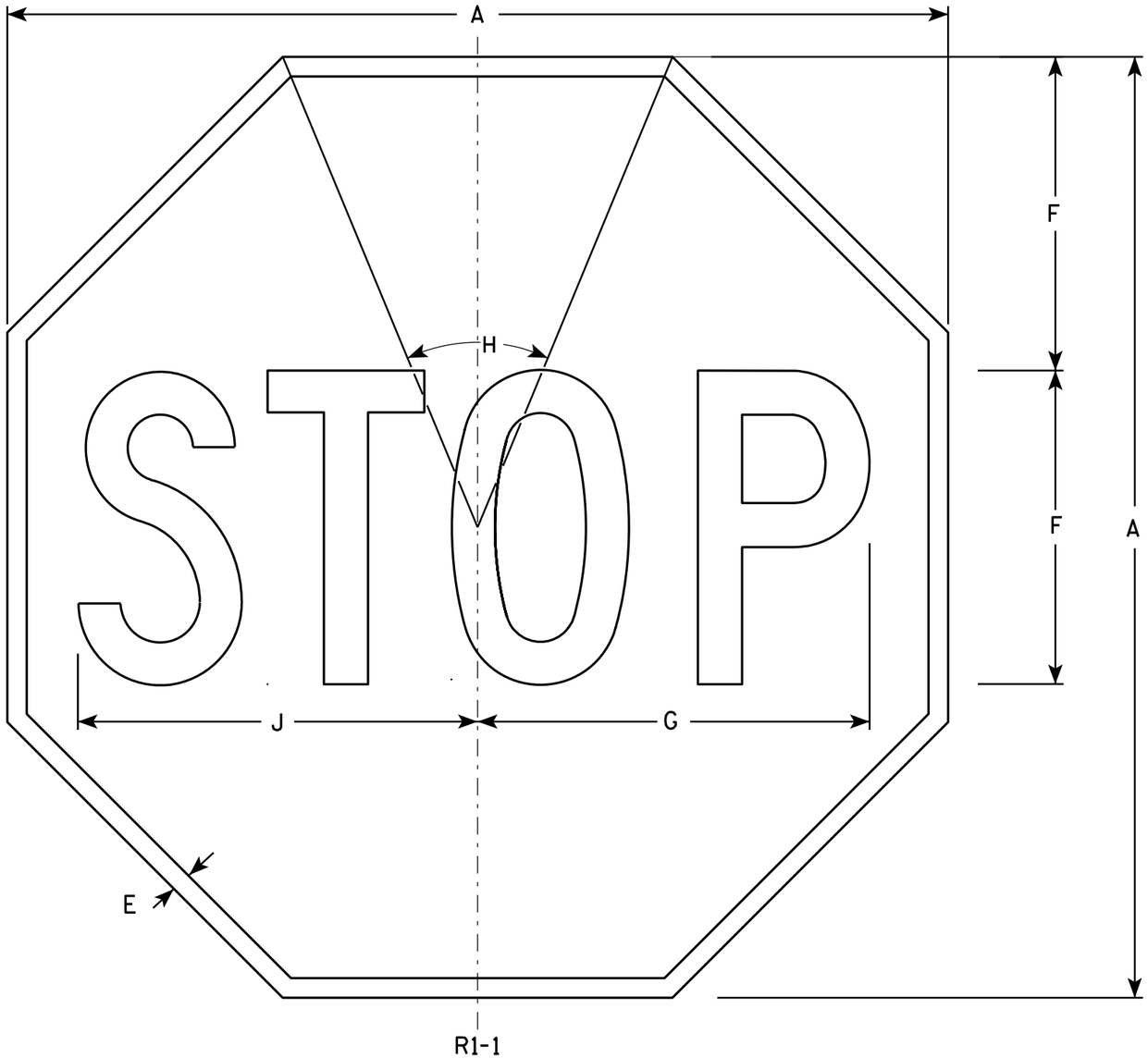
STANDARD SIGN M6-4 & M6-6 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 7/29/13 PLATE NO. M6-4.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 147 | E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24				3/8	8	10	45°		10 1/4																	3.31
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

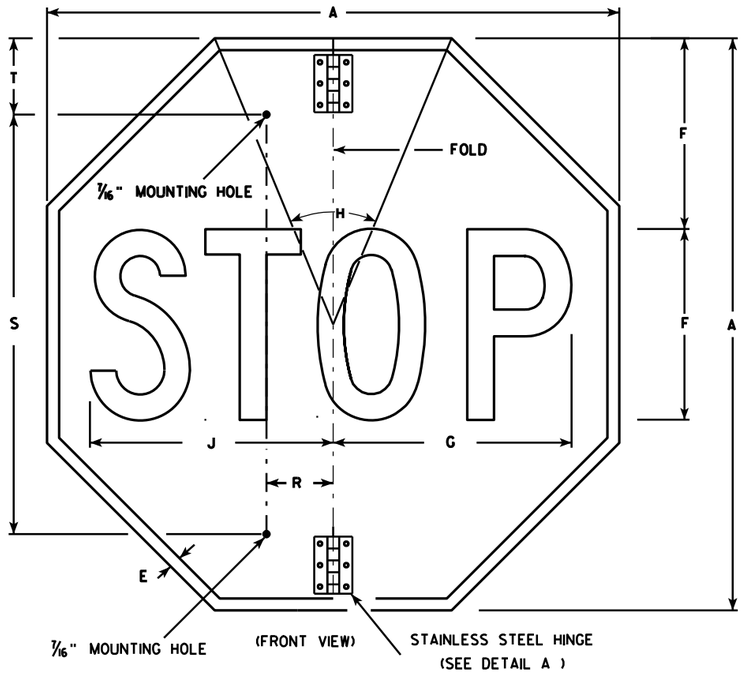
STANDARD SIGN
R1-1

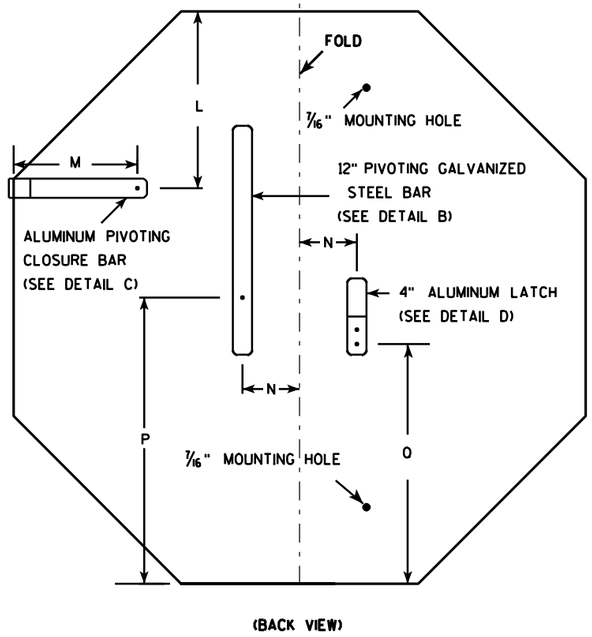
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1.12

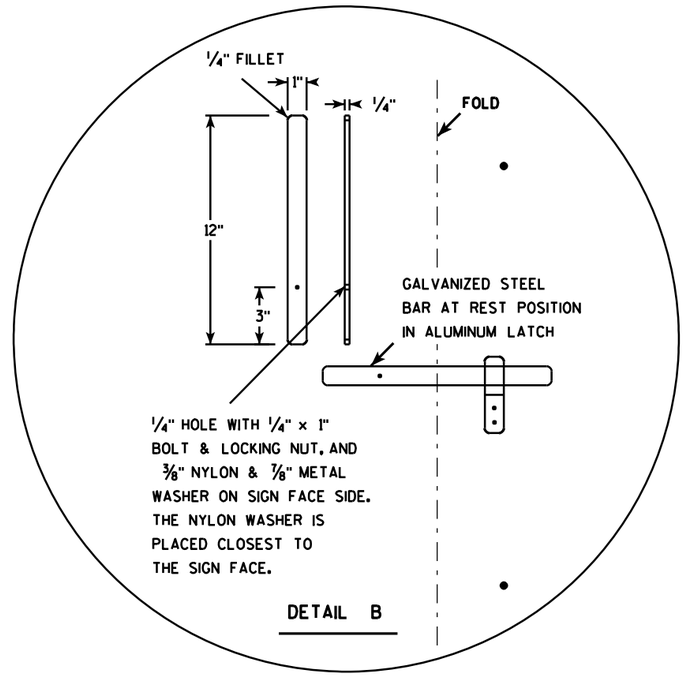
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 148	E



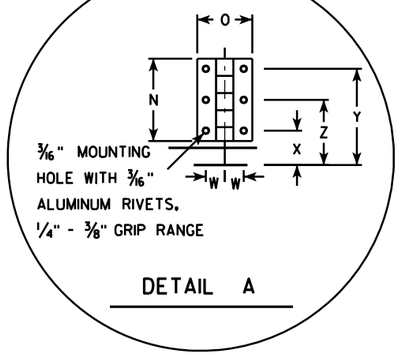


NOTES

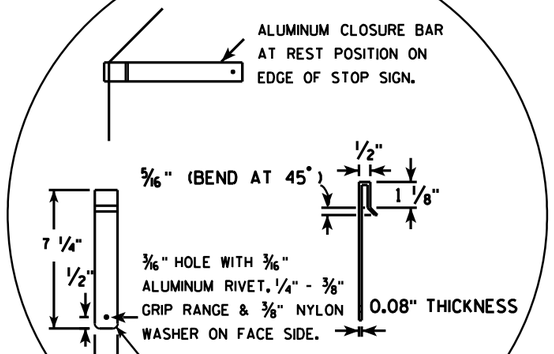
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



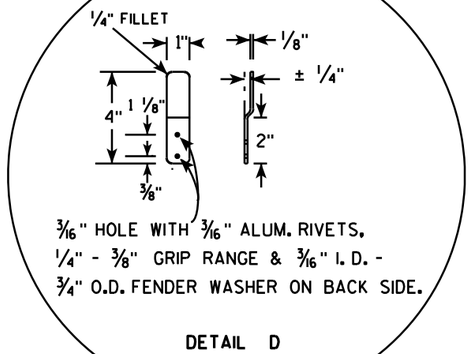
DETAIL B



DETAIL A



DETAIL C



DETAIL D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

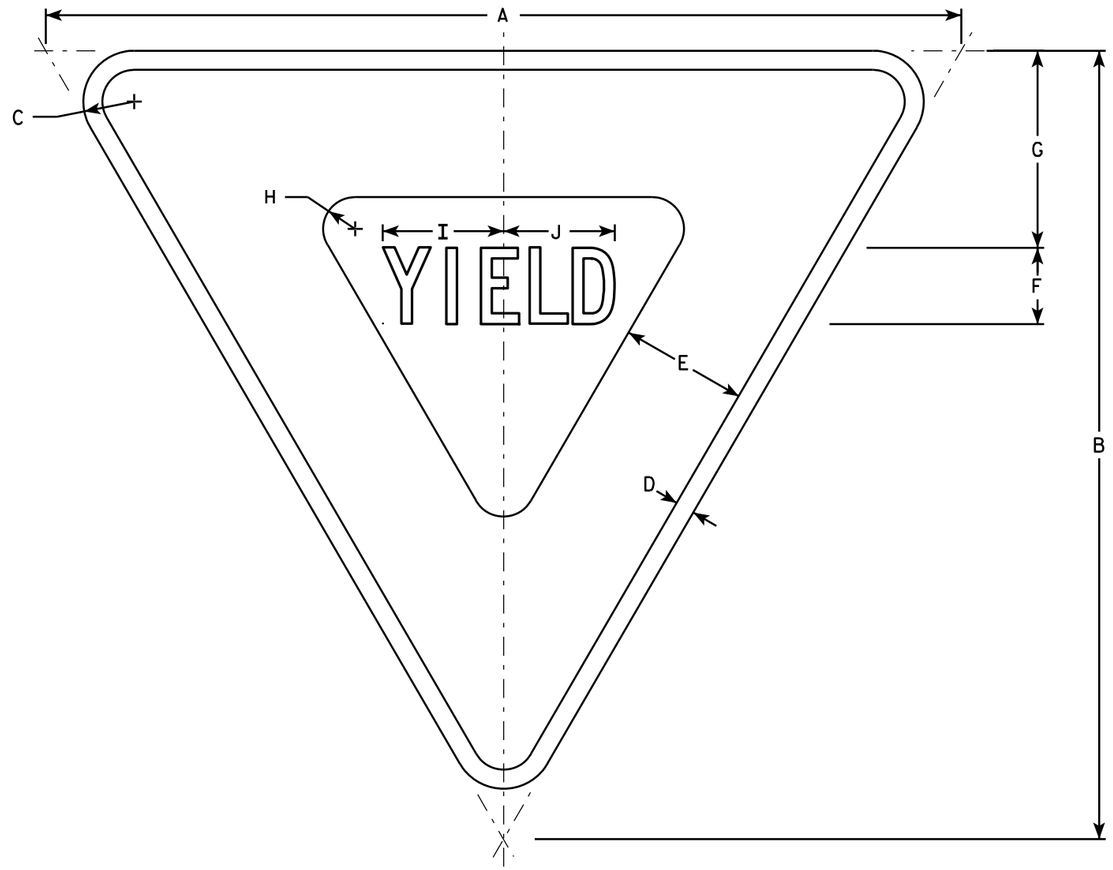
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 149	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6	24	21	1 1/2	3/8	3	2	4 3/4	7/8	3 1/4	3																	1.75
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

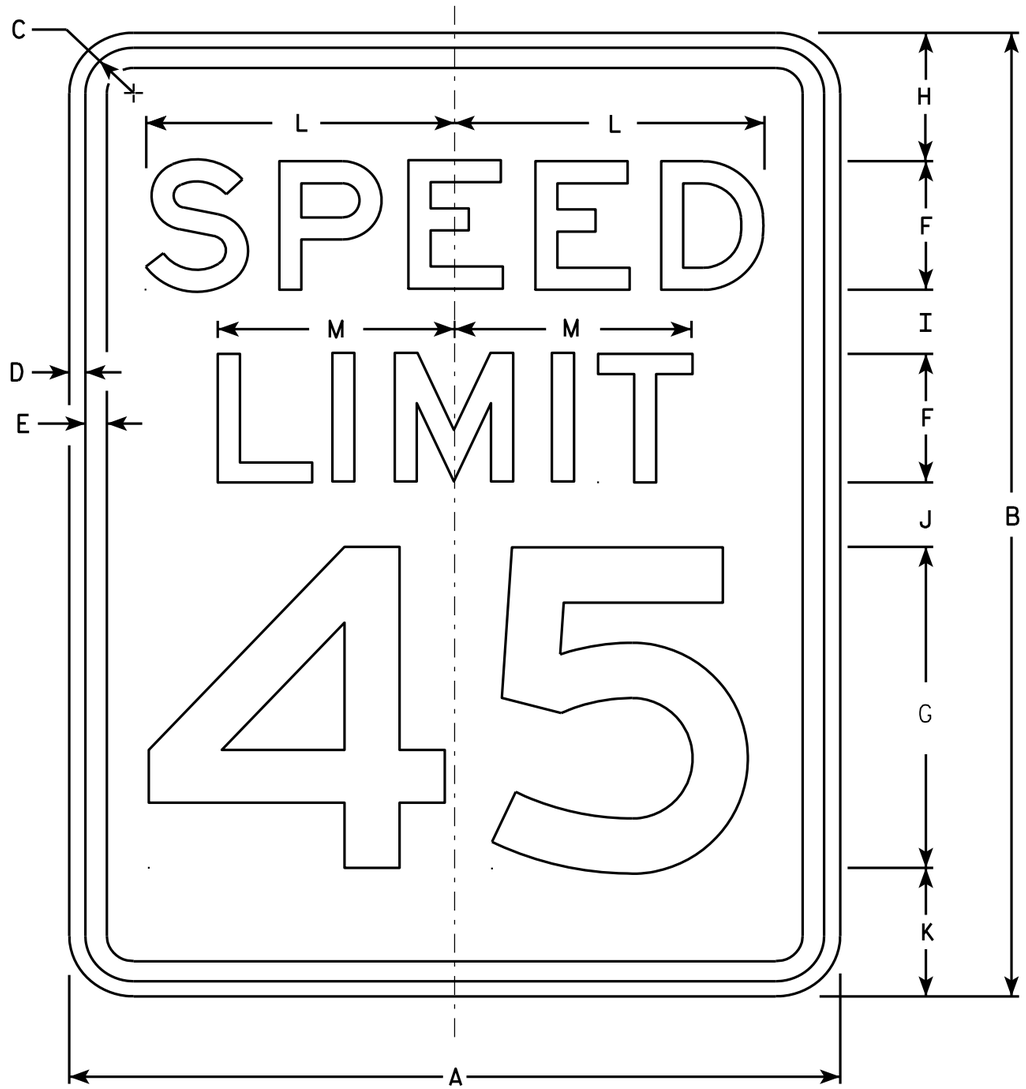
STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. R1-2.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 150 | E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

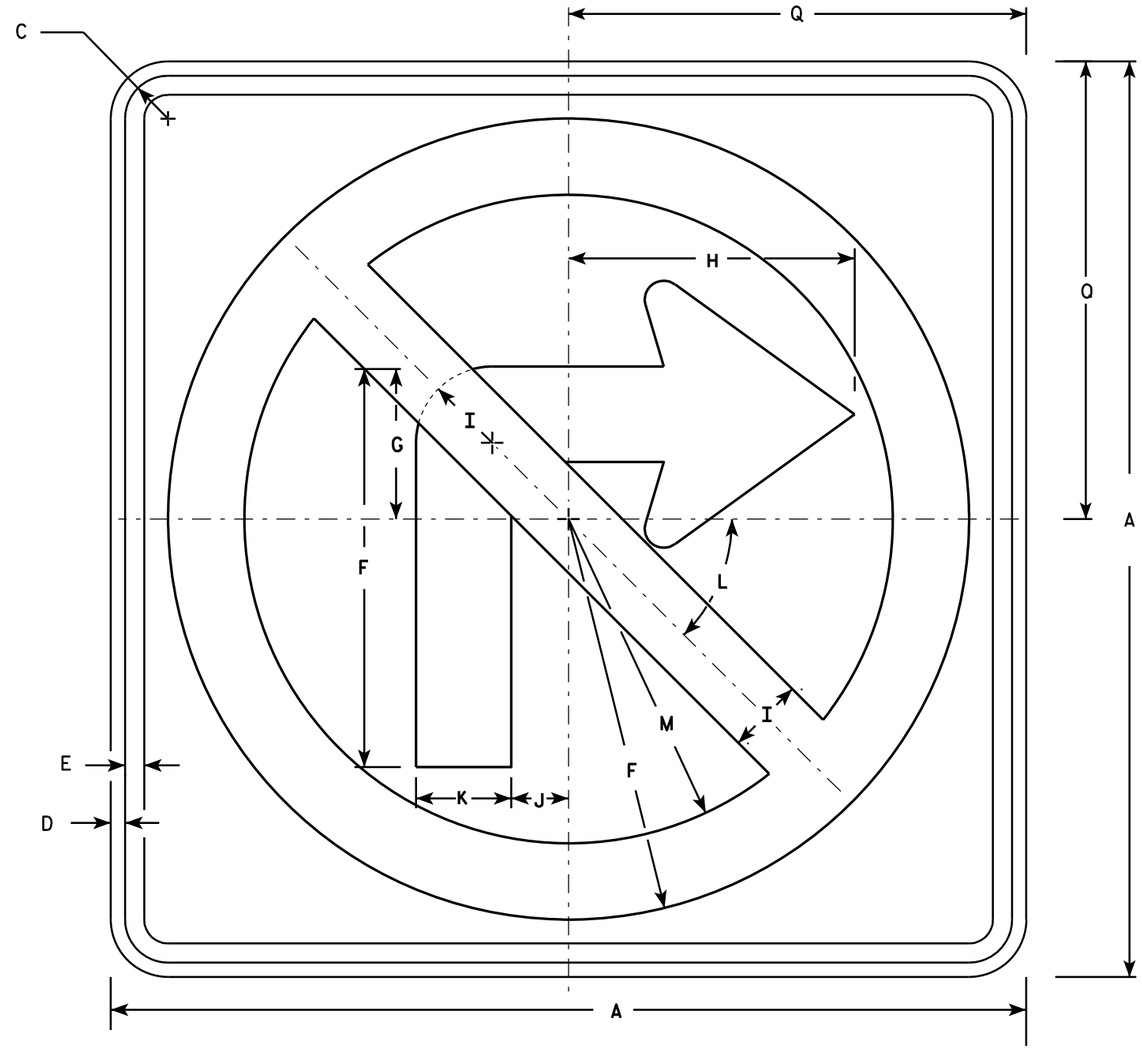
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 151 | E

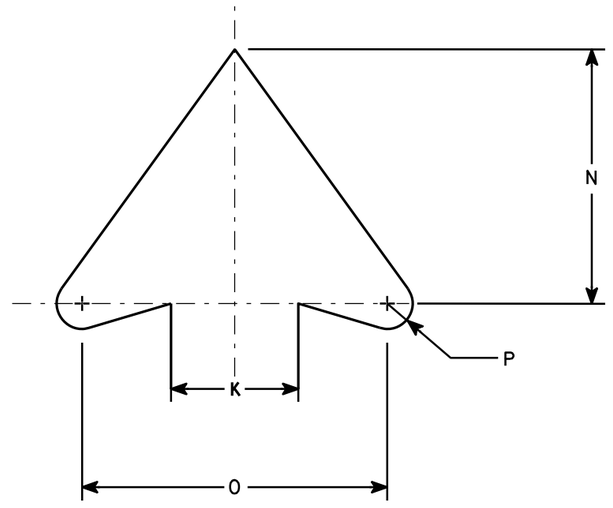
FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000
WISDOT/CADDS SHEET 42



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

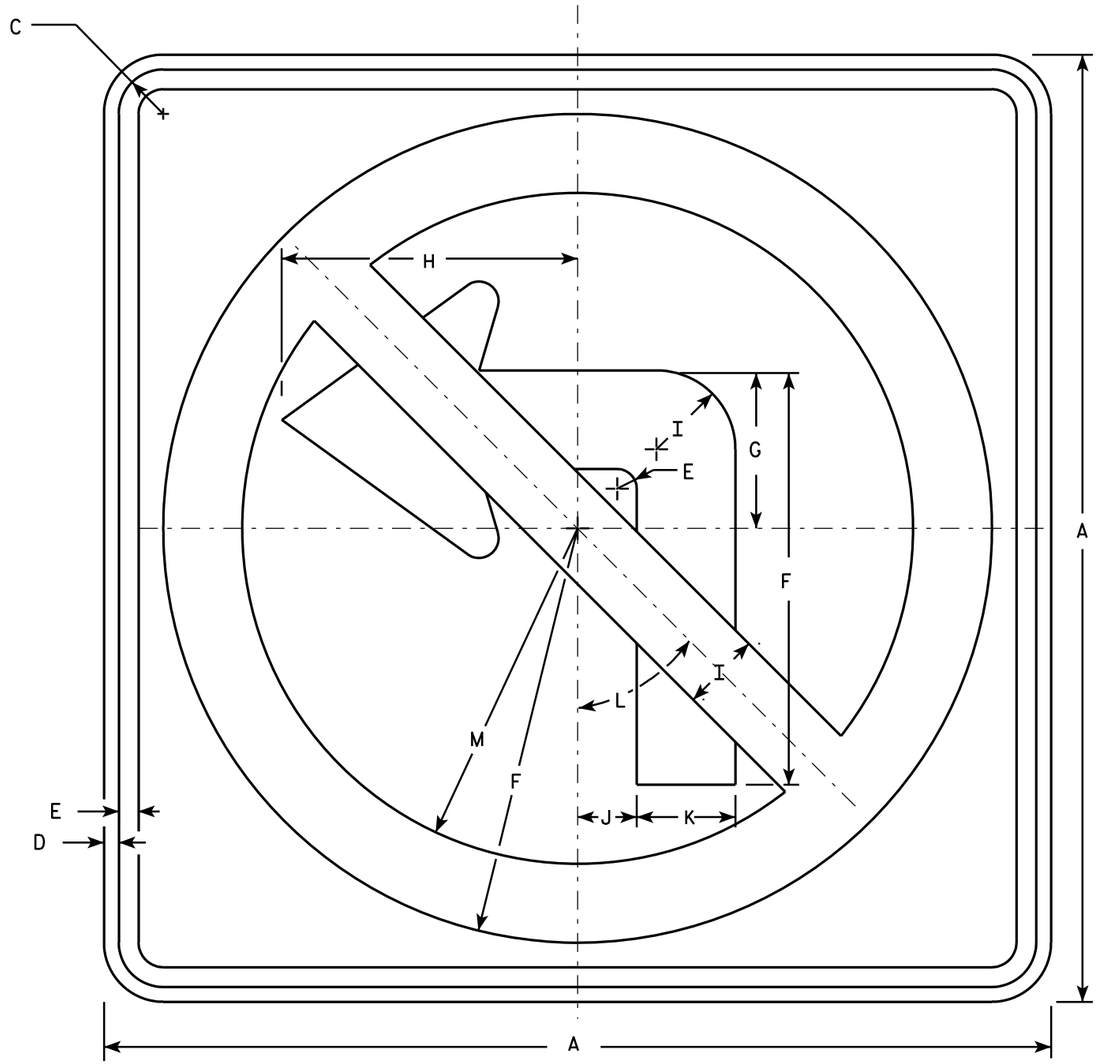
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

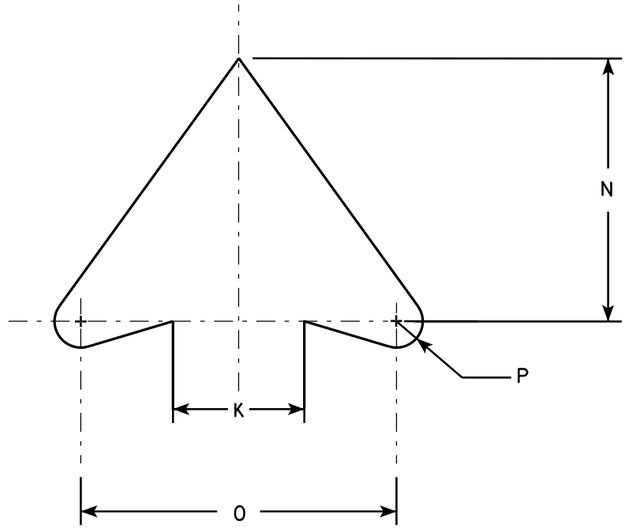
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 152	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

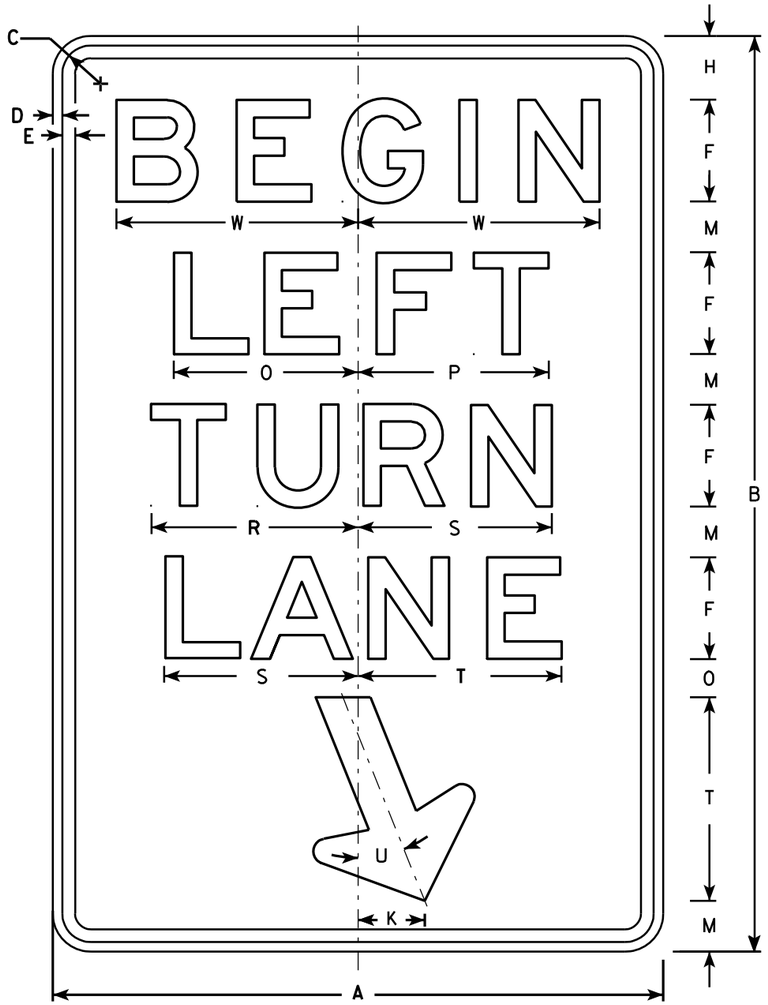
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

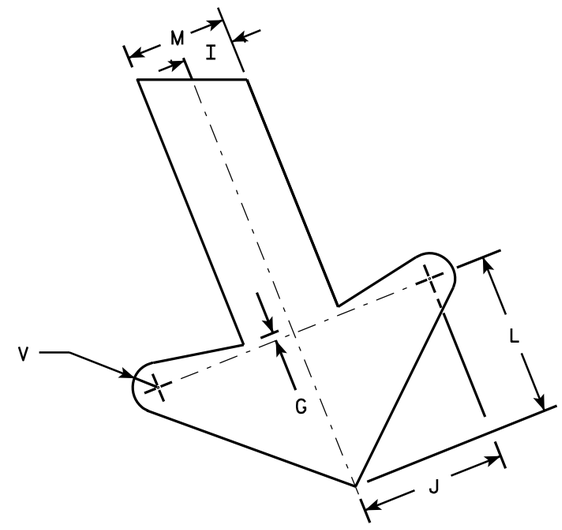
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 153	E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

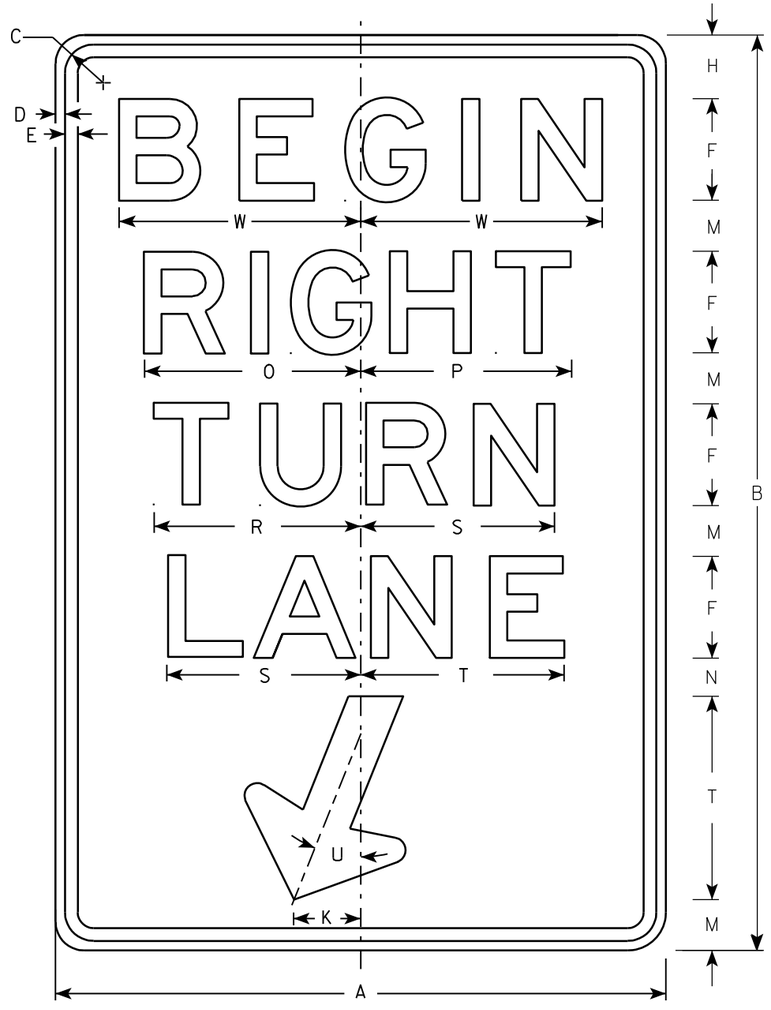
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

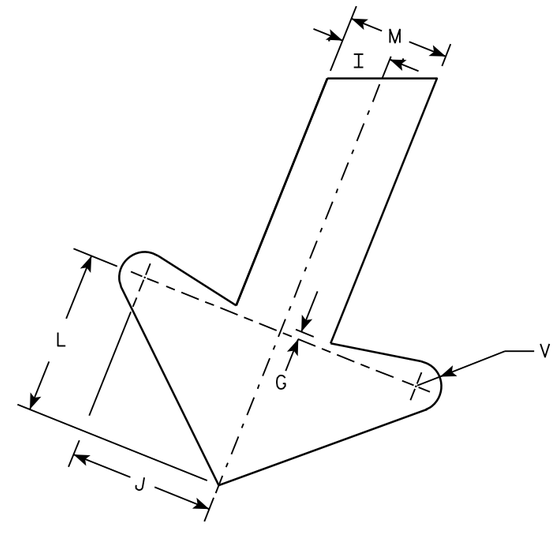
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 154 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

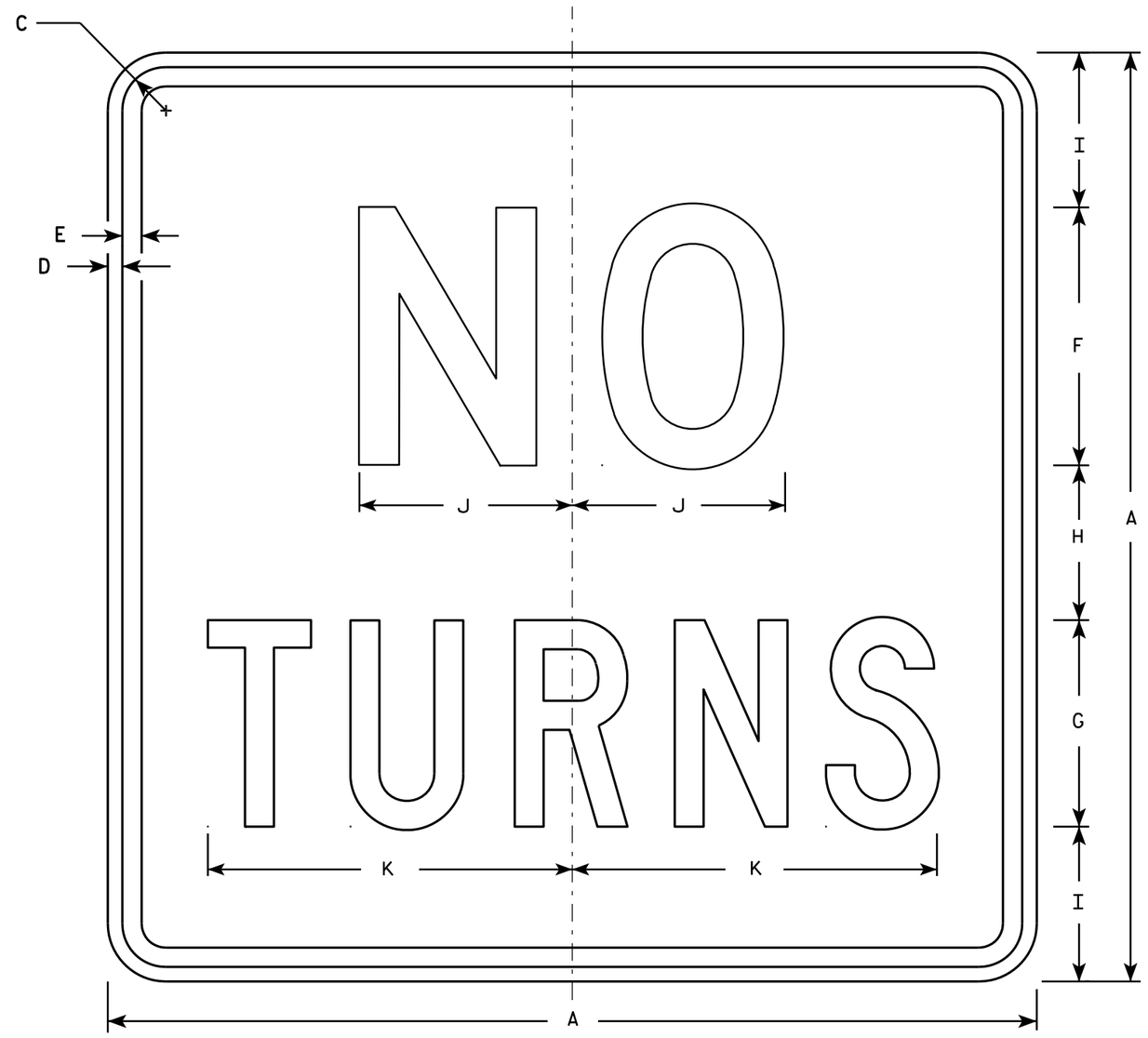
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 155 | E



R3-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D and Line 2 is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2	6	5	4	4 1/2	5 1/8	8 3/4																4.0
2M	36		1 5/8	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
3	36		1 5/8	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
4	36		1 5/8	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
5	48		2 1/4	3/4	1	12	10	8	9	10 1/4	17 5/8																16.0

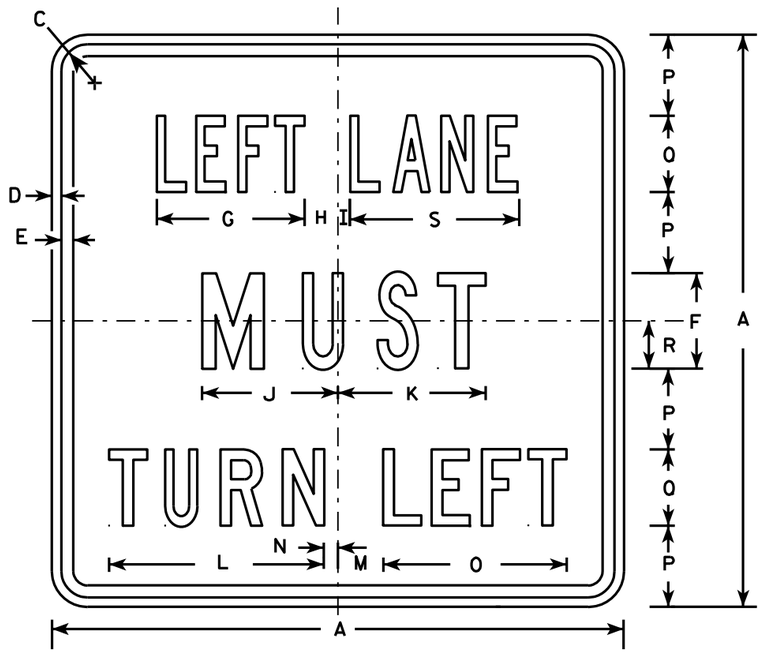
STANDARD SIGN
R3-3

WISCONSIN DEPT OF TRANSPORTATION

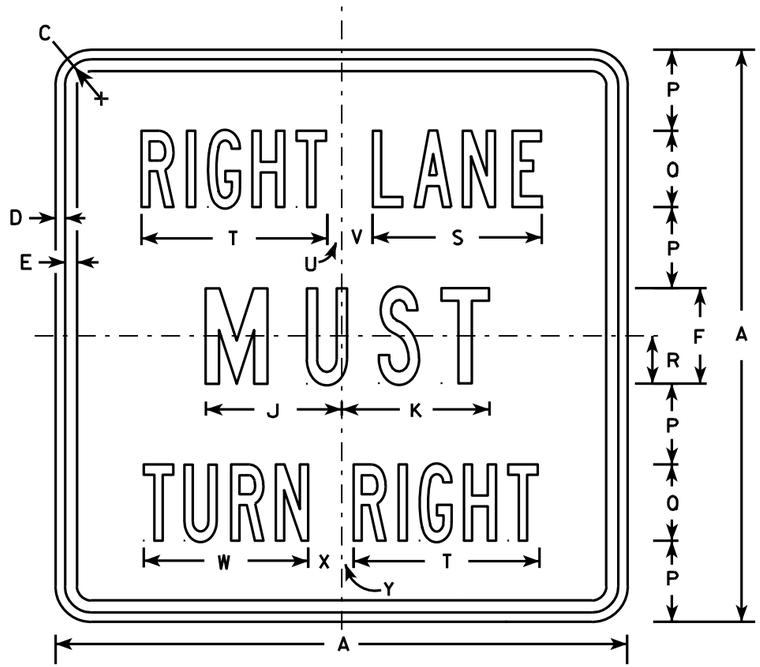
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-3.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 156 | E



R3-7L



R3-7R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

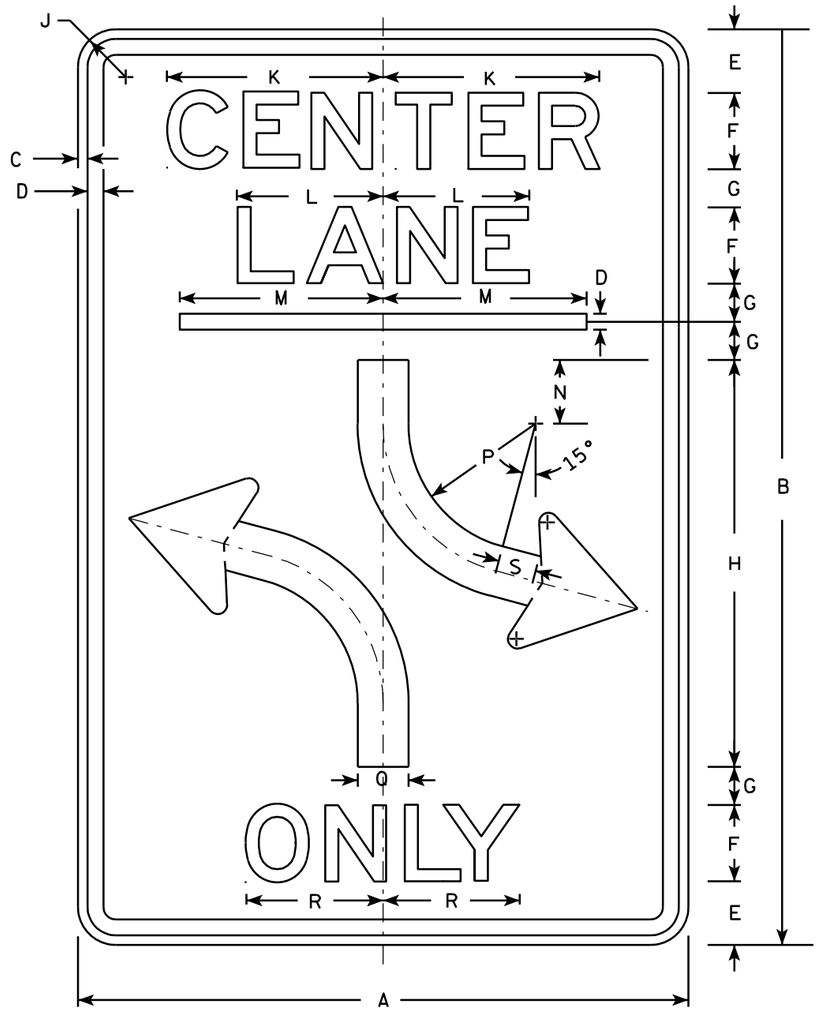
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

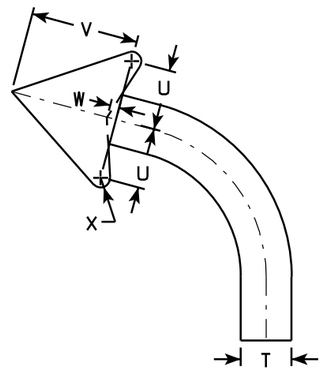
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 157 | E



R3-9B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	3/8	1/2	2 1/2	3	1 1/2	16		1 1/2	8 1/2	5 3/4	8	2 1/2		6	2	5 1/8	1 1/2		2 3/8	4 3/8	3/8				6.0
2M	24	36	3/8	1/2	2 1/2	3	1 1/2	16		1 1/2	8 1/2	5 3/4	8	2 1/2		6	2	5 1/8	1 1/2		2 3/8	4 3/8	3/8				6.0
3	36	48	5/8	7/8	3 1/2	5	1 1/2	20		2 1/4	14 1/8	9 1/2	12	3		4	3	9 7/8	2		3 1/2	6 1/8	1/2				12.0
4																											
5																											

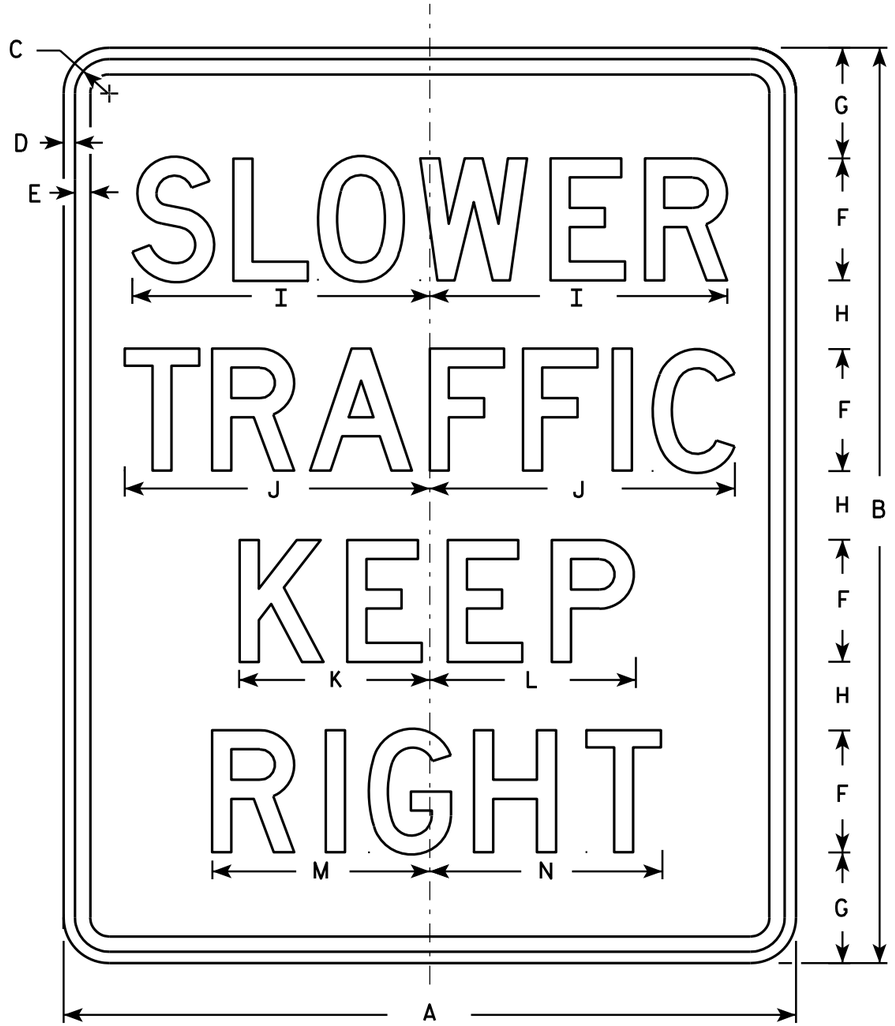
STANDARD SIGN
R3-9B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-9B.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 158 | E



R4-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
2M	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
3	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
4	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
5	48	60	2 1/4	3/4	1	8	7 1/4	4 1/2	19 1/2	20	12 1/2	13 1/2	14 1/4	15 1/4													20.0

STANDARD SIGN
R4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-3.8

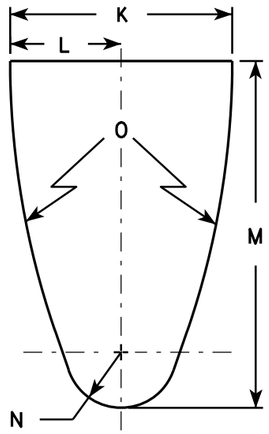
PROJECT NO: | SHEET NO: 159 | E

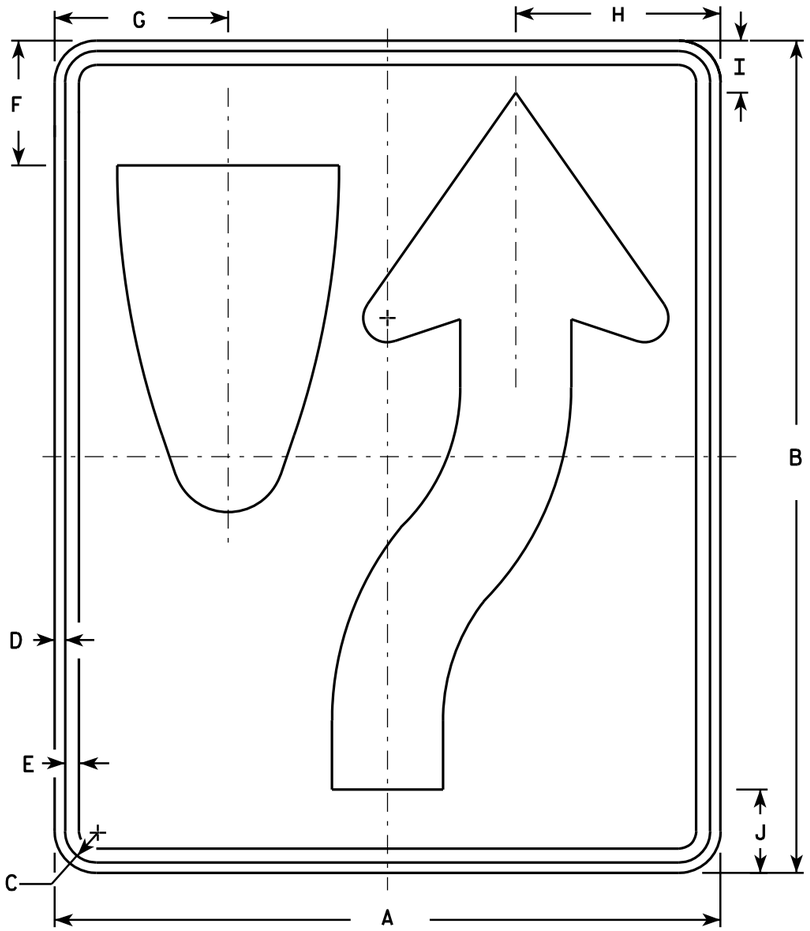
FILE NAME : C:\Users\PROJECTS\tr_stdplate\R43.DGN PLOT DATE : 25-MAR-2011 13:40 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

7

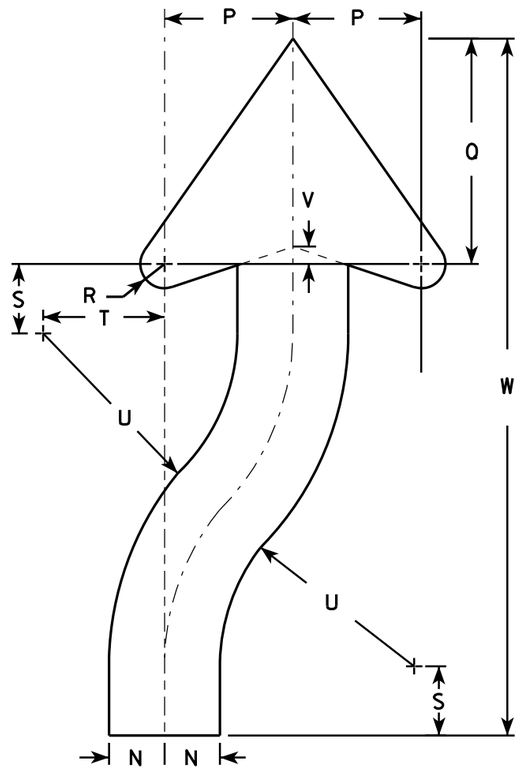




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

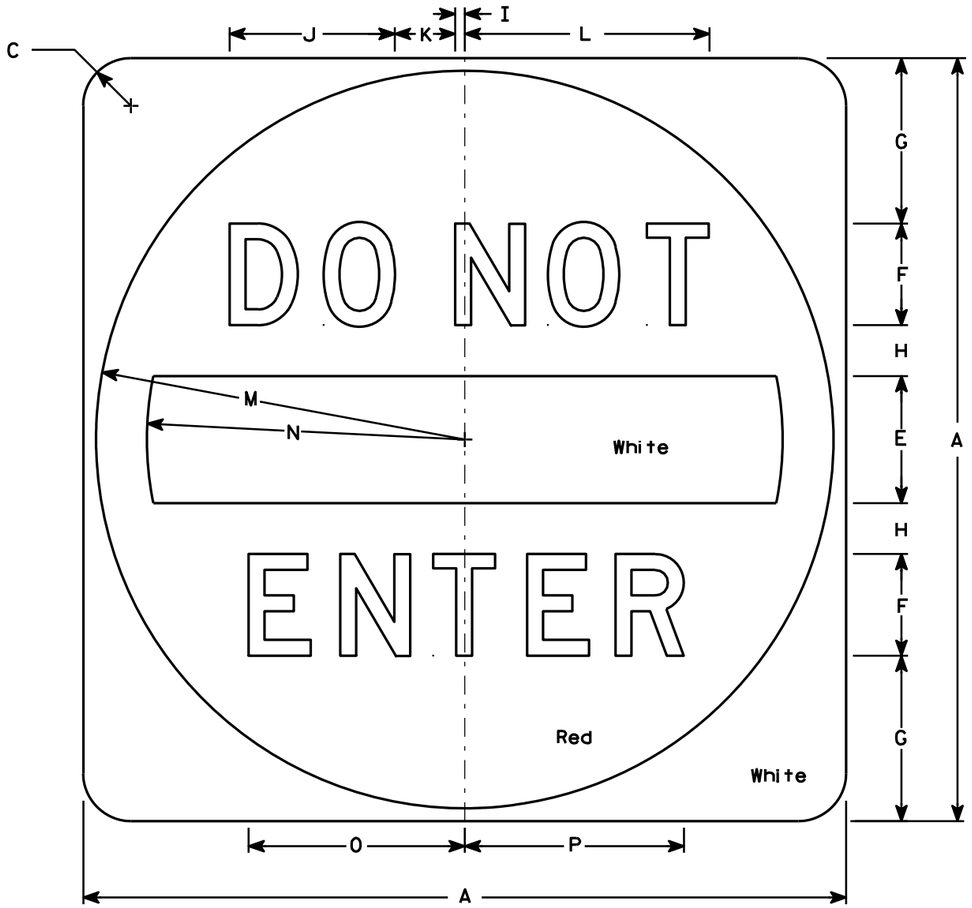
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 160	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

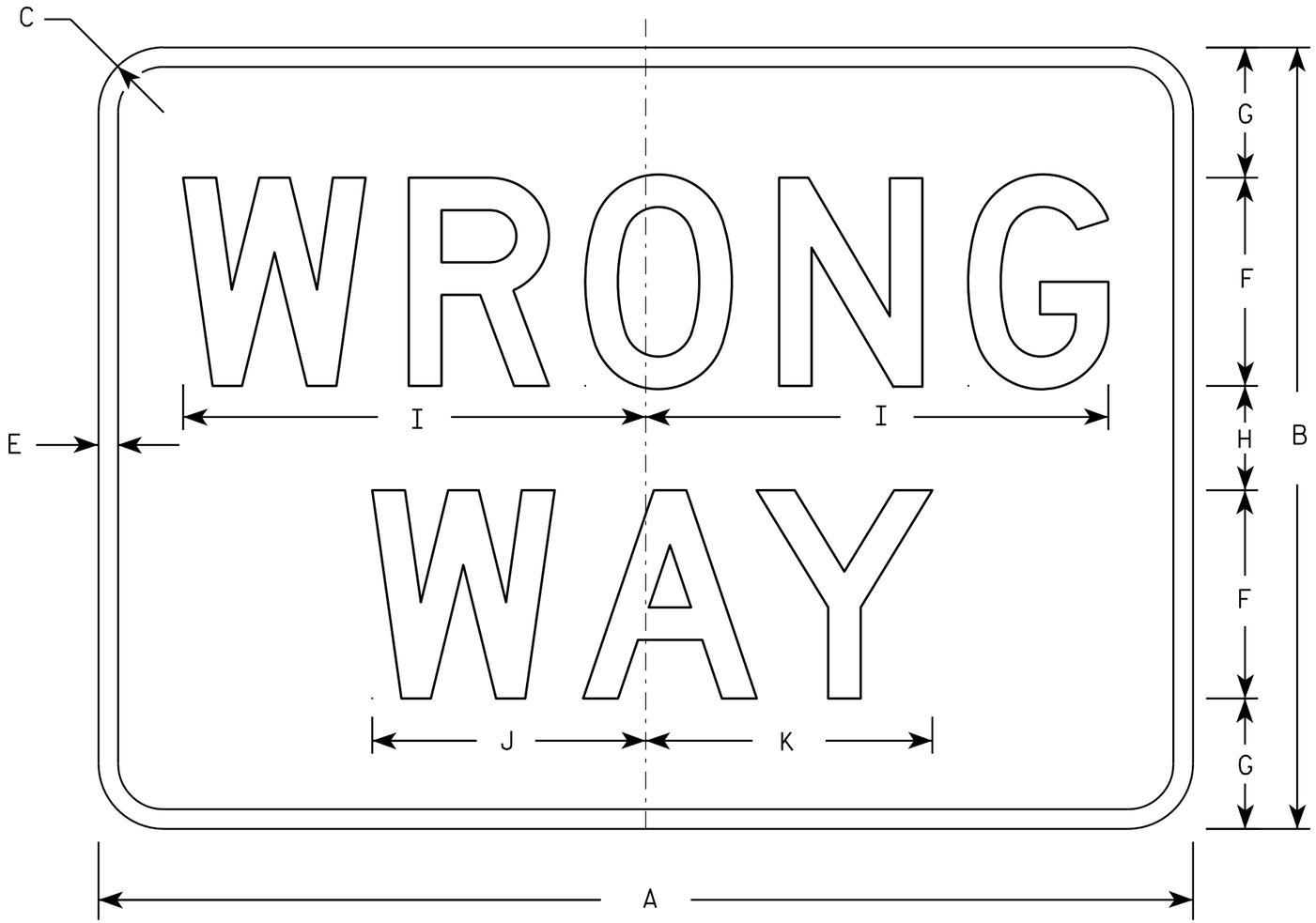
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 161 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

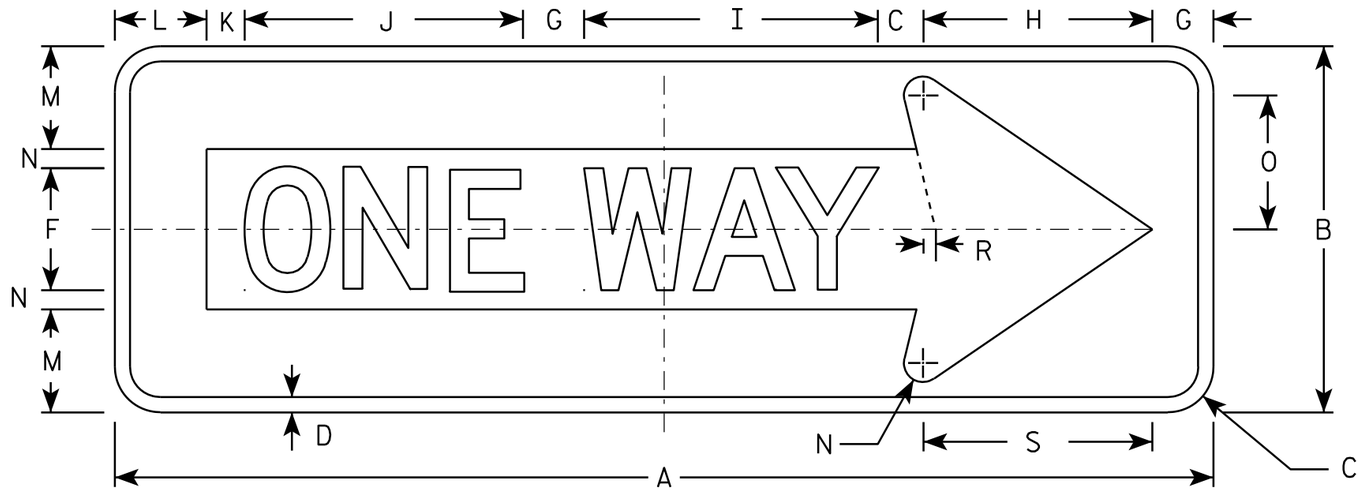
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

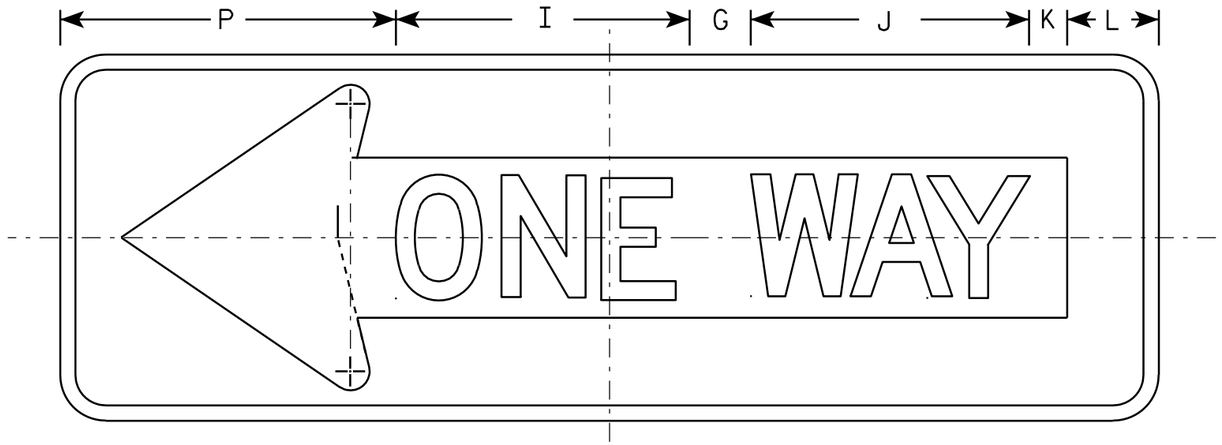
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 162 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½								3.0
2M	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
3	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
4	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
5																											

STANDARD SIGN
R6-1 L & R

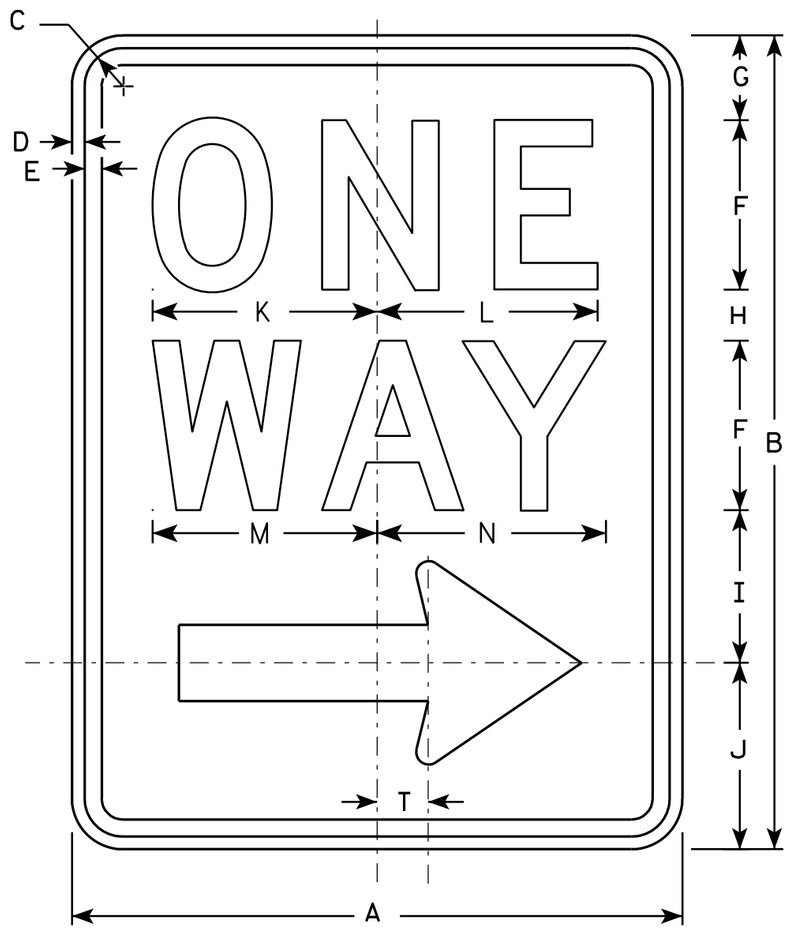
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R6-1.2

PROJECT NO:

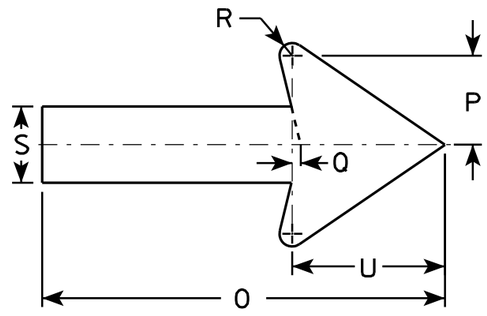
SHEET NO: 163 E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

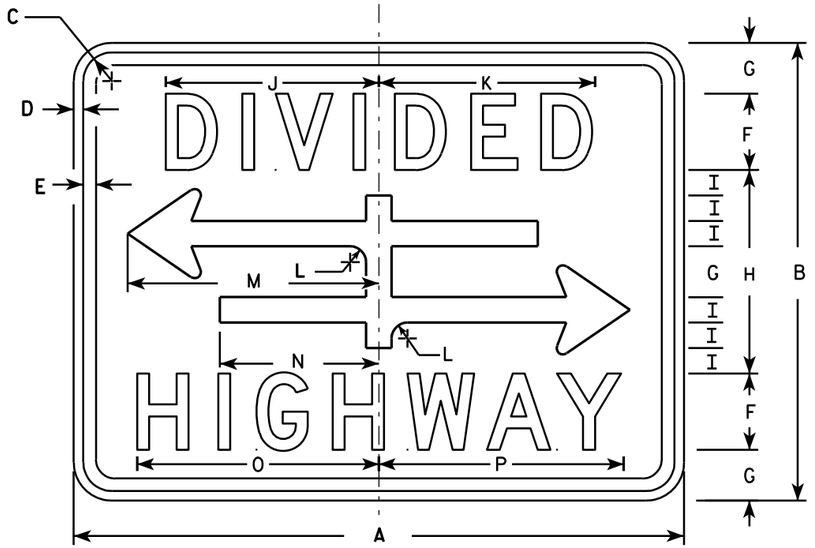
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

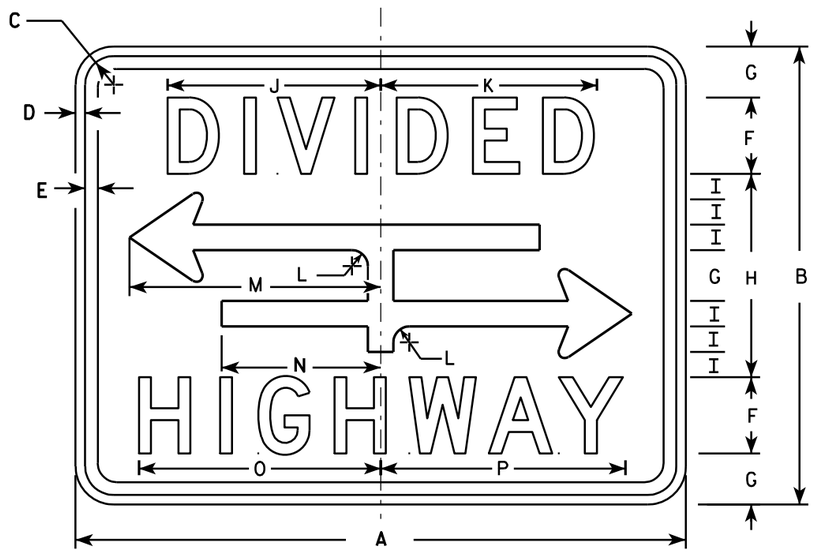
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 164	E



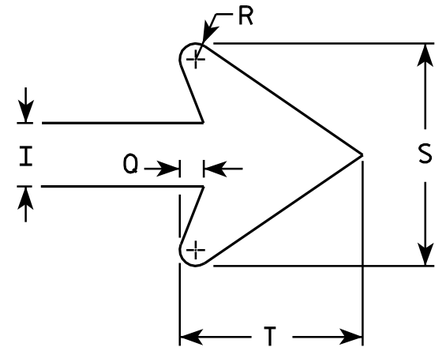
R6-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

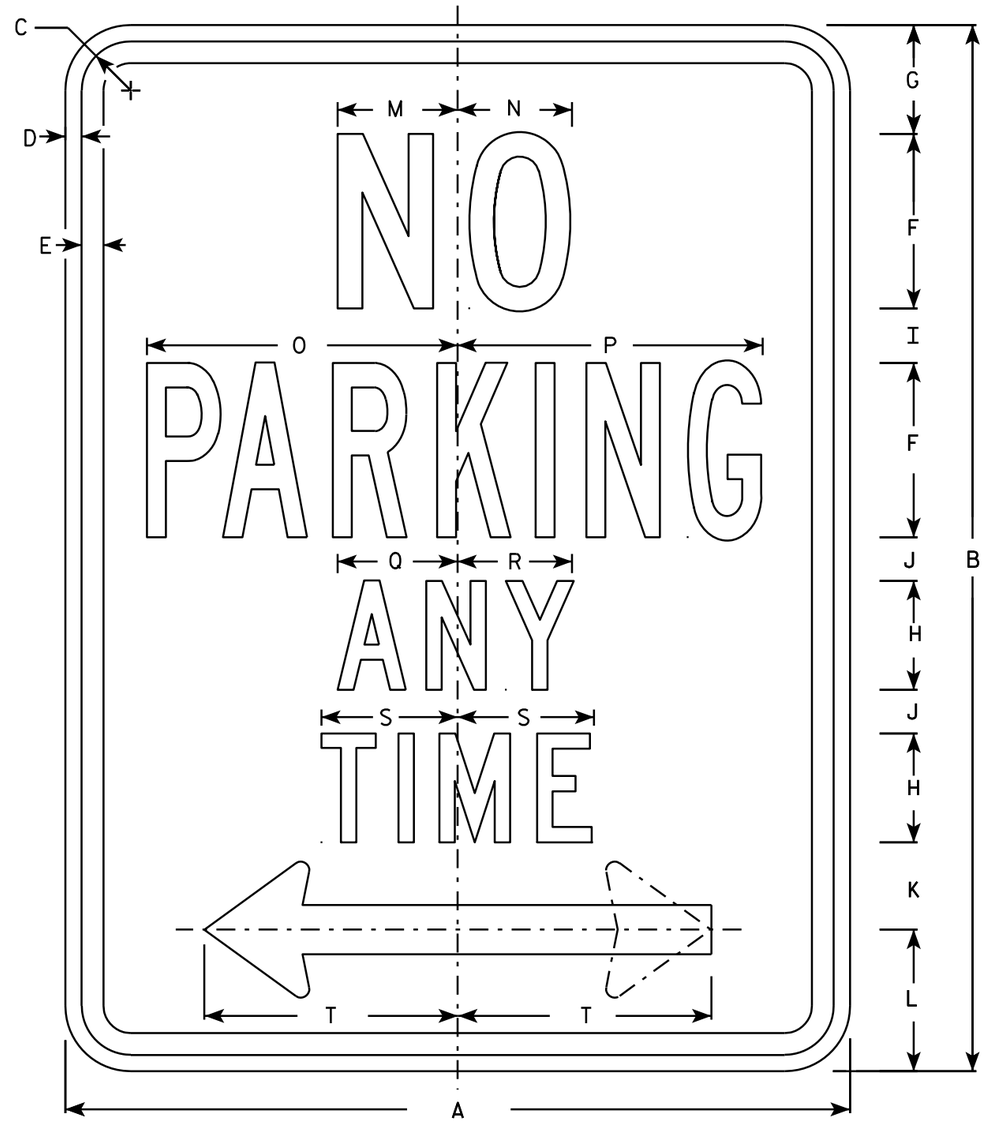
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

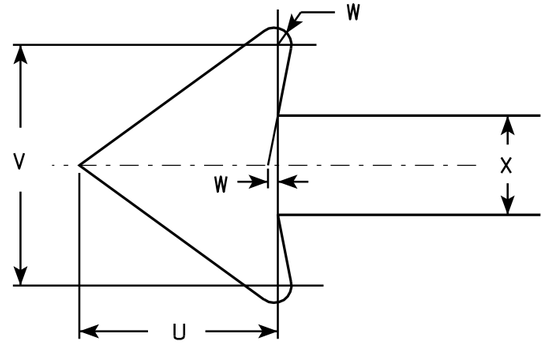
SHEET NO: 165 E



R7-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

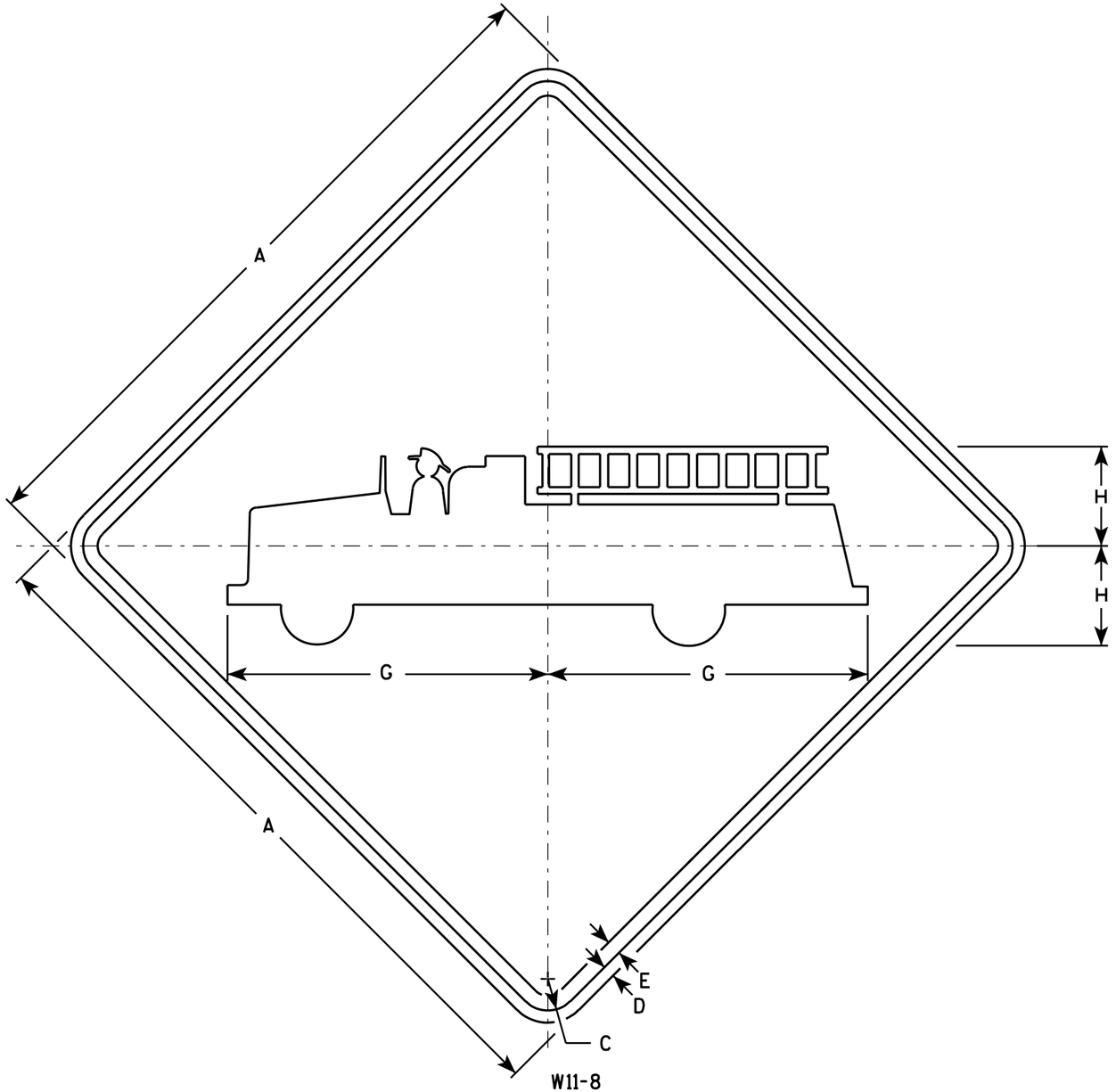
STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 166	E



W11-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		11	3 3/8																			4.0
2S	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
2M	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
3	36		1 5/8	5/8	3/4		16 1/2	5 1/4																			9.0
4	48		2 1/4	3/4	1		22	7																			16.0
5																											

STANDARD SIGN
W11-8

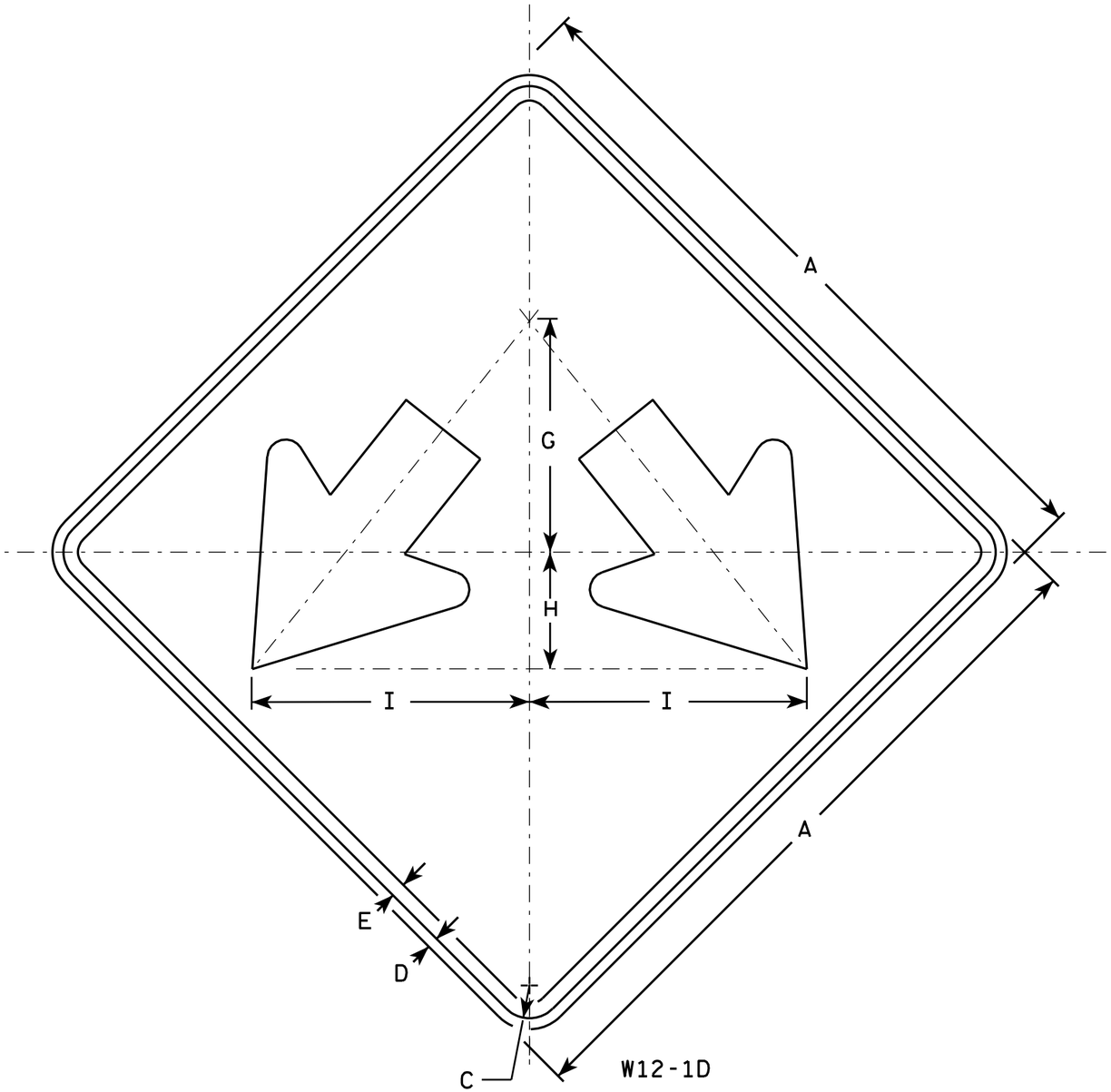
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W11-8.7

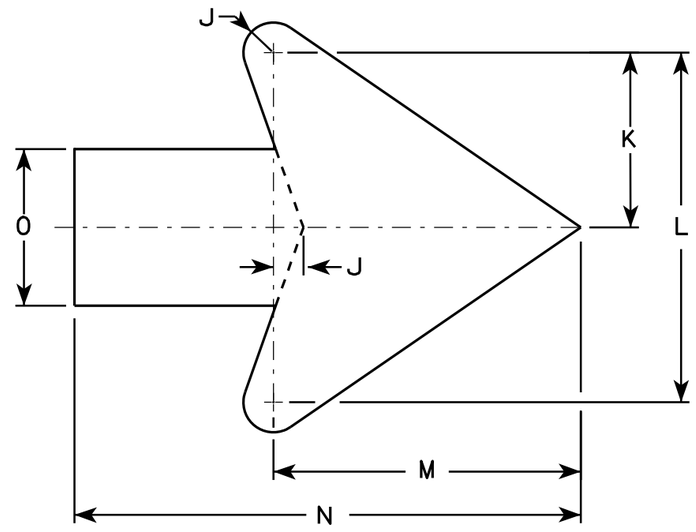
PROJECT NO:

SHEET NO: 167 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

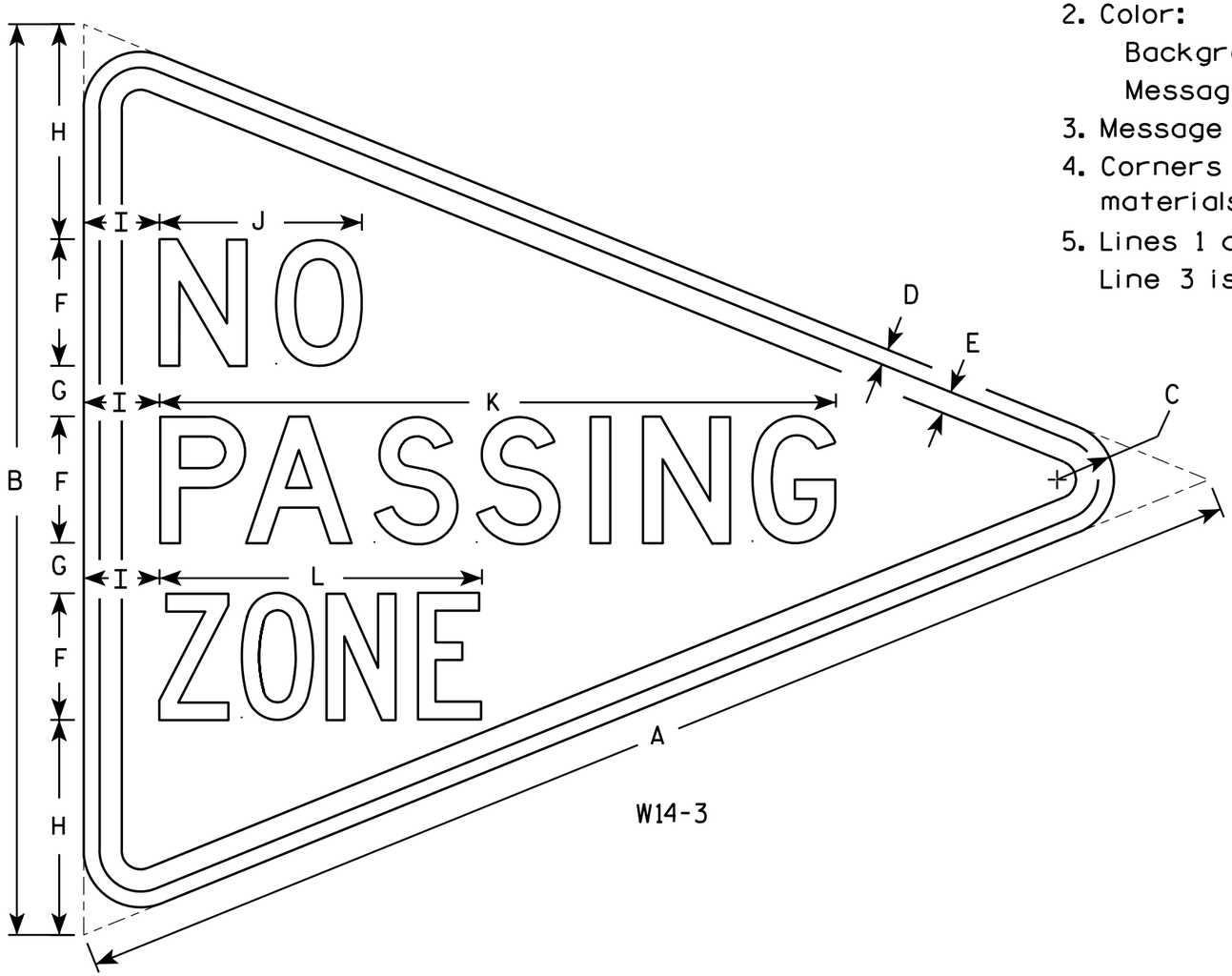
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 168	E

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See note 5
4. Corners and borders shall be rounded on all base materials for this sign.
5. Lines 1 and 2 are Series D.
   Line 3 is series C.



W14-3

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
2M	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
3	64	48	3	3/4	1 1/4	6	3	12	4	10 3/4	33 5/8	16 1/2															10.7
4																											
5																											

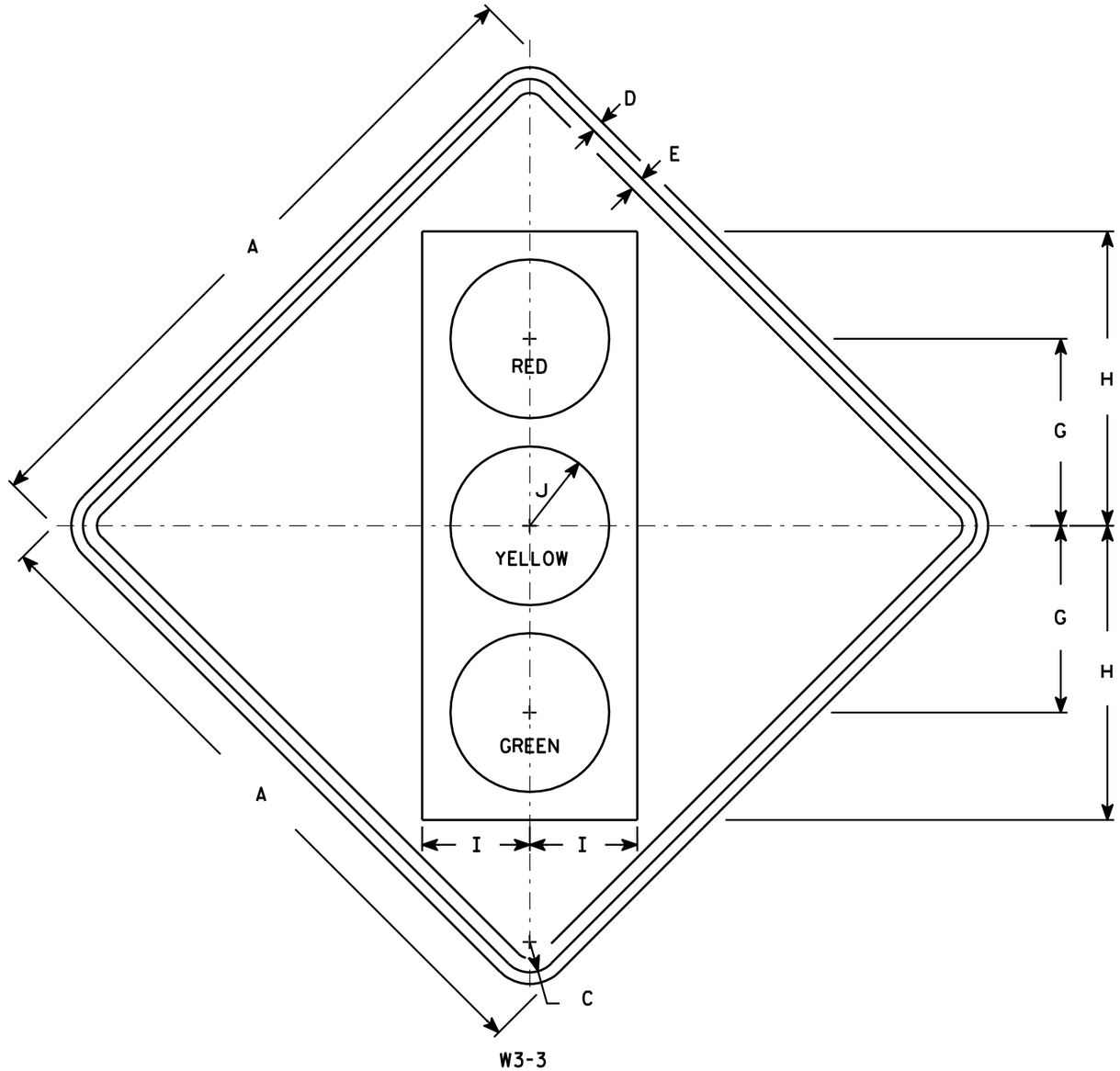
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W14-3.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 169	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

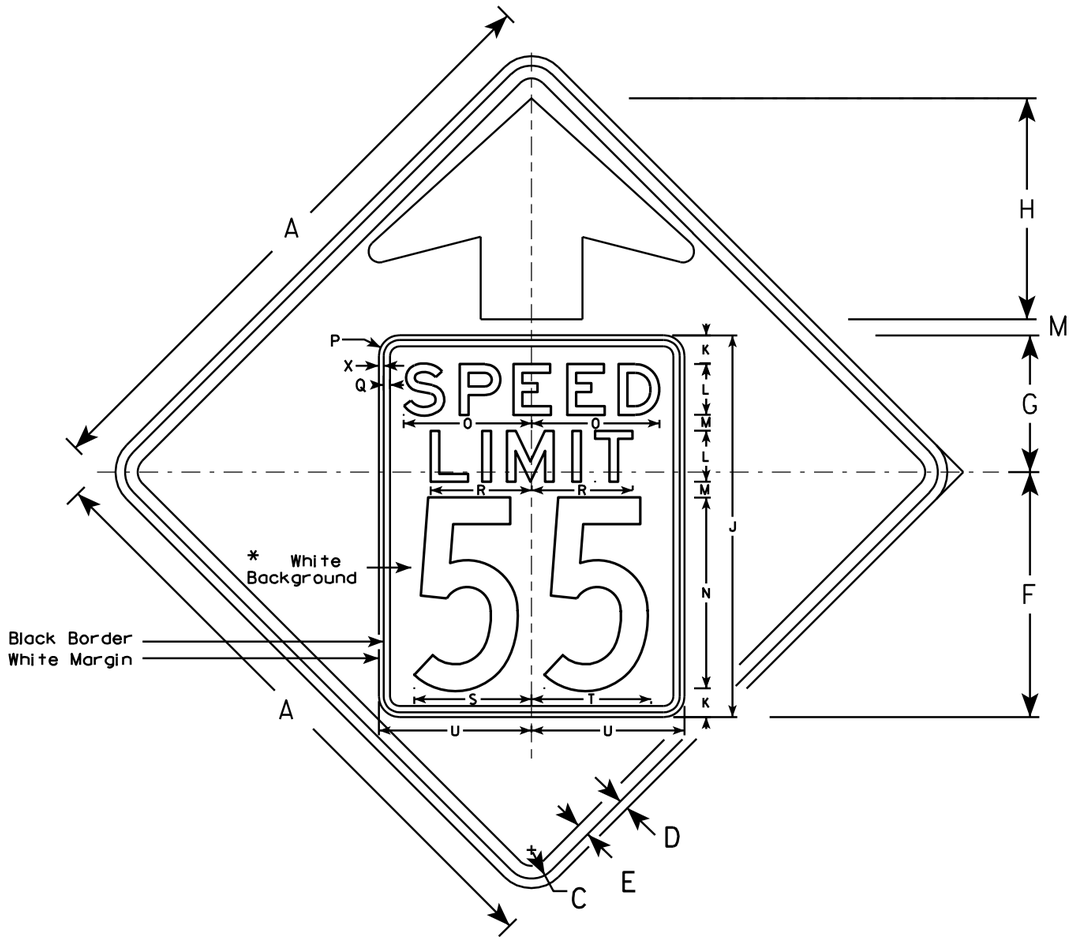
STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 170 | E

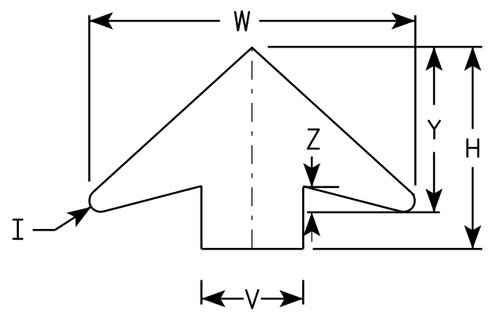


W3-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
   Background - YELLOW*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

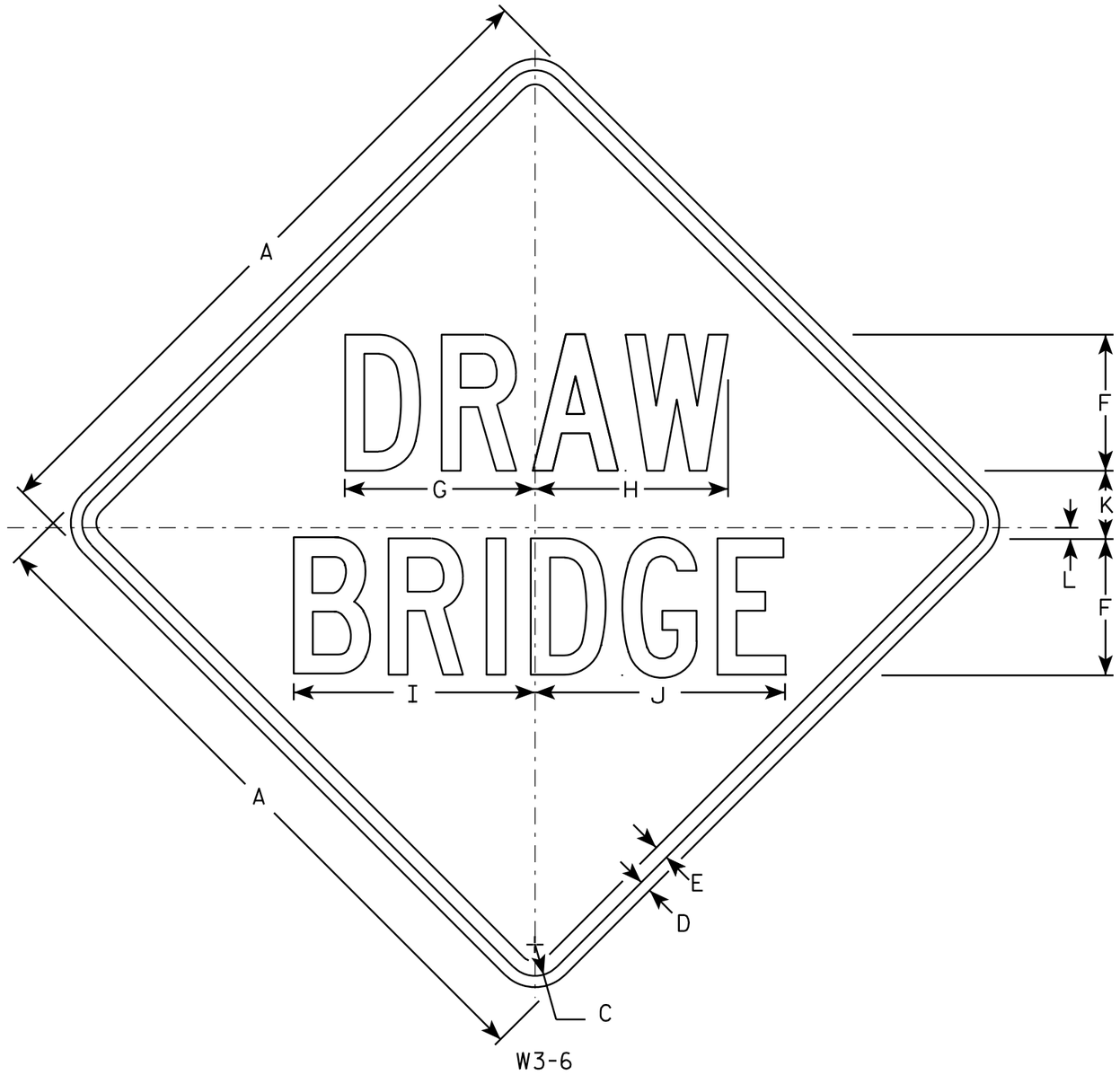
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

PROJECT NO:

SHEET NO: 171 E



W3-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6	8 3/8	8 1/2	10 5/8	11	3	1/2															6.25
2S	36		1 5/8	5/8	3/4	7	10 1/8	10	13 1/2	12 3/4	3 5/8	5/8															9.0
2M	36		1 5/8	5/8	3/4	7	10 1/8	10	13 1/2	12 3/4	3 5/8	5/8															9.0
3	48		2 1/4	3/4	1	10	14	14 1/8	17 3/4	18 1/4	4 3/4	3/4															16.0
4	48		2 1/4	3/4	1	10	14	14 1/8	17 3/4	18 1/4	4 3/4	3/4															16.0
5																											

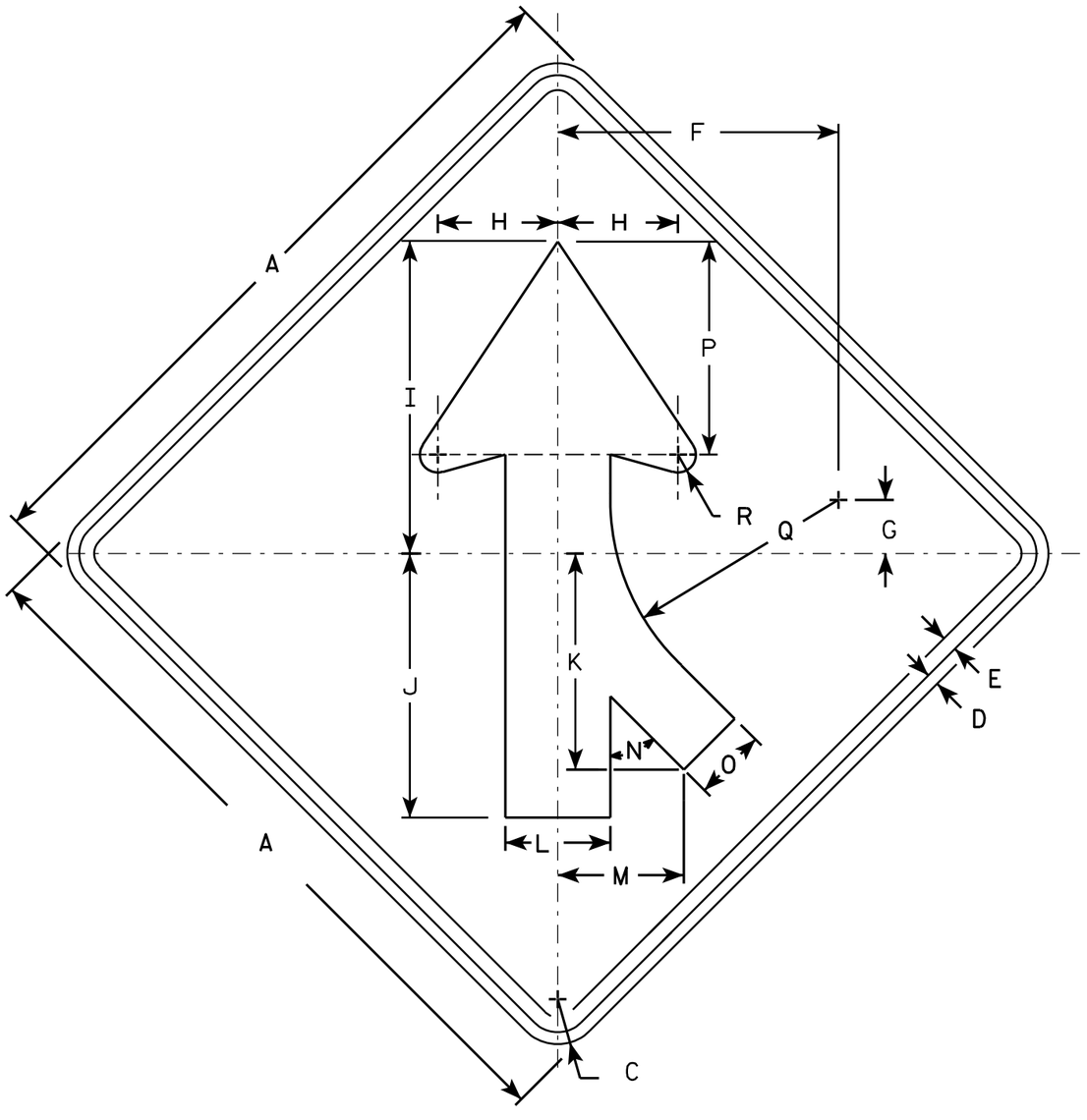
STANDARD SIGN
W3-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W3-6.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 172 | E



W4-1 R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-1L is the same as W4-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	11 5/8	2 1/2	5	13	11	9	4 3/8	5 1/4	45°	3	8 7/8	9 1/2	3/4									6.25
2S	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2M	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
3	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

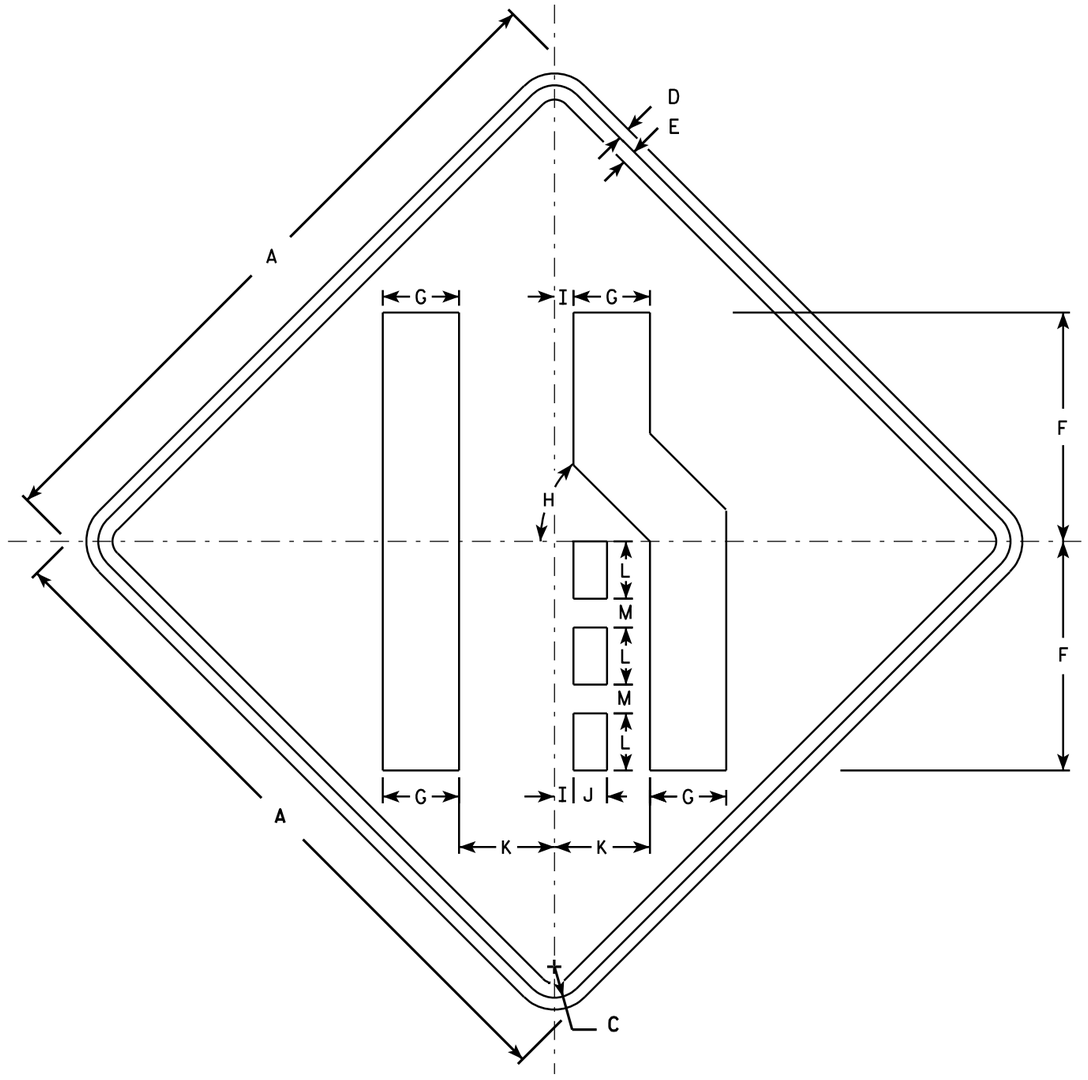
STANDARD SIGN
W4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rausch for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 173	E



W4-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-2L is the same as W4-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W4-2

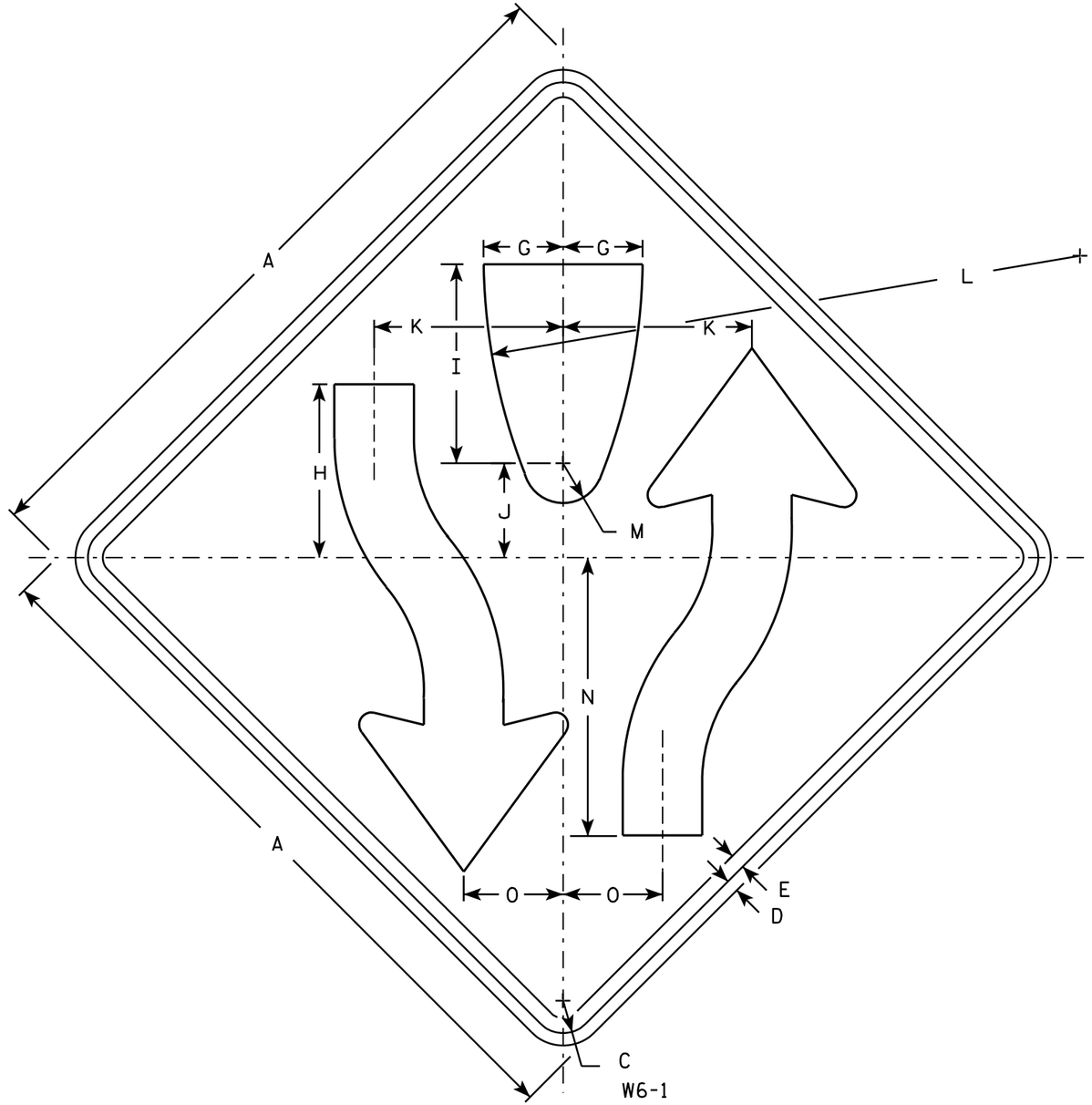
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/12/13 PLATE NO. W4-2.14

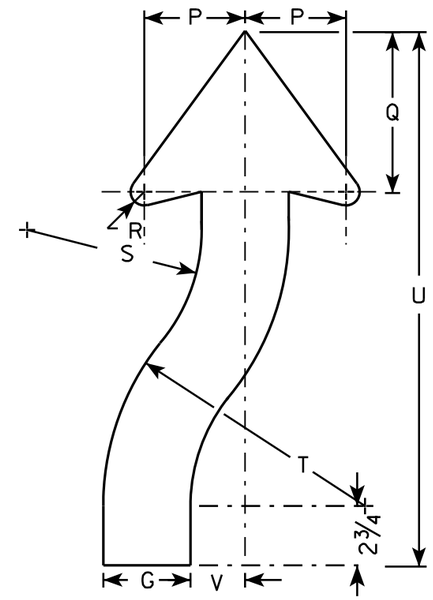
PROJECT NO:

SHEET NO: 174 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W6-2 same as W6-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 7/8	25	1 3/4	11 5/8	4 1/8	3 7/8	6 3/4	5/8	6 5/8	9 7/8	21 5/8	2					6.25
2S	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2M	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
3																											
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W6-1 & W6-2

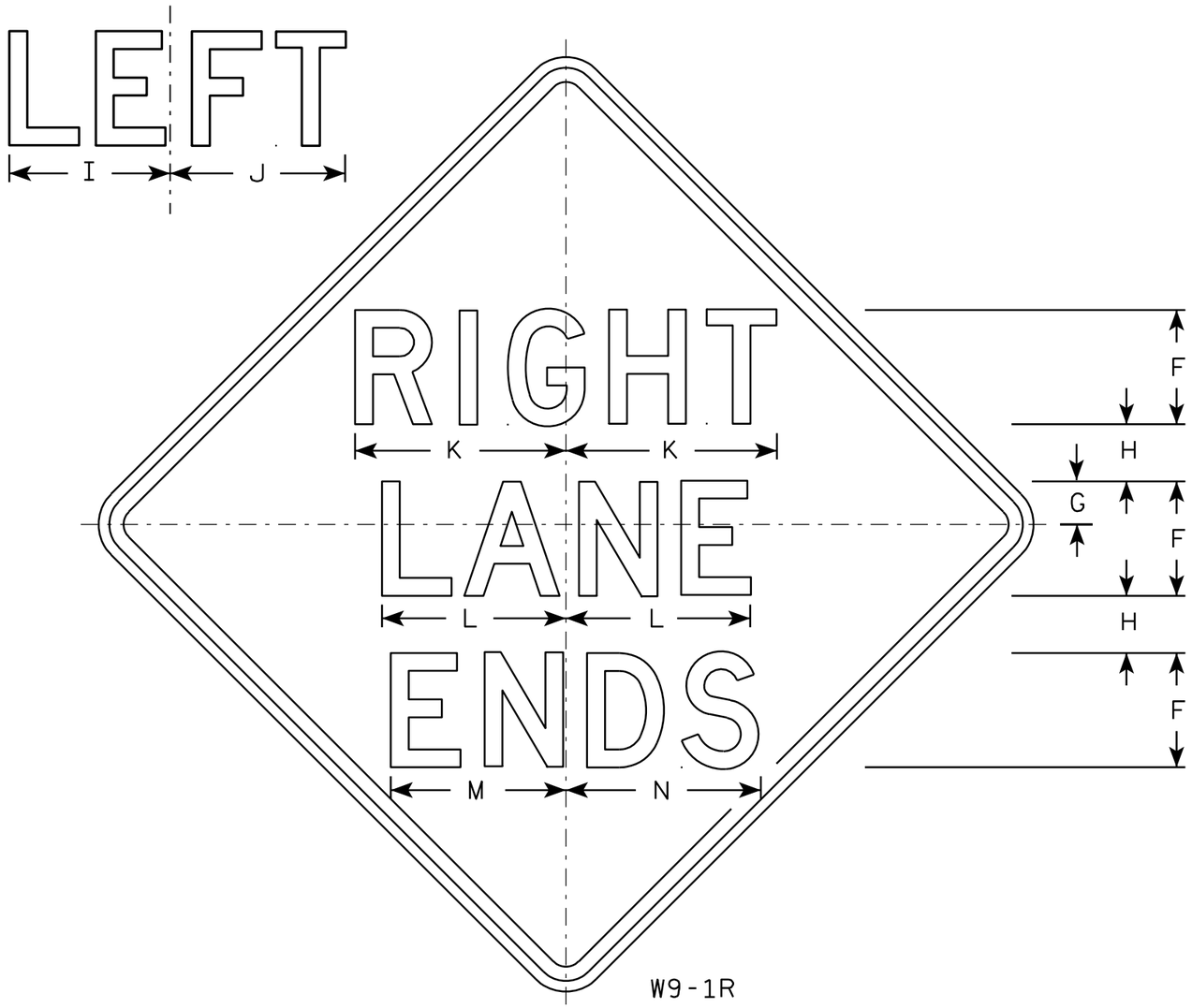
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W6-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 175	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W61.DGN PLOT DATE : 12-MAR-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.946657:1.000000
WISDOT/CADDS SHEET 42



W9-1R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. W9-1L same as W9-1R except the word Left replaces Right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	1 1/2	2 1/2	7 1/8	7 5/8	9 1/4	8 1/8	7 5/8	8 5/8													6.25
2S	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
2M	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
3	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
4	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
5	48		2 1/4	3/4	1	8	3	4	11 1/4	12 1/4	14 3/4	12 7/8	12 1/4	13 5/8													16.0

STANDARD SIGN
W9-1

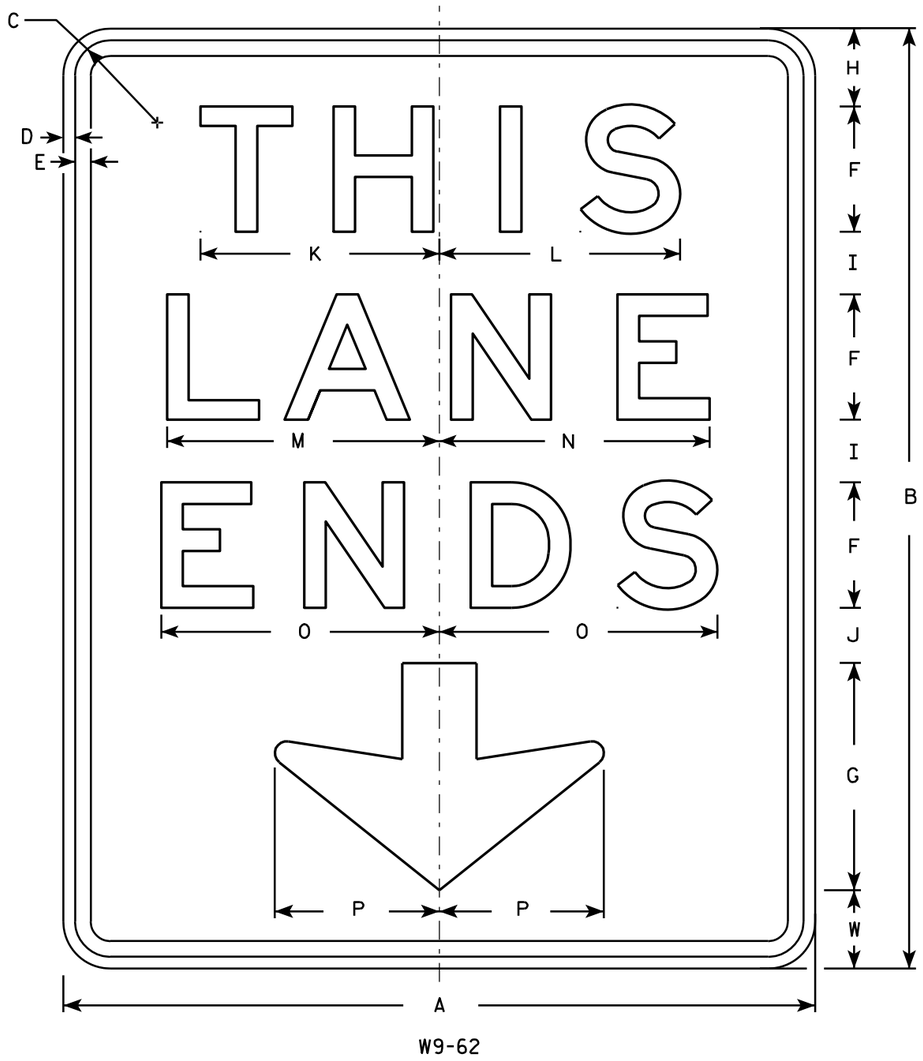
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 03/18/13 PLATE NO. W9-1.8

PROJECT NO:

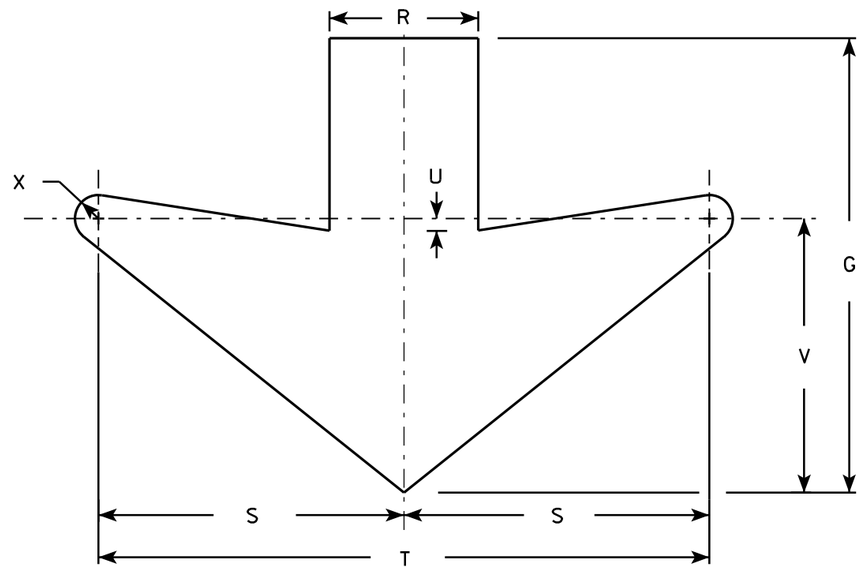
SHEET NO: 176 E



W9-62

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	48	60	2 1/4	3/4	1	8	14 1/2	5	4	3 1/2	15 1/4	15 3/8	17 3/8	17 1/4	17 3/4	10 1/2		4 3/4	9 3/4	19 1/2	3/4	8 3/4	5	3/4			20.0
2S	48	60	2 1/4	3/4	1	8	14 1/2	5	4	3 1/2	15 1/4	15 3/8	17 3/8	17 1/4	17 3/4	10 1/2		4 3/4	9 3/4	19 1/2	3/4	8 3/4	5	3/4			20.0
2M	48	60	2 1/4	3/4	1	8	14 1/2	5	4	3 1/2	15 1/4	15 3/8	17 3/8	17 1/4	17 3/4	10 1/2		4 3/4	9 3/4	19 1/2	3/4	8 3/4	5	3/4			20.0
3																											
4	72	90	6	1	1 1/2	12	22	8	6	5	23	23	26 1/8	26 1/8	26 5/8	16		6 1/2	15	30	2	15	7	1			45.0
5	72	90	6	1	1 1/2	12	22	8	6	5	23	23	26 1/8	26 1/8	26 5/8	16		6 1/2	15	30	2	15	7	1			45.0

STANDARD SIGN
W9-62

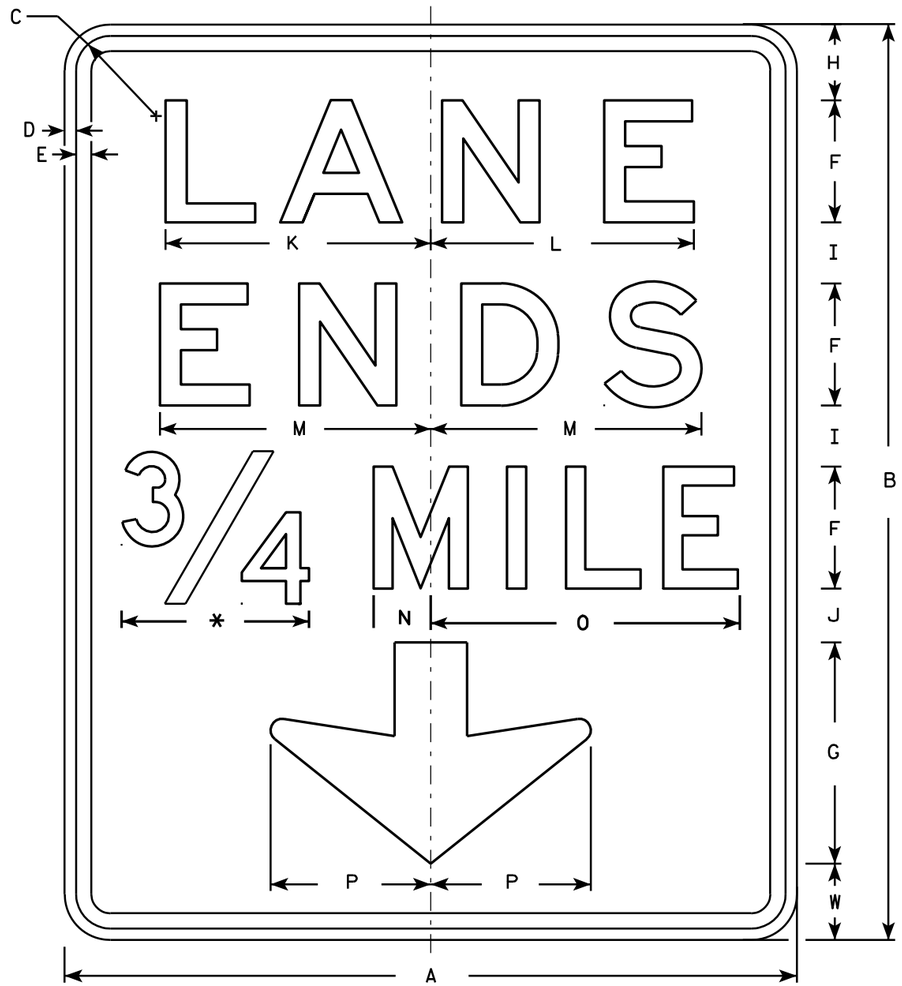
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W9-62.9

PROJECT NO:

SHEET NO: 177 E

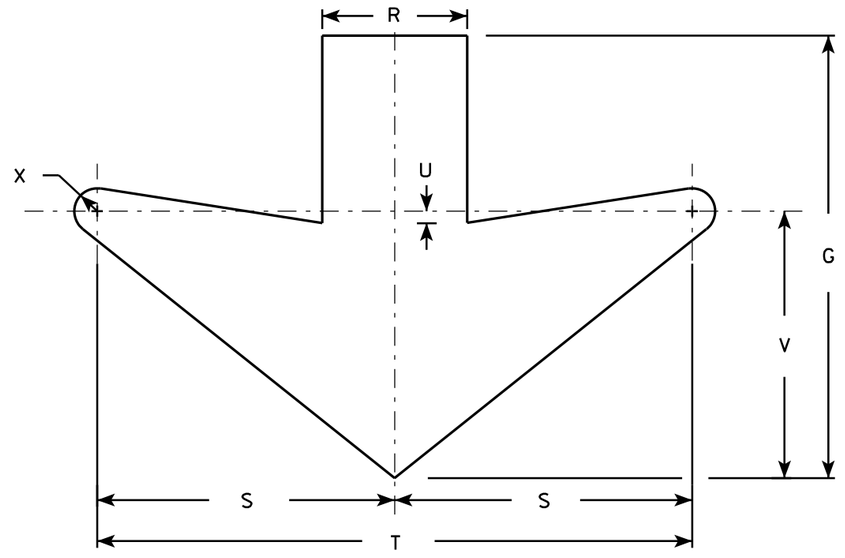


W9-63

* See Note 6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background -Yellow
   Message - Black non-reflective
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series E, Line 3 is Series D.
6. Substitute appropriate numerals and optically adjust spacing to give proper balance.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	48	60	2 1/4	3/4	1	8	14 1/2	5	4	3 1/2	17 3/8	17 1/4	17 3/4	3 3/4	20 1/4	10 1/2		4 3/4	9 3/4	19 1/2	3/4	8 3/4	5	3/4			20.0
2S	48	60	2 1/4	3/4	1	8	14 1/2	5	4	3 1/2	17 3/8	17 1/4	17 3/4	3 3/4	20 1/4	10 1/2		4 3/4	9 3/4	19 1/2	3/4	8 3/4	5	3/4			20.0
2M	48	60	2 1/4	3/4	1	8	14 1/2	5	4	3 1/2	17 3/8	17 1/4	17 3/4	3 3/4	20 1/4	10 1/2		4 3/4	9 3/4	19 1/2	3/4	8 3/4	5	3/4			20.0
3																											
4	72	90	6	1	1 1/2	12	22	8	6	5	26 1/8	26 1/8	26 5/8	5 5/8	30 3/8	16		6 1/2	15	30	2	15	7	1			45.0
5	72	90	6	1	1 1/2	12	22	8	6	5	26 1/8	26 1/8	26 5/8	5 5/8	30 3/8	16		6 1/2	15	30	2	15	7	1			45.0

STANDARD SIGN
W9-63

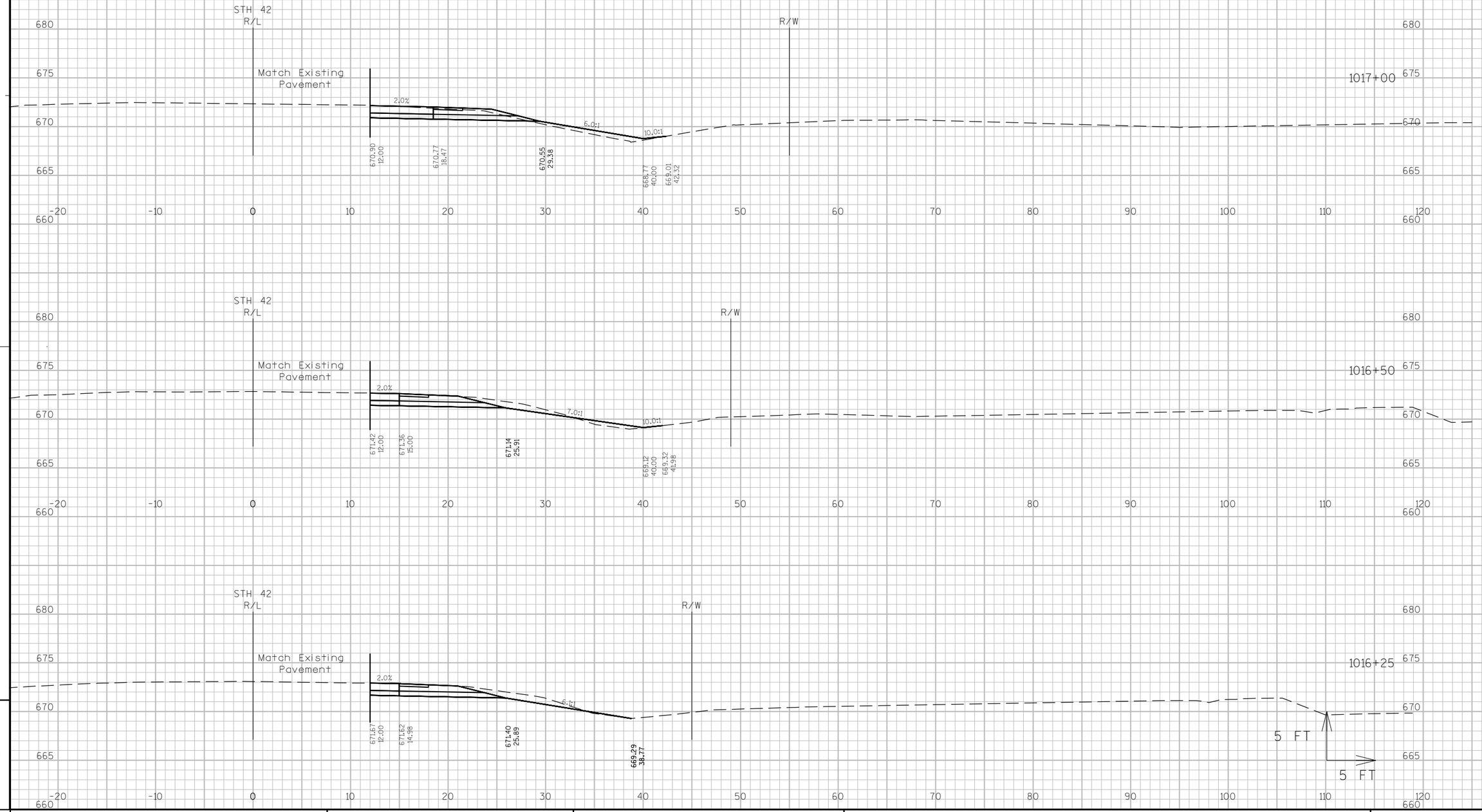
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W9-63.4

PROJECT NO:

SHEET NO: 178 E



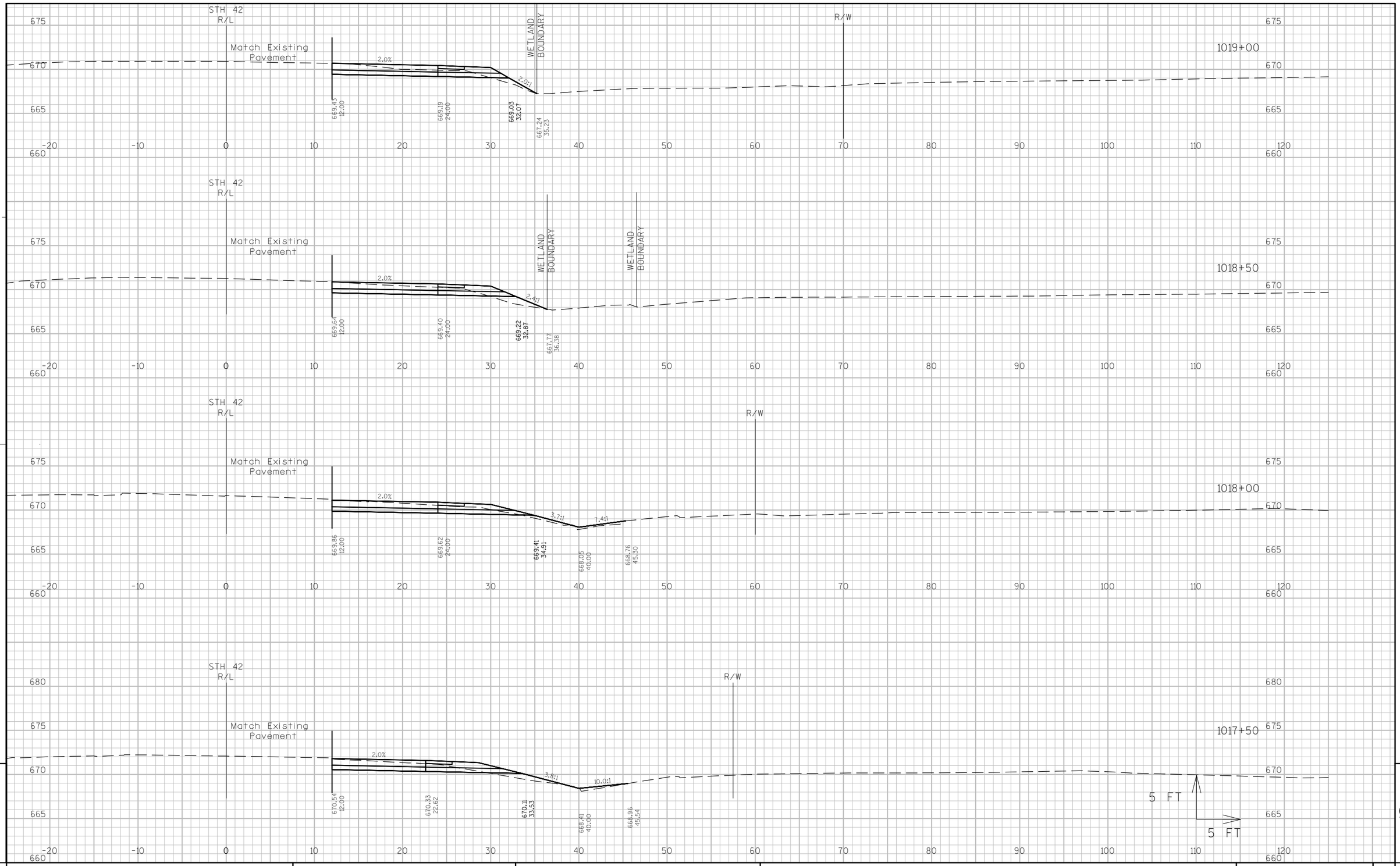
9

9

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/CTH MM	SHEET 179	E

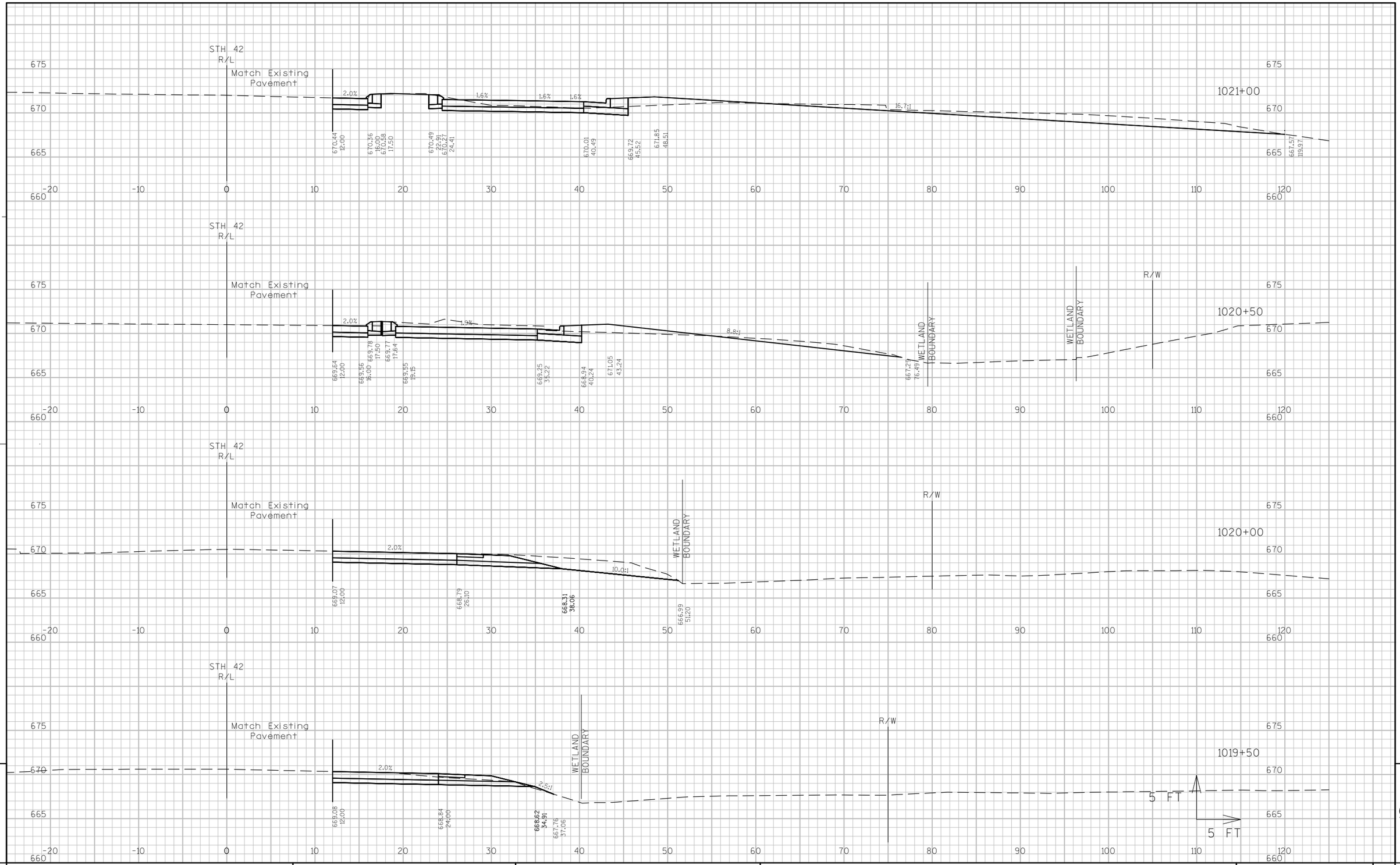
FILE NAME : F:\DOC_EXP\WIS-00015717-A0\CIVIL\SHEETSPLAN\090201_XS.DWG PLOT DATE : 1/27/2014 9:33 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/CTH MM	SHEET 180	E

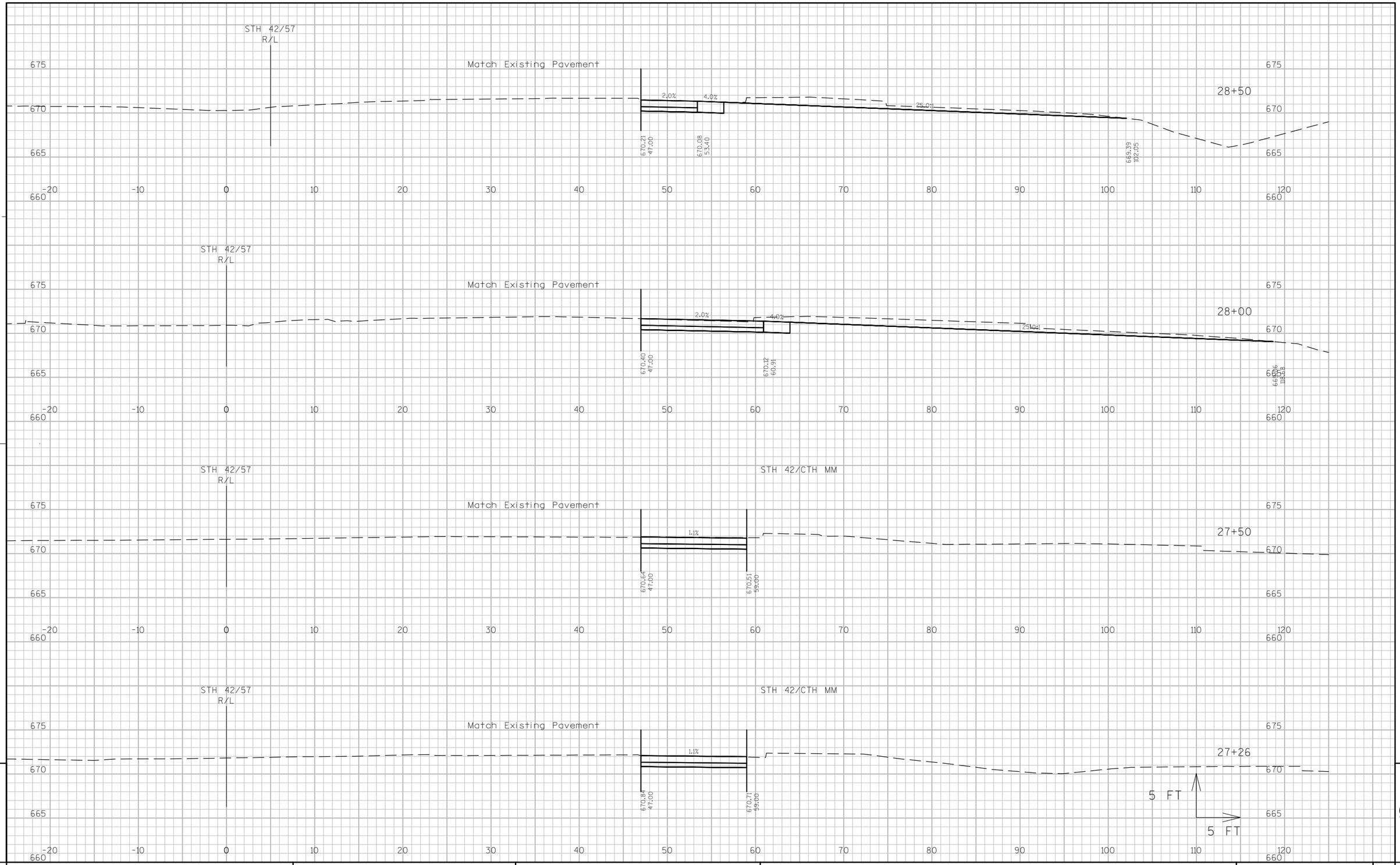
FILE NAME : F:\DOC_EXP\WIS-00015717-A0\CIVIL\SHEETSPLAN\090202_XS.DWG PLOT DATE : 1/27/2014 9:25 AM PLOT BY : AARON SCHRAMM PLOT NAME : ---------- PLOT SCALE : 1:10_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/CTH MM	SHEET 181	E

FILE NAME : F:\DOC_EXP\WIS-00015717-A0\CIVIL\SHEETSPLAN\090203_XS.DWG PLOT DATE : 1/27/2014 12:27 PM PLOT BY : AARON SCHRAMM PLOT NAME : ---------- PLOT SCALE : 1:10_XREF

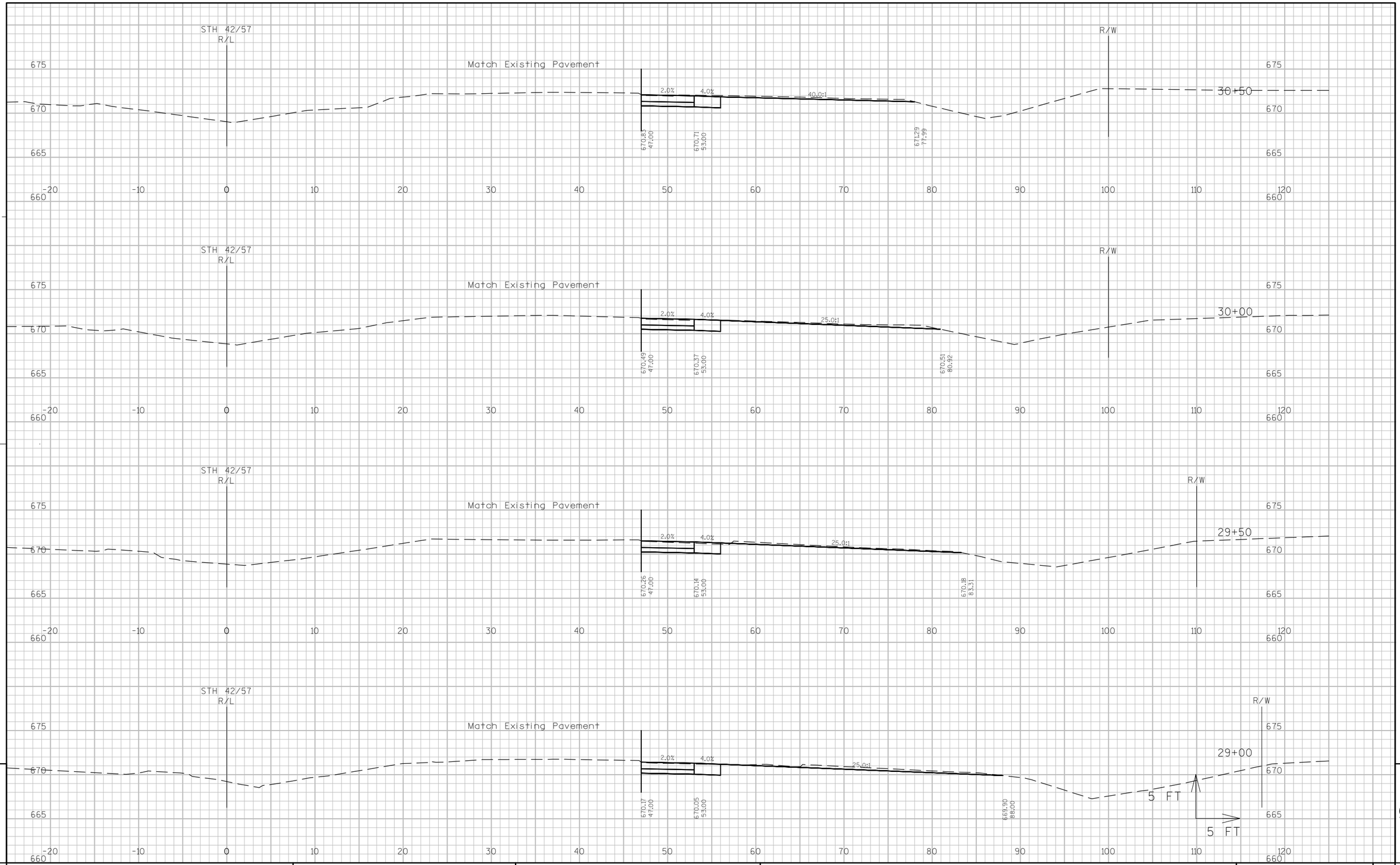
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57	SHEET 182	E

FILE NAME : F:\DOC_EXP\WIS-00015717-A0\CIVIL\SHEETSPLAN\090204_XS.DWG PLOT DATE : 1/24/2014 1:55 PM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49

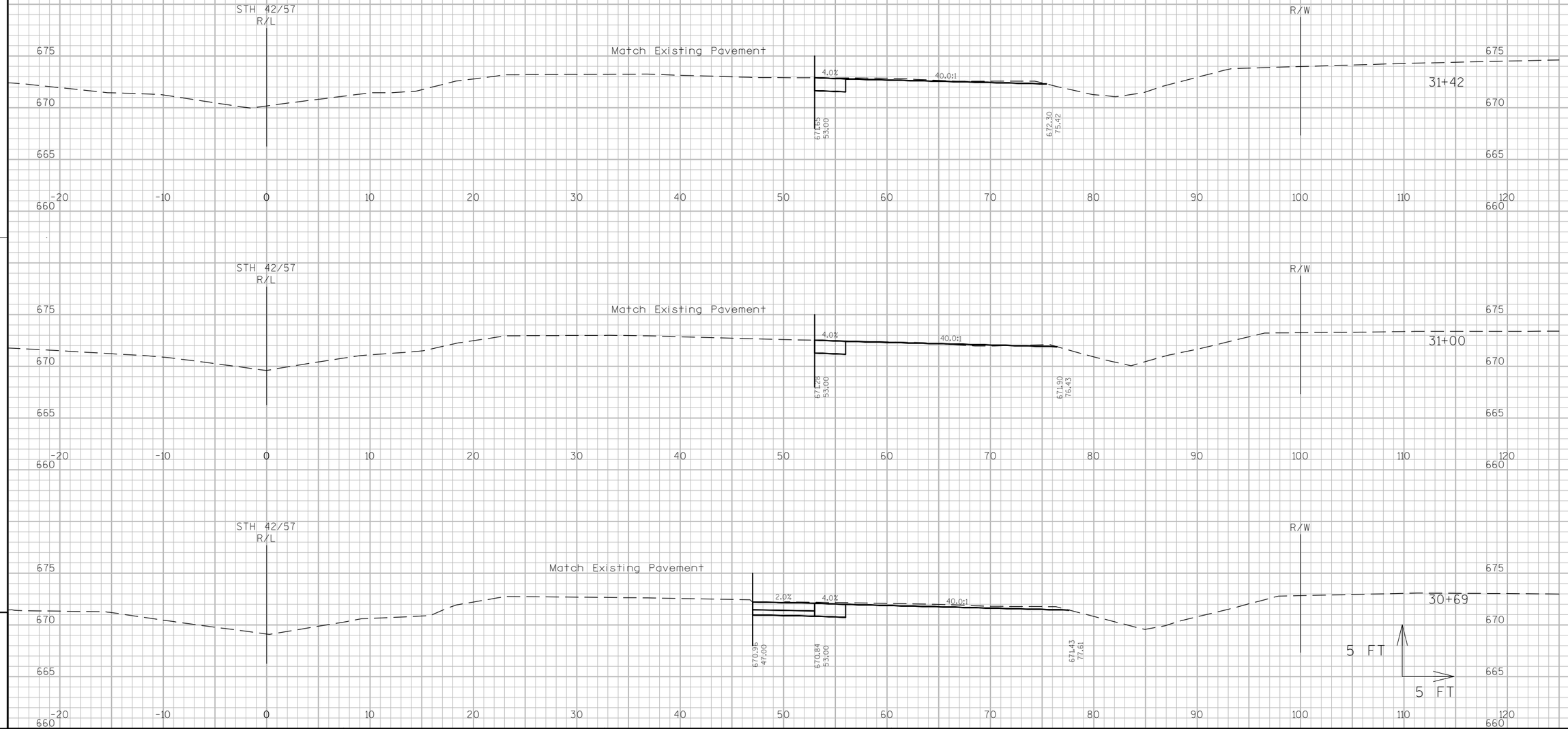


9

9

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57	SHEET	E

FILE NAME : F:\DOC_EXP\WIS-00015717-A0\CIVIL\SHEETSPLAN\090205_XS.DWG PLOT DATE : 1/24/2014 2:15 PM PLOT BY : AARON SCHRAMM PLOT NAME : ---------- PLOT SCALE : 1:10_XREF



9

9

PROJECT NO: 4140-20-72/4140-27-60	HWY: STH 42/57	COUNTY: DOOR	CROSS SECTIONS: STH 42/57	SHEET 184	E

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov