

EAU

PROJECT ID: 7170-01-70

COUNTY: BUFFALO

DEC 2015

ORDER OF SHEETS

- Section No. 1 Title
- Section No. 2 Typical Sections and Details
- Section No. 3 Estimate of Quantities
- Section No. 3 Miscellaneous Quantities
- Section No. 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 = 12



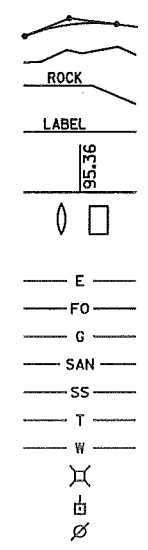
DESIGN DESIGNATION

A.A.D.T. 2016 = 3150
A.A.D.T. 2036 = 3500
D.H.V. = 375
D.D. = 60/40
T. = 22.1%
DESIGN SPEED = 60 MPH
ESALS = N/A

CONVENTIONAL SYMBOLS

- PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS
- MARSH AREA
- WOODED OR SHRUB AREA

- PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such)
- SPECIAL DITCH
- GRADE ELEVATION
- CULVERT (Profile View)
- UTILITIES
- ELECTRIC
- FIBER OPTIC
- GAS
- SANITARY SEWER
- STORM SEWER
- TELEPHONE
- WATER
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

WABASHA - DURAND

SPRING CREEK BRIDGE B-06-0122

STH 25
BUFFALO COUNTY

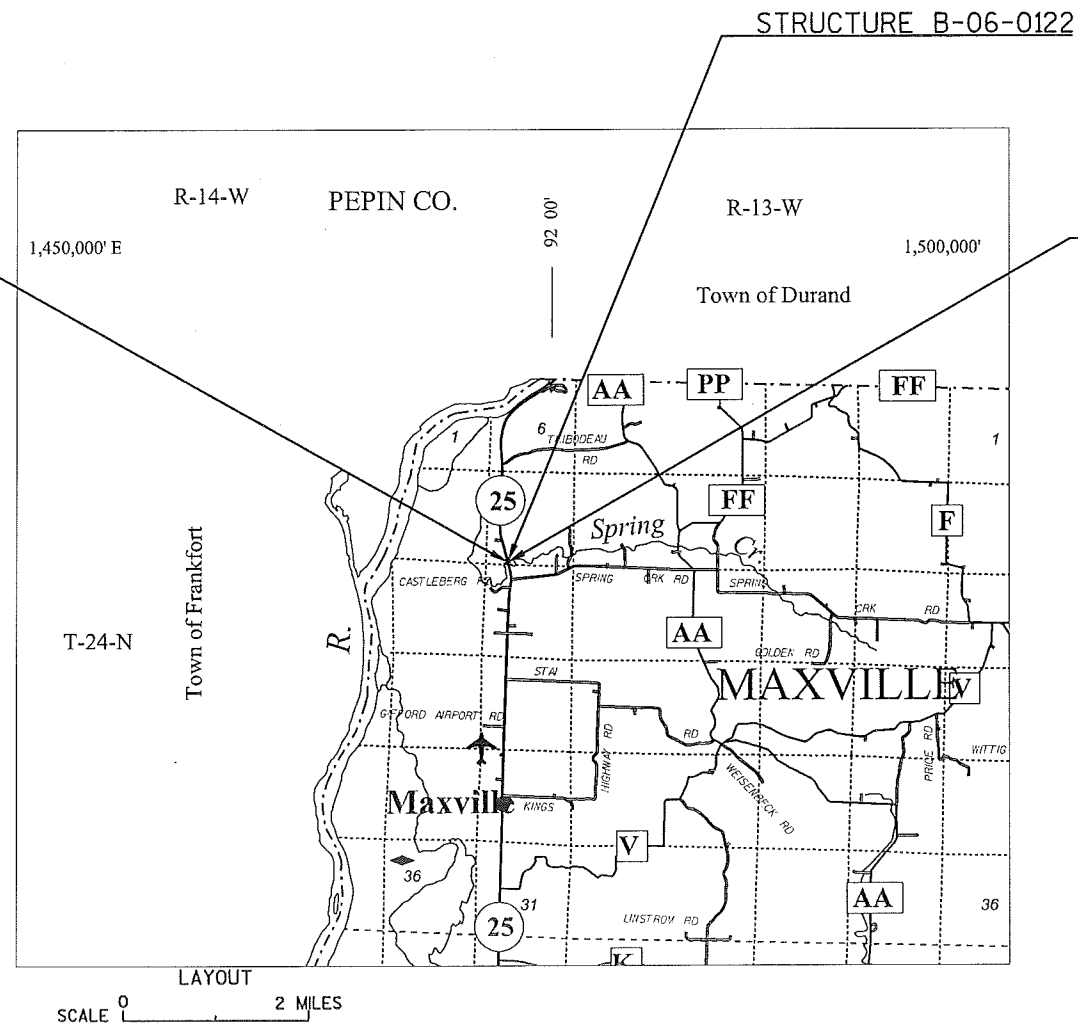
STATE PROJECT NUMBER
7170-01-70

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
7170-01-70		

BEGIN PROJECT
STA. 9+60.25

X = 519,807.00
Y = 396,154.00

END PROJECT
STA. 10+39.75



TOTAL NET LENGTH OF CENTERLINE = 0.015 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, BUFFALO COUNTY, NAD83 (1991), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	WISDOT
Designer	ADAM HETRICK
Project Manager	DAVID KOEPP
Regional Examiner	CHRISTINE KOSKI
Regional Supervisor	TIMOTHY MASON
APPROVED FOR THE DEPARTMENT	
DATE: 7/22/2015	(Signature)

LIST OF STANDARD ABBREVIATIONS

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

UTILITIES CONTACT

NELSON TELEPHONE COOPERATIVE (COMMUNICATION LINE)
DALE GOSS
318 3RD AVENUE WEST
P.O. BOX 228
DURAND, WI 54736
PHONE: (715) 672-4204
EMAIL: DALE@NELSON-TEL.NET

DIGGERS



HOTLINE

Dial  or (800)242-8511

www.DiggersHotline.com

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS, AND WORK NOT SHOWN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, STANDARD DETAILS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THERE ARE EXISTING UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA PRIOR TO BEGINNING WORK OPERATIONS TO CONFIRM ALL UTILITY LOCATIONS. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE. UTILITY FACILITIES WERE NOT FIELD LOCATED AND VERIFIED.

DESIGN CONTACT

ADAM HETRICK
WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTHWEST REGION - EAU CLAIRE OFFICE
718 WEST CLAIREMONT AVENUE
EAU CLAIRE, WI 54701
PHONE: (715) 836-2855
EMAIL: ADAM.HETRICK@DOT.WI.GOV

WISDOT - PROJECT MANAGER

DAVID KOEPP, P.E.
WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTHWEST REGION - EAU CLAIRE OFFICE
718 WEST CLAIREMONT AVENUE
EAU CLAIRE, WI 54701
PHONE: (715) 836-2078
EMAIL: DAVID.KOEPP@DOT.WI.GOV

WISDOT - STORMWATER

DAVID LARSON
WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTHWEST REGION - EAU CLAIRE OFFICE
718 WEST CLAIREMONT AVENUE
EAU CLAIRE, WI 54701
PHONE: (715) 836-2067
EMAIL: DAVID.LARSON@DOT.WI.GOV

WISCONSIN DNR - LIASON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
ATTN: KAREN KALVELAGE
ENVIRONMENTAL ANALYSIS AND REVIEW SPECIALIST
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
PHONE: (608) 785-9115
EMAIL: KAREN.KALVELAGE@WISCONSIN.GOV

DATE 06OCT15			E S T I M A T E O F Q U A N T I T I E S		
LINE					7170-01-70
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0020	213.0100	Finishing Roadway (project) 01.	EACH	1.000	1.000
		7170-01-70			
0060	509.5100.S	Polymer Overlay	SY	318.000	318.000
0070	619.1000	Mobilization	EACH	0.120	0.120
0090	643.0100	Traffic Control (project) 01.	EACH	1.000	1.000
0110	643.0300	Traffic Control Drums	DAY	280.000	280.000
0140	643.0715	Traffic Control Warning Lights Type C	DAY	140.000	140.000
0150	643.0900	Traffic Control Signs	DAY	140.000	140.000
0160	646.0106	Pavement Marking Epoxy 4-Inch	LF	320.000	320.000
0170	646.0600	Removing Pavement Markings	LF	320.000	320.000

FINISHING ROADWAY (7170-01-70)

CATEGORY	STATION	TO	STATION	LOCATION	213.0100 EACH	REMARKS
0010	9+60.25	-	10+39.75	STH 25	1	
TOTAL 0010					1	

MOBILIZATION

CATEGORY	STATION	TO	STATION	LOCATION	619.1000 EACH	REMARKS
0010	9+60.25	-	10+39.75	STH 25	0.03	TIED TO PROJECT 7880-07-70
TOTAL 0010					0.03	
0020	9+60.25	-	10+39.75	STH 25	0.09	TIED TO PROJECT 7880-07-70
TOTAL 0020					0.09	
PROJECT TOTAL					0.12	

TRAFFIC CONTROL (7170-01-70)

CATEGORY	STATION	TO	STATION	LOCATION	643.0100 EACH	REMARKS
0010	9+60.25	-	10+39.75	STH 25	1	
TOTAL 0010					1	

643-TRAFFIC CONTROL

643.0300
TRAFFIC
CONTROL
DRUMS

643.0715
TRAFFIC
CONTROL
WARNING
LIGHTS
TYPE C

643.0900
TRAFFIC
CONTROL
SIGNS

CATEGORY	STATION	TO	STATION	LOCATION	DAY	DAY	DAY	REMARKS
0010	9+60.25	-	10+39.75	STH 25	140	70	70	STAGE 1
0010	9+60.25	-	10+39.75	STH 25	140	70	70	STAGE 2
TOTAL 0010					280	140	140	

646-PAVEMENT MARKING

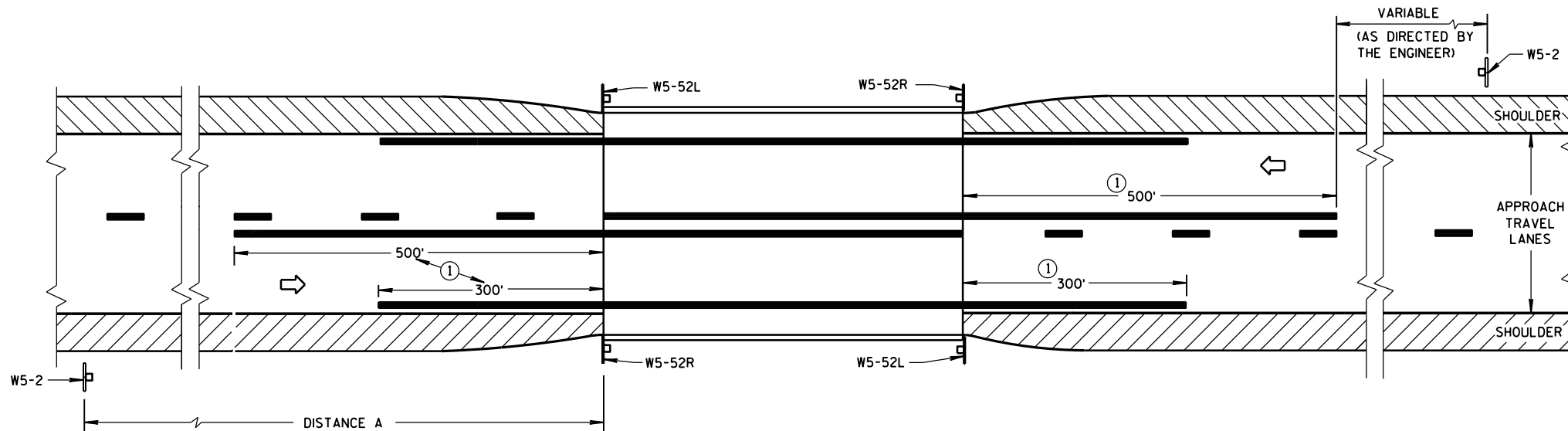
646.0106
PAVEMENT
MARKING
EPOXY
4-INCH
LF

646.0600
REMOVING
PAVEMENT
MARKINGS
LF

CATEGORY	STATION	TO	STATION	LOCATION	LF	LF	REMARKS
0010	9+60.25	-	10+39.75	STH 25	160	160	WHITE EDGELINE
0010	9+60.25	-	10+39.75	STH 25	160	160	DOUBLE YELLOW CENTERLINE
TOTAL 0010					320	320	

Standard Detail Drawing List

15C06-07	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)



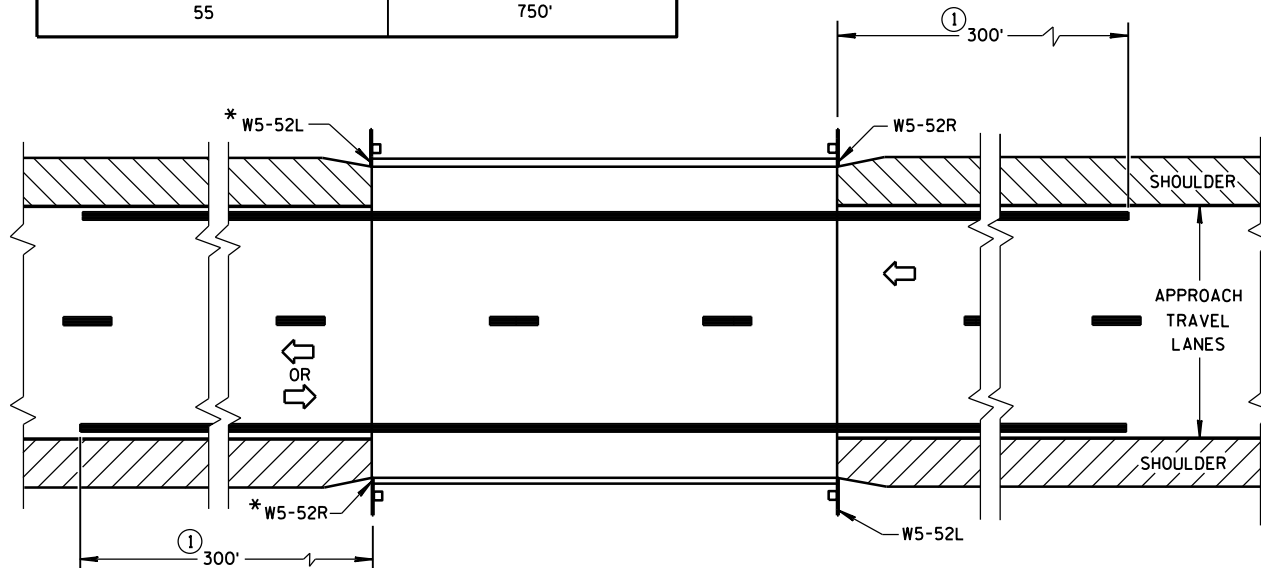
SITUATION 1

WARRANTING CRITERIA:

BRIDGE WIDTH IS AT LEAST 16 FEET BUT LESS THAN 24 FEET

DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	750'

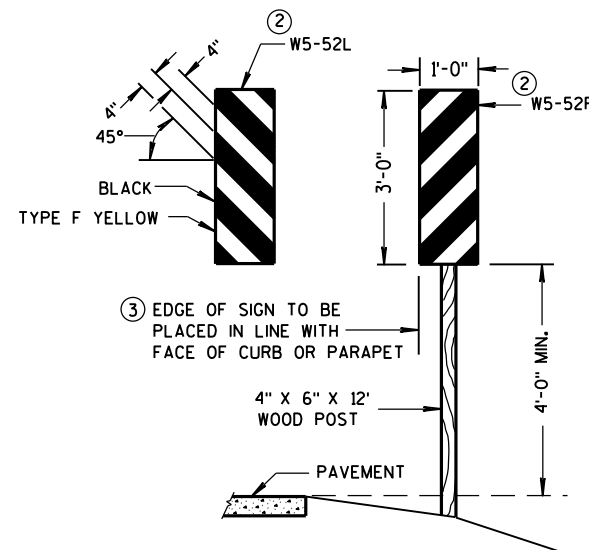


*OMIT ON ONE-WAY TRAVELLED WAYS

SITUATION 2

WARRANTING CRITERIA:

1. BRIDGE WIDTH IS AT LEAST 24 FEET AND
2. BRIDGE IS LESS THAN 6 FEET WIDER (ON EACH SIDE) THAN APPROACH TRAVEL LANES.



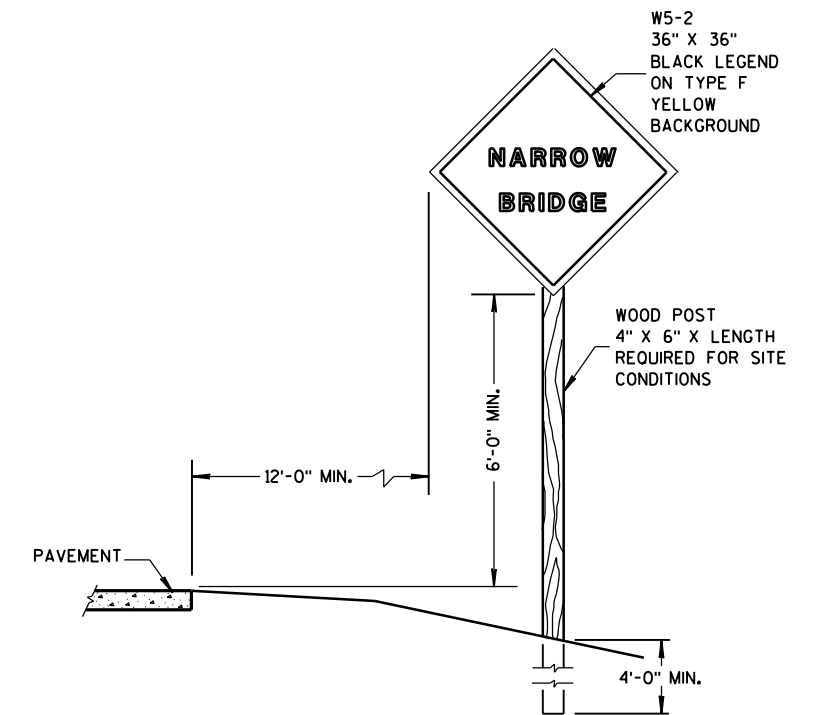
OBJECT MARKER PLACEMENT

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

PAVEMENT MARKING SHOWN ON THIS DRAWING IS NOT REQUIRED UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. WHEN SPECIFIED, PAVEMENT MARKING SHALL CONFORM TO THIS DRAWING AND OTHER CONTRACT REQUIREMENTS.

- ① MINIMUM DISTANCE UNLESS OTHERWISE SHOWN ON THE PLAN.
- ② FACE OF OBJECT MARKERS W5-52R, AND W5-52L SHALL BE COVERED WITH TYPE F REFLECTIVE SHEETING.
- ③ LOCATE OBJECT MARKER POST(S) BEHIND GUARDRAIL WHEN PRESENT.



SIGN PLACEMENT

SIGNING & MARKING FOR TWO LANE BRIDGES

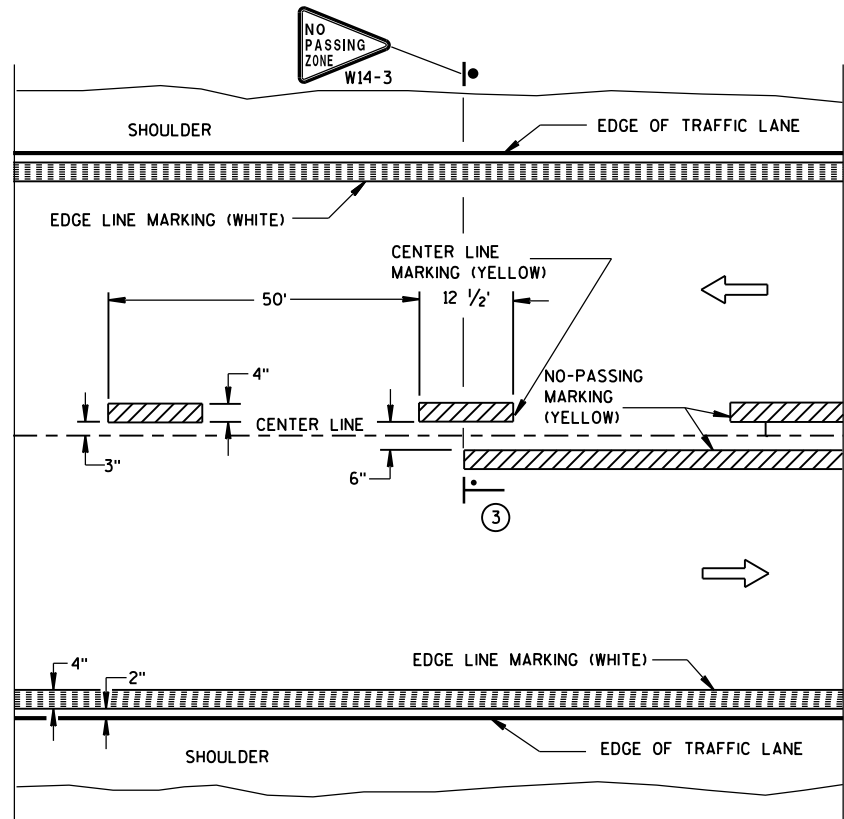
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

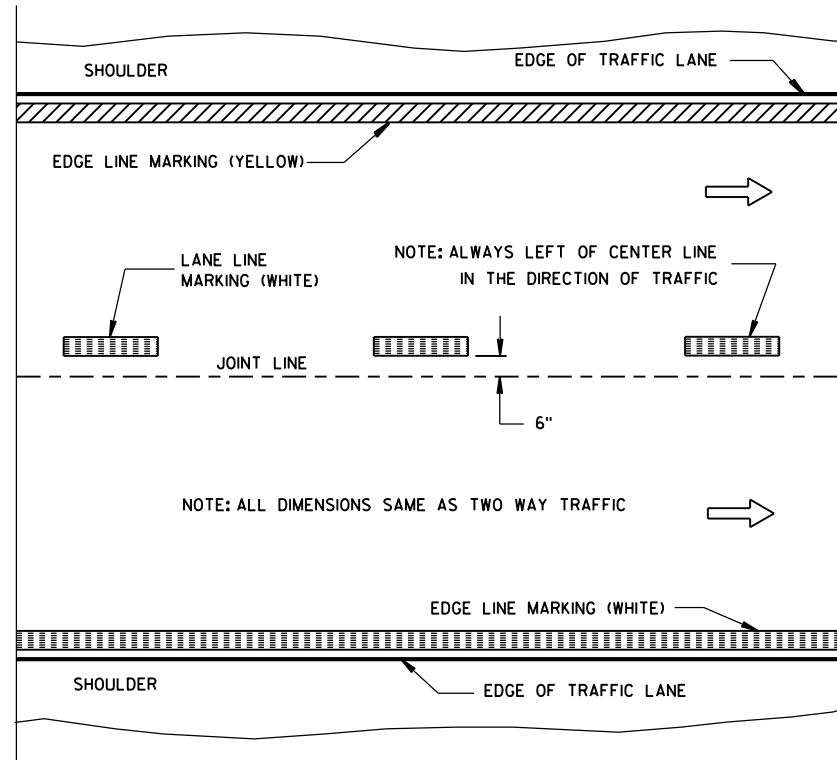
3-2014
DATE

FHWA

/S/ Travis Fettes
STATE TRAFFIC ENGINEER OF DESIGN

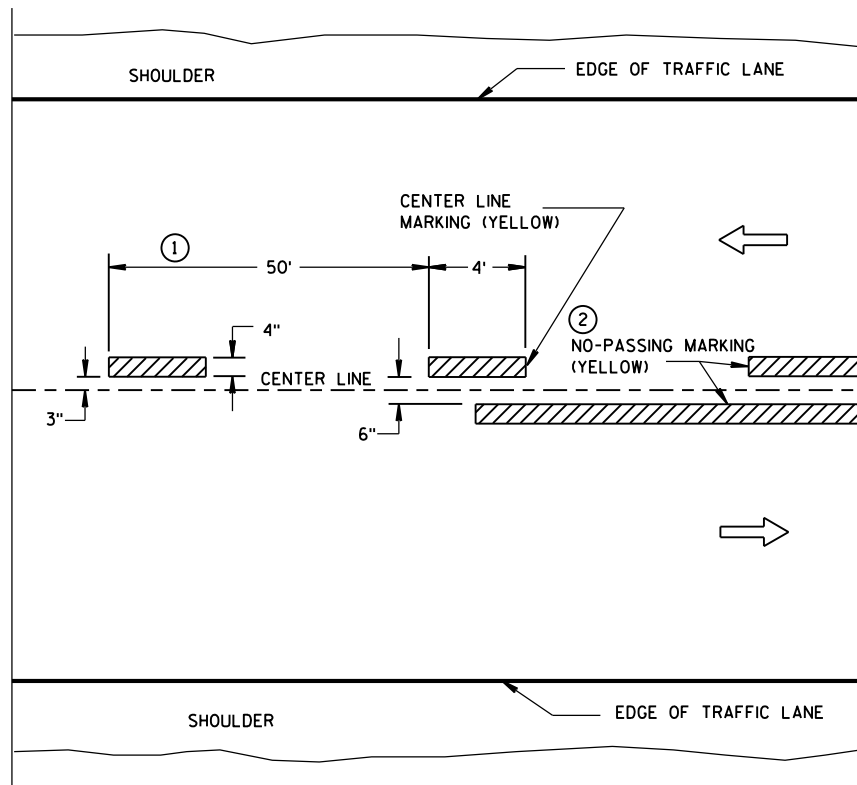


TWO WAY TRAFFIC

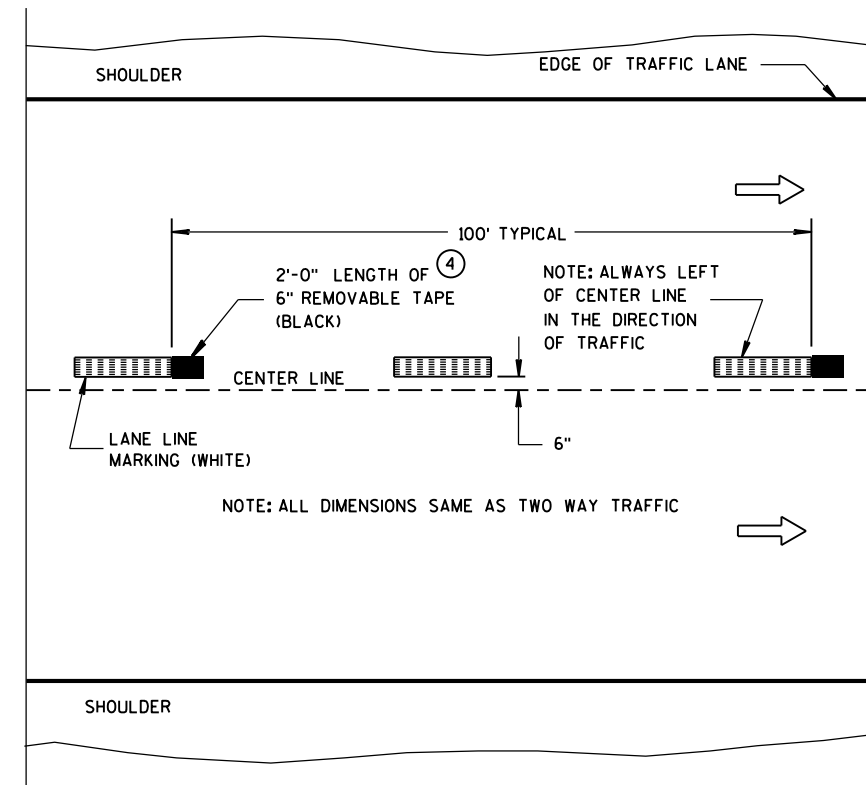


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

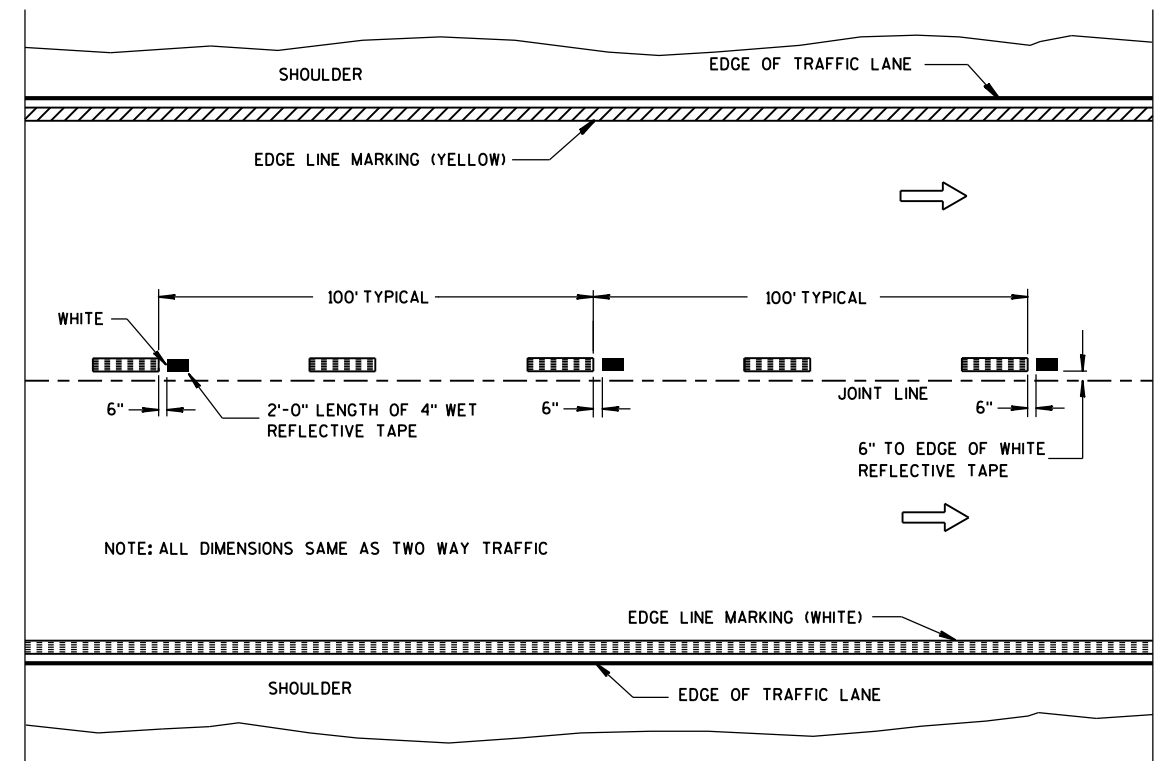
GENERAL NOTES

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

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

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL



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

LEGEND

- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-13-2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER
FHWA

LEGEND

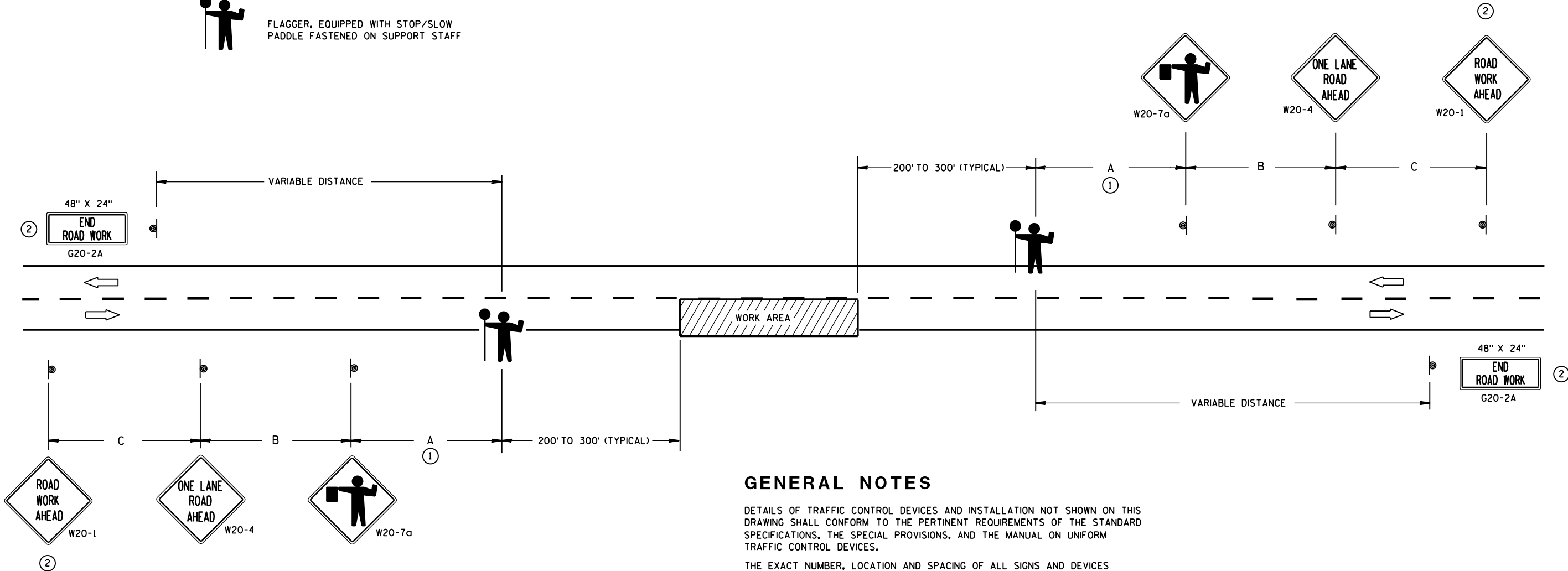
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

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

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

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

TRAFFIC CONTROL FOR LANE
CLOSURE (SUITABLE FOR
MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

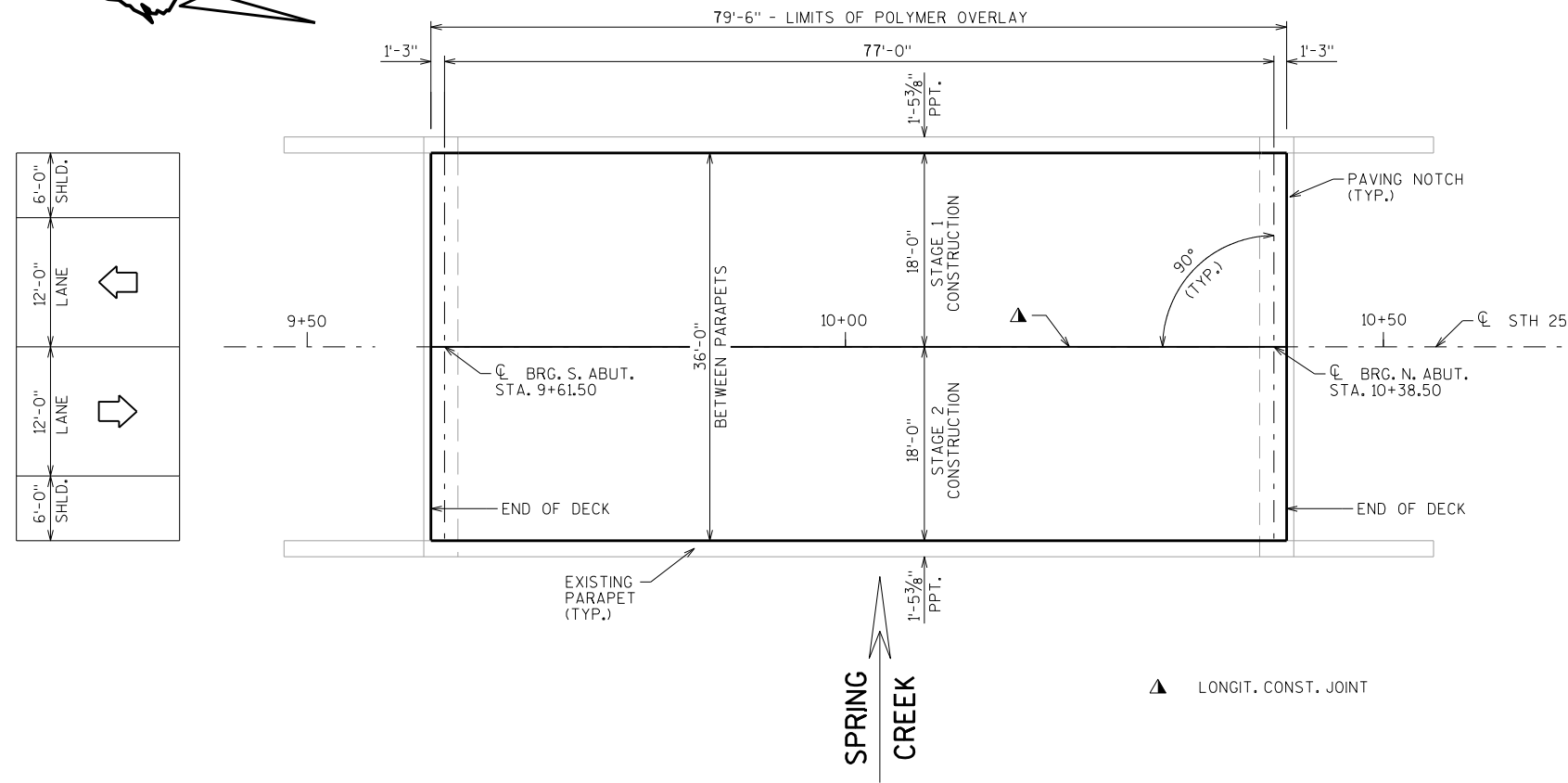
APPROVED
8/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

LIVE LOAD:

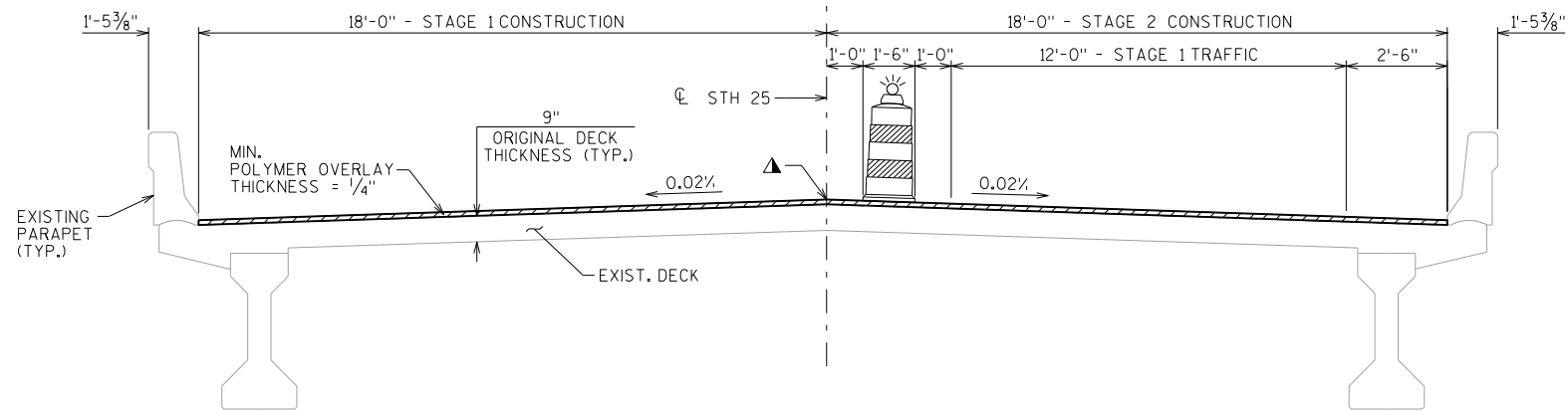
DESIGN RATING; HS-20
INVENTORY RATING; HS-21
OPERATIONAL RATING; HS-32
MAXIMUM STANDARD PERMIT VEHICLE LOAD = 250 KIPS.

DRAWINGS SHALL NOT BE SCALED.
DIMENSIONS SHOWN ARE BASED ON THE EXISTING ORIGINAL STRUCTURE PLANS.

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	318

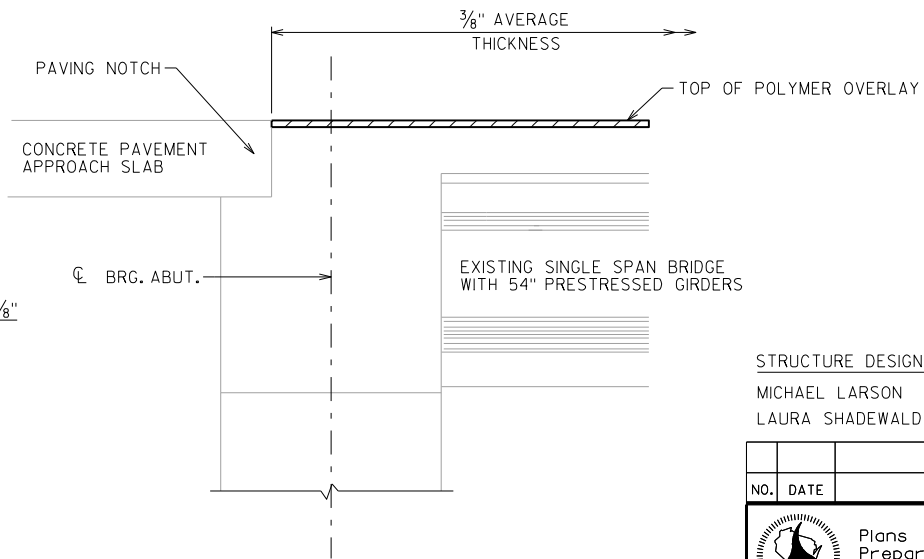


PLAN



CROSS SECTION THRU RDWY.

(STAGE 1 TRAFFIC SHOWN, STAGE 2 TRAFFIC IS SYMMETRIC ABOUT \mathbb{C} STH 25)
(LOOKING NORTH)




TYP. SECTION AT ABUTMENTS

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURE DESIGN CONTACT:
MICHAEL LARSON (608) 267-4539
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY
 <div style="display: inline-block; vertical-align: middle;"> <p>Plans Prepared By</p> <p>WISDOT</p> <p>BUREAU OF STRUCTURES</p> </div>			
ACCEPTED		<i>William C. Dieker</i> ^{LLS} CHIEF STRUCTURES DESIGN ENGINEER	<div style="border: 2px solid red; padding: 5px; display: inline-block;">8/7/15</div> DATE
<h1>STRUCTURE B-06-122</h1>			
<h2>5TH 25 OVER SPRING CREEK</h2>			
COUNTY		TOWN/CITY/VILLAGE	
BUFFALO		MAXVILLE	
DESIGN SPEC.			
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY	MJL CK'D.	ARC BY	PLANS CK'D. ARC
<h1>POLYMER OVERLAY</h1>		SHEET 1 OF 1	

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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

EAU

DEC 2015

ORDER OF SHEETS

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Section No. 9	Cross Sections

TOTAL SHEETS = 20

PROJECT ID: 7880-07-70

COUNTY: DUNN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CARYVILLE - ELK MOUND

CHIPPEWA RIVER BRIDGE B-17-0070

CTH H
DUNN COUNTY

STATE PROJECT NUMBER
7880-07-70

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
7880-07-70		

END PROJECT
STA. 24+04.00

STRUCTURE B-17-0070

BEGIN PROJECT
STA. 15+00.00

X = 226,942.00
Y = 127,968.00



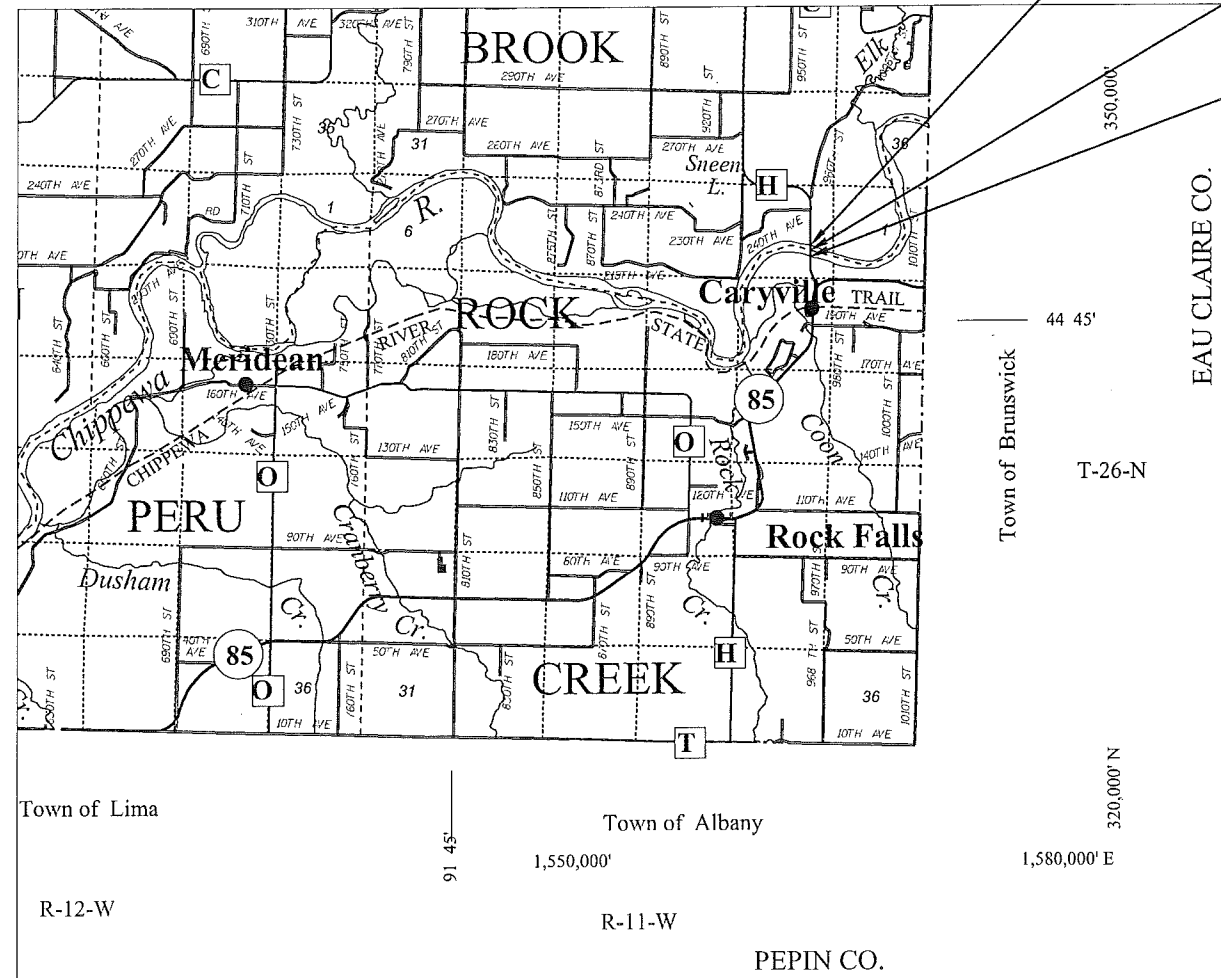
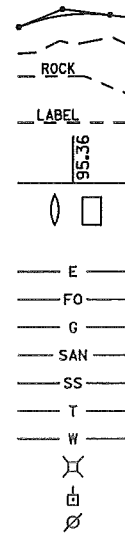
DESIGN DESIGNATION

A.A.D.T.	2016	= 1070
A.A.D.T.	2036	= 1310
D.H.V.		= 107
D.D.		= 60/40
T.		= 6.0%
DESIGN SPEED		= 60 MPH
ESALS		= N/A

CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	////
PROPERTY LINE	---
LOT LINE	---
LIMITED HIGHWAY EASEMENT	---
EXISTING RIGHT OF WAY	---
PROPOSED OR NEW R/W LINE	---
SLOPE INTERCEPT	---
REFERENCE LINE	---
EXISTING CULVERT	---
PROPOSED CULVERT (Box or Pipe)	---
COMBUSTIBLE FLUIDS	CAUTION
MARSH AREA	---
WOODED OR SHRUB AREA	---

PROFILE	
GRADE LINE	---
ORIGINAL GROUND	---
MARSH OR ROCK PROFILE (To be noted as such)	---
SPECIAL DITCH	---
GRADE ELEVATION	---
CULVERT (Profile View)	---
UTILITIES	
ELECTRIC	---
FIBER OPTIC	---
GAS	---
SANITARY SEWER	---
STORM SEWER	---
TELEPHONE	---
WATER	---
UTILITY PEDESTAL	---
POWER POLE	---
TELEPHONE POLE	---



LAYOUT
SCALE 0 2 MILE
TOTAL NET LENGTH OF CENTERLINE = 0.17 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DUNN COUNTY, NAD83 (1991), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	WISDOT
Designer	ADAM HETRICK
Project Manager	DAVID KOEPP
Regional Examiner	CHRISTINE KOSKI
Regional Supervisor	TIMOTHY MASON
APPROVED FOR THE DEPARTMENT	
DATE: 7/22/2015	D-14P (Signature)

LIST OF STANDARD ABBREVIATIONS

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

UTILITIES CONTACT

WEST WISCONSIN TELCOM COOPERATIVE (COMMUNICATION LINE)
GARY WAYNE
E4528 COUNTY ROAD C
DOWNSVILLE, WI 54735
PHONE: (715) 231-2000
CELL PHONE: (715) 308-1915
EMAIL: GARYW@WWT.COOP

DIGGERSHOTLINE

Dial 811 or (800)242-8511

www.DiggersHotline.com

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS, AND WORK NOT SHOWN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, STANDARD DETAILS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THERE ARE EXISTING UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA PRIOR TO BEGINNING WORK OPERATIONS TO CONFIRM ALL UTILITY LOCATIONS. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE. UTILITY FACILITIES WERE NOT FIELD LOCATED AND VERIFIED.

DESIGN CONTACT

ADAM HETRICK
WISCONSIN DEPARTMENT OF TRANSPORTATION
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718 WEST CLAIREMONT AVENUE
EAU CLAIRE, WI 54701
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WISDOT - PROJECT MANAGER

DAVID KOEPP, P.E.
WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTHWEST REGION - EAU CLAIRE OFFICE
718 WEST CLAIREMONT AVENUE
EAU CLAIRE, WI 54701
PHONE: (715) 836-2078
EMAIL: DAVID.KOEPP@DOT.WI.GOV






WISDOT - STORMWATER

DAVID LARSON
WISCONSIN DEPARTMENT OF TRANSPORTATION
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718 WEST CLAIREMONT AVENUE
EAU CLAIRE, WI 54701
PHONE: (715) 836-2067
EMAIL: DAVID.LARSON@DOT.WI.GOV

WISCONSIN DNR - LIASON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
WEST CENTRAL REGION HEADQUARTERS
ATTN: CHRIS WILLGER
ENVIRONMENTAL ANALYSIS AND REVIEW SPECIALIST
1300 WEST CLAIREMONT AVENUE
P.O. BOX 4001
EAU CLAIRE, WI 54702-4001
PHONE: (715) 839-1609
EMAIL: CHRISTOPHERJ.WILLGER@WISCONSIN.GOV

LEGEND

-  TYPE III BARRICADE WITH ATTACHED SIGN
 TRAFFIC CONTROL DRUM
 TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
 TRAFFIC CONTROL CONES
 SIGN ON TEMPORARY SUPPORT



WORK AREA



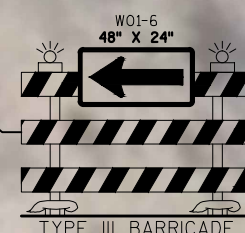
DIRECTION OF TRAFFIC


 TEMPORARY SIGNAL WITH BACKPLATE
AND 12-INCH LENSES ON BREAKAWAY POLE

 TEMPORARY PAVEMENT MARKING, 4-INCH,
REMOVABLE TAPE, WHITE EDGELINE

 SEE STANDARD DETAIL DRAWING 15 D 33-3 "TRAFFIC CONTROL
ONE LANE ROAD WITH TEMPORARY SIGNALS"
FOR TRAFFIC CONTROL DETAILS BEYOND THIS POINT

STAGE 1 WORK AREA



TYPE III BARRICADE

R10-6
24"X36"
 TEMPORARY PAVEMENT MARKING, STOP LINE,
24-INCH, REMOVABLE TAPE (TYP.)

 TEMPORARY PAVEMENT MARKING,
4-INCH, YELLOW CENTERLINE (TYP.)

CHIPPEWA RIVER



GENERAL NOTES:

SEE STANDARD DETAIL DRAWING 15 D 33-3 "TRAFFIC CONTROL ONE LANE ROAD WITH TEMPORARY SIGNALS" FOR TRAFFIC CONTROL DETAILS.

STAGE 1 AND STAGE 2 DESIGNATIONS FOR CONSTRUCTION ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT INDICATIVE OF THE ORDER IN WHICH WORK WILL BE PERFORMED.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

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

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

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.

PLACE TEMPORARY PAVEMENT MARKING EDGELINE AND CENTERLINE, AND REMOVE EXISTING PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS OR AS NOTED ON DETAIL.

LEGEND



TYPE III BARRICADE WITH ATTACHED SIGN



TRAFFIC CONTROL DRUM



TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT



TRAFFIC CONTROL CONES



SIGN ON TEMPORARY SUPPORT



WORK AREA



DIRECTION OF TRAFFIC

TEMPORARY SIGNAL WITH BACKPLATE
AND 12-INCH LENSES ON BREAKAWAY POLE

CHIPPEWA RIVER

STAGE 1 WORK AREA

GENERAL NOTES:

SEE STANDARD DETAIL DRAWING 15 D 33-3 "TRAFFIC CONTROL ONE LANE ROAD WITH TEMPORARY SIGNALS" FOR TRAFFIC CONTROL DETAILS.

STAGE 1 AND STAGE 2 DESIGNATIONS FOR CONSTRUCTION ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT INDICATIVE OF THE ORDER IN WHICH WORK WILL BE PERFORMED.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.









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

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

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.

PLACE TEMPORARY PAVEMENT MARKING EDGELINE AND CENTERLINE, AND REMOVE EXISTING PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS OR AS NOTED ON DETAIL.

LEGEND

-  TYPE III BARRICADE WITH ATTACHED SIGN
 TRAFFIC CONTROL DRUM
 TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
 TRAFFIC CONTROL CONES
 SIGN ON TEMPORARY SUPPORT
 WORK AREA
 DIRECTION OF TRAFFIC
 TEMPORARY SIGNAL WITH BACKPLATE AND 12-INCH LENSES ON BREAKAWAY POLE

TEMPORARY PAVEMENT MARKING,
4-INCH, YELLOW CENTERLINE (TYP.)

SEE STANDARD DETAIL DRAWING 15 D 33-3 "TRAFFIC CONTROL
ONE LANE ROAD WITH TEMPORARY SIGNALS"
FOR TRAFFIC CONTROL DETAILS BEYOND THIS POINT

TEMPORARY PAVEMENT MARKING, STOP LINE,
24-INCH, REMOVABLE TAPE (TYP.)

GENERAL NOTES:

SEE STANDARD DETAIL DRAWING 15 D 33-3 "TRAFFIC CONTROL
ONE LANE ROAD WITH TEMPORARY SIGNALS" FOR TRAFFIC
CONTROL DETAILS.

STAGE 1 AND STAGE 2 DESIGNATIONS FOR CONSTRUCTION ARE
FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT INDICATIVE OF
THE ORDER IN WHICH WORK WILL BE PERFORMED.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE
ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A
MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO
EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

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

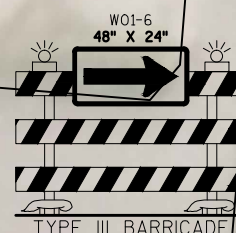
SIGN LAYOUT SHALL BE IN ACCORDANCE WITH THE FHWA'S
MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN
STANDARD SIGN PLATES.

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.

PLACE TEMPORARY PAVEMENT MARKING EDGELINE AND
CENTERLINE, AND REMOVE EXISTING PAVEMENT MARKINGS IF LANE
CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS
AND NIGHTS OR AS NOTED ON DETAIL.

TEMPORARY PAVEMENT MARKING, 4-INCH,
REMOVABLE TAPE, WHITE EDGELINE

CARYVILLE BOAT LANDING



STAGE 1 WORK AREA

CHIPPEWA RIVER

DATE 06OCT15			E S T I M A T E O F Q U A N T I T I E S		
LINE					7880-07-70
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	203.0225.S	Debris Containment (structure) 02. B-17-0070	LS	1.000	1.000
0030	213.0100	Finishing Roadway (project) 02. 7880-07-70	EACH	1.000	1.000
0040	509.0301	Preparation Decks Type 1	SY	10.000	10.000
0050	509.0302	Preparation Decks Type 2	SY	2.000	2.000
0060	509.5100.S	Polymer Overlay	SY	2,706.000	2,706.000
0070	619.1000	Mobilization	EACH	0.880	0.880
0080	628.7010	Inlet Protection Type B	EACH	24.000	24.000
0100	643.0100	Traffic Control (project) 02. 7880-07-70	EACH	1.000	1.000
0110	643.0300	Traffic Control Drums	DAY	600.000	600.000
0120	643.0420	Traffic Control Barricades Type III	DAY	60.000	60.000
0130	643.0705	Traffic Control Warning Lights Type A	DAY	120.000	120.000
0140	643.0715	Traffic Control Warning Lights Type C	DAY	300.000	300.000
0150	643.0900	Traffic Control Signs	DAY	690.000	690.000
0160	646.0106	Pavement Marking Epoxy 4-Inch	LF	3,616.000	3,616.000
0170	646.0600	Removing Pavement Markings	LF	3,616.000	3,616.000
0180	649.0100	Temporary Pavement Marking 4-Inch	LF	1,400.000	1,400.000
0190	649.0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	5,340.000	5,340.000
0200	649.1300	Temporary Pavement Marking Stop Line 24-Inch	LF	22.000	22.000
0210	661.0100	Temporary Traffic Signals for Bridges (structure) 02. B-17-0070	LS	1.000	1.000
0220	SPV.0035	Special 01. CONCRETE MASONRY DECK PATCHING	CY	2.000	2.000
0230	SPV.0045	Special 01. TRAFFIC CONTROL CONES	DAY	600.000	600.000
0240	SPV.0090	Special 01. SAWING PAVEMENT DECK PREPARATION AREAS	LF	120.000	120.000

FINISHING ROADWAY (7880-07-70)

CATEGORY	STATION	TO	STATION	LOCATION	213.0100 EACH	REMARKS
0010	15+00	-	24+04	CTH H	1	
TOTAL 0010					1	

MOBILIZATION

CATEGORY	STATION	TO	STATION	LOCATION	619.1000 EACH	REMARKS
0010	15+00	-	24+04	CTH H	0.22	TIED TO PROJECT 7170-01-70
TOTAL 0010					0.22	
0020	15+00	-	24+04	CTH H	0.66	TIED TO PROJECT 7170-01-70
TOTAL 0020					0.66	
PROJECT TOTAL					0.88	

INLET PROTECTION TYPE B

CATEGORY	STATION	TO	STATION	LOCATION	628.7010 EACH	REMARKS
0010	15+00	-	24+04	CTH H	24	
TOTAL 0010					24	

643-TRAFFIC CONTROL

CATEGORY	STATION	TO	STATION	LOCATION	643.0100	643.0300	643.0420	643.0705	643.0715	643.0900	SPV.0045.01	REMARKS
					TRAFFIC CONTROL (PROJECT) 7880-07-70	TRAFFIC CONTROL DRUMS	TRAFFIC CONTROL BARRICADES TYPE III	TRAFFIC CONTROL WARNING LIGHTS TYPE A	TRAFFIC CONTROL WARNING LIGHTS TYPE C	TRAFFIC CONTROL SIGNS	TRAFFIC CONTROL CONES	
0010	15+00	-	24+04	CTH H	0.5	300	30	60	150	345	300	STAGE 1
0010	15+00	-	24+04	CTH H	0.5	300	30	60	150	345	300	STAGE 2
TOTAL 0010					1	600	60	120	300	690	600	

646-PAVEMENT MARKING

					646.0106	646.0600	649.0100	649.0400	649.1300	
					PAVEMENT	REMOVING	TEMPORARY	TEMPORARY	TEMPORARY	
					MARKING	PAVEMENT	PAVEMENT	PAVEMENT	PAVEMENT	
					EPOXY	MARKINGS	MARKING	MARKING	MARKING	
					4-INCH		4-INCH	REMOVABLE	STOP LINE	
								TAPE 4-INCH	24-INCH	
CATEGORY	STATION	TO	STATION	LOCATION	LF	LF	LF	LF	LF	REMARKS
0010	15+00	-	24+04	CTH H	1808	1808				WHITE EDGELINE
0010	15+00	-	24+04	CTH H	1808	1808				DOUBLE YELLOW CENTERLINE
0010	15+00	-	24+04	CTH H			700			CTH H NB YELLOW CENTERLINE
0010	15+00	-	24+04	CTH H			700			CTH H SB YELLOW CENTERLINE
0010	15+00	-	24+04	CTH H				2670		STAGE 1 WHITE EDGELINE
0010	15+00	-	24+04	CTH H				2670		STAGE 2 WHITE EDGELINE
0010	15+00	-	24+04	CTH H					11	CTH H NB
0010	15+00	-	24+04	CTH H					11	CTH H SB
TOTAL 0010					3616	3616	1400	5340	22	

TEMPORARY TRAFFIC SIGNALS FOR BRIDGES (B-17-0070)

					661.0100
CATEGORY	STATION	TO	STATION	LOCATION	LS
0010	15+00	-	24+04	CTH H	1
TOTAL 0010					1

SIGNAL SEQUENCE				
STRUCTURE B-17-0070				
INTERVAL	PHASE TIME (SECONDS)	CUMULATIVE TIME (SECONDS)	PHASE 1 DIRECTION	PHASE 2 DIRECTION
			NORTHBOUND	SOUTHBOUND
1	10	10	GREEN	RED
2	4	14	YELLOW	RED
3	46	60	RED	RED
4	10	70	RED	GREEN
5	4	74	RED	YELLOW
6	46	120	RED	RED

Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
09G02-03A	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
09G02-03B	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
09G02-03C	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
15C06-07	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15D33-03	TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS
16A01-06	LANDMARK REFERENCE MONUMENTS AND COVERS



INLET PROTECTION, TYPE A

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.

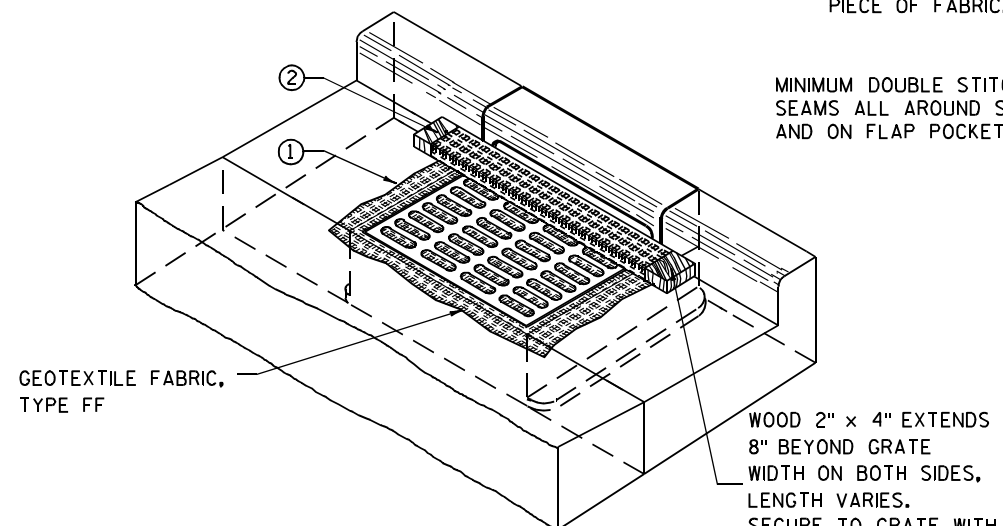
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 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.



**INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)**

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



INLET PROTECTION, TYPE C (WITH CURB BOX)

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.



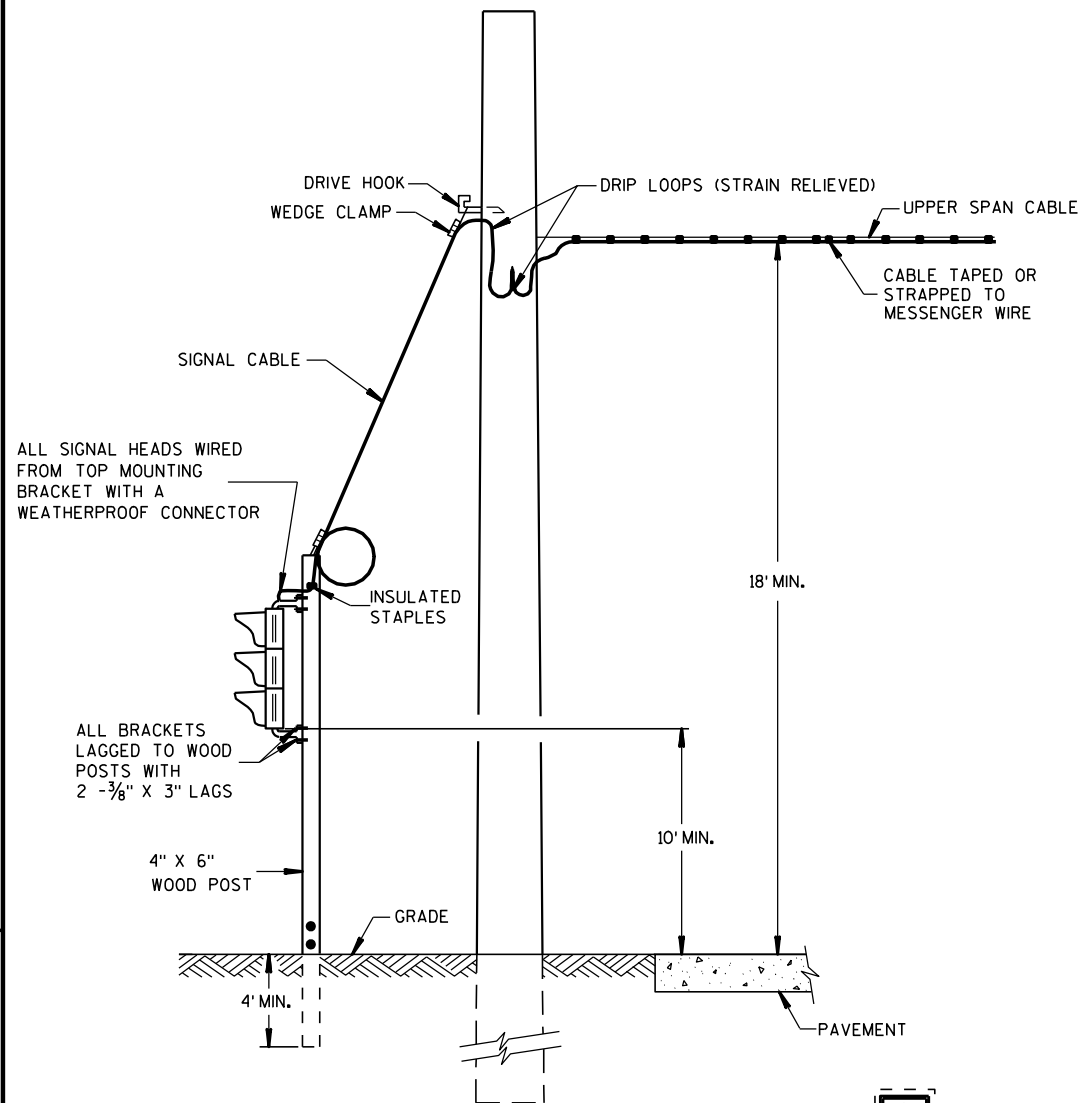
INLET PROTECTION, TYPE D

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

**INLET PROTECTION
TYPE A, B, C, AND D**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02 /S/ Beth Cannestra
DATE
FHWA CHIEF ROADWAY DEVELOPMENT ENGINEER

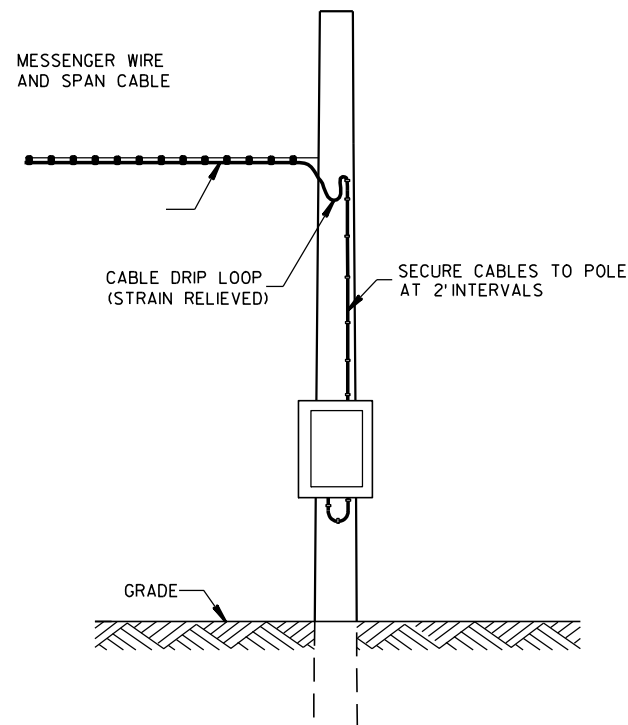


**TYPICAL DROP
TO TRAFFIC SIGNAL FACE**

OFFSET DISTANCES FOR TEMPORARY NON-BREAKAWAY POLES	
SPEED LIMIT	OFFSET DISTANCE**
GREATER THAN 45 MPH	18 FT
45 MPH OR LESS	12 FT
45 MPH OR LESS W/ CURBS	2 FT

**NOTE: OFFSET MEASURED FROM OUTER EDGE OF
OUTSIDE THRU LANE.

MINIMUM POLE LENGTHS	CLASS	MINIMUM BURIAL DEPTHS
25 FEET	V	5 FEET
30 FEET	V	6 FEET
35 FEET	IV	7 FEET
40 FEET	IV	8 FEET
45 FEET	IV	9 FEET



**POLE MOUNT
CABINET INSTALLATION**

GENERAL NOTES

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

POLE MOUNTED TRAFFIC SIGNAL CONTROL CABINET MAYBE MOUNTED ON THE SERVICE POLE IF THE ELECTRICAL UTILITY ALLOWS THE INSTALLATION.

WHEN UTILITY POLES ARE USED TO SPAN THE TEMPORARY OVERHEAD CABLE, WRITTEN PERMISSION MUST BE OBTAINED FROM THE OWNER OF THE POLES AND GIVEN TO THE PROJECT MANAGER. ALL PERTINENT UTILITY AND CODE CLEARANCES SHALL BE MAINTAINED.

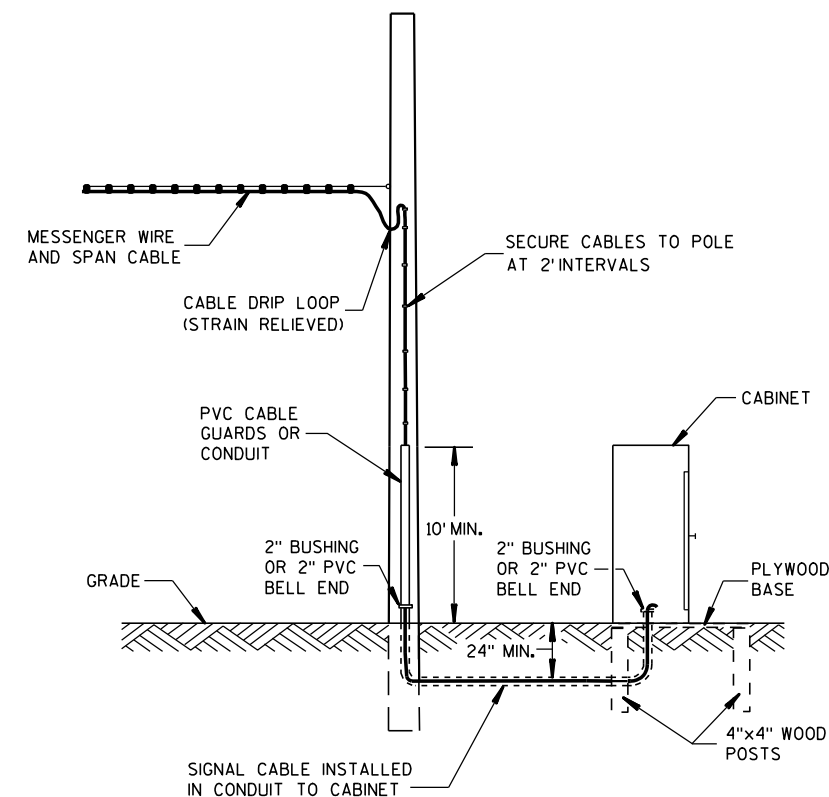
WOOD POLES (NONBREAKAWAY) SHALL BE NO CLOSER TO EDGE OF PAVEMENT THAN OFFSET DISTANCE CHART ALLOWS OR 4 FEET BEHIND PROTECTIVE BARRIER (BEAMGUARD, ETC.).

WOOD POSTS (BREAKAWAY) SHALL BE NO CLOSER THAN 2 FEET OUTSIDE OF SHOULDER.

VERTICAL CLEARANCE ETC. PER NEC.

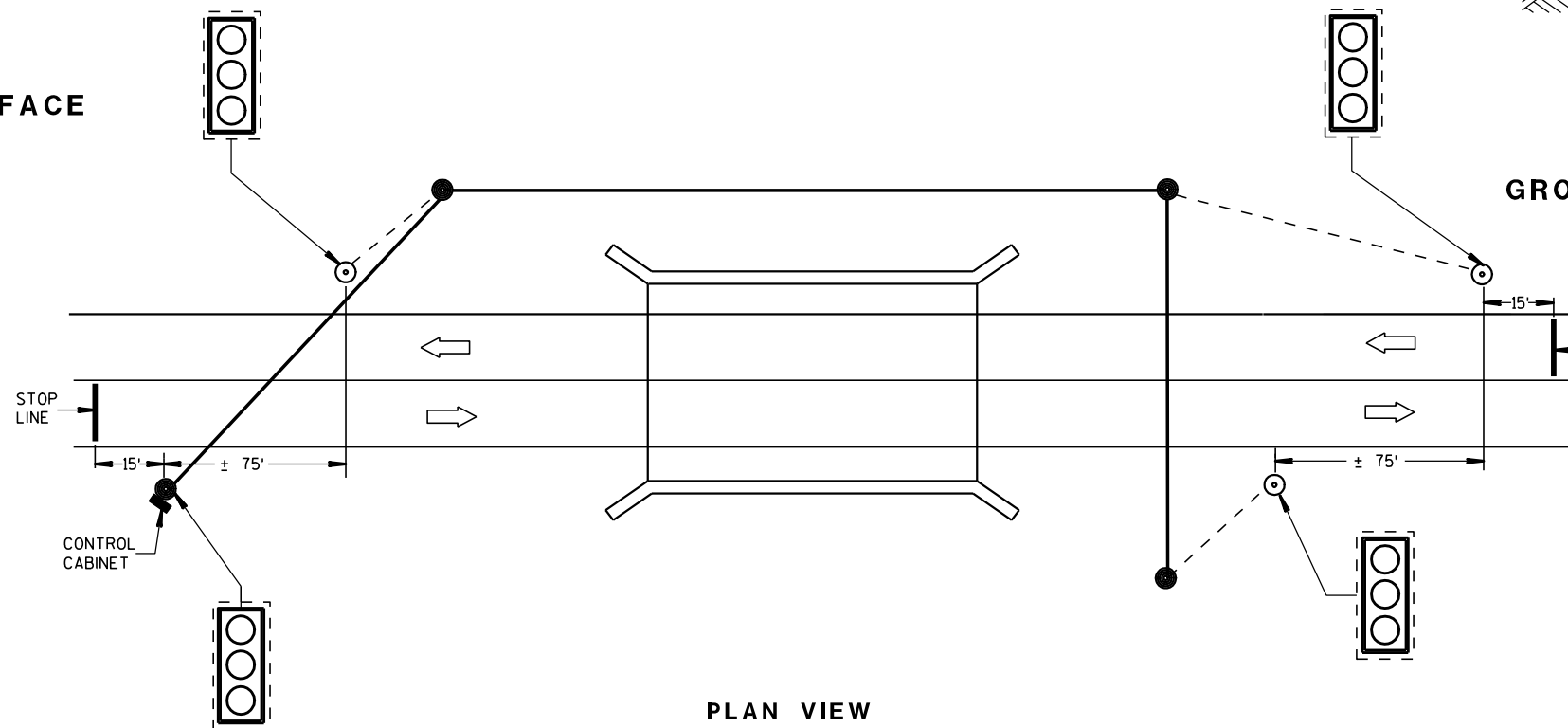
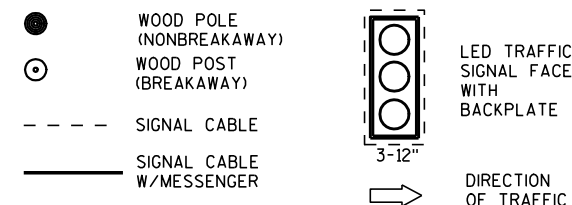
TRAFFIC SIGNAL FACES SHALL BE TYPICALLY PLACED 12 FEET FROM EDGE OF PAVEMENT.

EACH TRAFFIC SIGNAL FACE SHALL HAVE A BACKPLATE.



GROUND MOUNT CABINET INSTALLATION

LEGEND



**PLAN VIEW
TYPICAL BRIDGE TEMPORARY TRAFFIC SIGNAL LOCATION**

BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION

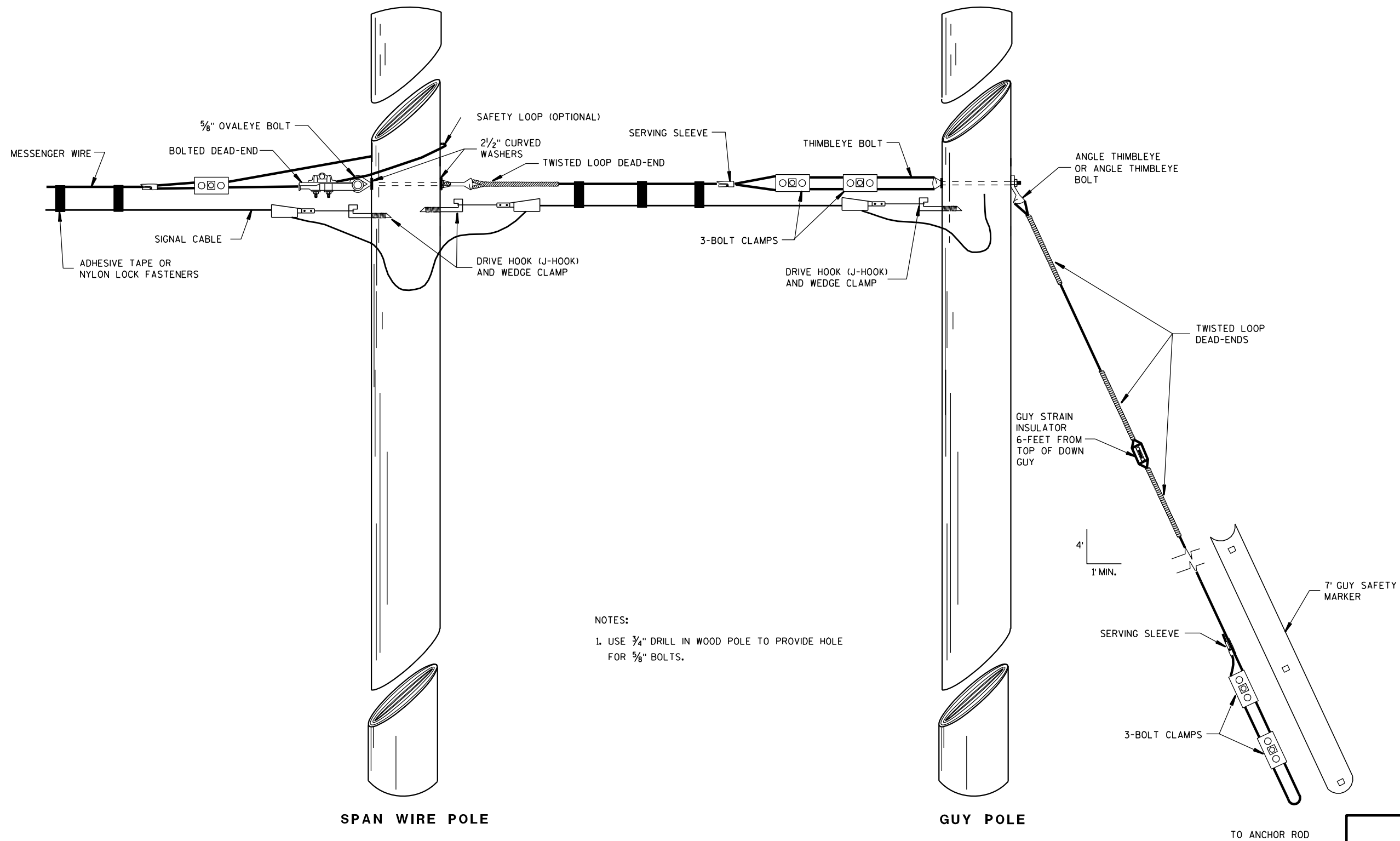
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/2/2011
DATE

/S/ Thomas J. Goring
STATE ELECTRICAL ENGINEER FOR HWYS

FHWA



TYPICAL DEAD-ENDINGS OR GUYING

**BRIDGE TEMPORARY
TRAFFIC SIGNAL INSTALLATION**

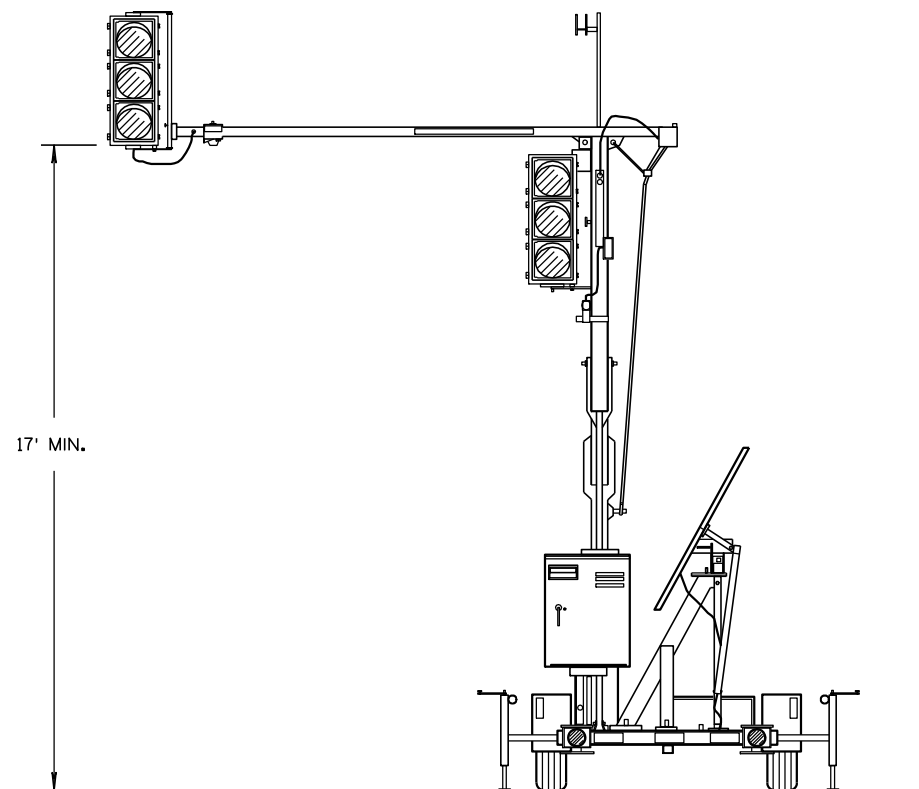
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/2/2011
DATE

FHWA

/S/ Thomas J. Goring
STATE ELECTRICAL ENGINEER FOR HWYS

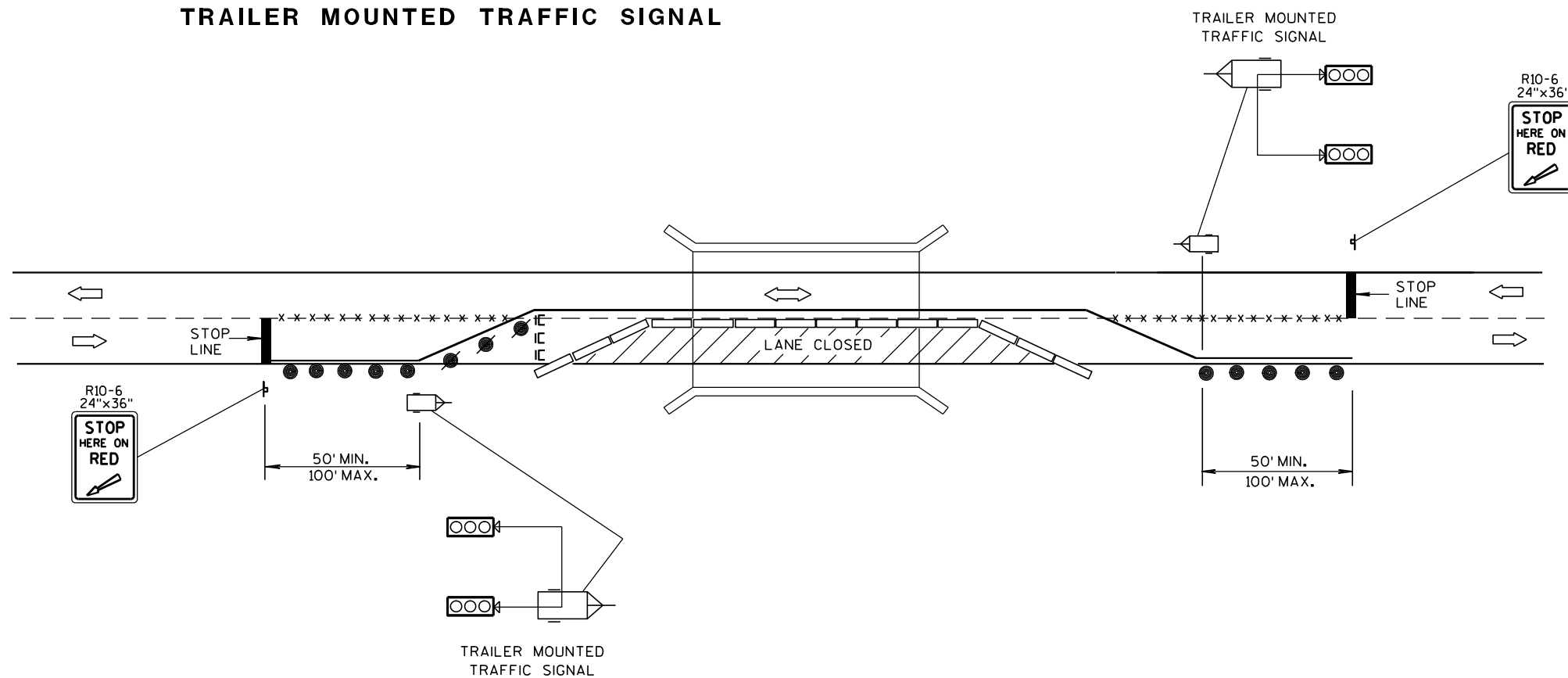


TRAILER MOUNTED TRAFFIC SIGNAL

GENERAL NOTES

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

SIGNING, PAVEMENT MARKING AND LANE CONTROL REQUIREMENTS SHALL CONFORM TO STANDARD DETAIL DRAWING 15 D 33.



TYPICAL TRAILER MOUNTED TRAFFIC SIGNAL LOCATION

LEGEND

- ⌵ POST MOUNTED SIGN
- *-x-* REMOVING PAVEMENT MARKING
- IC TYPE III BARRICADE WITH SIGN
- /● DRUM WITH/WITHOUT WARNING LIGHT, TYPE C (STEADY-BURN)
- ▬ TEMPORARY PRECAST CONCRETE BARRIER
- ⌵ TRAILER MOUNTED TRAFFIC SIGNAL
- ➡ DIRECTION OF TRAFFIC FLOW

BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

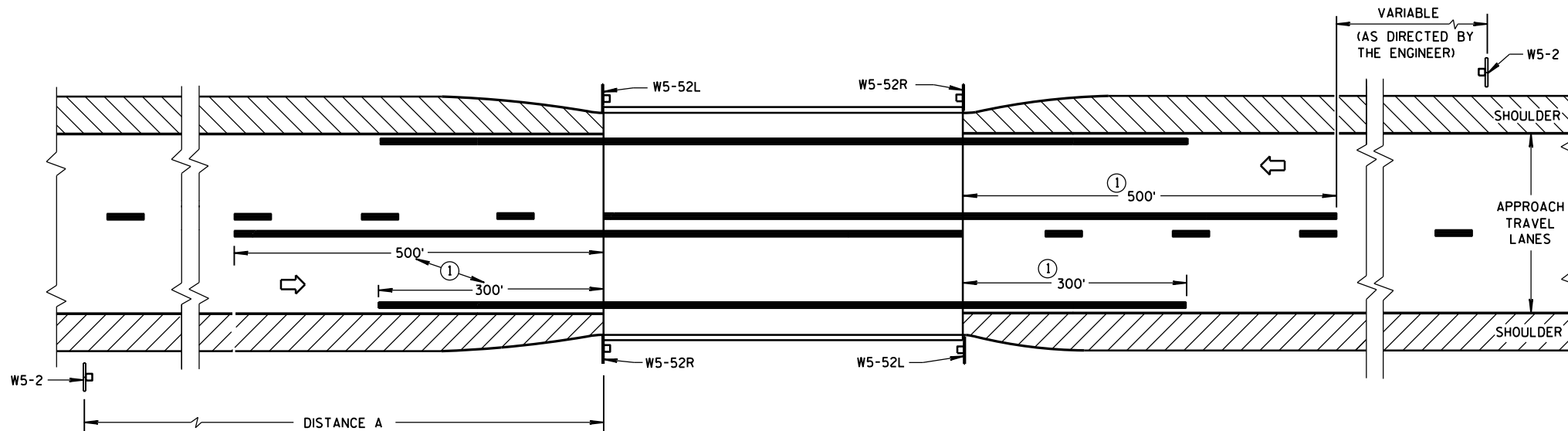
APPROVED

3/2/2011

DATE

FHWA

/S/ Thomas J. Goring
STATE ELECTRICAL ENGINEER FOR HWYS



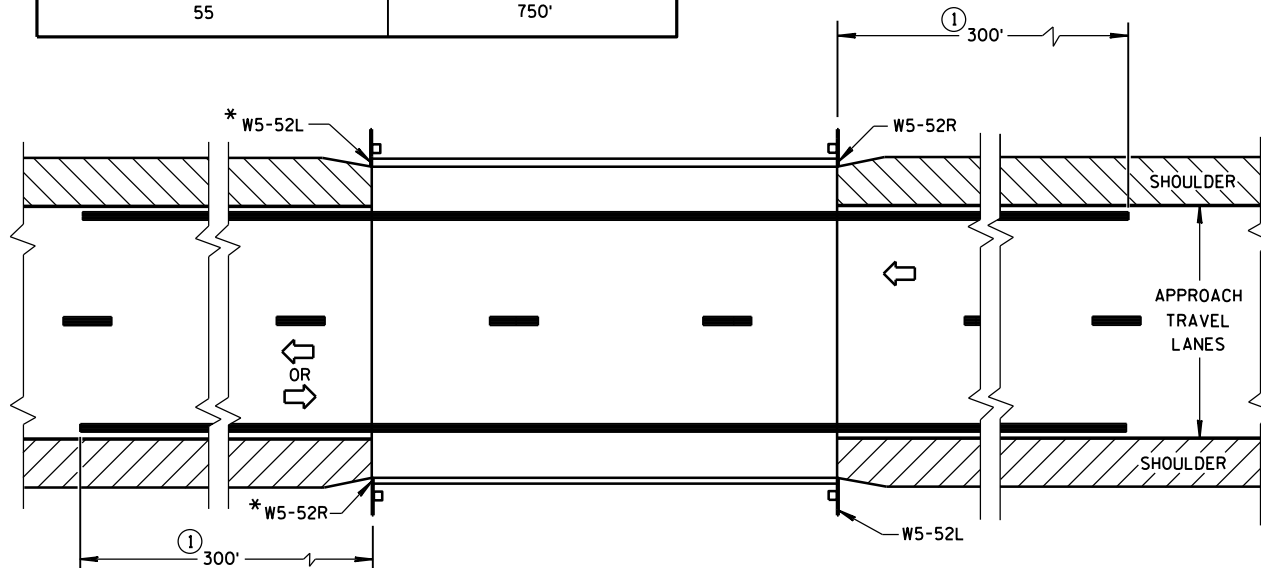
SITUATION 1

WARRANTING CRITERIA:

BRIDGE WIDTH IS AT LEAST 16 FEET BUT LESS THAN 24 FEET

DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	750'

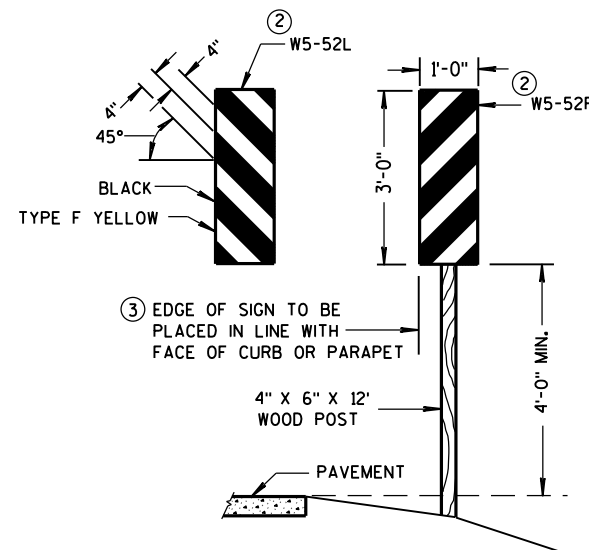


*OMIT ON ONE-WAY TRAVELLED WAYS

SITUATION 2

WARRANTING CRITERIA:

1. BRIDGE WIDTH IS AT LEAST 24 FEET AND
2. BRIDGE IS LESS THAN 6 FEET WIDER (ON EACH SIDE) THAN APPROACH TRAVEL LANES.



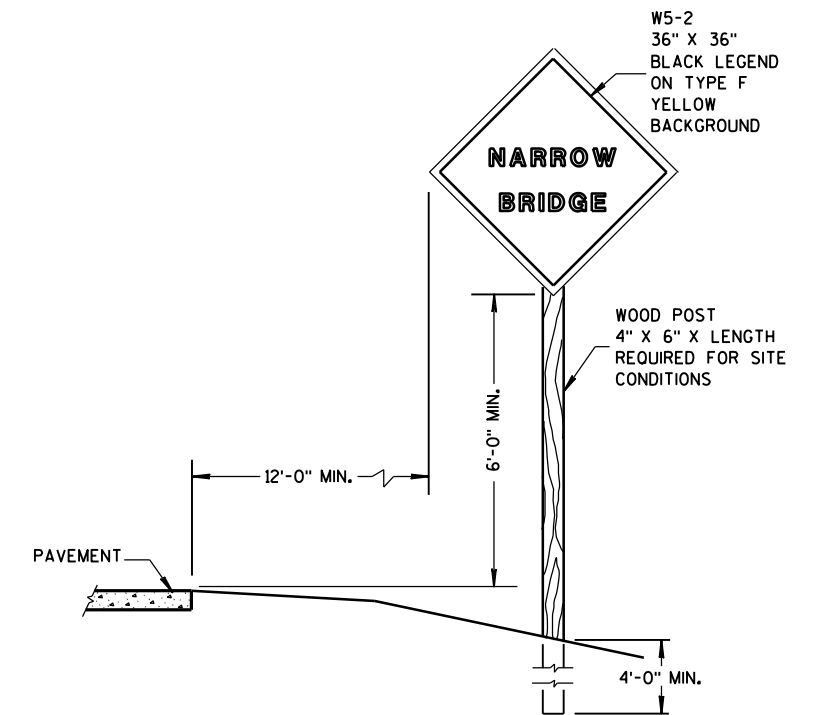
OBJECT MARKER PLACEMENT

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

PAVEMENT MARKING SHOWN ON THIS DRAWING IS NOT REQUIRED UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. WHEN SPECIFIED, PAVEMENT MARKING SHALL CONFORM TO THIS DRAWING AND OTHER CONTRACT REQUIREMENTS.

- ① MINIMUM DISTANCE UNLESS OTHERWISE SHOWN ON THE PLAN.
- ② FACE OF OBJECT MARKERS W5-52R, AND W5-52L SHALL BE COVERED WITH TYPE F REFLECTIVE SHEETING.
- ③ LOCATE OBJECT MARKER POST(S) BEHIND GUARDRAIL WHEN PRESENT.



SIGN PLACEMENT

SIGNING & MARKING FOR TWO LANE BRIDGES

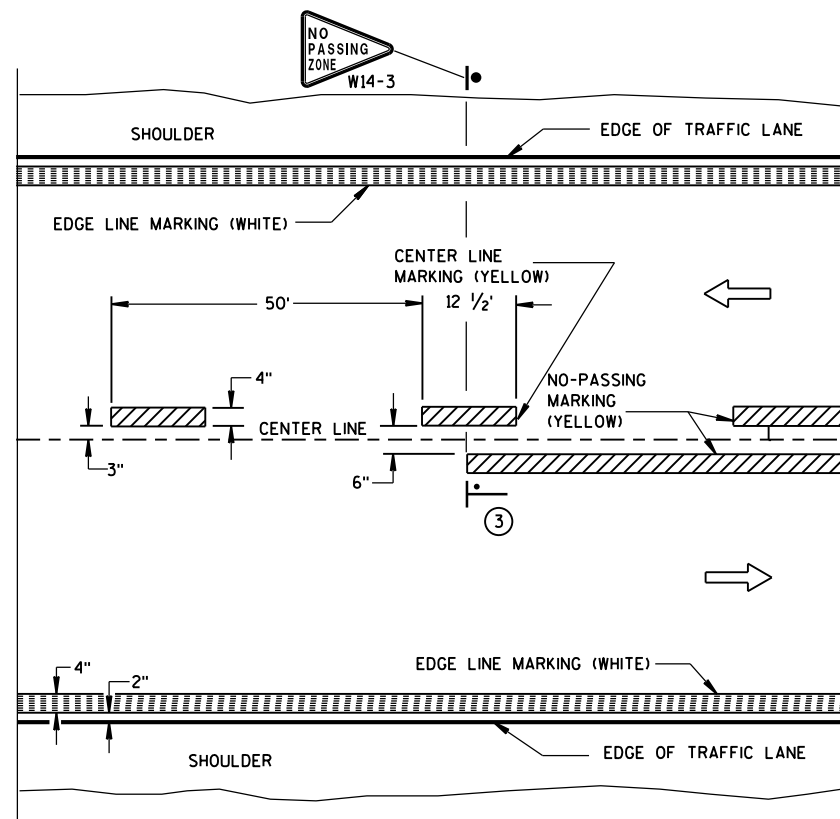
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

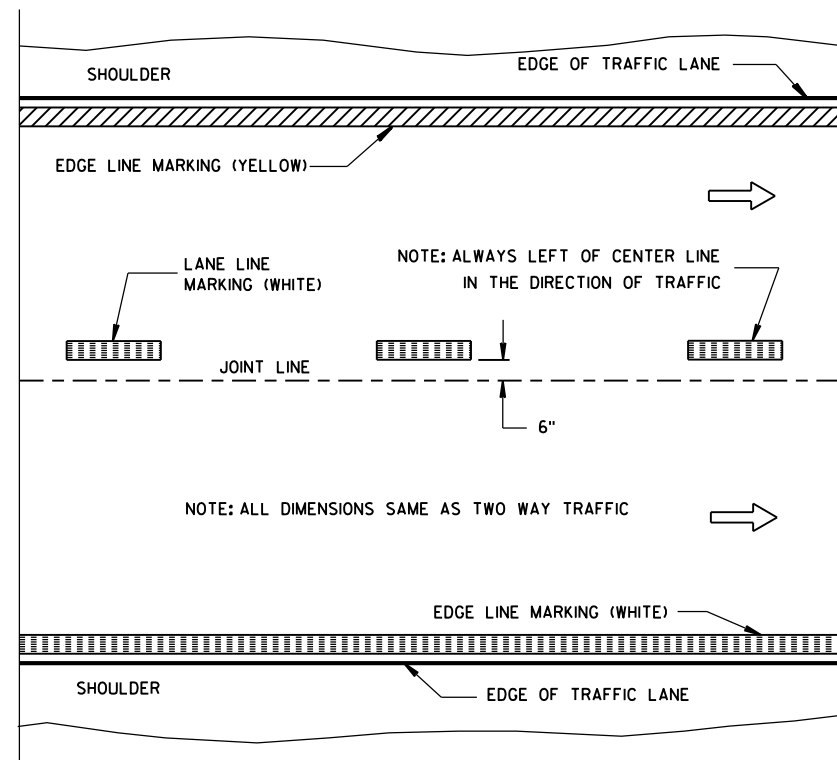
3-2014
DATE

FHWA

/S/ Travis Fettes
STATE TRAFFIC ENGINEER OF DESIGN

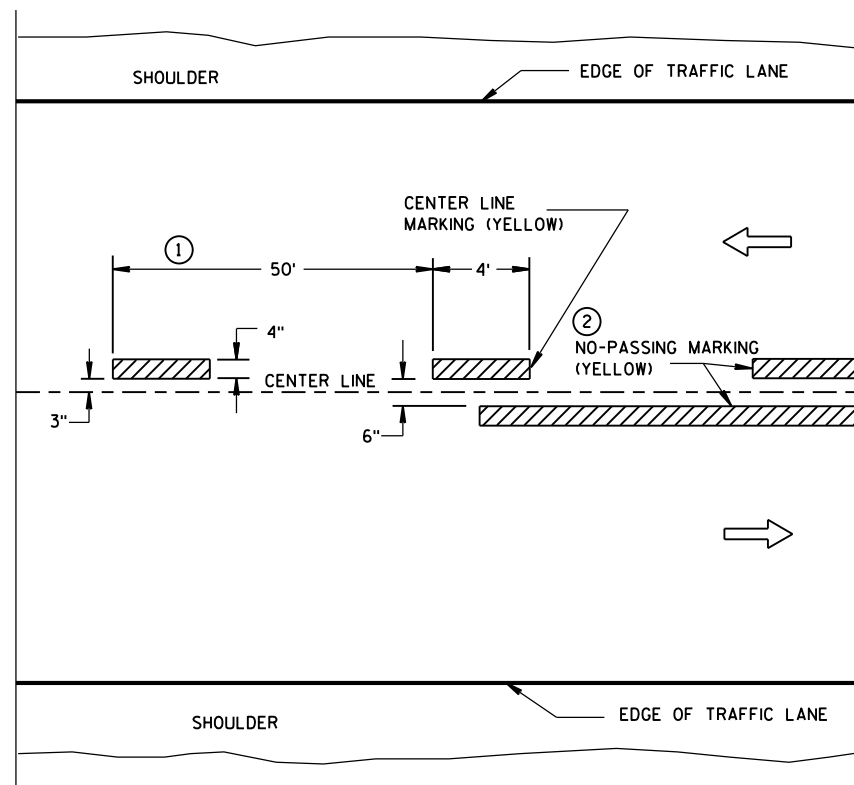


TWO WAY TRAFFIC

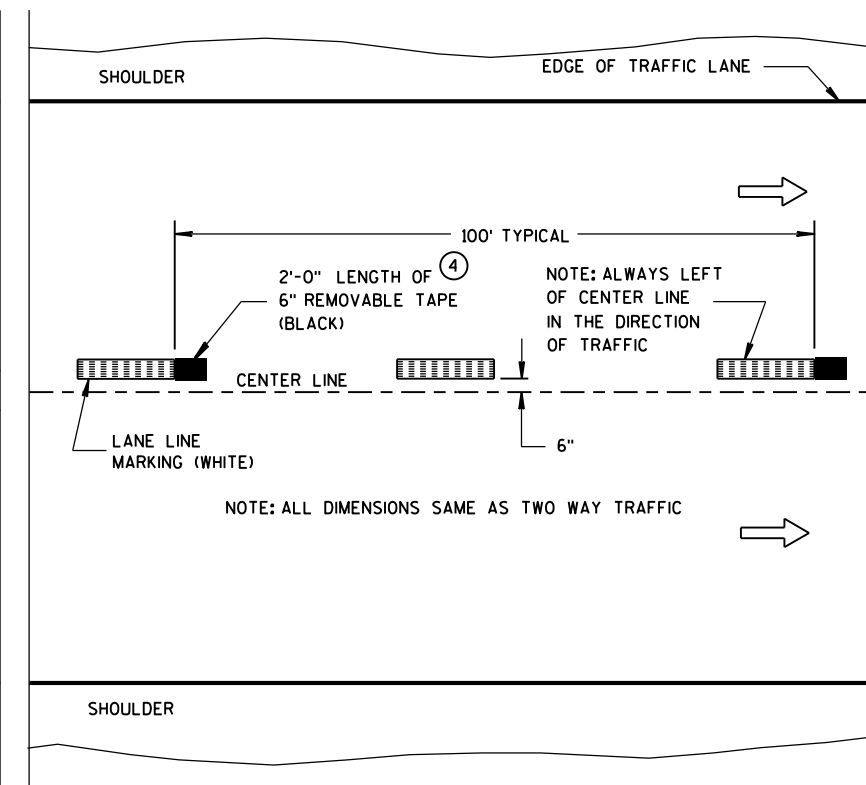


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

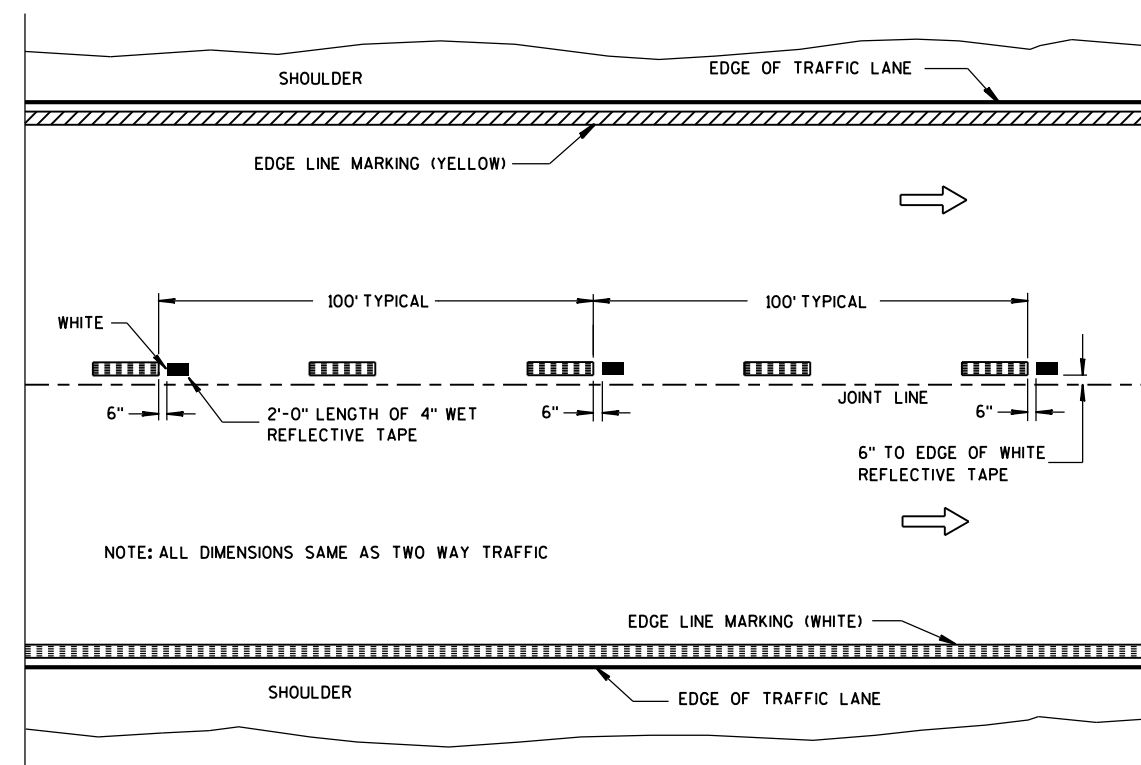
GENERAL NOTES

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
FHWA

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

LEGEND

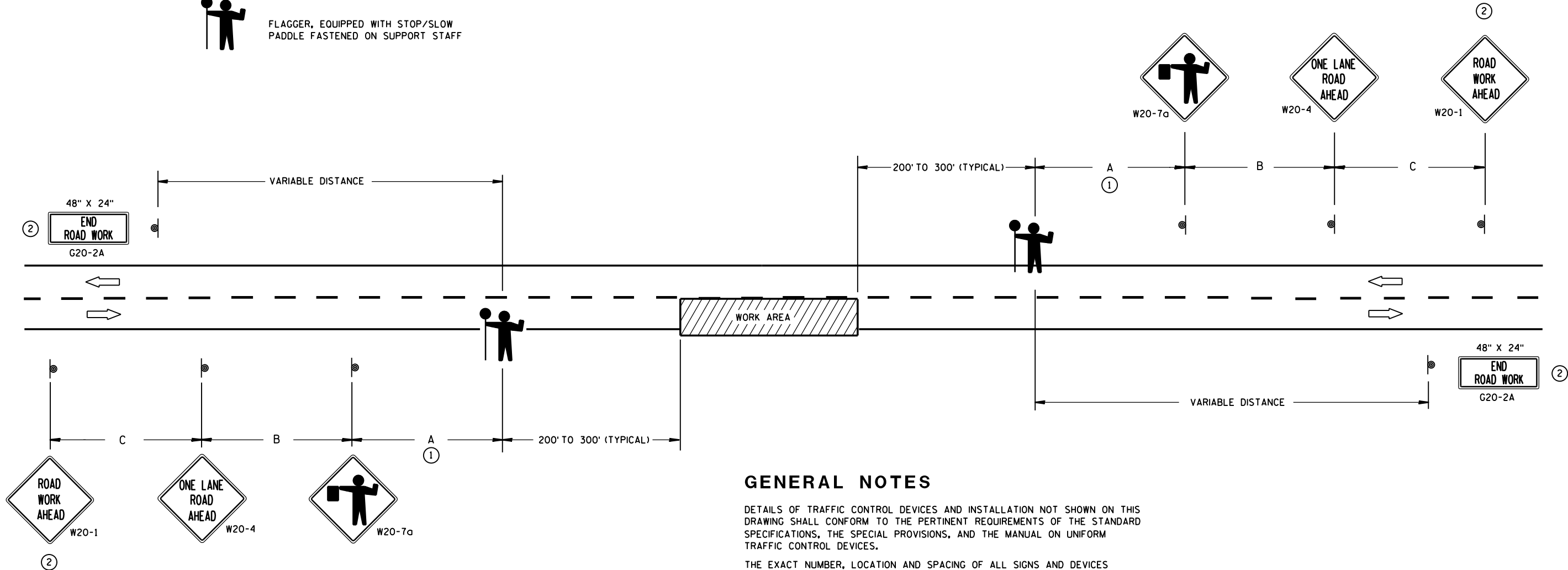
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

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

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

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

TRAFFIC CONTROL FOR LANE
CLOSURE (SUITABLE FOR
MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

LEGEND

- SIGN ON PERMANENT SUPPORT
- REMOVING PAVEMENT MARKING
- TYPE III BARRICADE WITH ATTACHED SIGN
- CONCRETE BARRIER TEMPORARY PRECAST
- FLAGS, 16" x 16" MIN., (ORANGE)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- ASPHALTIC PAVEMENT WIDENING
- DIRECTION OF TRAFFIC
- 4" X 6" WOOD POST
- TEMPORARY SIGNAL WITH BACKPLATE AND 12-INCH LENSES ON BREAKAWAY POLE

INSTALL ON EACH APPROACH AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY, OR AS DIRECTED BY THE ENGINEER. WIDTH ON SIGN TO BE APPROX. 1-FOOT LESS THAN AVAILABLE WIDTH. (OMIT IF AVAILABLE WIDTH IS MORE THAN 16 FEET.)

GENERAL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" 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.

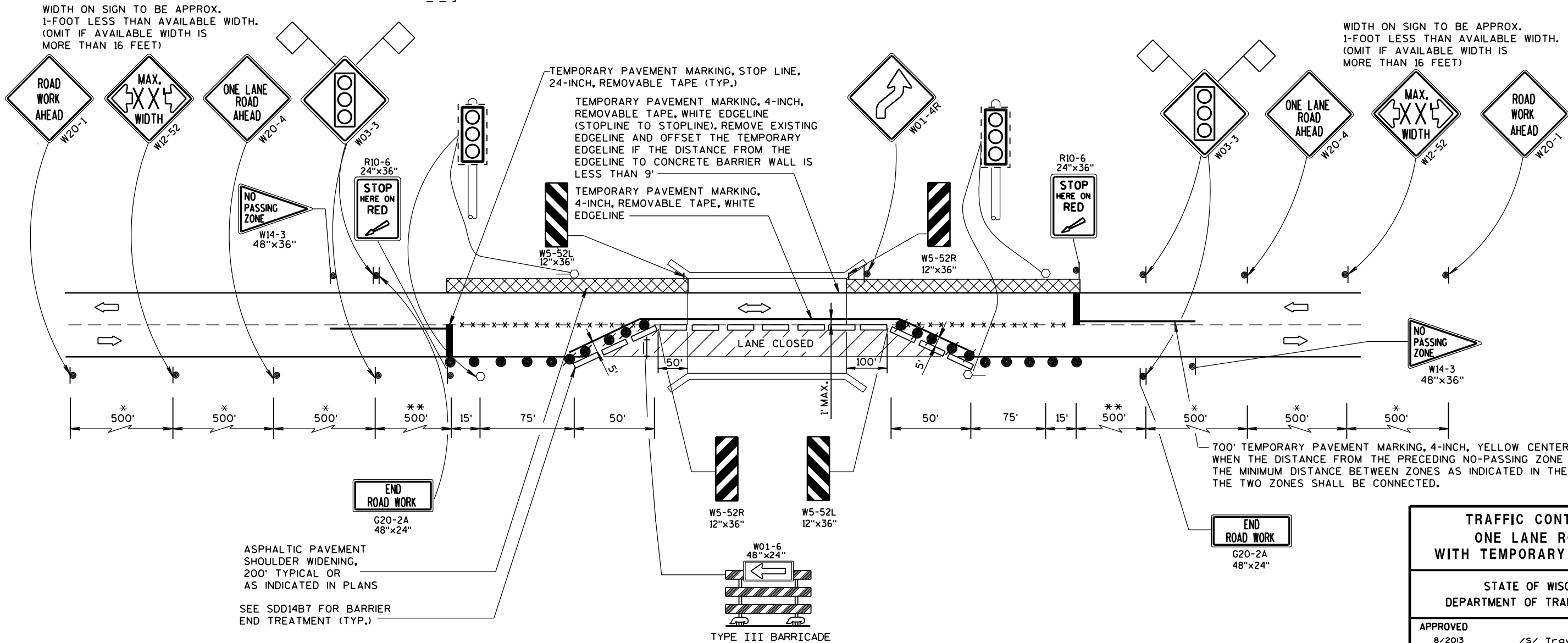
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

PLACE TEMPORARY PAVEMENT MARKING EDGELINE AND CENTERLINE, AND REMOVE EXISTING PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS OR AS NOTED ON DETAIL.

* 500-FOOT SPACING SHOWN IS FOR ROADWAYS WITH A PRE-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350-FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200-FOOT TYPICAL SPACING.

** USE 300' SPACING IF PRE-CONSTRUCTION REGULATORY SPEED LIMIT IS 35 MPH OR LESS.

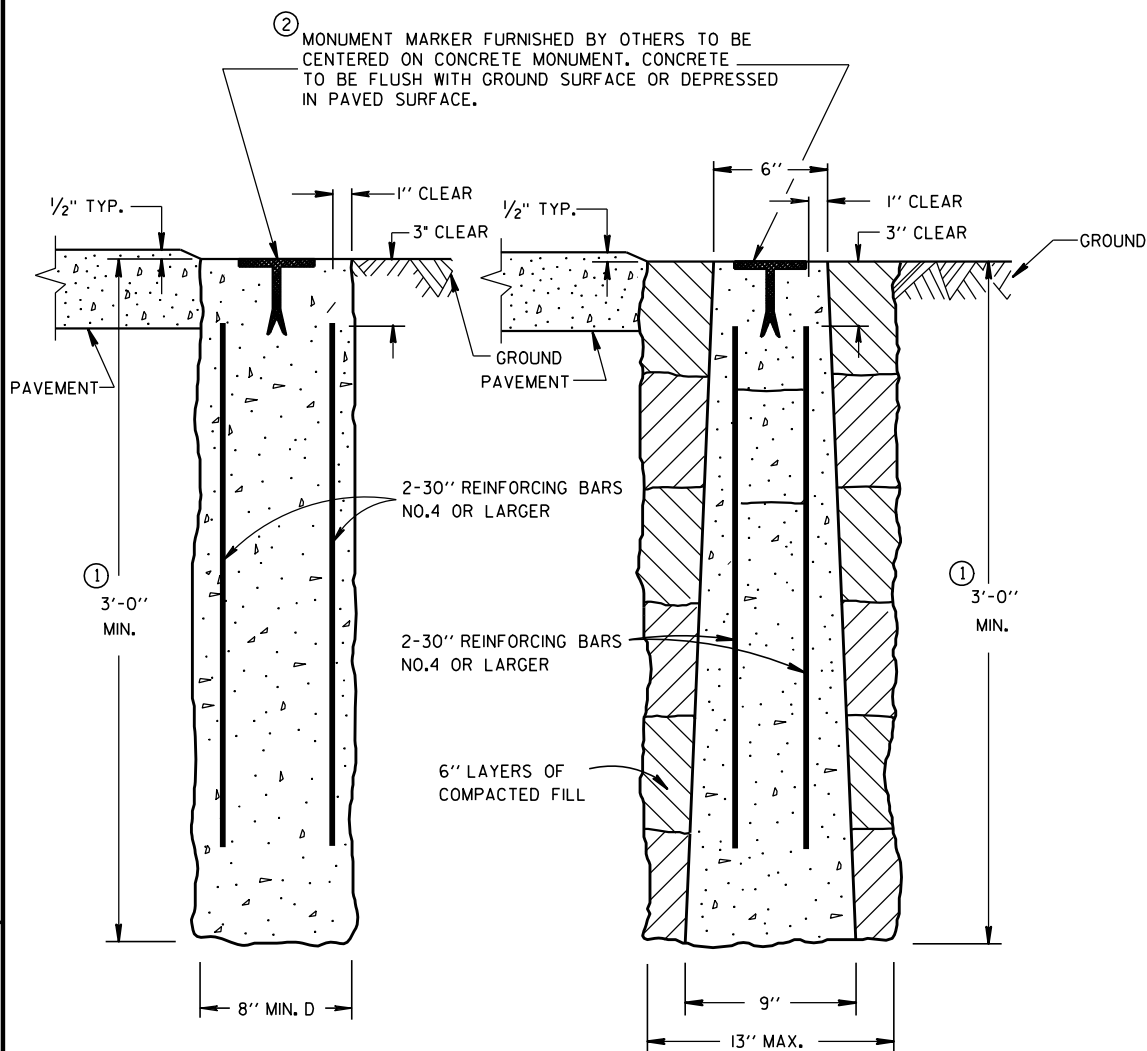
6



S.D.D. 15 D 33-3

TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 8/2013 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

S.D.D. 15 D 33-3

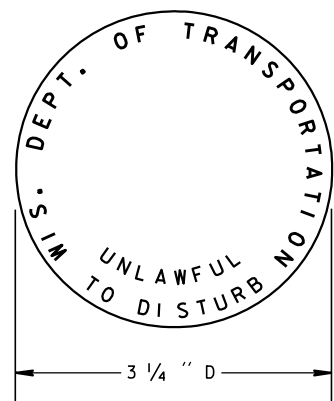


CAST-IN-PLACE

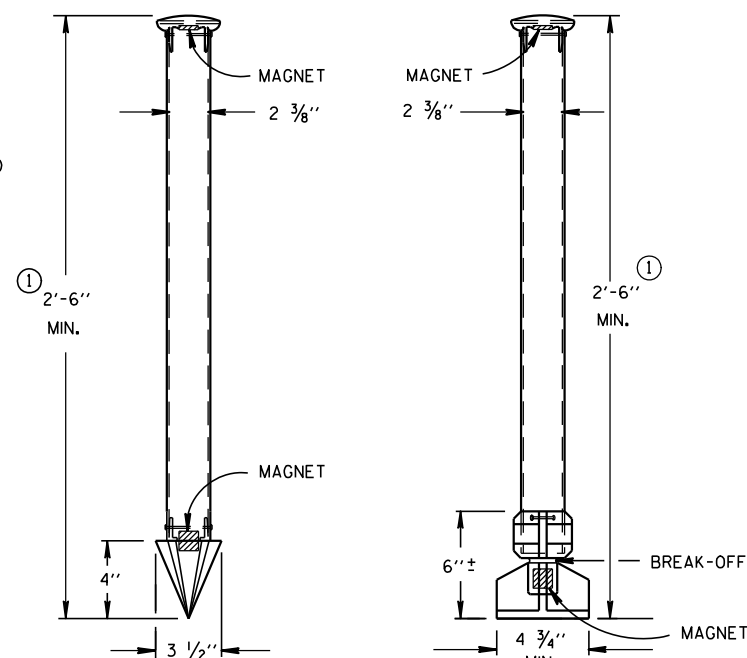
PRECAST

CONCRETE MONUMENTS

TYPE A



② WIS DOT MONUMENT MARKER LOGO
FOR TYPES "A", "C" & "D"



TYPE C

TYPE D

DRIVE-IN MONUMENT

BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)

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.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

INSTALLED METAL MONUMENTS MUST BE EASILY DETECTED WITH A DIP NEEDLE. INSERT PERMANENT MAGNETS SHALL BE ATTACHED NEAR THE TOP AND BOTTOM OF THOSE MONUMENTS CONSTRUCTED OF A METAL ALLOY WHICH IS NOT ATTRACTIVE TO A DIP NEEDLE.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

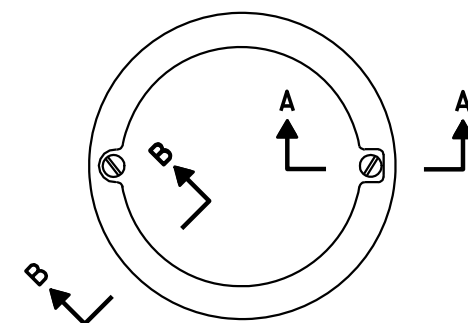
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

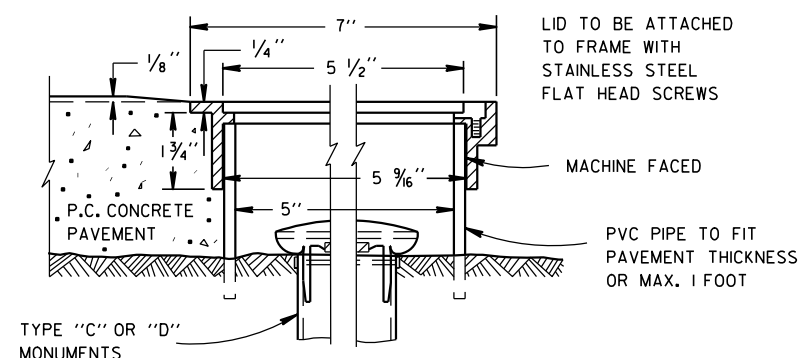
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

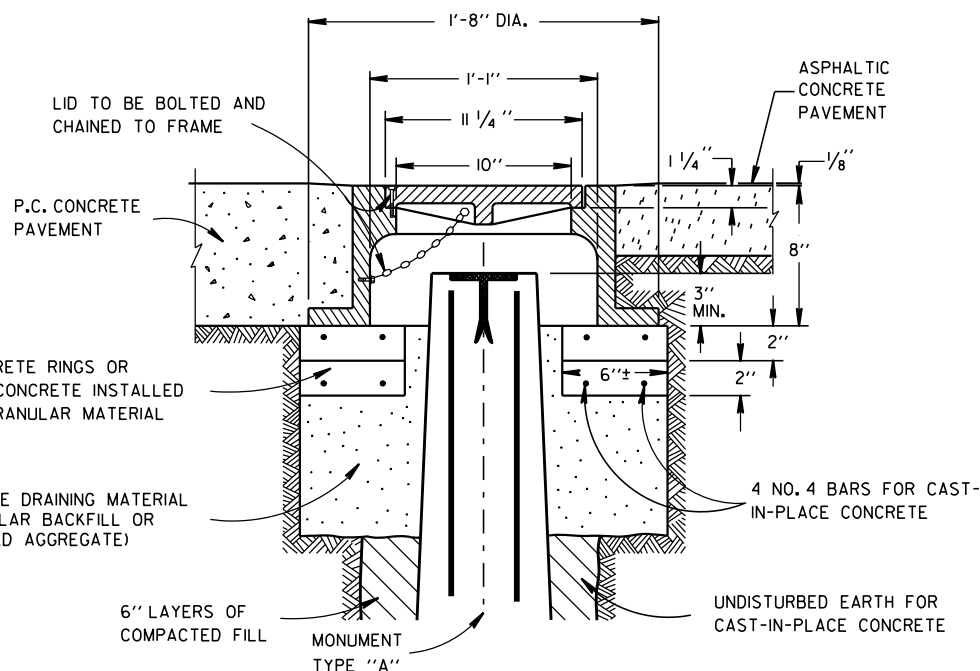
② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.



TOP VIEW

SECTION B-B SECTION A-A
ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT - 95 LBS.)

LANDMARK REFERENCE
MONUMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/22/1999

DATE

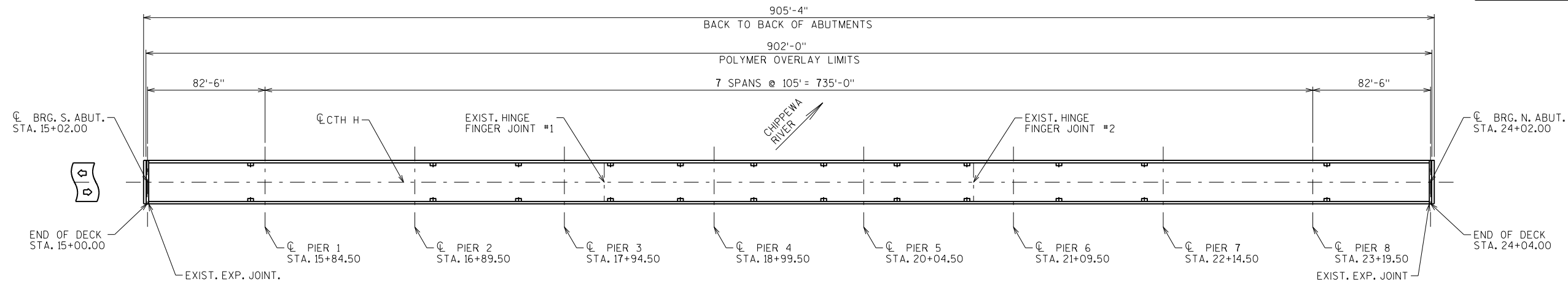
FHWA

/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER

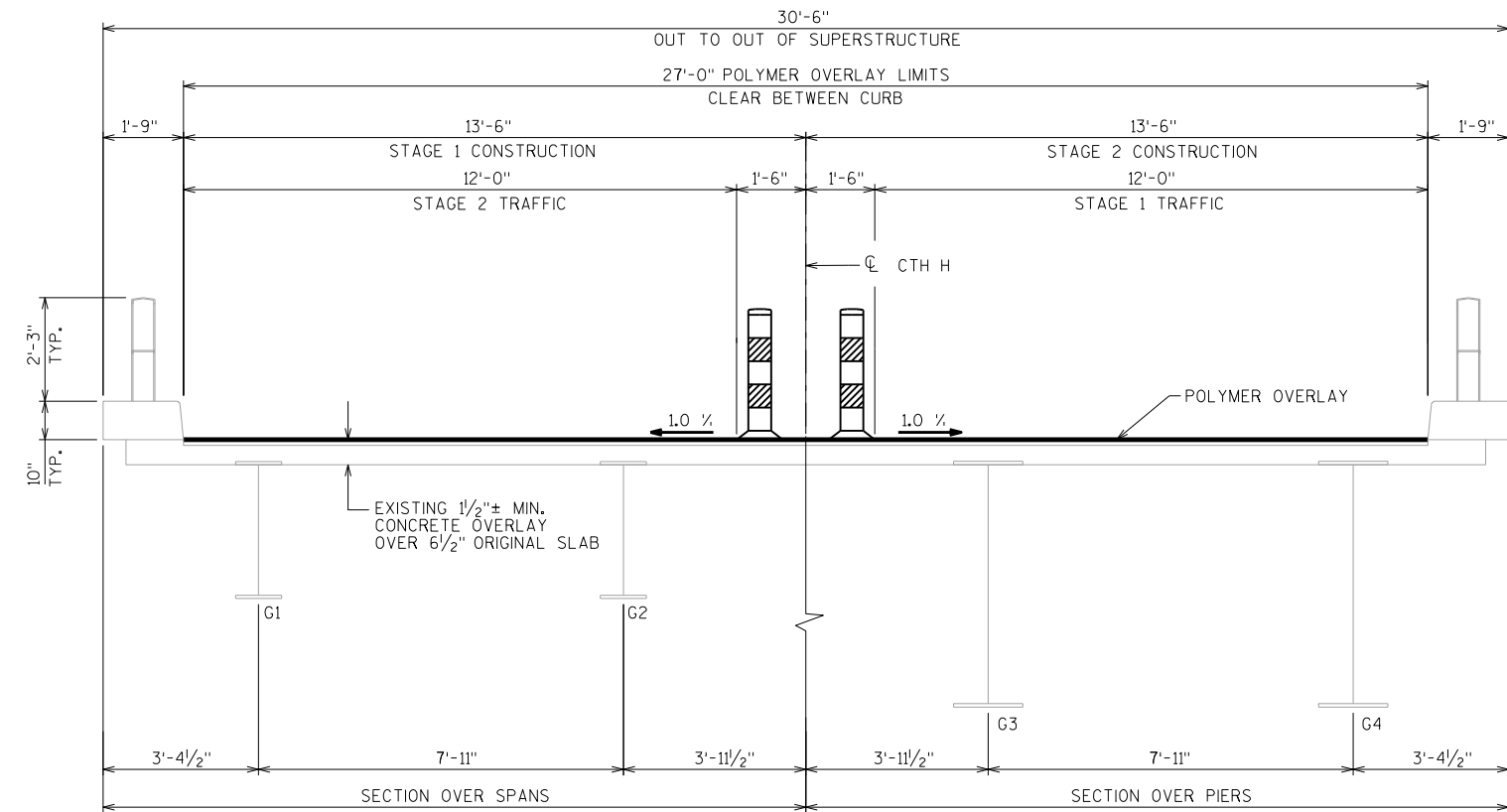


STATE PROJECT NUMBER

7880-07-70



PLAN



CROSS SECTION THRU BRIDGE

(LOOKING NORTH)

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
203.0225.S	DEBRIS CONTAINMENT STRUCTURE B-17-70	LS	1
509.0301	PREPARATION DECKS TYPE 1	SY	10
509.0302	PREPARATION DECKS TYPE 2	SY	2
509.5100.S	POLYMER OVERLAY	SY	2706
SPV.0035	CONCRETE MASONRY DECK PATCHING	CY	2
SPV.0090	SAWING PAVEMENT DECK PREPARATION AREAS	LF	120


DESIGN DATA

LIVE LOAD:
INVENTORY RATING: HS-10
OPERATIONAL RATING: HS-17
MAXIMUM STANDARD OPERATING VEHICLE LOAD: 90 KIPS

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
DIMENSIONS SHOWN ARE BASED ON THE EXISTING ORIGINAL STRUCTURE PLANS AND THE EXISTING METRIC REHAB PLANS.
STAGE 1 AND STAGE 2 DESIGNATIONS FOR CONSTRUCTION ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT INDICATIVE OF THE ORDER IN WHICH WORK MUST BE PERFORMED. FIELD ENGINEER WILL DETERMINE ORDER IN WHICH WORK SHALL BE PERFORMED.
AREAS OF "PREPARATION DECKS TYPE 1 AND 2" ARE FOR INFORMATIONAL PURPOSES ONLY AND FINAL AREAS SHALL BE DETERMINED BY THE FIELD ENGINEER.

STRUCTURES DESIGN CONTACTS:
CARLA PRINCIPE (608) 261-6110
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY
 Plans Prepared By WISDOT BUREAU OF STRUCTURES			
ACCEPTED <i>William C. Dreher</i>		DATE 7/28/15	
CHIEF STRUCTURES DESIGN ENGINEER			
STRUCTURE B-17-70			
CTH H OVER CHIPPEWA RIVER			
COUNTY	DUNN	TOWN/CITY/VILLAGE	ROCK CREEK
DESIGN SPEC.	REHABILITATION	N/A	
DESIGNED BY	CSP	DESIGN CK'D.	KCY
DRAWN BY	CSP	PLANS CK'D.	JJS
POLYMER OVERLAY			SHEET 1 OF 1

LIST OF DRAWINGS

1. POLYMER OVERLAY

I.D. 7887-07-00A

DATE: JUL 2015



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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