MAD

PROJECT ID: 1001-10-81

WITH: N/A

COUNTY: DANE/ROCK

APRIL 2020

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 = 220



33

DESIGN DESIGNATION		IH 39 SOUTH SEGMENT	IH 39 CENTRAL SEGMENT	IH 39 NORTH SEGMENT
A.A.D.T.	(2020) =	57,600	55,500	59,700
A.A.D.T.	(2040) =	81,300	71,100	70,300
D.H.V.	(2040) =	5,000	4,400	4,000
D.D.	(%) =	58/42	58/42	60/40
T.	(%) =	35.1	29.1	29.1
DESIGN SPEED	(MPH) =	70	70	70
ESALS	=	59,600,000	45,400,000	39,000,000

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 (300'EB')
- 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) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

ILLINOIS STATE LINE - MADISON

ILLINOIS STATE LINE - MADISON

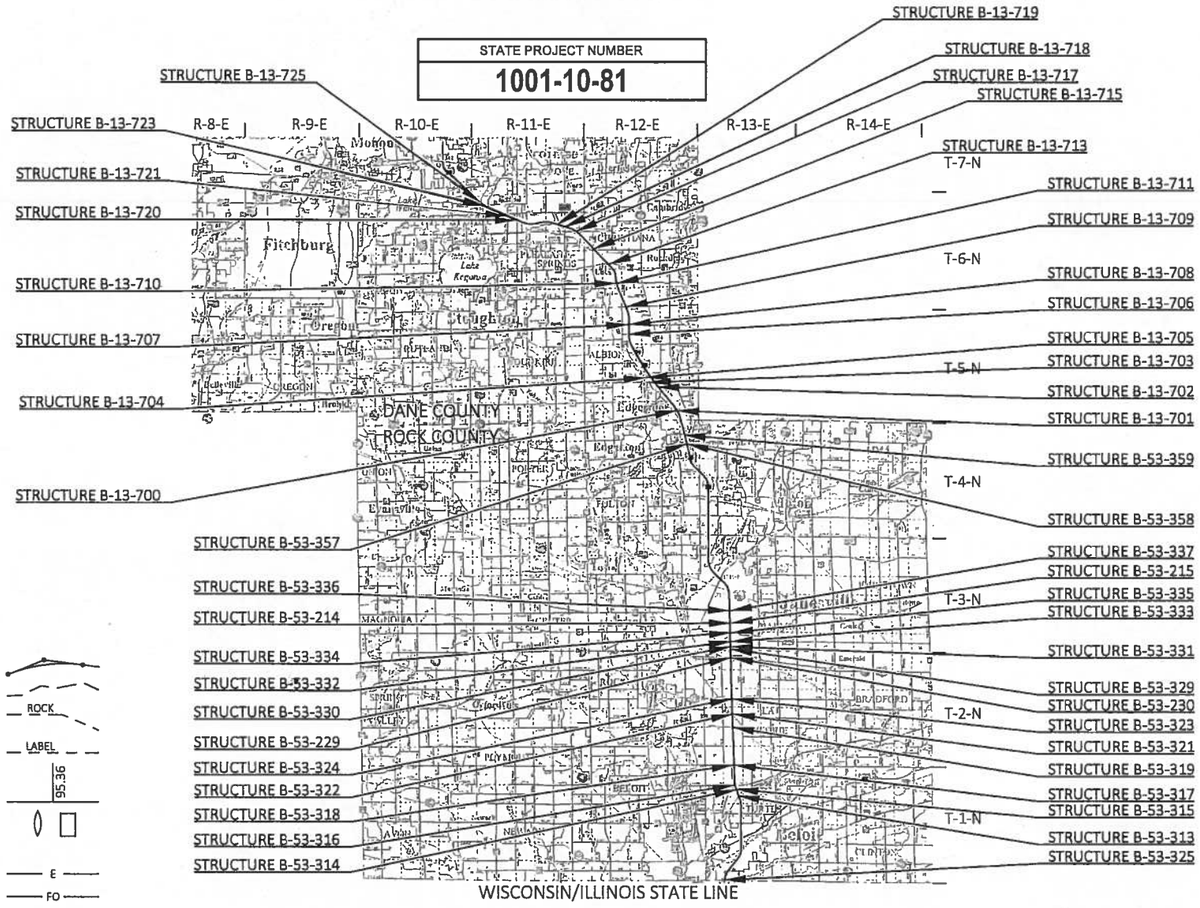
IH 39

DANE/ROCK

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1001-10-81	———	———

STATE PROJECT NUMBER

1001-10-81



LAYOUT

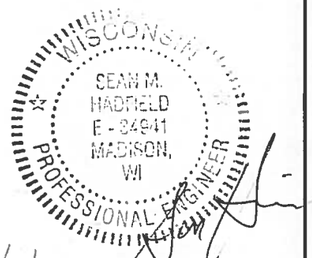
SCALE 0 8 MI

TOTAL NET LENGTH OF CENTERLINE = 0.000 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), COUNTY COUNTY, NAD83 (HYEAR), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (VYEAR). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ORIGINAL PLANS PREPARED BY

AECOM



11/1/19

(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	
Designer	AECOM
Project Manager	JIM BUSCHKOPF
Regional Examiner	JIM BUSCHKOPF
Regional Supervisor	

APPROVED FOR THE DEPARTMENT

DATE: 11/1/19 (Signature)

E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\010101_TI.DWG

PLOT DATE : 11/1/2019 12:01 PM

PLOT BY : JENINGA, JAMES

PLOT NAME :

2

GENERAL NOTES

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

BE AWARE THAT ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.

ADJUST TRAFFIC CONTROL DEVICE LOCATIONS TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.

DETAIL SHEET INDEX

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
TRAFFIC CONTROL

ABBREVIATIONS

(100')	RECORDED AS
A.A.D.T.	ANNUAL AVERAGE DAILY TRAFFIC
AC	ACRES
AP	ACCESS POINT/DRIVEWAY CONNECTION
AR	ACCESS RIGHTS
ASPH.	ASPHALTIC
ET. AL.	AND OTHERS
B.A.D.	BASE AGGREGATE DENSE
BM	BENCH MARK
C & G	CURB AND GUTTER
℄ OR CL	CENTERLINE
C.A.B.C.	CRUSHED AGGREGATE BASE COURSE
C.P.	CULVERT PIPE
C.P.C.S.	CULVERT PIPE CORRUGATED STEEL
C.P.R.C.	CULVERT PIPE REINFORCED CONCRETE
C.T.H.	COUNTY TRUNK HIGHWAY
CE	COMMERCIAL ENTRANCE
C.M.C.P.	CORRUGATED METAL CULVERT PIPE
CONC.	CONCRETE
COR.	CORNER
CSM	CERTIFIED SURVEY MAP
CWT.	HUNDREDWEIGHT
D	DEGREE OF CURVE
D.D.	DIRECTIONAL DISTRIBUTION
D.H.V.	DESIGN HOUR VOLUME
DIA.	DIAMETER
DOC.	DOCUMENT
E.	EAST
E.B.S.	EXCAVATION BELOW SUBGRADE
E.S.A.L.	EQUIVALENT SINGLE AXLE LOAD
EASE.	EASEMENT
EB	EASTBOUND
EL OR ELEV	ELEVATION
ELEC.	ELECTRIC (AL)
EXC.	EXCAVATION
EXIST.	EXISTING
F.E.	FIELD ENTRANCE
F.L. OR F/L	FLOW LINE
FT.	FOOT
H.E.	HIGHWAY EASEMENT
HMA	HOT MIX ASPHALT
INL.	INLET
INV.	INVERT
IP OR I.P.	IRON PIN
L	LENGTH OF CURVE
L.H.F.	LEFT-HAND FORWARD
L.S.	LUMP SUM
LB.	POUND
LN	LANE
LT. OR LT	LEFT
M.L. OR M/L	MATCH LINE
MATL.	MATERIAL
MAX.	MAXIMUM
MH.	MANHOLE
MIN.	MINIMUM
MON.	MONUMENT
MP	ROADWAY MILEAGE
N.	NORTH
N.C.	NORMAL CROWN
NB	NORTH BOUND
OBLIT	OBLITERATE
P.	PAGE
P.A.S.P.	PIPE ARCH STRUCTURAL PLATE
P.C.	POINT OF CURVATURE
P.C.C.	POINT OF COMPOUND CURVE
P.E.	PRIVATE ENTRANCE
P.I.	POINT OF INTERSECTION
P.L.	PROPERTY LINE
P.L.E.	PERMANENT LIMITED EASEMENT
P.T.	POINT OF TANGENCY
PAVT.	PAVEMENT
PROJ.	PROJECT
PT.	POINT
R	RADIUS
R.H.F.	RIGHT-HAND FORWARD
℞ OR R/L	REFERENCE LINE
R/W	RIGHT-OF-WAY
R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE
RD.	ROAD
REBAR.	REINFORCEMENT BAR

ABBREVIATIONS CONT.

REINF	REINFORCING OR REINFORCEMENT
REM.	REMAINING
REQD.	REQUIRED
ROR	RELEASE OF RIGHTS
RR.	RAILROAD
RRSP	RAILROAD SPIKE
RT OR RT.	RIGHT
S.	SOUTH
S.D.D.	STANDARD DETAIL DRAWINGS
S.E.	SUPERELEVATION
S.F. OR SQ.FT.	SQUARE FEET
S.S.	STORM SEWER
S.S.P.R.C.	STORM SEWER PIPE REINFORCED CONCRETE
S.T.H.	STATE TRUNK HIGHWAYS
S.Y. OR SQ.YD.	SQUARE YARD
SALV.	SALVAGED
SB	SOUTHBOUND
SEC.	SECTION
SHLDR.	SHOULDER
SPECS.	SPECIFICATIONS
STA.	STATION
STD.	STANDARD
T	TANGENT
T. %	TRUCKS (PERCENT OF)
T.L.E.	TEMPORARY LIMITED EASEMENT
T.P.M.	TEMPORARY PAVEMENT MARKING
T.P.M.R.T.	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE
TEL.	TELEPHONE
TEMP.	TEMPORARY
TYP.	TYPICAL
U.S.H.	UNITED STATES HIGHWAY
UG.	UNDERGROUND
V	VOLUME
V.C.	VERTICAL CURVE
W.	WEST
WB	WESTBOUND
X	EAST GRID COORDINATE
Y	NORTH GRID COORDINATE

2

PROJECT NO: 1001-10-81	HWY: IH 39	COUNTY: DANE & ROCK	PLAN: GENERAL NOTES	SHEET 2	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\020101_GN.DWG PLOT DATE : 2/20/2020 7:39 AM PLOT BY : OLSON, JOSHUA PLOT NAME : PLOT SCALE : 1 IN:20 FT
**** - ****
WISDOT/CADDS SHEET 42

2

WISDOT

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hammetter@wins.net

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ahaggerty@watcocompanies.com

DAVID C. LAPLANT
UNION PACIFIC RAILROAD COMPANY
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OMAHA, NE 68179
(402) 544-8563

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MUFN -
COMMUNICATION LINE
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ISTHA -
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ceiker@getipass.com

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TOWN OF FULTON

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jhanewall@townofalbion.net

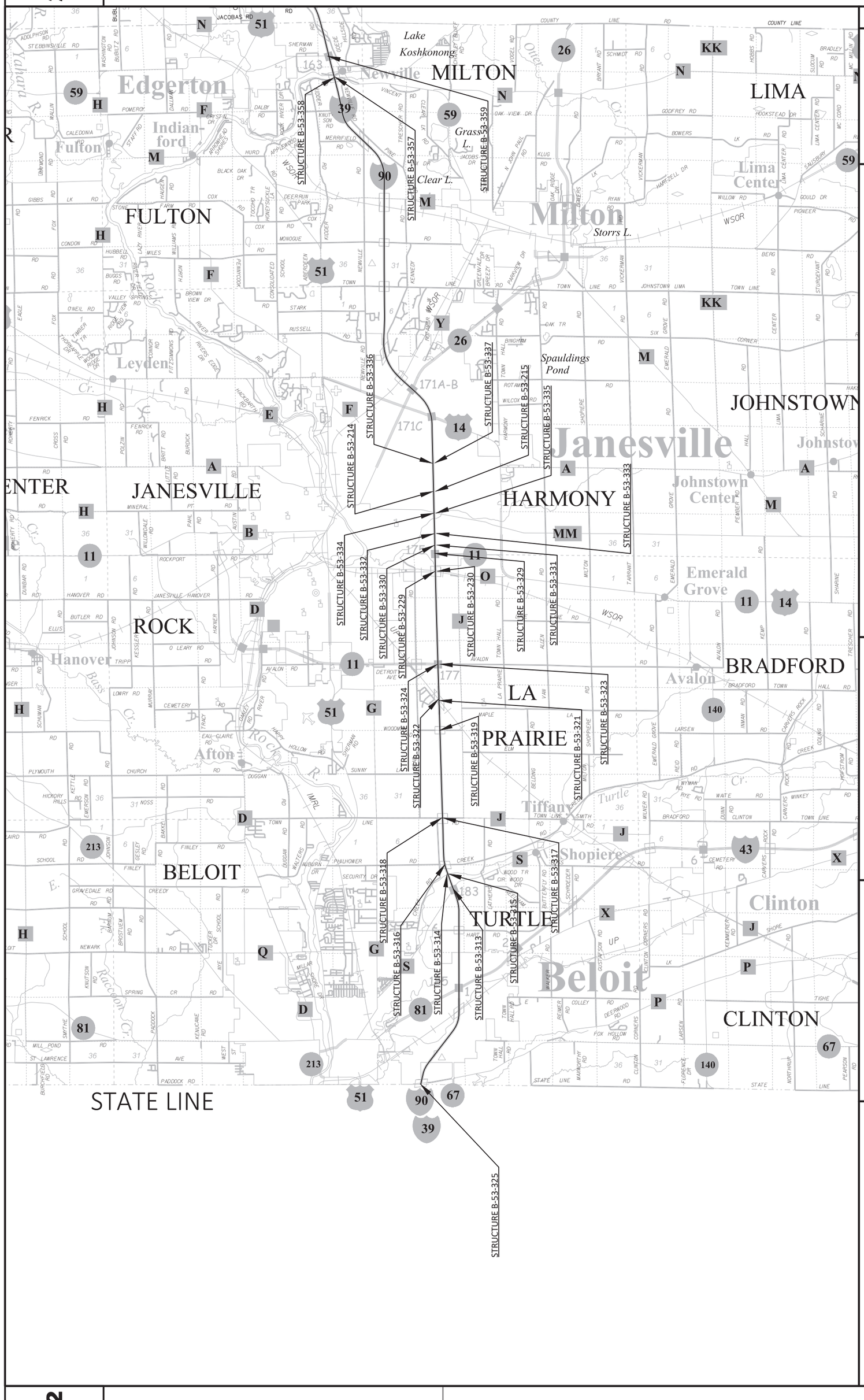
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maureen.lien@gmail.com

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DAVID PFEIFFER
2354 COUNTY HIGHWAY N
STOUGHTON, WI 53589
(608) 873-3063

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



PROJECT NO:1001-10-81 | HWY:IH 39 | COUNTY:DANE & ROCK | PLAN: PROJECT OVERVIEW | SHEET 4

PLOT DATE : 7/18/2019 12:15 PM | PLOT BY : OLSON, JOSHUA | PLOT NAME :

PLOT SCALE : 1 IN:2 MI | WISDOT/CADDS SHEET 42

FILE NAME : \\USMSNIFS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\020201_PO.DWG

2

STRUCTURE B-13-725

STRUCTURE B-13-723

STRUCTURE B-13-721

STRUCTURE B-13-720

STRUCTURE 13-718

STRUCTURE B-13-719

STRUCTURE B-13-717

STRUCTURE 13-715

STRUCTURE 13-713

STRUCTURE 13-710

STRUCTURE 13-707

STRUCTURE 13-711

STRUCTURE 13-709

STRUCTURE 13-708

STRUCTURE 13-706

STRUCTURE 13-704

STRUCTURE 13-702

STRUCTURE 13-700

STRUCTURE B-53-357

STRUCTURE 13-705

STRUCTURE B-13-703

STRUCTURE B-13-701

STRUCTURE B-53-359

STRUCTURE B-53-358

PROJECT NO: 1001-10-81	HWY: IH 39	COUNTY: DANE & ROCK	PLAN: PROJECT OVERVIEW	SHEET 5	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\020201_PO.DWG
**** - ****
PLOT DATE : 7/18/2019 12:15 PM
PLOT BY : OLSON, JOSHUA
PLOT NAME :
PLOT SCALE : 1 IN:2 MI

2

2

MARKING LINE EPOXY 8-INCH (WHITE)

CTH S

35'S'

I-39/90 SB

I-39/90 NB

MARKING LINE EPOXY 4-INCH (WHITE)

PROJECT NO:1001-10-81	HWY: IH 39/90	COUNTY:DANE & ROCK	PLAN: PAVEMENT MARKING, B-53-313	SHEET 6	E

FILE NAME : L:\WORK\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_PM_B-53-313.DWG
**** - ****

PLOT DATE : 9/3/2008 9:36 AM PLOT BY : MROZ, ZACHARY T. PLOT NAME : ---------- PLOT SCALE : 1 IN:40 FT

2

2

N

TURTLE CREEK

MARKING LINE EPOXY 4-INCH (WHITE)

I-39/90 SB

370'NB'

I-39/90 NB

MARKING LINE EPOXY 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

MARKING LINE EPOXY 4-INCH (YELLOW)

MARKING LINE EPOXY 8-INCH (WHITE) (3' DASH, 9' SKIP)

MARKING LINE EPOXY 4-INCH (WHITE)

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: DANE	PLAN: PAVEMENT MARKING, B-53-314/315	SHEET 7	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_PM_B-53-314 & 315.DWG DWG DATE : 8/5/2019 2:52 PM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : 1 IN:40 FT

**** - ****

WISDOT/CADDS SHEET 42

2

N

MARKING LINE EPOXY 4-INCH (YELLOW)

MARKING LINE EPOXY 8-INCH (WHITE)

STH 11 EB

280AE

MARKING DIAGONAL EPOXY 12-INCH (WHITE)
(25' SPACING)

280AW

STH 11 WB

MARKING LINE EPOXY 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

I-39/90 SB

I-39/90 NB

MARKING LINE EPOXY 4-INCH (WHITE)

MARKING LINE EPOXY 4-INCH (YELLOW)

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: PAVEMENT MARKING, B-53-323/324	SHEET 8	E

2

2

N

WSOR

CTH O

MARKING LINE EPOXY 4-INCH (WHITE)

MARKING LINE EPOXY 8-INCH (WHITE)

I-39/90 SB

I-39/90 NB

MARKING LINE EPOXY 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

MARKING LINE EPOXY 4-INCH (YELLOW)

MARKING LINE EPOXY 8-INCH (WHITE) (3' DASH, 9' SKIP)

MARKING LINE EPOXY 4-INCH (WHITE)

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: PAVEMENT MARKING, B-53-229/230	SHEET 9	E

2

2

N

145'RW'

150'RW'

150'RE'

RACINE ST

MARKING LINE EPOXY 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
(25' SPACING)

MARKING LINE EPOXY 4-INCH (YELLOW)

I-39/90 SB

I-39/90 NB

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: PAVEMENT MARKING, B-53-329	SHEET 10	E

2

2

PALMER DRIVE

N

MARKING LINE EPOXY 4-INCH (WHITE)

MARKING LINE EPOXY 8-INCH (WHITE) (3' DASH, 9' SKIP)

I-39/90 SB

780'SB'

780'NB'

MARKING LINE EPOXY 4-INCH (YELLOW)

I-39/90 NB

MARKING LINE EPOXY
4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

MARKING LINE EPOXY 8-INCH (WHITE)

MARKING LINE EPOXY 4-INCH (WHITE)

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: PAVEMENT MARKING, B-53-330/331	SHEET 11	E

2

N

MARKING LINE EPOXY 4-INCH (WHITE)

MATCHLINE STA 789+00 'NB'

I-39/90 SB

800'SB'

800'NB'

I-39/90 NB

MARKING LINE EPOXY 4-INCH (YELLOW)

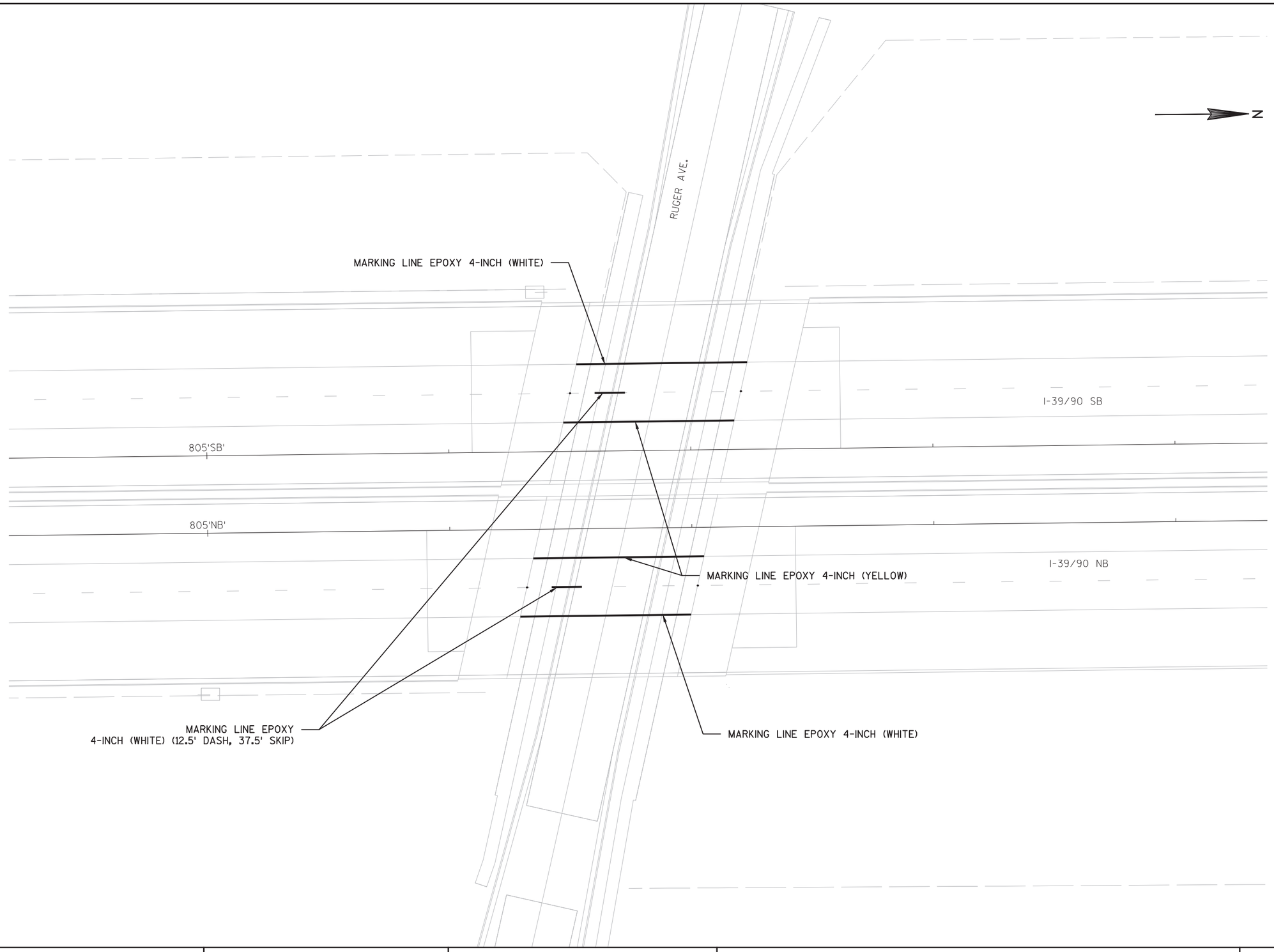
MARKING LINE EPOXY
4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

SPRING BROOK

MARKING LINE EPOXY 4-INCH (WHITE)

PROJECT NO:1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: PAVEMENT MARKING, B-53-332/333	SHEET 12	E

2



PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: PAVEMENT MARKING, B-53-334/335	SHEET 13	E

2

2

N

MILWAUKEE ST.

MARKING LINE EPOXY 4-INCH (WHITE)

I-39/90 SB

850'SB'

850'NB'

MARKING LINE EPOXY 4-INCH (YELLOW)

I-39/90 NB

MARKING LINE EPOXY
4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

MARKING LINE EPOXY 4-INCH (WHITE)

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: PAVEMENT MARKING, B-53-214/215	SHEET 14	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_PM_JANESVILLE.DWGPLOT DATE : 9/3/2008 9:36 AM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : 1 IN:40 FT

**** - ****

WISDOT/CADDS SHEET 42

2

2

N

MT. ZION AVE.

MARKING LINE EPOXY 4-INCH (WHITE)

I-39/90 SB

860'SB'

865'SB'

860'NB'

865'NB'

I-39/90 NB

MARKING LINE EPOXY 4-INCH (YELLOW)

MARKING LINE EPOXY
4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

MARKING LINE EPOXY 4-INCH (WHITE)

PROJECT NO:1001-10-81	HWY:IH 39/90	COUNTY:ROCK	PLAN: PAVEMENT MARKING, B-53-336/337	SHEET 15	E

2

N

I-39/90 SB

I-39/90 NB

MARKING LINE EPOXY 4-INCH (WHITE)

MARKING LINE EPOXY 4-INCH (YELLOW)

MARKING LINE EPOXY 4-INCH (YELLOW)

MARKING LINE EPOXY 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

MARKING LINE EPOXY 4-INCH (WHITE)

PROJECT NO:1001-10-81	HWY:IH 39/90	COUNTY:DANE	PLAN: PAVEMENT MARKING, B-53-357/358	SHEET 16	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_PM_B-53-357 & 358.DWG PLOT DATE : 8/7/2019 11:46 AM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : 1 IN:40 FT
**** - ****

2

2

N

MARKING LINE EPOXY 4-INCH (WHITE)

I-39/90 SB

MARKING LINE EPOXY 4-INCH (YELLOW)

MARKING LINE EPOXY 4-INCH (YELLOW)

I-39/90 NB

MARKING LINE EPOXY 4-INCH (WHITE)

MARKING LINE EPOXY 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: DANE	PLAN: PAVEMENT MARKING, B-53-357/358	SHEET 17	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_PM_B-53-357 & 358.DWG PLOT DATE : 8/7/2019 11:46 AM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : 1 IN:40 FT

**** - ****

2

2

N

MARKING LINE EPOXY 4-INCH (YELLOW)

MARKING LINE EPOXY 4-INCH (WHITE)

STH 59

SIGN

SIGN

I-39/90 SB

I-39/90 NB

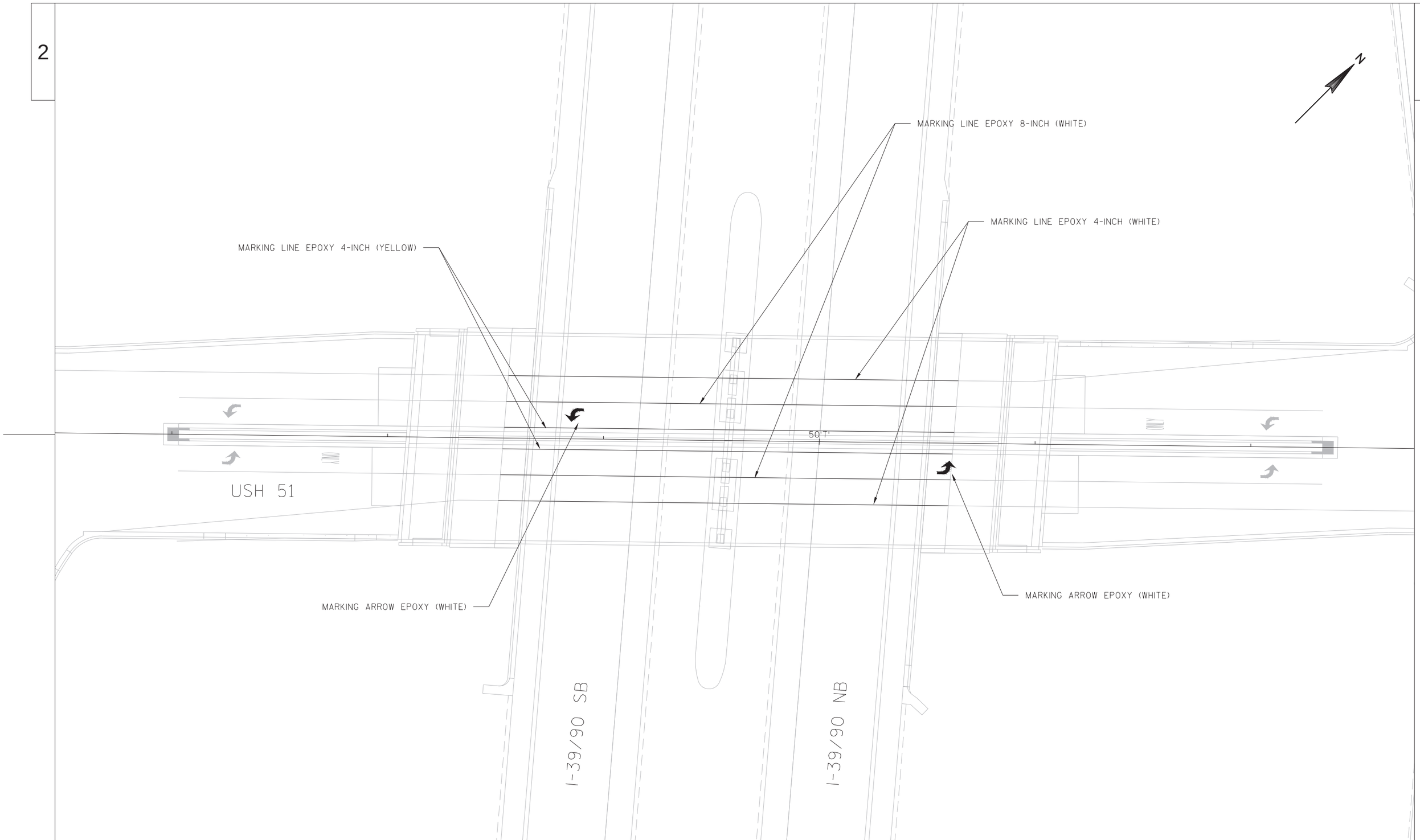
PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: PAVEMENT MARKING, B-53-359	SHEET 18	E

FILE NAME : L:\WORK\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_PM_B-53-359.DWG
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PLOT DATE : 9/3/2008 9:36 AM PLOT BY : MROZ, ZACHARY T. PLOT NAME : ---------- PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO:1001-10-81	HWY:IH 39	COUNTY:DANE & ROCK	PLAN: PAVEMENT MARKING, B-13-702	SHEET 19	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_PM_B-13-702.DWG PLOT DATE : 10/21/2019 7:53 AM PLOT BY : JENINGA, JAMES PLOT NAME : PLOT SCALE : 1 IN:40 FT
**** - ****
WISDOT/CADDS SHEET 42

2

2

N

USH 51

I-39/90 SB

MARKING LINE EPOXY 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

MARKING LINE EPOXY 4-INCH (YELLOW)

1810

I-39/90 NB

MARKING LINE EPOXY TAPE 8-INCH (WHITE)

MARKING LINE EPOXY 4-INCH (WHITE)

PROJECT NO:1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: PAVEMENT MARKING, B-13-708	SHEET 20	E

2

2

MARKING WORD EPOXY (WHITE)

MARKING ARROW EPOXY (WHITE)

MARKING ARROW EPOXY (WHITE)

MARKING LINE EPOXY 8-INCH (WHITE) (3' DASH, 9' SKIP)

MARKING LINE EPOXY 4-INCH (WHITE)

MARKING LINE EPOXY 4-INCH (YELLOW)

98'NS'

98'NN'

CTH N

100'NS'

100'NN'

102'NS'

102'NN'

I-39/90 SB

I-39/90 NB

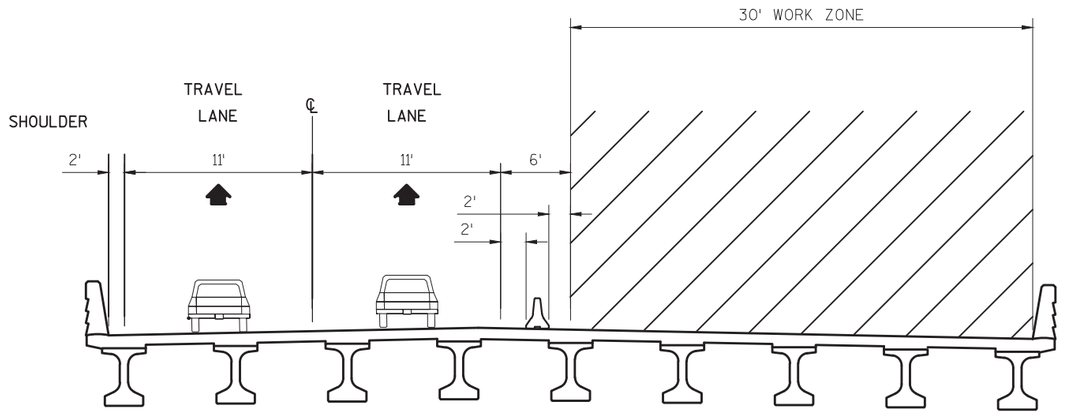
PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: PAVEMENT MARKING, B-13-720	SHEET 21	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_PM_B-13-720.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : 1 IN:40 FT

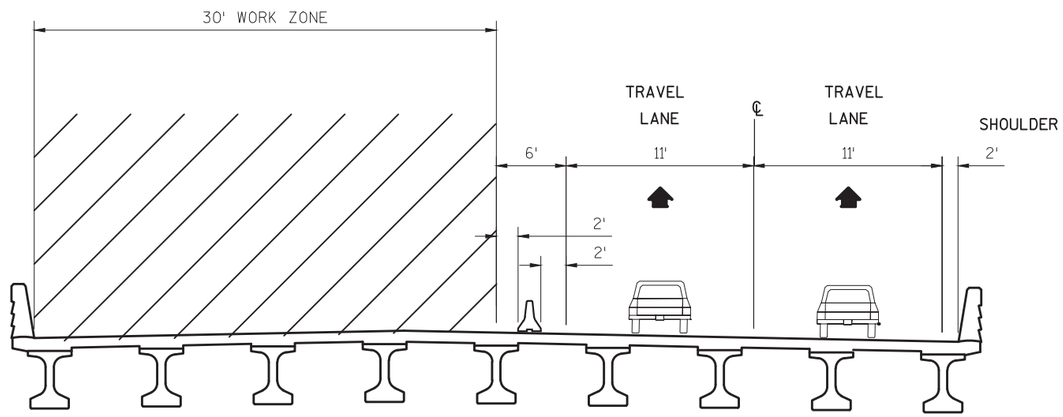
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WISDOT/CADDS SHEET 42

TRAFFIC CONTROL TYPICAL SECTION - SEE PROJECT OVERVIEW TABLE FOR EXACT BRIDGES



STAGE 1A



STAGE 1B

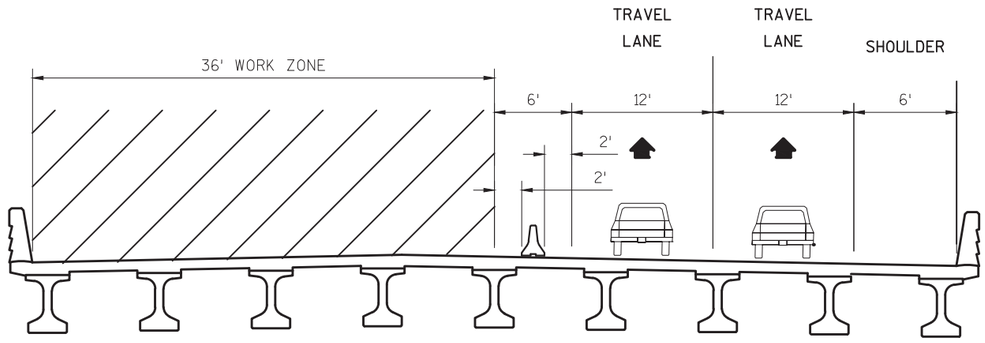
PROJECT NO:1001-10-81	HWY:IH 39	COUNTY:ROCK & DANE	TRAFFIC CONTROL TYPICAL 60' MAINLINE	SHEET 22	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TYPICALS.DWG PLOT DATE : 11/1/2019 11:09 AM PLOT BY : JENINGA, JAMES PLOT NAME : PLOT SCALE :
-

2

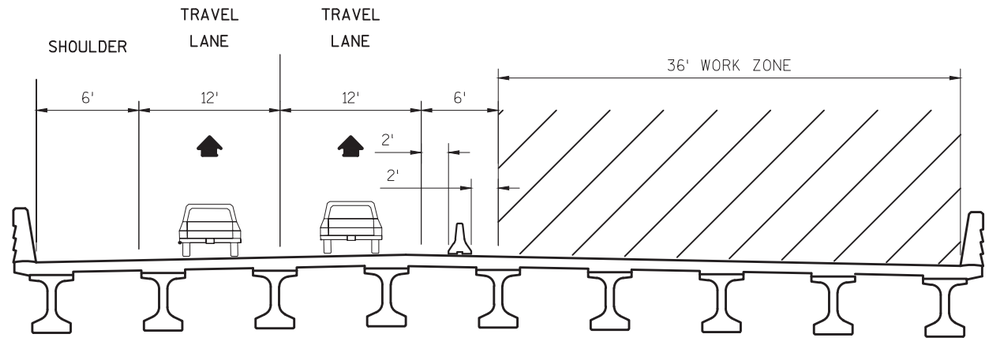
TRAFFIC CONTROL TYPICAL SECTION

(LOOKING NORTH)

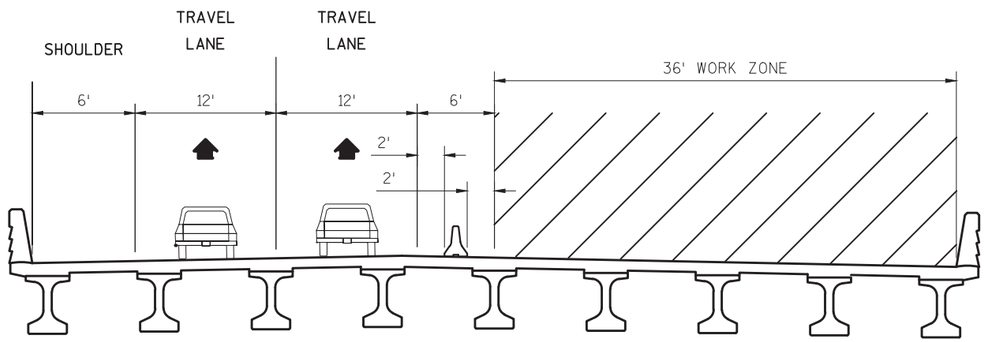


IH 39 SOUTHBOUND
(B-53-332)
(B-53-334)
(B-53-214)
(B-53-336)

STAGE 1A

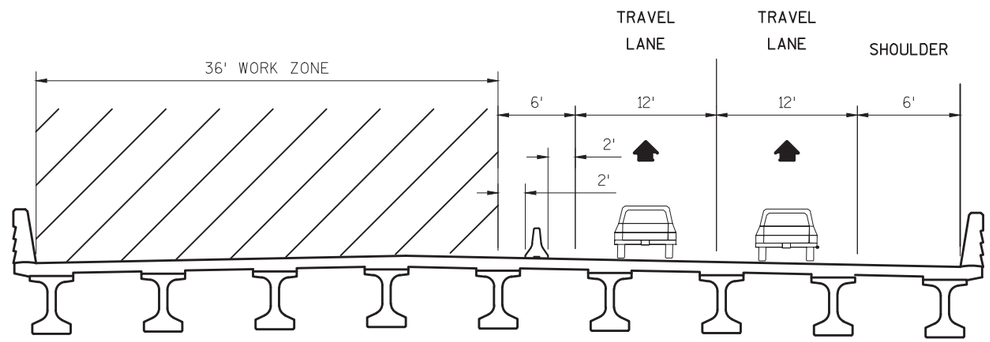


IH 39 NORTHBOUND
(B-53-333)
(B-53-335)
(B-53-215)
(B-53-337)



IH 39 SOUTHBOUND
(B-53-332)
(B-53-334)
(B-53-214)
(B-53-336)

STAGE 1B



IH 39 NORTHBOUND
(B-53-333)
(B-53-335)
(B-53-215)
(B-53-337)

PROJECT NO:1001-10-81	HWY: IH 39	COUNTY: ROCK & DANE	TRAFFIC CONTROL TYPICAL 72' MAINLINE	SHEET 23	E

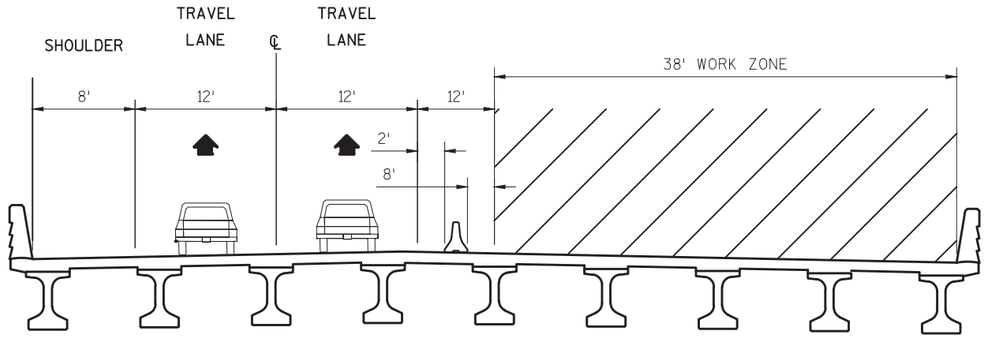
FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TYPICALS.DWG PLOT DATE : 11/1/2019 11:09 AM PLOT BY : JENINGA, JAMES PLOT NAME : PLOT SCALE : **** - ****

WISDOT/CADDS SHEET 42

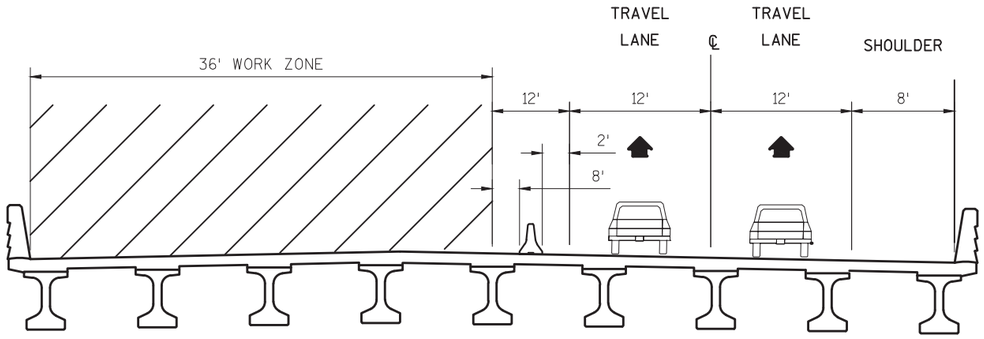
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TRAFFIC CONTROL TYPICAL SECTION

(LOOKING NORTH)

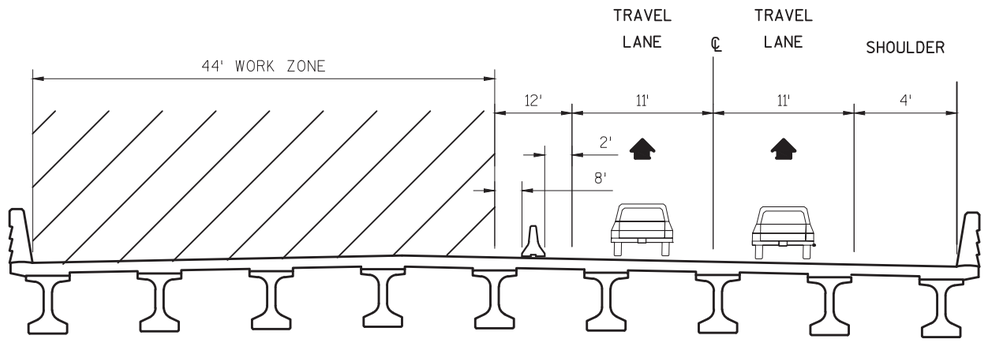


IH 39 SOUTHBOUND
(B-53-229)

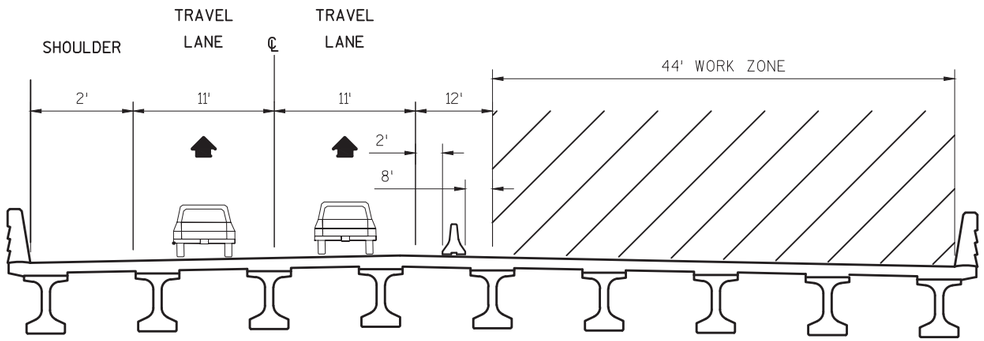


IH 39 NORTHBOUND
(B-53-230)

STAGE 1A



IH 39 SOUTHBOUND
(B-53-229)



IH 39 NORTHBOUND
(B-53-230)

STAGE 1B

PROJECT NO:1001-10-81	HWY: IH 39	COUNTY:ROCK & DANE	TRAFFIC CONTROL TYPICAL: B-53-229/230	SHEET 24	E

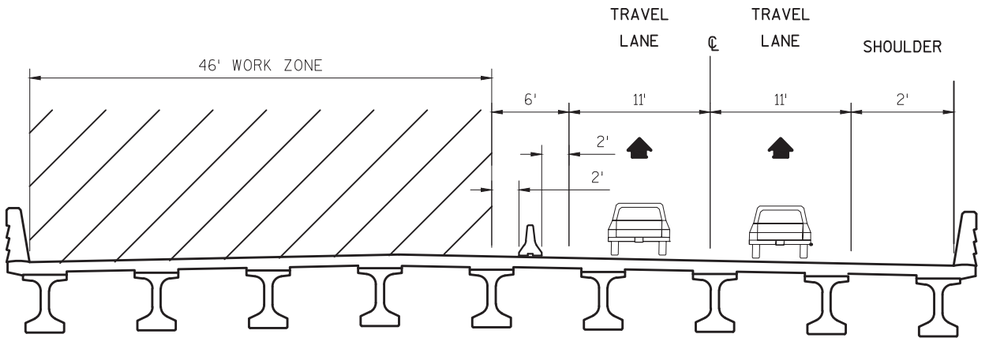
FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TYPICALS.DWG PLOT DATE : 11/1/2019 11:09 AM PLOT BY : JENINGA, JAMES PLOT NAME : PLOT SCALE : **** - ****

WISDOT/CADDS SHEET 42

2

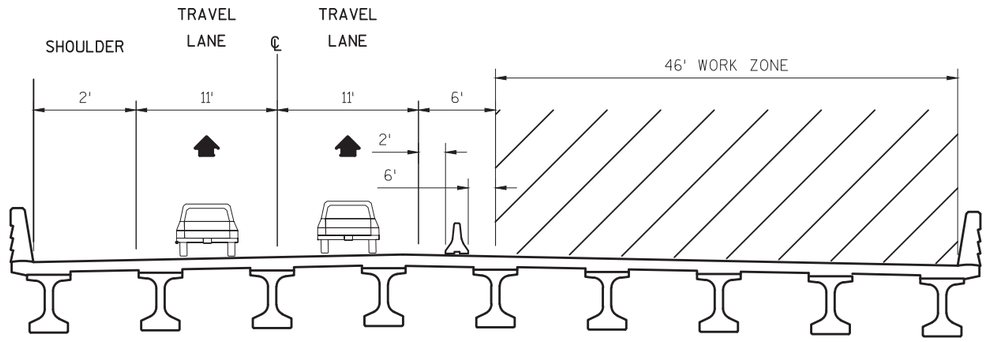
TRAFFIC CONTROL TYPICAL SECTION

(LOOKING NORTH)

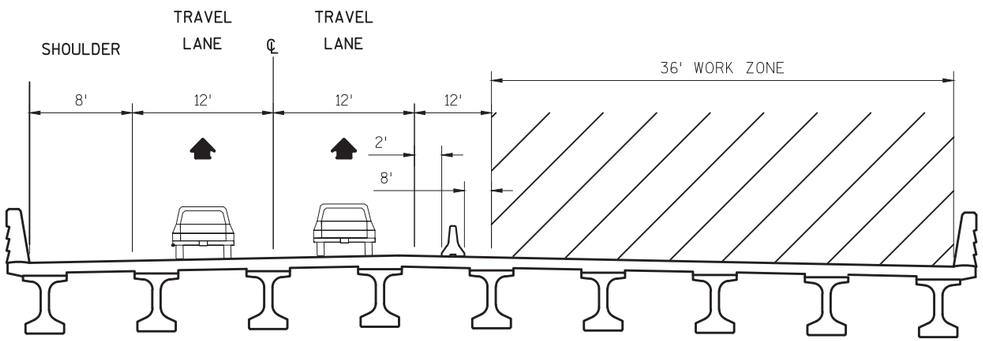


STAGE 1A

IH 39 SOUTHBOUND
(B-53-330)

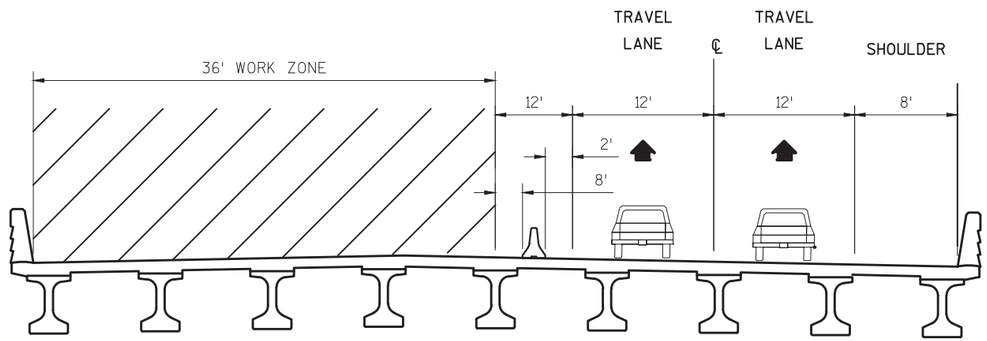


IH 39 NORTHBOUND
(B-53-331)



STAGE 1B

IH 39 SOUTHBOUND
(B-53-330)



IH 39 NORTHBOUND
(B-53-331)

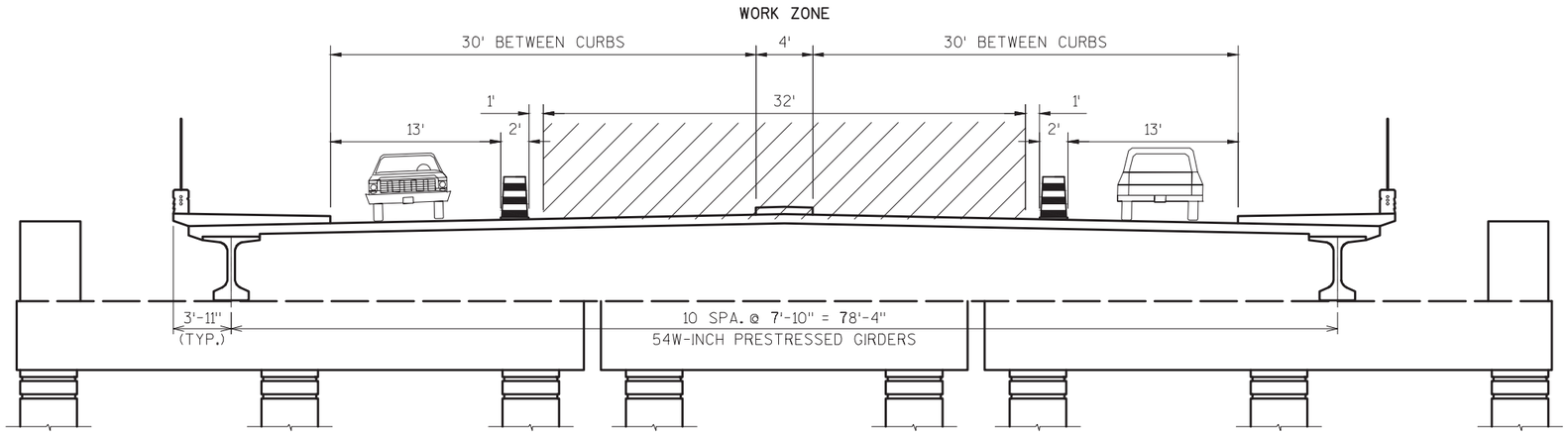
2

PROJECT NO:1001-10-81	HWY: IH 39	COUNTY:ROCK & DANE	TRAFFIC CONTROL TYPICAL: B-53-229/230	SHEET 25	E

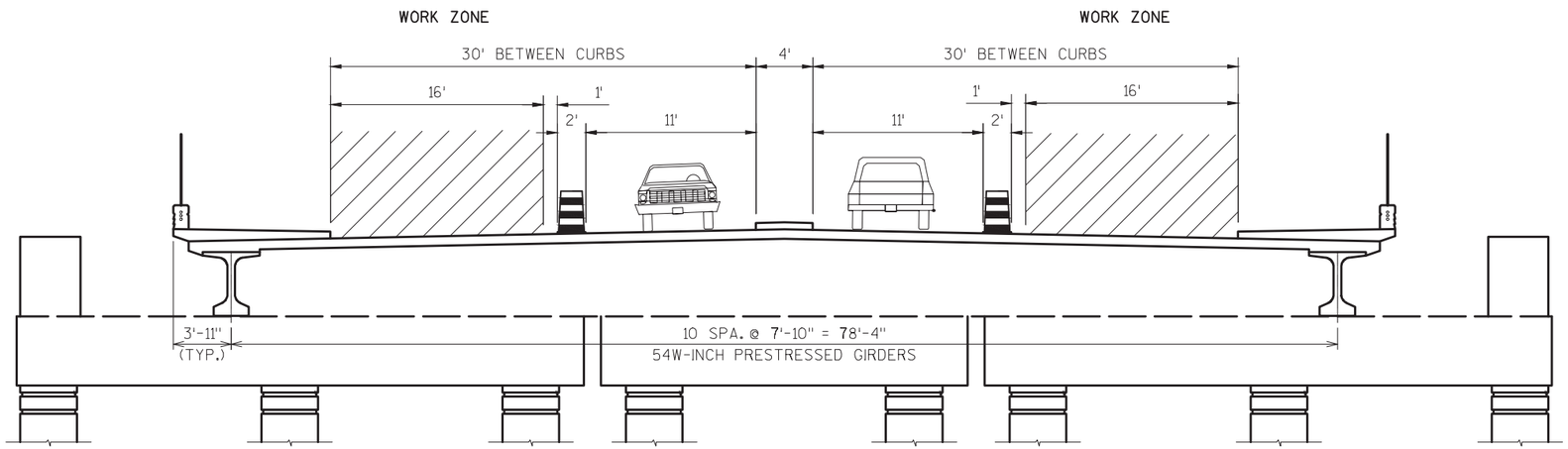
FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TYPICALS.DWG PLOT DATE : 11/1/2019 11:09 AM PLOT BY : JENINGA, JAMES PLOT NAME : PLOT SCALE : **** - ****

WISDOT/CADDS SHEET 42

2



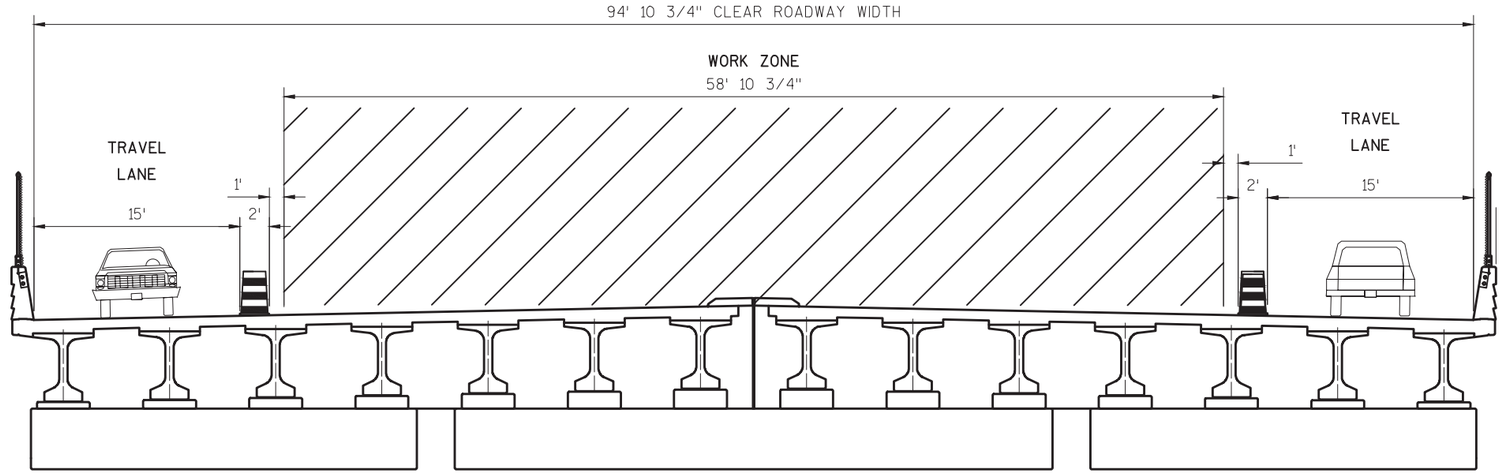
STAGE 1A



STAGE 1B

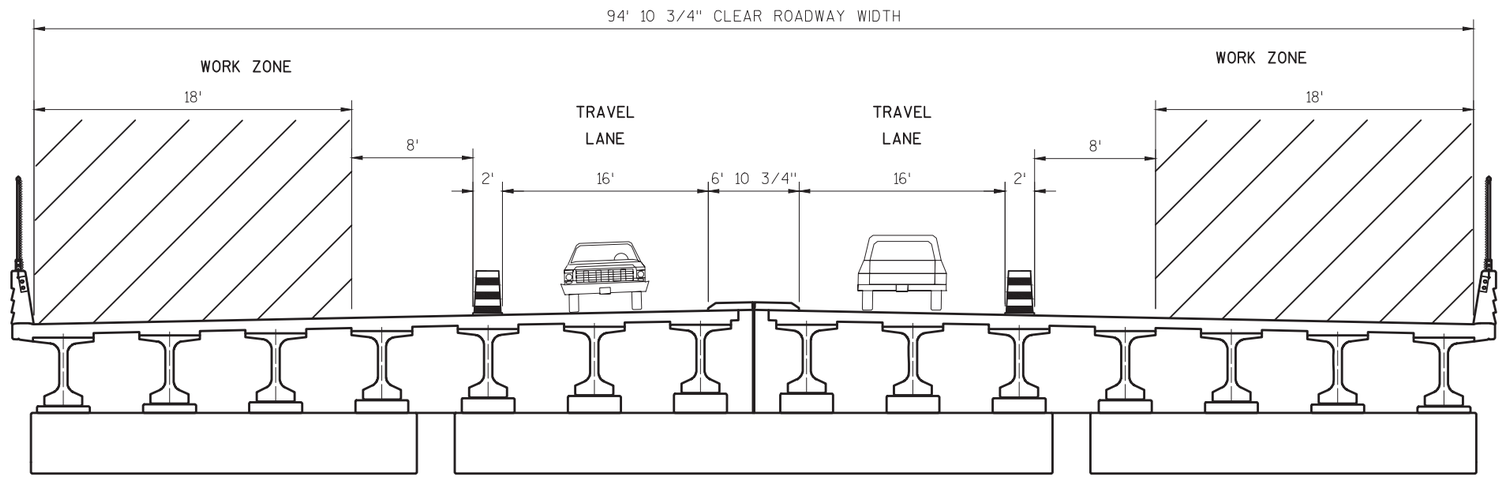
PROJECT NO: 1001-10-81	HWY: IH 39	COUNTY: ROCK & DANE	TRAFFIC CONTROL TYPICAL: B-13-720	SHEET 26	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TYPICALS.DWG PLOT DATE : 11/1/2019 11:09 AM PLOT BY : JENINGA, JAMES PLOT NAME : PLOT SCALE :
**** - ****



CROSS-SECTION THRU ROADWAY
(LOOKING EAST)

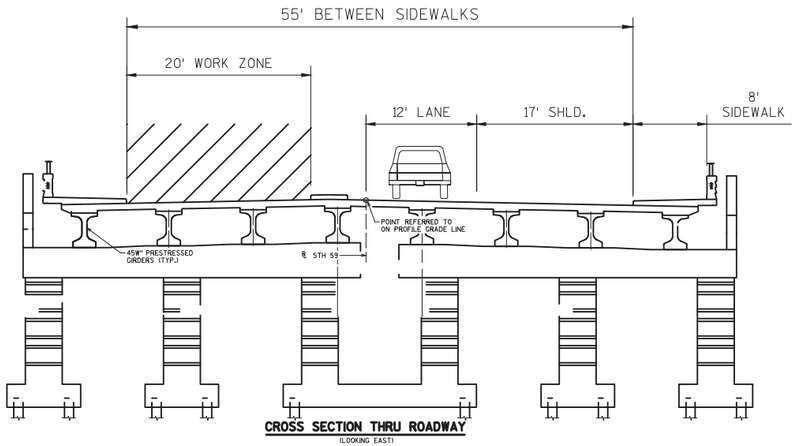
STAGE 1A



CROSS-SECTION THRU ROADWAY
(LOOKING EAST)

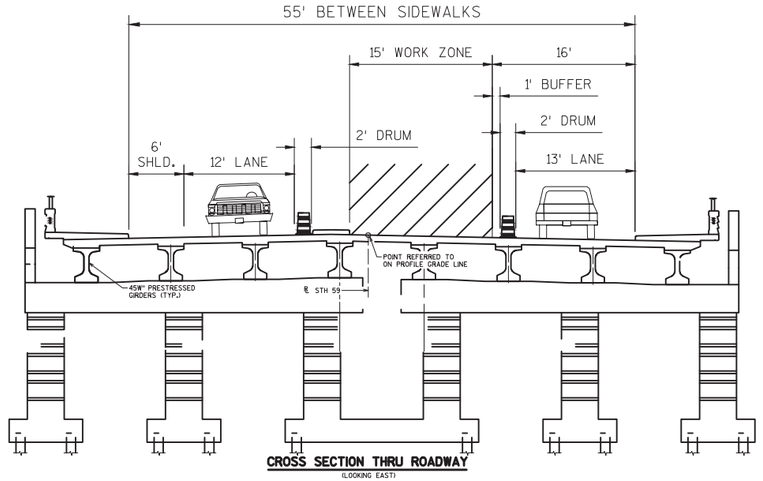
STAGE 1B

PROJECT NO: 1001-10-81	HWY: IH 39	COUNTY: ROCK & DANE	TRAFFIC CONTROL TYPICAL: B-13-702	SHEET 27	E

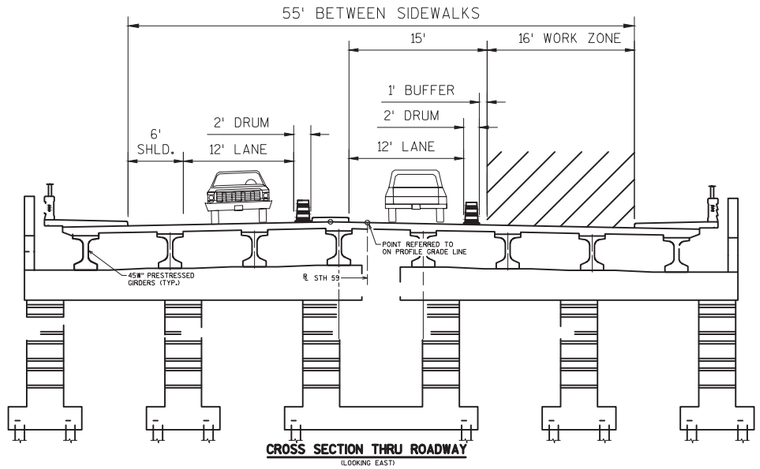


STAGE 1A

STH 59 WB POLYMER OVERLAY TO BE PERFORMED DURING A 24 HR. FULL CLOSURE. TRAFFIC TO BE ROUTED NB ON I-39/90 TO STH 73 INTERCHANGE, TRAFFIC WILL THEN BE ROUTED BACK SOUTH TO STH 59.

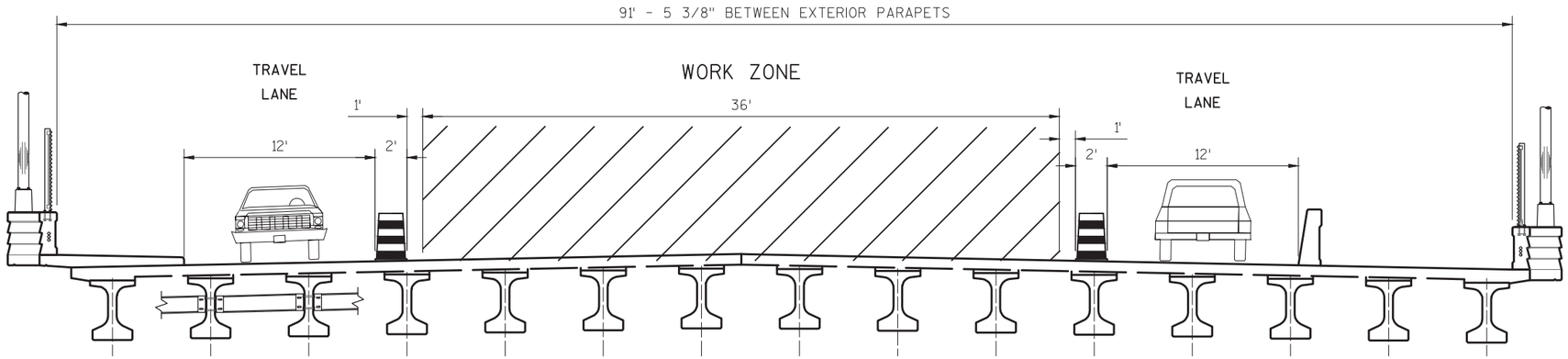


STAGE 1B



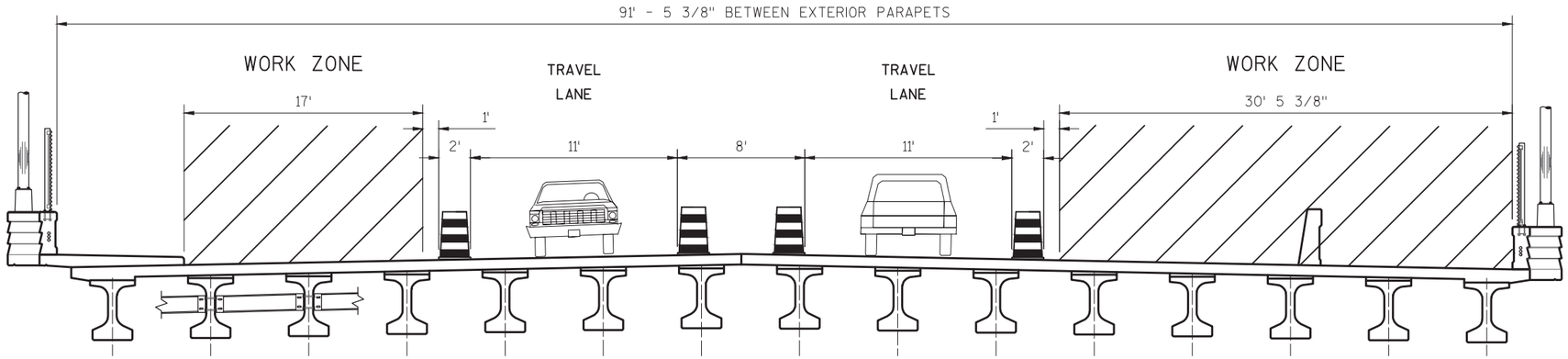
STAGE 1C

PROJECT NO: 1001-10-81	HWY: IH 39	COUNTY: ROCK & DANE	TRAFFIC CONTROL TYPICAL: B-53-359	SHEET 28	E



CROSS SECTION THRU ROADWAY IN SPAN
(LOOKING EAST)

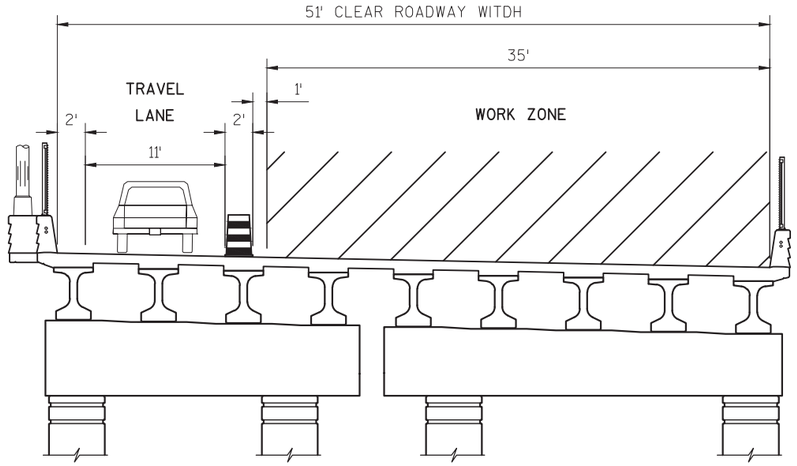
STAGE 1A



CROSS SECTION THRU ROADWAY IN SPAN
(LOOKING EAST)

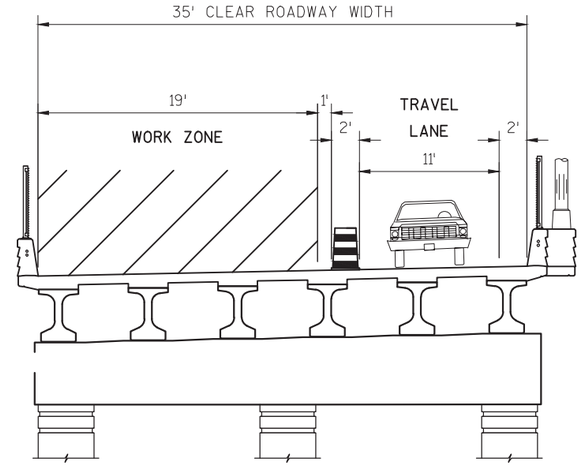
STAGE 1B

PROJECT NO: 1001-10-81	HWY: IH 39	COUNTY: ROCK & DANE	TRAFFIC CONTROL TYPICAL: B-53-329	SHEET 29	E



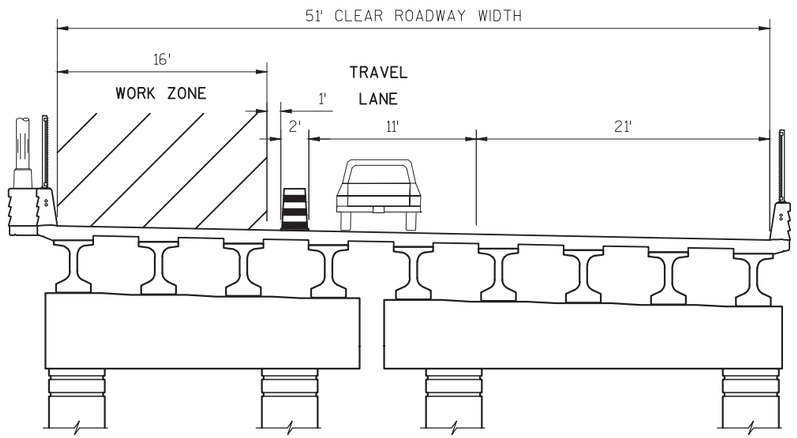
CROSS-SECTION THRU ROADWAY AT PIER
(LOOKING EAST)

B-53-323 STAGE 1A



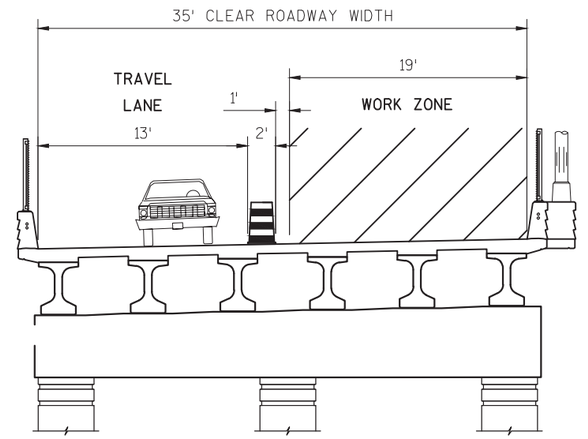
CROSS-SECTION THRU ROADWAY AT PIER
(LOOKING EAST)

B-53-324 STAGE 1A



CROSS-SECTION THRU ROADWAY AT PIER
(LOOKING EAST)

B-53-323 STAGE 1B

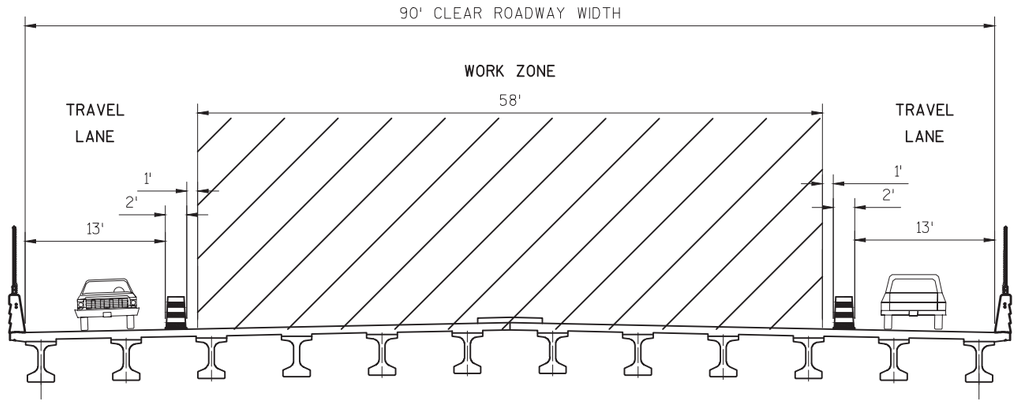


CROSS-SECTION THRU ROADWAY AT PIER
(LOOKING EAST)

B-53-324 STAGE 1B

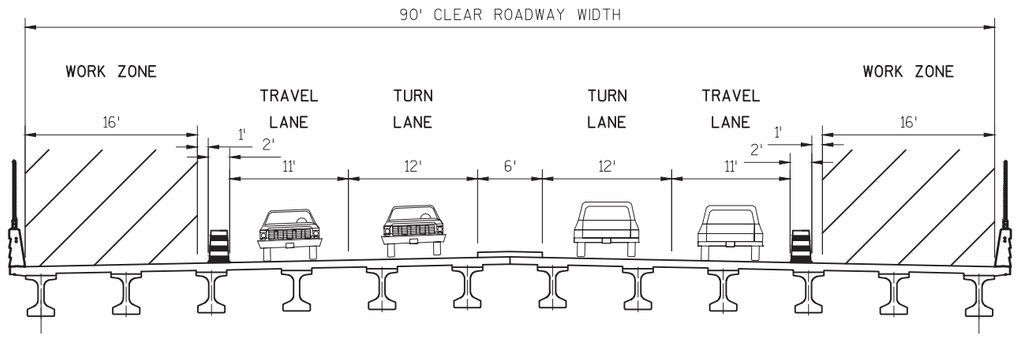
PROJECT NO:1001-10-81	HWY:IH 39	COUNTY:ROCK & DANE	TRAFFIC CONTROL TYPICAL: B-53-323/324	SHEET 30	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TYPICALS.DWG PLOT DATE : 11/1/2019 11:09 AM PLOT BY : JENINGA, JAMES PLOT NAME : PLOT SCALE : **** - ****
WISDOT/CADDS SHEET 42



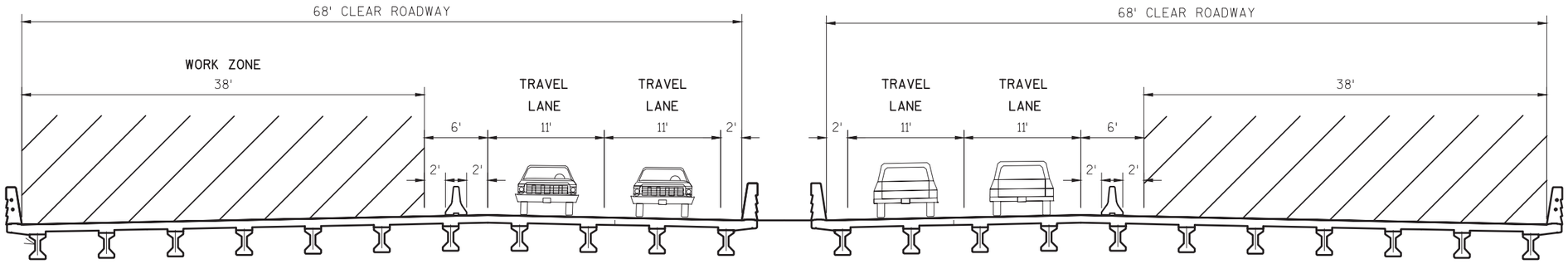
CROSS SECTION THRU ROADWAY
(LOOKING EAST)

STAGE 1A



CROSS SECTION THRU ROADWAY
(LOOKING EAST)

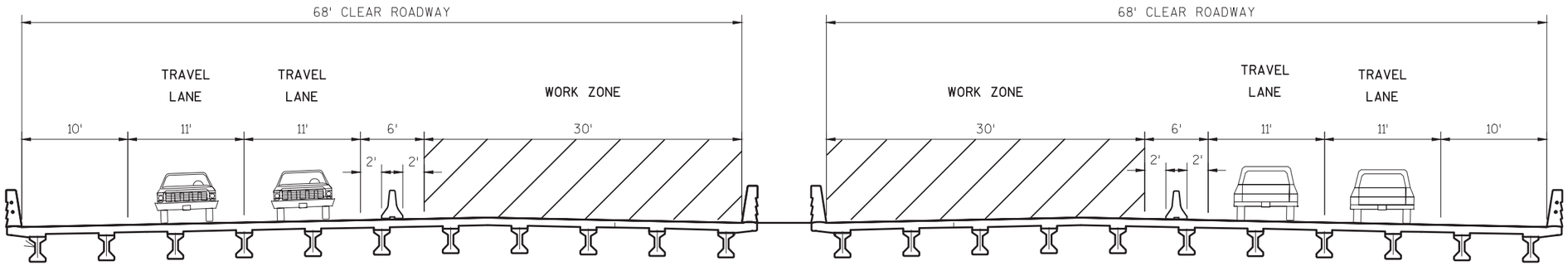
STAGE 1B



CROSS SECTION THRU ROADWAY B-53-314
(LOOKING NORTH)

STAGE 1A

CROSS SECTION THRU ROADWAY B-53-315
(LOOKING NORTH)



CROSS SECTION THRU ROADWAY B-53-314
(LOOKING NORTH)

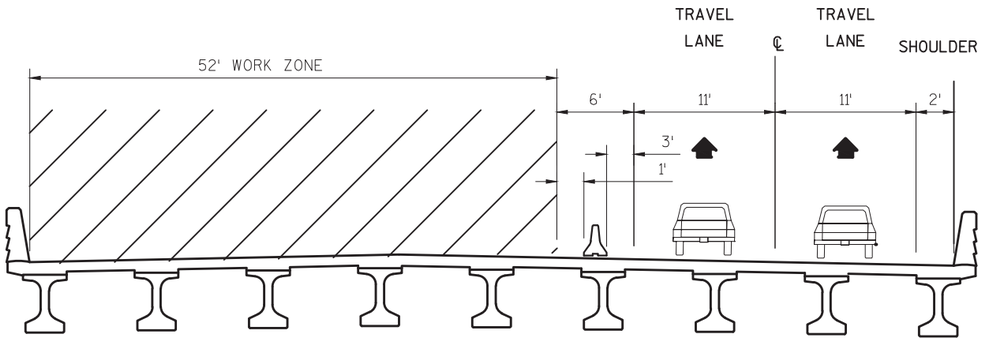
STAGE 1B

CROSS SECTION THRU ROADWAY B-53-315
(LOOKING NORTH)

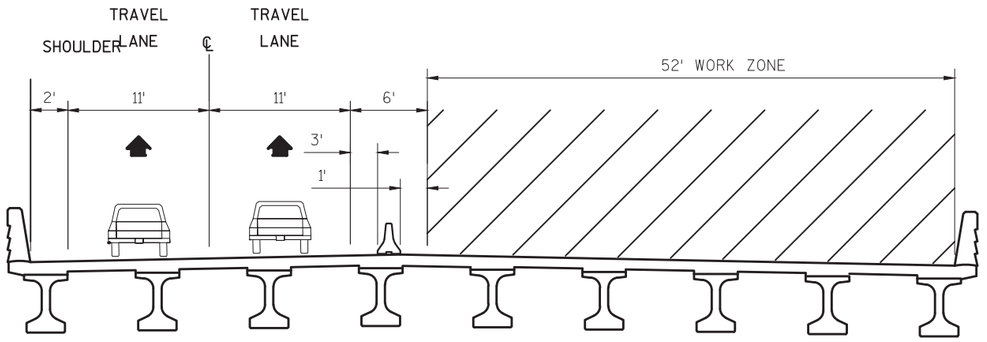
PROJECT NO:1001-10-81	HWY: IH 39	COUNTY:ROCK & DANE	TRAFFIC CONTROL TYPICAL: B-53-314/315	SHEET 32	E

TRAFFIC CONTROL TYPICAL SECTION

(LOOKING NORTH)

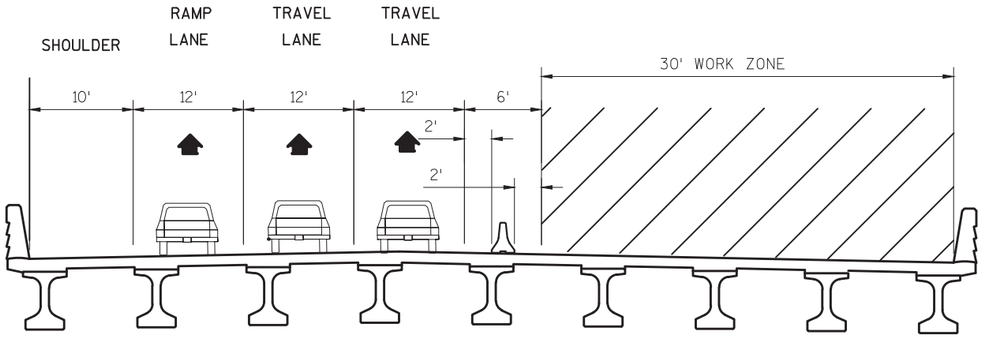


IH 39 SOUTHBOUND
(B-53-330)

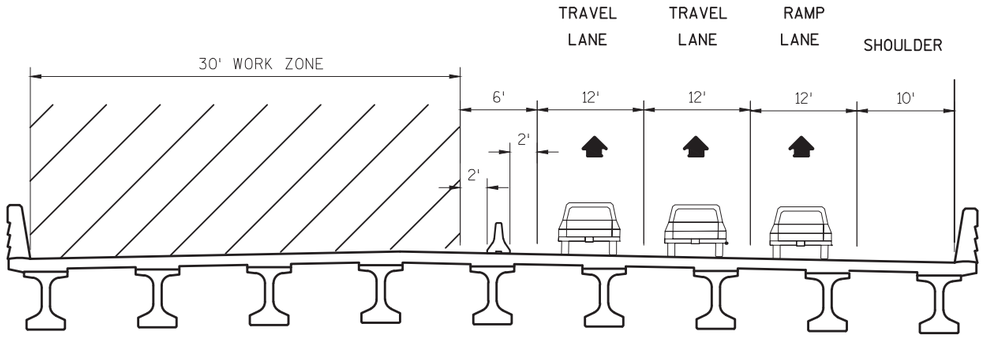


IH 39 NORTHBOUND
(B-53-331)

STAGE 1A



IH 39 SOUTHBOUND
(B-53-330)



IH 39 NORTHBOUND
(B-53-331)

STAGE 1B

PROJECT NO:1001-10-81	HWY: IH 39	COUNTY:ROCK & DANE	TRAFFIC CONTROL TYPICAL: B-53-229/230	SHEET 33	E

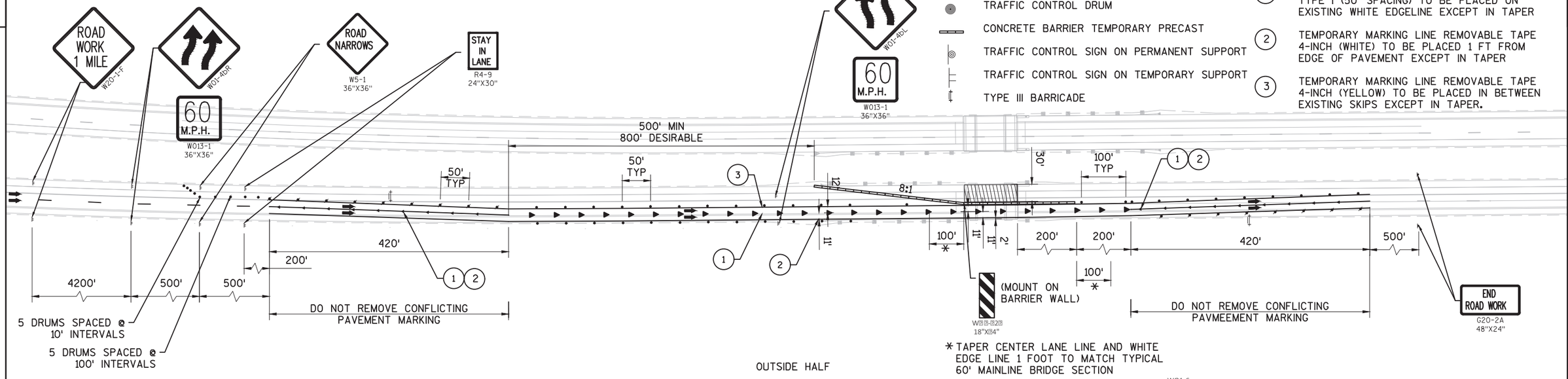
2

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE

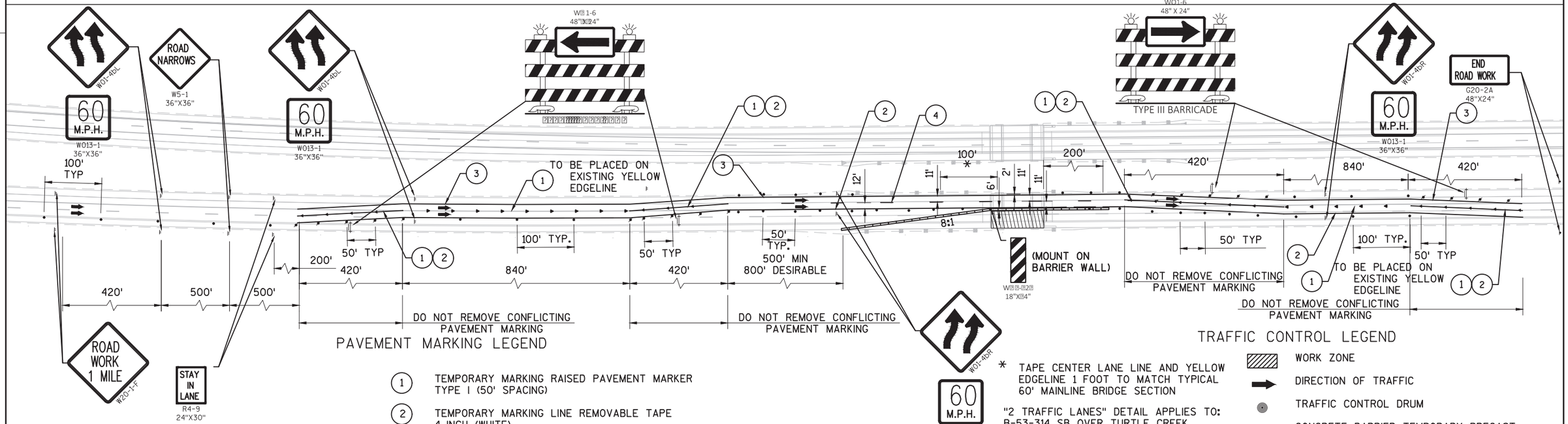
PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING) TO BE PLACED ON EXISTING WHITE EDGELINE EXCEPT IN TAPER
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) TO BE PLACED 1 FT FROM EDGE OF PAVEMENT EXCEPT IN TAPER
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) TO BE PLACED IN BETWEEN EXISTING SKIPS EXCEPT IN TAPER.



OUTSIDE HALF

* TAPER CENTER LANE LINE AND WHITE EDGE LINE 1 FOOT TO MATCH TYPICAL 60' MAINLINE BRIDGE SECTION



SEE SDD "TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)" AND SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH WITH BARRIER". REMOVING EXISTING PAVEMENT MARKING NOT REQUIRED.

PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)

MEDIAN HALF

* TAPE CENTER LANE LINE AND YELLOW EDGELINE 1 FOOT TO MATCH TYPICAL 60' MAINLINE BRIDGE SECTION

"2 TRAFFIC LANES" DETAIL APPLIES TO:
B-53-314 SB OVER TURTLE CREEK
B-53-315 NB OVER TURTLE CREEK
B-53-317 SB OVER TOWNLINE
B-53-318 NB OVER TOWNLINE
B-13-700 SB OVER LAKE DRIVE
B-53-321 SB OVER UNION PACIFIC RAILROAD
B 53-322 NB OVER UNION PACIFIC RAILROAD

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE

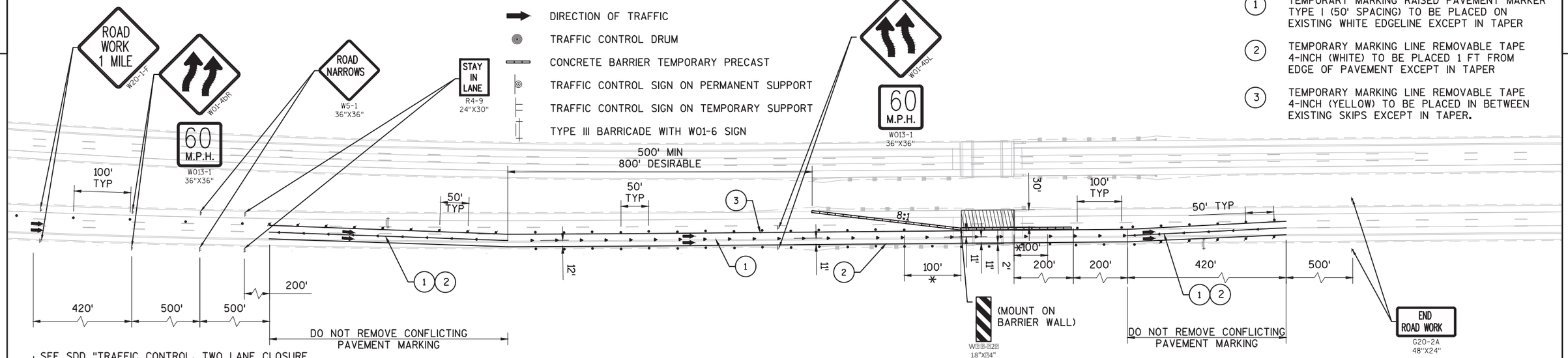
PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: TC, LANE SHIFT DETAIL, 2-LANE SHIFT (2 TRAFFIC LANES)	SHEET - 34 E

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH W01-6 SIGN

PAVEMENT MARKING LEGEND

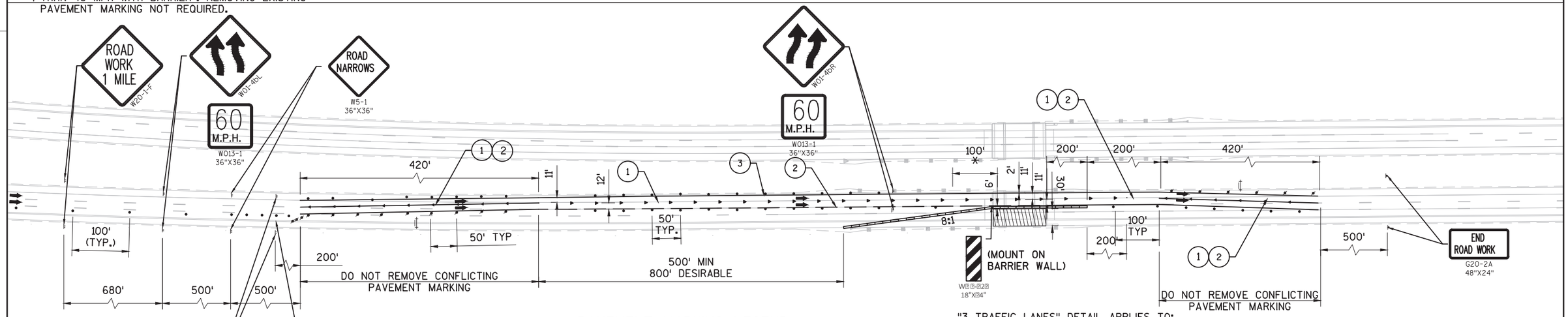
1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING) TO BE PLACED ON EXISTING WHITE EDGELINE EXCEPT IN TAPER
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) TO BE PLACED 1 FT FROM EDGE OF PAVEMENT EXCEPT IN TAPER
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) TO BE PLACED IN BETWEEN EXISTING SKIPS EXCEPT IN TAPER.



SEE SDD "TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)" AND SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH WITH BARRIER". REMOVING EXISTING PAVEMENT MARKING NOT REQUIRED.

* TAPER CENTER LANE LINE AND WHITE EDGE LINE 1 FOOT TO MATCH TYPICAL 60' MAINLINE BRIDGE SECTION

OUTSIDE HALF



5 DRUMS SPACED @ 100' INTERVALS

SEE SDD "TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)" AND SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH WITH BARRIER". REMOVING EXISTING PAVEMENT MARKING NOT REQUIRED.

* TAPER CENTER LANE LINE AND YELLOW EDGE LINE 1 FOOT TO MATCH TYPICAL 60' MAINLINE BRIDGE SECTION

PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING) TO BE PLACED ON EXISTING WHITE EDGELINE EXCEPT IN TAPER
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) TO BE PLACED IN BETWEEN EXISTING SKIPS EXCEPT IN TAPER.
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) TO BE PLACED 1 FT FROM EDGE OF PAVEMENT EXCEPT IN TAPER

MEDIAN HALF

"3 TRAFFIC LANES" DETAIL APPLIES TO:
B-13-701 NB OVER LAKE DRIVE ROAD
B-13-705 NB OVER BRANCH OF SAUNDERS CREEK
B-13-704 SB OVER BRANCH OF SAUNDERS CREEK
B-13-707 SB OVER USH 51
B-13-711 NB OVER CHURCH ROAD
B-13-710 SB OVER CHURCH ROAD
B-13-713 NB OVER CTH B
B-13-715 NB OVER CTH W
B-13-717 NB OVER DROTNING ROAD
B-13-723 NB OVER CTH MN
B-13-725 NB OVER DOOR CREEK

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH W01-6 SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: TC, LANE SHIFT DETAIL, LANE SHIFT (3 TRAFFIC LANES)	SHEET -35 E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_LANE SHIFT DETAIL.DWG PLOT DATE : 10/3/2019 6:42 AM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : #### - ####
WISDOT/CADDS SHEET 42

2

N

END ROAD WORK
G20-2A
48"X24"

EXIT
E5-1
72"X60"

RACINE STREET SB OFF-RAMP

SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (2 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

I-39/90 SB

420'

25'

765'SB'

770'SB'

765'NB'

770'NB'

11'

100'

I-39/90 NB

50'

MATCHLINE STA 775+00 'NB'

+89.8'SB'
-24.0' LT

+53.9'SB'
-12.0' LT

+97.0'NB'
24.5' RT

+51.6'NB'
12.0' RT

+74.2'NB'
24.0' RT

+01.6'NB'
12.0' RT

+51.6'NB'
12.0' RT

SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (2 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

RACINE STREET NB ON-RAMP

EXISTING EDGELINE

100' TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)

TEMPORARY MARKING REMOVABLE MASK OUT TAPE, 6-INCH (3' EXISTING EPOXY, 9' MARK OUT)

TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)

WO4-2R

ROAD WORK AHEAD
W20-1-A

(PLACE 1000' IN ADVANCE OF GORE)

WO4-5
48"X48"

(PLACE 500' IN ADVANCE OF GORE)

PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE).
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

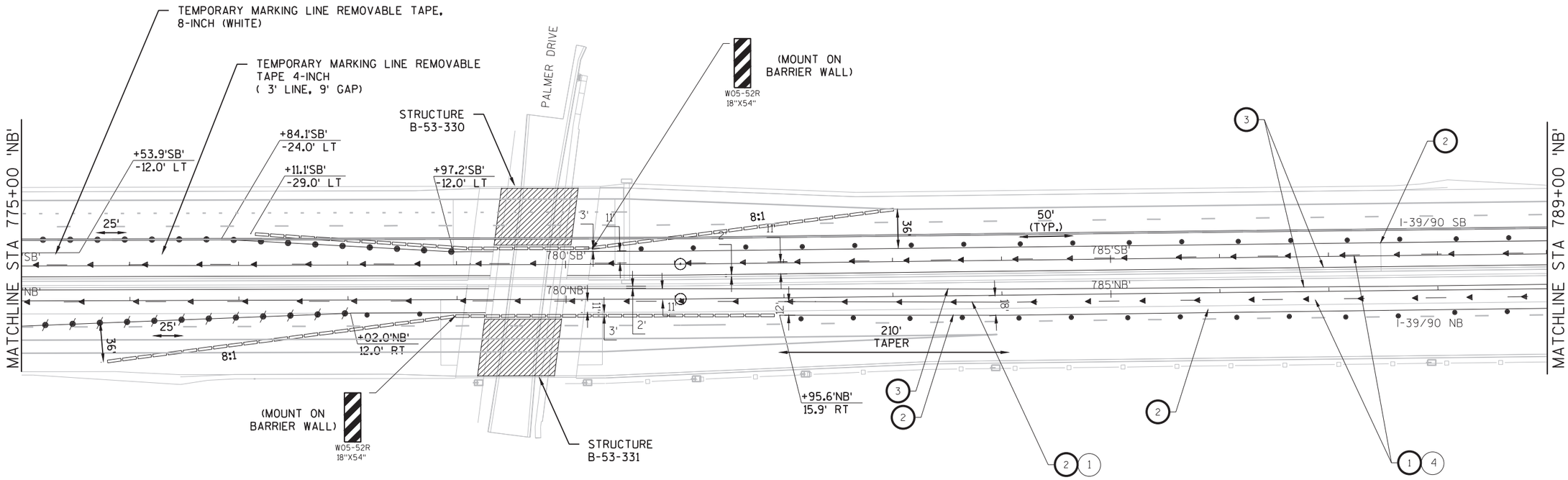
TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO:1001-10-81	HWY: IH 39/90	COUNTY:ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , JANESVILLE	SHEET 36	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_JANESVILLE S1A.DWG DATE : 10/3/2019 8:07 AM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
**** - ****
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

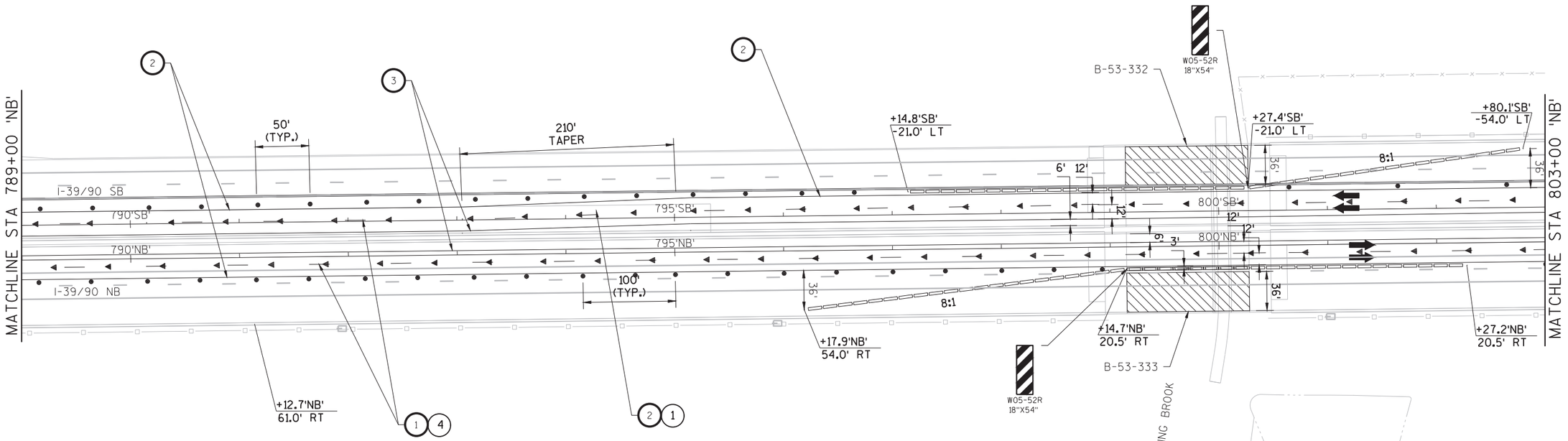
1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , JANESVILLE	SHEET 37	E

2



PAVEMENT MARKING LEGEND

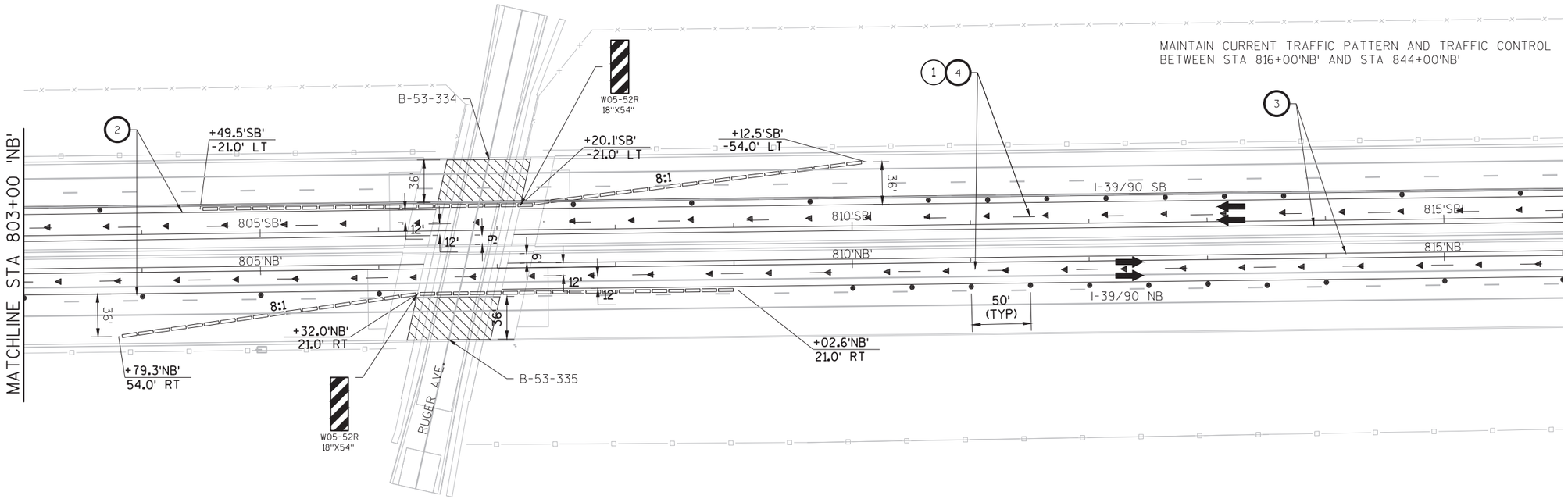
1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

2

N



PAVEMENT MARKING LEGEND

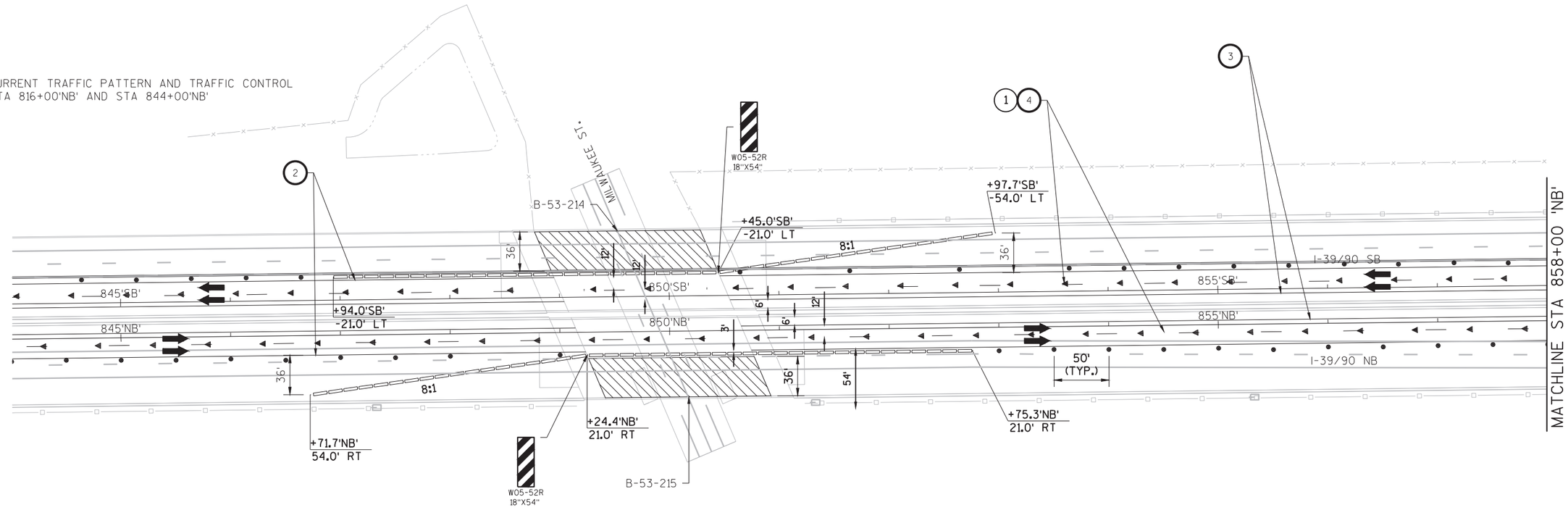
1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

2

MAINTAIN CURRENT TRAFFIC PATTERN AND TRAFFIC CONTROL
BETWEEN STA 816+00'NB' AND STA 844+00'NB'



PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

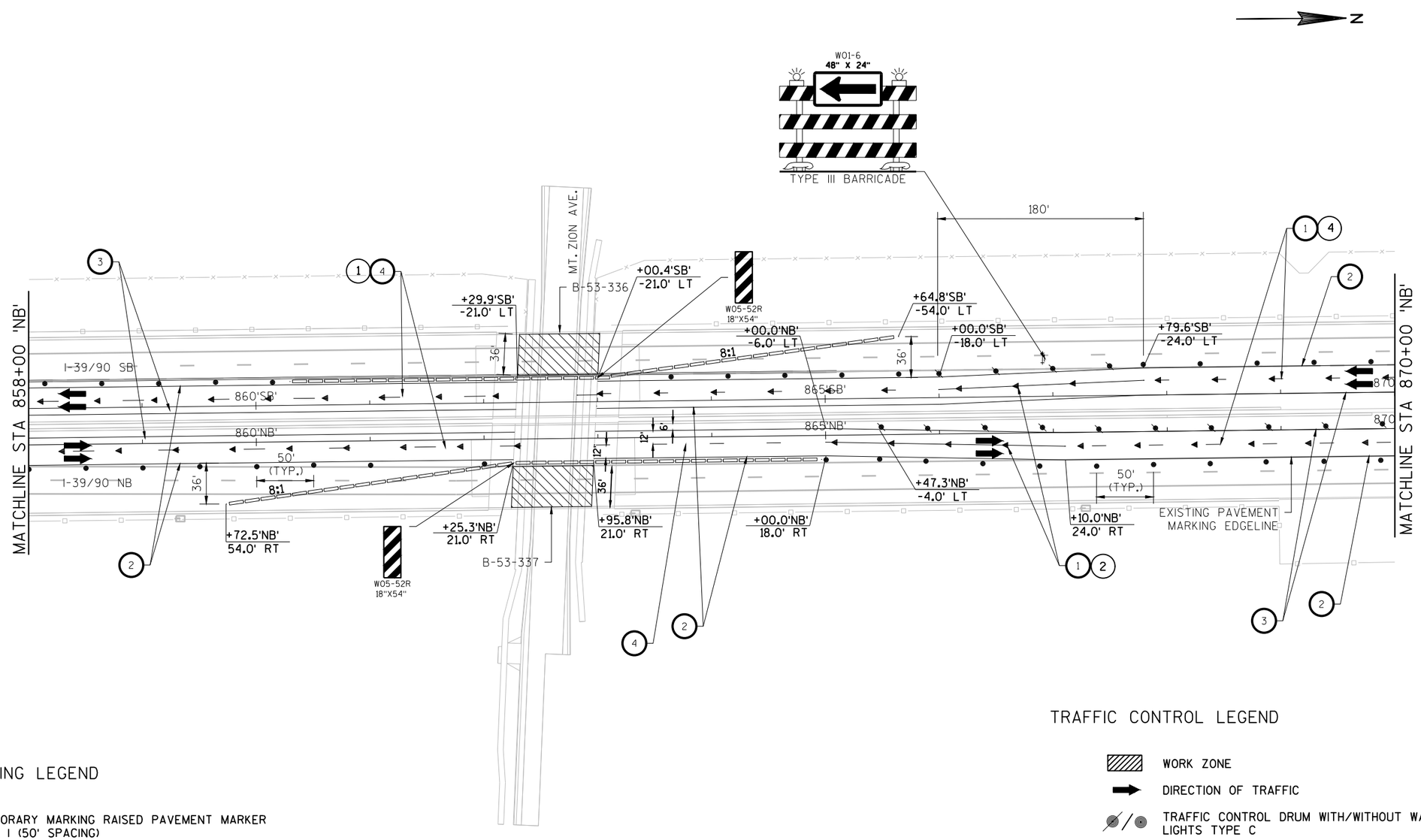
TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO:1001-10-81	HWY: IH 39/90	COUNTY:ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , JANESVILLE	SHEET 40	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_JANESVILLE S1A.DWG DWG DATE : 10/3/2019 8:05 AM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
**** - ****
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

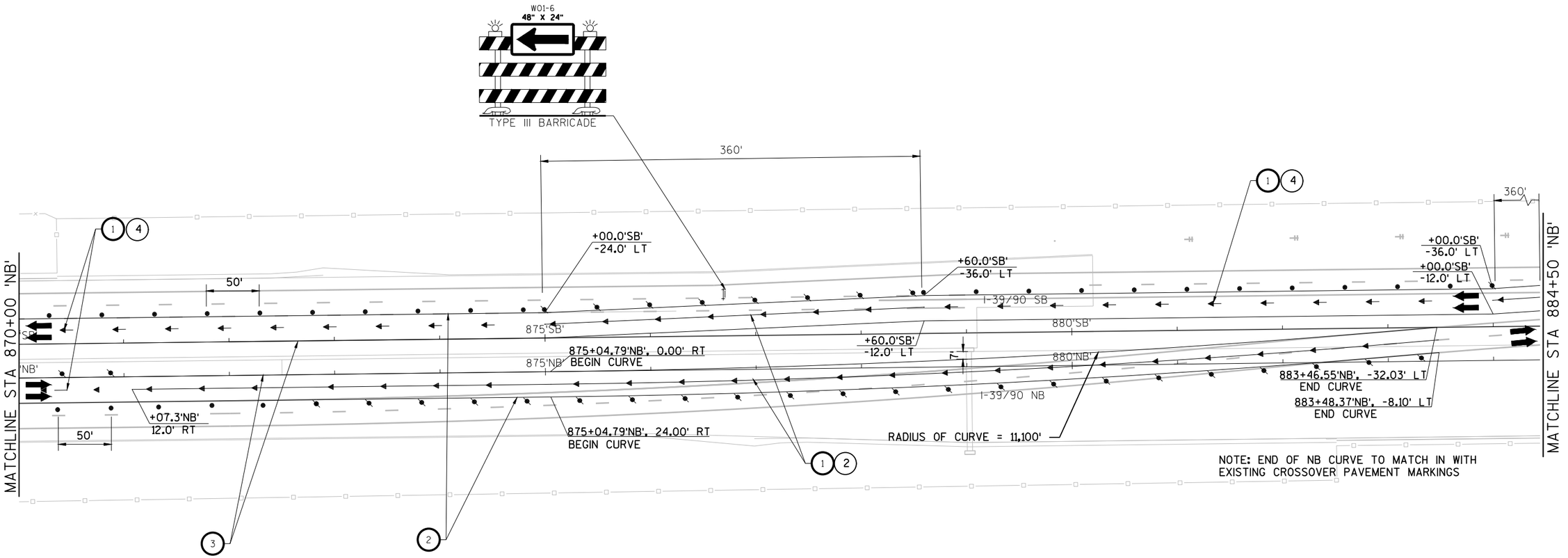
TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO:1001-10-81	HWY:IH 39/90	COUNTY:ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , JANESVILLE	SHEET 41	E

2

N



PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

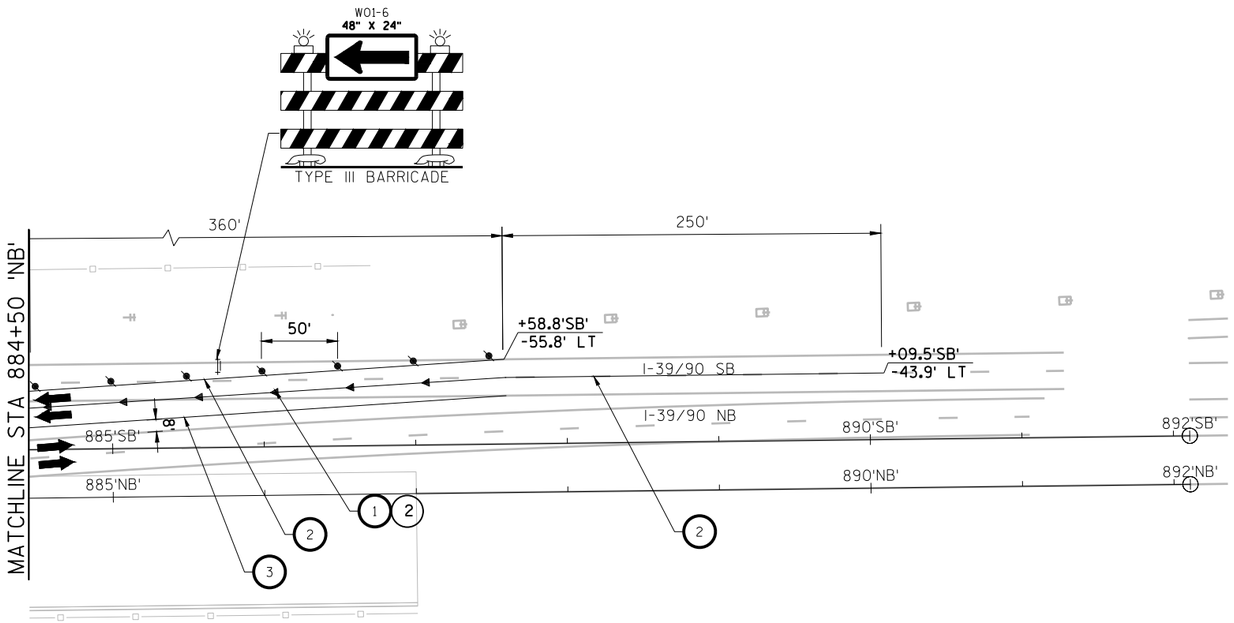
PROJECT NO:1001-10-81	HWY: IH 39/90	COUNTY:ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , JANESVILLE	SHEET 42	E

2

N

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (2 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

SEE TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER FOR EXACT SIGN PLACEMENT.



PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO:1001-10-81	HWY:IH 39/90	COUNTY:ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , JANESVILLE	SHEET 43	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_JANESVILLE S1A.DWG PLOT DATE : 10/3/2019 8:02 AM PLOT BY : OLSON, JOSHUA PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
**** - ****
WISDOT/CADDS SHEET 42

2

N

END ROAD WORK
G20-2A
48"X24"

END ROAD WORK
G20-2A
48"X24"

W01-6
48" X 24"

TYPE III BARRICADE

EXIT
E5-1
72"X60"

RACINE STREET SB OFF-RAMP

SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (2 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

+49.19'SB'
-60.00' LT

+58.26'SB'
-41.80' LT

760'SB'
760'NB'
765'SB'
765'NB'
770'SB'
770'NB'
I-39/90 SB
I-39/90 NB
50'
50'
420'

+00.00'NB'
36.00' RT

+20.00'NB'
50.00' RT

+23.17'NB'
48.00' RT

MATCHLINE STA 774+00 'NB'

TO BE PLACED ON EXISTING PAVEMENT MARKING EDGELINE (1)

TO BE PLACED BETWEEN EXISTING SKIPS (3)

SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (2 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

RACINE STREET NB ON-RAMP

ROAD WORK AHEAD
W20-1-A

(PLACE 1000' IN ADVANCE OF GORE)

W04-5
48"X48"

(PLACE 500' IN ADVANCE OF GORE)

PAVEMENT MARKING LEGEND

(1) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)

(2) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

(3) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

(4) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

TRAFFIC CONTROL LEGEND

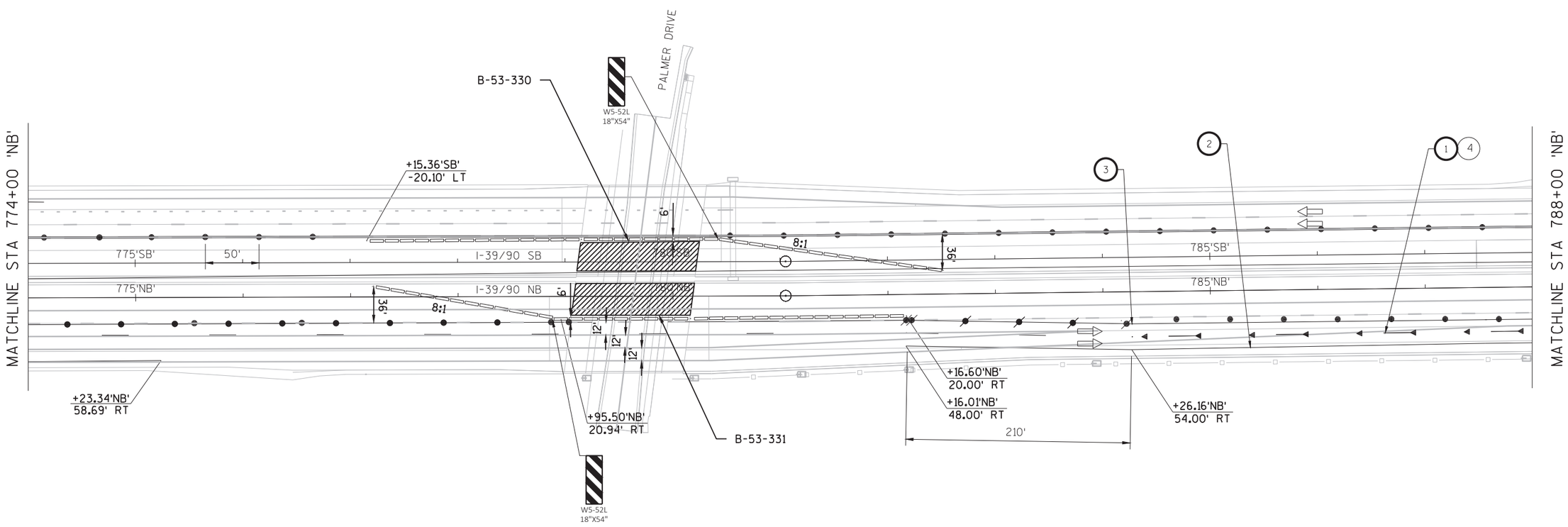
- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , JANESVILLE	SHEET 44	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_JANESVILLE S1B.DWG DRAWING DATE : 9/3/2008 9:36 AM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
**** - ****

2

N



PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

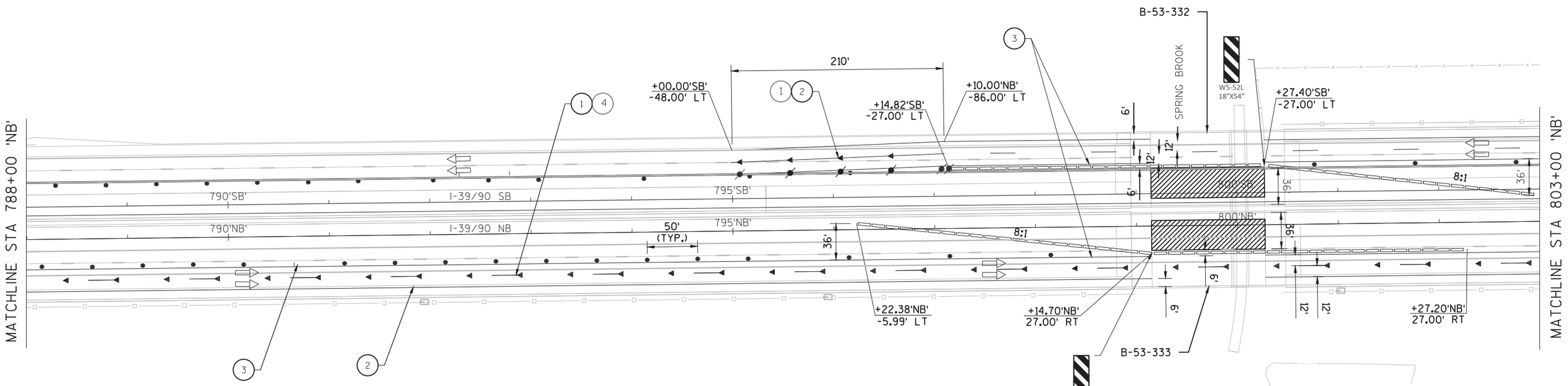
TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , JANESVILLE	SHEET 45	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_JANESVILLE S1B.DWG DRAWING DATE : 9/3/2008 9:36 AM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
**** - ****

2



PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

TRAFFIC CONTROL LEGEND

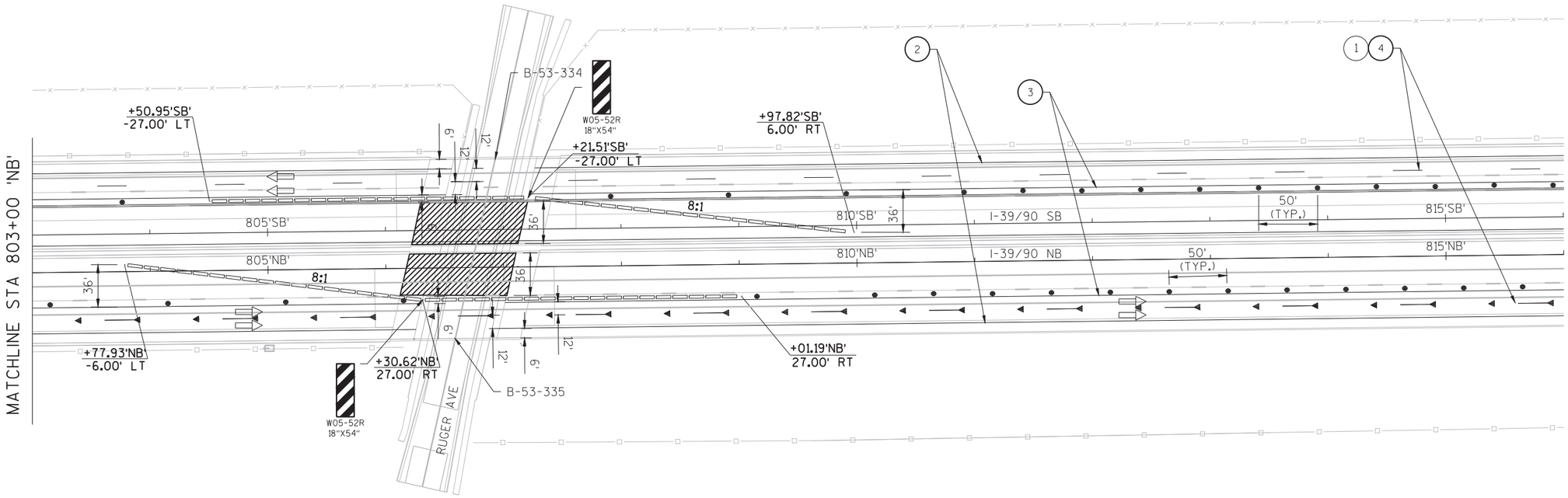
- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , JANESVILLE	SHEET 46	E

2

N

MAINTAIN CURRENT TRAFFIC PATTERN
AND TRAFFIC CONTROL BETWEEN
STA 816+00'NB' AND STA 844+00'NB'



PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

TRAFFIC CONTROL LEGEND

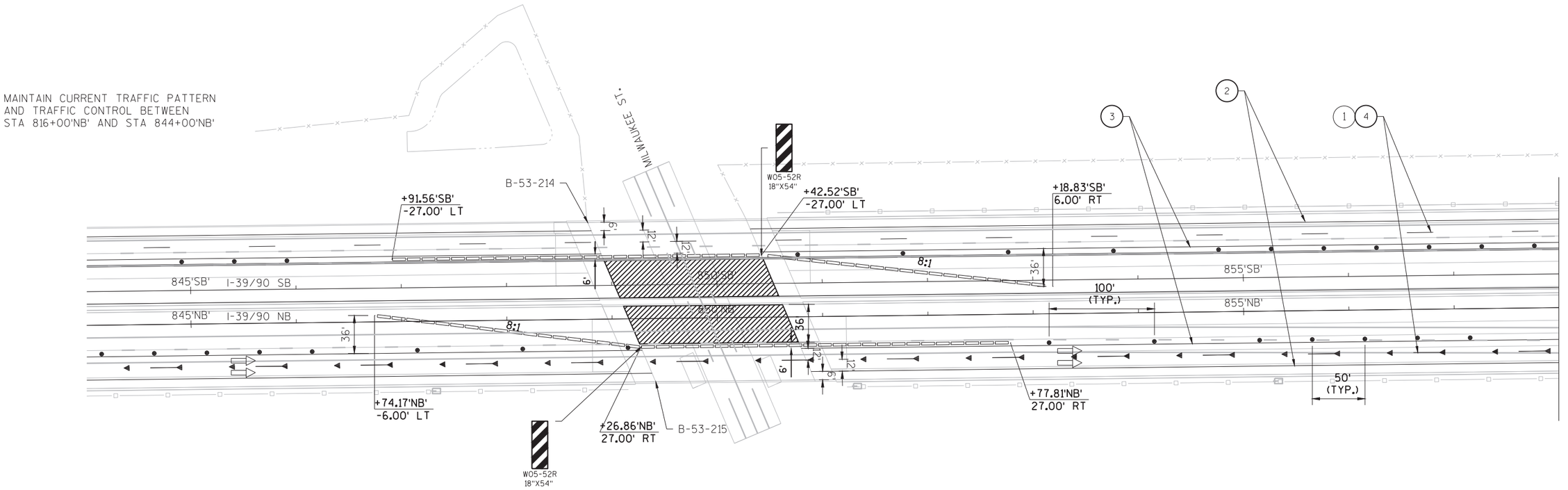
- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , JANESVILLE	SHEET 47	E

2

N

MAINTAIN CURRENT TRAFFIC PATTERN
AND TRAFFIC CONTROL BETWEEN
STA 816+00'NB' AND STA 844+00'NB'



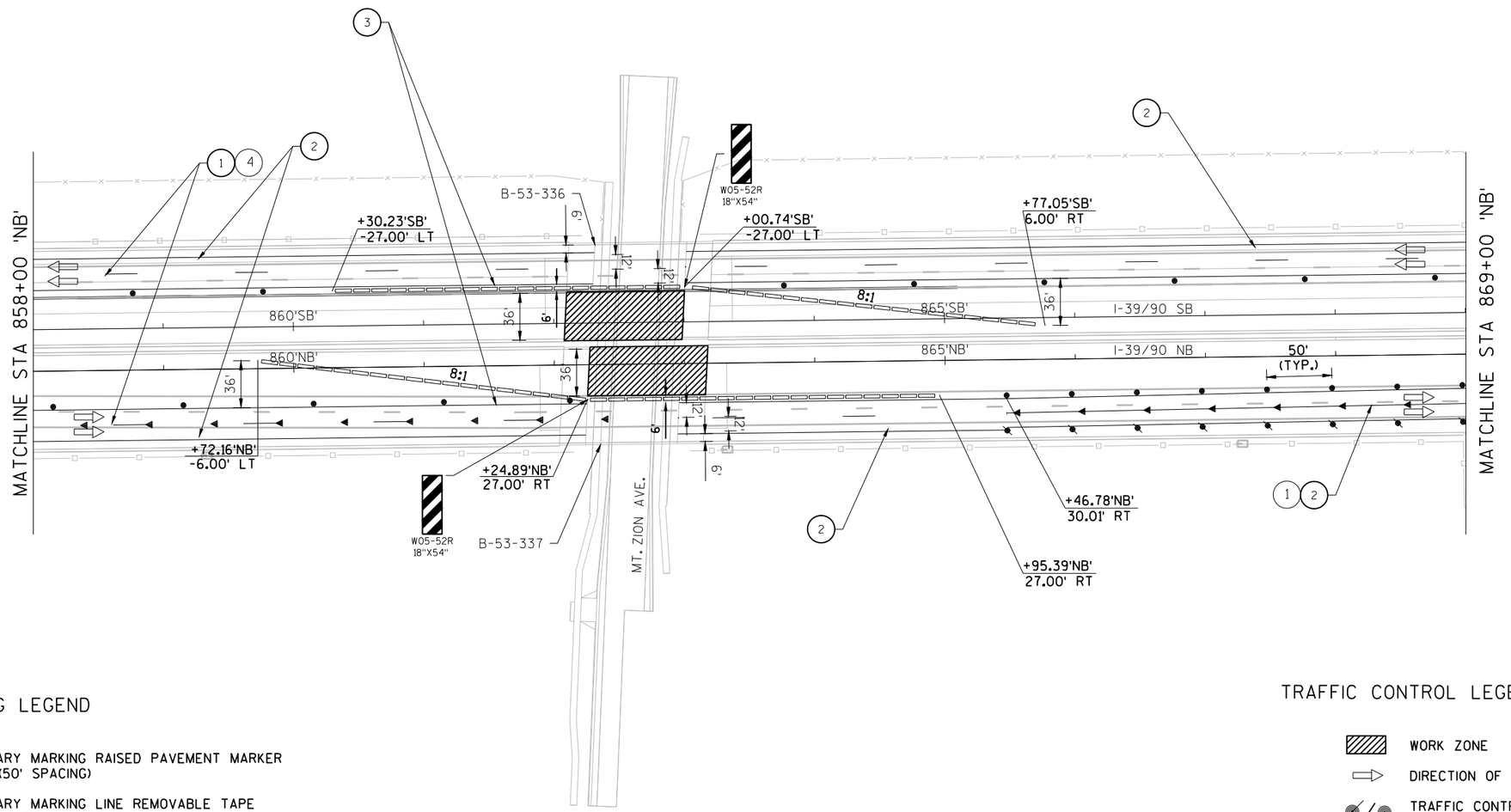
PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

2



PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

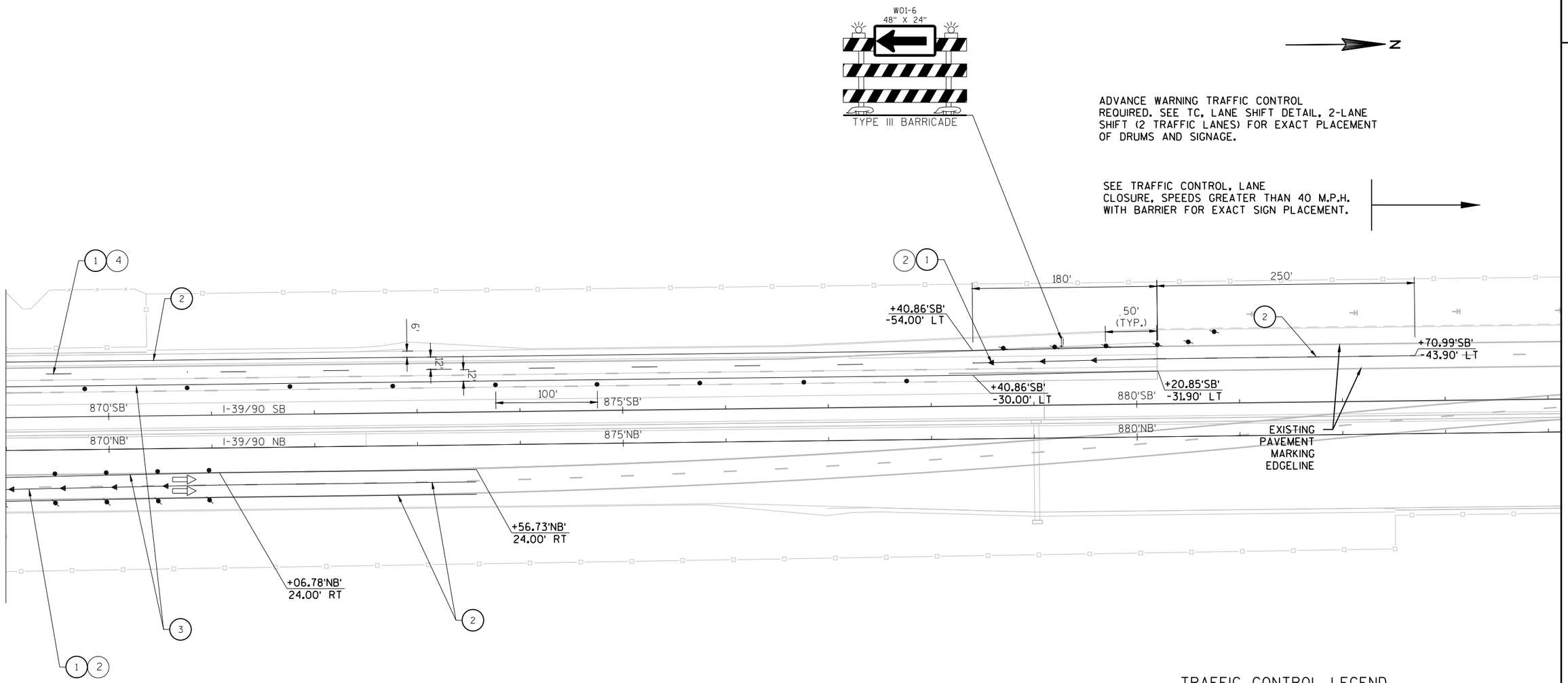
TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , JANESVILLE	SHEET 49	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_JANESVILLE S1B.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : OLSON, JOSHUA PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
-
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM WITH/WITHOUT WARNING LIGHTS TYPE C
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO:1001-10-81	HWY: IH 39/90	COUNTY:ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , JANESVILLE	SHEET 50	E

2

SEE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 M.P.H." FOR EXACT PLACEMENT OF ADVANCE TRAFFIC CONTROL SIGNAGE

ROAD WORK AHEAD
W20-1-A

SEE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 M.P.H." FOR EXACT PLACEMENT OF ADVANCE TRAFFIC CONTROL SIGNAGE

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

END ROAD WORK
G20-2A
48"X24"

CTH S

30'S'

50'

100'

+90.01'S'
-42.00' LT

+98.85'S'
-58.00' LT

+10.28'S'
-58.00' LT

+01.44'S'
-42.00' LT

50'

12'

11'

12'

11'

35'S'

40'S'

+69.39'S'
16.00' RT

+60.55'S'
32.00' RT

+57.96'S'
16.00' RT

+49.12'S'
32.00' RT

STRUCTURE
B-53-313

I-39/90 SB

I-39/90 NB

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

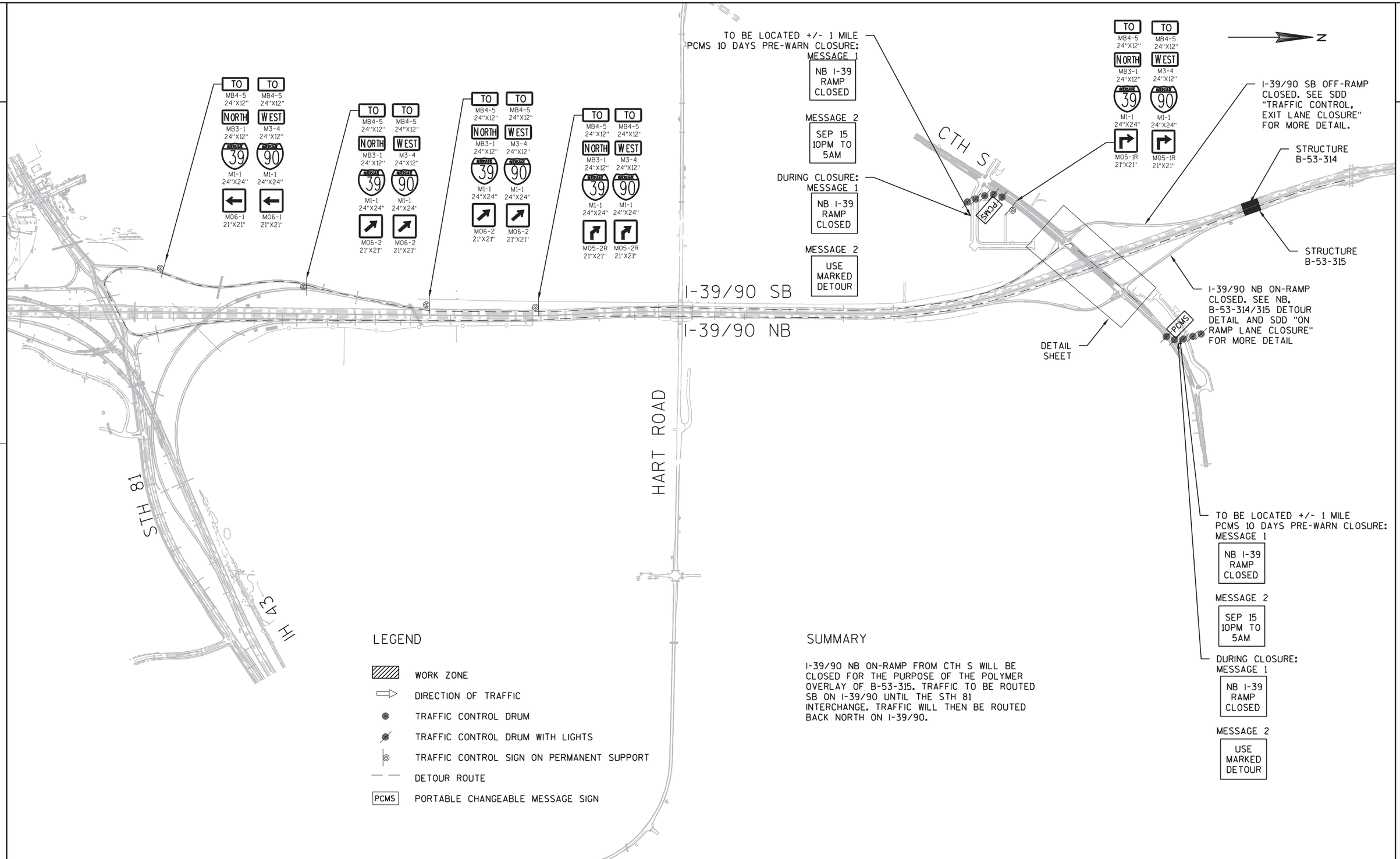
END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1-A

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO:1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , B-53-313	SHEET 51	E



LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- DETOUR ROUTE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

SUMMARY

I-39/90 NB ON-RAMP FROM CTH S WILL BE CLOSED FOR THE PURPOSE OF THE POLYMER OVERLAY OF B-53-315. TRAFFIC TO BE ROUTED SB ON I-39/90 UNTIL THE STH 81 INTERCHANGE. TRAFFIC WILL THEN BE ROUTED BACK NORTH ON I-39/90.

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: TRAFFIC CONTROL DETAILS: NB, B-53-314/315 DETOUR	SHEET 52	E

2

I-39/90 NB ON-RAMP FROM CTH S WILL BE CLOSED FOR THE PURPOSE OF THE POLYMER OVERLAY OF B-53-315. TRAFFIC TO BE ROUTED SB ON I-39/90 UNTIL THE STH 81 INTERCHANGE. TRAFFIC WILL THEN BE ROUTED BACK NORTH ON I-39/90.

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "ON RAMP LANE CLOSURE" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

TO MB4-5 24"X12" NORTH MB3-1 24"X12" INTERSTATE 39 M1-1 24"X24" MO6-1 21"X21"

TO MB4-5 24"X12" WEST M3-4 24"X12" INTERSTATE 90 M1-1 24"X24" MO6-1 21"X21"

W01-6 48"X24"

TYPE III BARRICADE

CTH S

AMP LOSE W11-2 48"X36"

OPEN FOLDING SIGN

RAMP CLOSED USE ALT ROUTE R11-54-F 48"X30"

COVER

25'

50'

LANE CLOSED R11-2-L 48"X30"

I-39/90 SB

I-39/90 NB

LEGEND

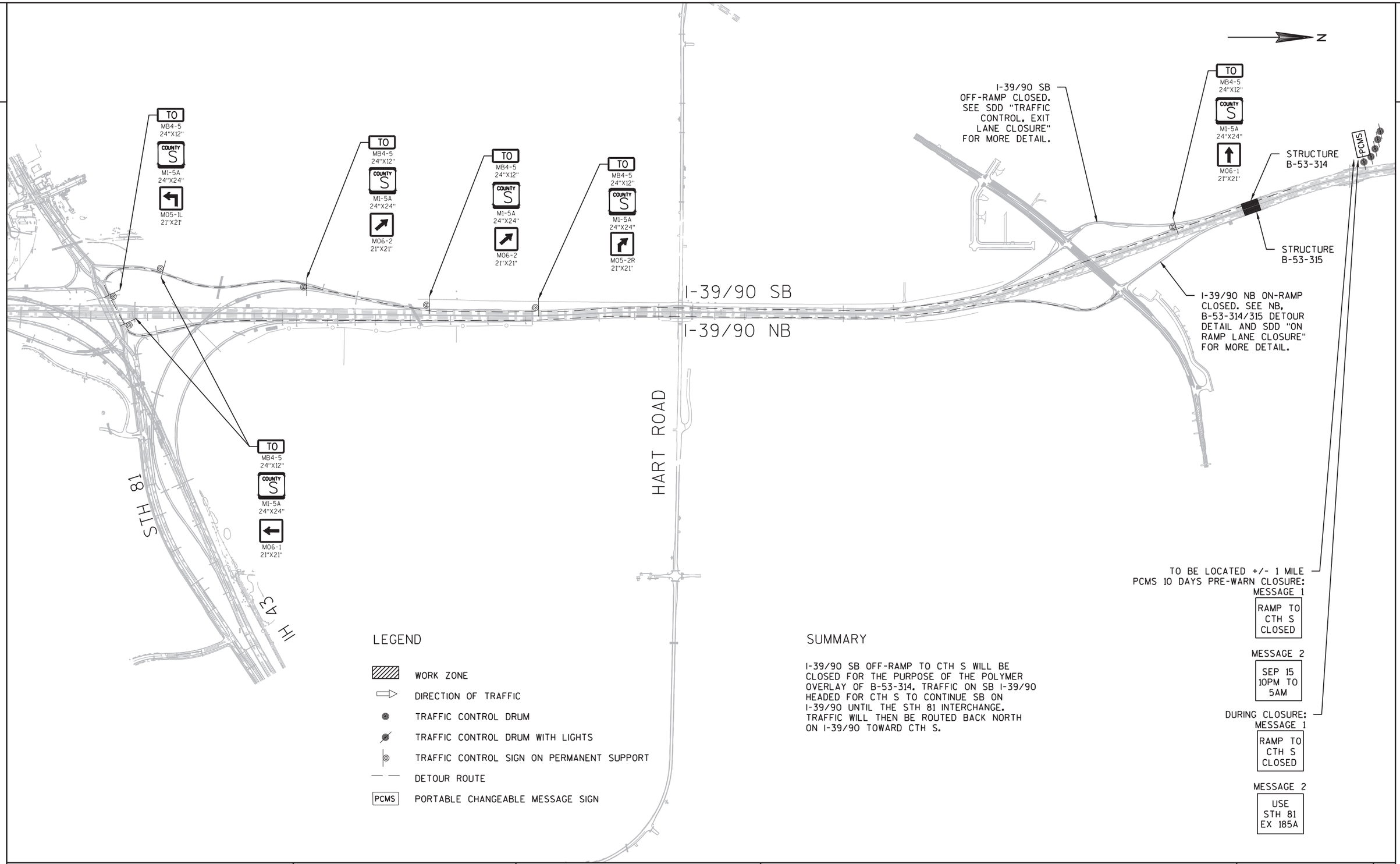
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- DETOUR ROUTE
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: TRAFFIC CONTROL DETAILS: NB, B-53-314/315 DETOUR DETAIL	SHEET 53	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_B-53-314 & 315DETOUR.DWG DETOUR.DWG 8/6/2019 6:36 PM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT

**** - ****

2



TO BE LOCATED +/- 1 MILE
PCMS 10 DAYS PRE-WARN CLOSURE:
MESSAGE 1
RAMP TO CTH S CLOSED
MESSAGE 2
SEP 15 10PM TO 5AM
DURING CLOSURE:
MESSAGE 1
RAMP TO CTH S CLOSED
MESSAGE 2
USE STH 81 EX 185A

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- DETOUR ROUTE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

SUMMARY

I-39/90 SB OFF-RAMP TO CTH S WILL BE CLOSED FOR THE PURPOSE OF THE POLYMER OVERLAY OF B-53-314. TRAFFIC ON SB I-39/90 HEADED FOR CTH S TO CONTINUE SB ON I-39/90 UNTIL THE STH 81 INTERCHANGE. TRAFFIC WILL THEN BE ROUTED BACK NORTH ON I-39/90 TOWARD CTH S.

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: TRAFFIC CONTROL DETAILS: SB, B-53-314/315 DETOUR	SHEET 54	E

2

N

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE" AND "ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

STH 11 WB BIKE LANE TO BE CLOSED DURING STAGE 1A. TRAFFIC TO SHARE THE FULL LANE. PLACE R4-11 AT APPROX. STA. 301+00'AW' ON TEMPORARY SIGN SUPPORT.

MAY USE FULL LANE
R4-11
30"X30"

ROAD WORK AHEAD
W20-1-A
48"X48"

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2-L
48"X30"

W1-6
48"X24"

STRUCTURE B-53-323

+13.46AE
0.00'

+45.96AE
0.00'

+14.99AE
35.00' RT

+47.49AE
35.00' RT

+10.31AW
-19.00' LT

+42.81AW
-19.00' LT

+11.14AW
0.00'

+43.64AW
0.00'

STRUCTURE B-53-324

275AW

275AE

280AE

280AW

285AE

285AW

50'

25'

12'

13'

STH 11 EB

STH 11 WB

I-39/90 SB

I-39/90 NB

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE" AND "ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

STH 11 EB BIKE LANE TO BE CLOSED DURING STAGE 1A. TRAFFIC TO SHARE THE FULL LANE. PLACE R4-11 AT APPROX. STA. 250+00'AE' ON TEMPORARY SIGN SUPPORT.

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , B-53-323/324	SHEET 55	E

2

N

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" AND "ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

ROAD WORK AHEAD
W20-1-A
48"X48"

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2-L
48"X30"

STRUCTURE B-53-323

+12.76AE
-16.00' LT

+13.46AE
0.00'

+45.26AE
-16.00' LT

+45.96AE
0.00'

280AE

275AW

285AE

STH 11 EB

25'

50'

11'

+11.14AW
0.00'

280AW

+11.84AW
16.00' RT

13'

STRUCTURE B-53-324

+43.64AW
0.00'

+44.34AW
16.00' RT

STH 11 WB

275AE

12'

I-39/90 SB

I-39/90 NB

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" AND "ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO:1001-10-81	HWY: IH 39/90	COUNTY:ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , B-53-323/324	SHEET 56	E

2

N

SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (2 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

SEE TC, LANE SHIFT DETAIL, LANE SHIFT (3 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

I-39/90 SB ON-RAMP FROM RACINE STREET AND NB OFF-RAMP TO RACINE STREET WILL BE CLOSED DURING STAGE 1A. RACINE STREET TRAFFIC HEADED SOUTH ON I-39/90 TO BE DETOURED NORTH ON I-39/90 TO USH 14 AND THEN WILL RETURN SOUTH ALONG I-39/90. I-39/90 NB TRAFFIC HEADED TO RACINE STREET WILL CONTINUE NB ALONG I-39/90 UNTIL USH 14 AND THEN WILL RETURN SOUTH TO THE RACINE STREET INTERCHANGE. SEE "NB, B-53-229/230 DETOUR" AND "SB, B-53-229/230 DETOUR" SHEETS FOR MORE DETAIL.

WSOR

CTH O

STRUCTURE B-53-229

(MOUNT ON BARRIER WALL)

W05-52R 18"X54"

CENTERLINE TO BE PLACED ON EXISTING MARKING

TO BE PLACED ON EXISTING MARKING

TO BE PLACED ON EXISTING MARKING

I-39/90 SB

I-39/90 NB

200'

200'

8:1

8:1

12'

12'

12'

12'

36'

36'

50' TYP

50' TYP

50'

420'

SEE SDD, "TRAFFIC CONTROL EXIT LANE CLOSURE."

RAMP CLOSED

R11-2-R 48"X30"

SEE TC, LANE SHIFT DETAIL, LANE SHIFT (3 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

(MOUNT ON BARRIER WALL)

W05-52R 18"X54"

STRUCTURE B-53-230

TO BE PLACED ON EXISTING MARKING

TO BE PLACED BETWEEN SKIPS

TO BE PLACED ON EXISTING EDGELINE

SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (2 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12' DASH, 37.5' SKIP)
4. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO:1001-10-81	HWY: IH 39/90	COUNTY:ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , B-53-229/230	SHEET -57 E

2

N

SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (3 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (3 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

I-39/90 SB ON-RAMP FROM RACINE STREET AND NB OFF-RAMP TO RACINE STREET WILL BE CLOSED DURING STAGE 1B. RACINE STREET TRAFFIC HEADED SOUTH ON I-39/90 TO BE DETOURED NORTH ON I-39/90 TO USH 14 AND THEN WILL RETURN SOUTH ALONG I-39/90. I-39/90 NB TRAFFIC HEADED TO RACINE STREET WILL CONTINUE NB ALONG I-39/90 UNTIL USH 14 AND THEN WILL RETURN SOUTH TO THE RACINE STREET INTERCHANGE. SEE "NB, B-53-229/230 DETOUR" AND "SB, B-53-229/230 DETOUR" SHEETS FOR MORE DETAIL.

WSOR

CTH O

STRUCTURE B-53-229

(MOUNT ON BARRIER WALL)

W05-52R 18"X54"

I-39/90 SB

I-39/90 NB

50'

200'

36"

11'

11'

8:1

SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (2 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

(MOUNT ON BARRIER WALL)

W05-52R 18"X54"

STRUCTURE B-53-230

SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (3 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

RAMP CLOSED

R11-2-R 48"X30"

SEE SDD "TRAFFIC CONTROL, EXIT LANE CLOSURE"

PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
3. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12' DASH, 37.5' SKIP)
4. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , B-53-229/230	SHEET - 58	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_B-53-229 & 230RDWG DATE : 10/3/2019 1:30 PM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : ********** WISDOT/CADDS SHEET 42
**** - ****

2

LEGEND

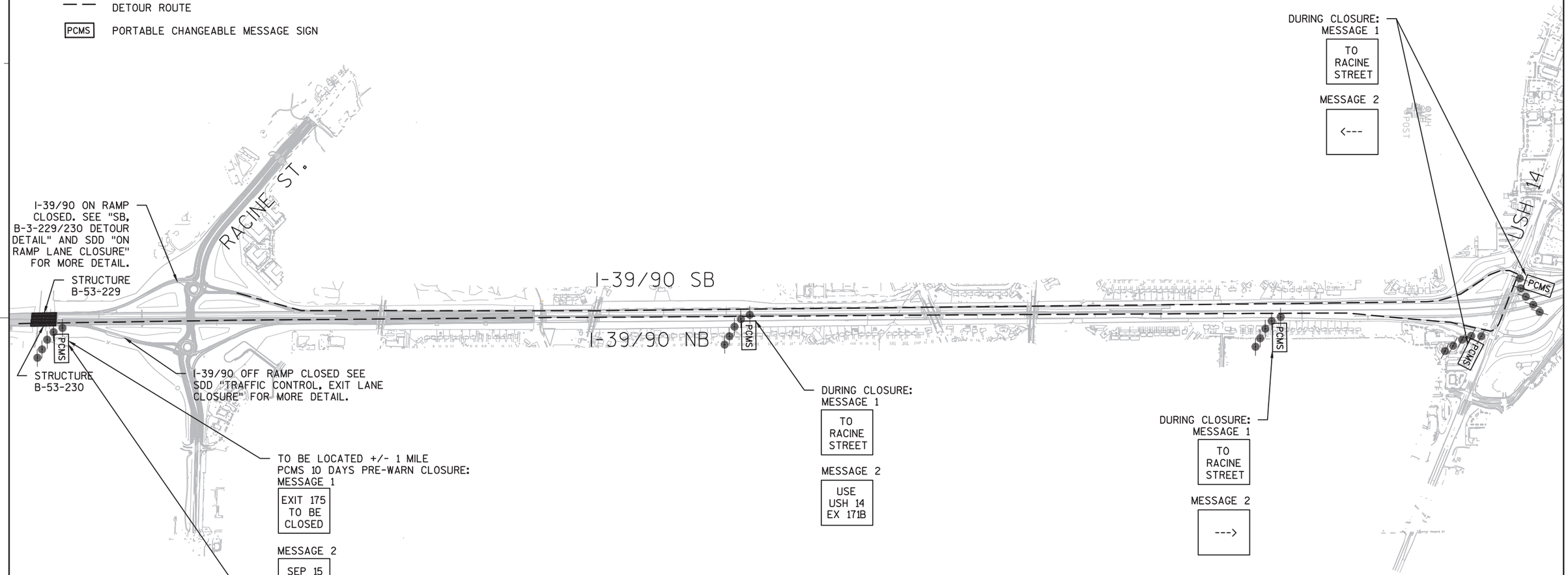
- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- DETOUR ROUTE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

SUMMARY

I-39/90 NB OFF-RAMP TO RACINE STREET WILL BE CLOSED FOR THE PURPOSE OF THE POLYMER OVERLAY OF B-53-230.

TRAFFIC ON NB I-39/90 HEADED FOR RACINE STREET TO CONTINUE NB ON I-39/90 UNTIL THE USH 14 INTERCHANGE. TRAFFIC WILL THEN BE ROUTED BACK SOUTH ON I-39/90 TOWARD RACINE STREET.

N



PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: TRAFFIC CONTROL DETAILS: NB, B-53-229/230 DETOUR	SHEET - 59	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_B-53-229 & 230DETOUR.DWG 10/3/2019 6:56 AM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : Custom
**** - ****
WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- DETOUR ROUTE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

SUMMARY

I-39/90 SB ON-RAMP FROM RACINE STREET WILL BE CLOSED FOR THE PURPOSE OF THE POLYMER OVERLAY OF B-53-229.

I-39/90 SB ON-RAMP FROM RACINE STREET TRAFFIC TO BE ROUTED NB ON I-39/90 UNTIL THE RACINE STREET INTERCHANGE. TRAFFIC WILL THEN BE ROUTED BACK SOUTH ON I-39/90.

LANE CLOSURE TRAFFIC CONTROL REQUIRED ON RACINE STREET. SEE ADDITIONAL DETAIL SHEET FOR MORE INFORMATION.

N

TO BE LOCATED +/- 1 MILE
PCMS 10 DAYS PRE-WARN CLOSURE:
MESSAGE 1
SB I-39 RAMP CLOSED

MESSAGE 2
SEP 15 10PM TO 5AM

DURING CLOSURE:
MESSAGE 1
SB I-39 RAMP CLOSED

MESSAGE 2
USE MARKED DETOUR

NORTH 39 M06-1 21"X21"
WEST 90 M06-1 21"X21"
SOUTH 39 M06-1 21"X21"
EAST 90 M06-1 21"X21"

PCMS

RACINE ST.

I-39/90 ON RAMP CLOSED. SEE "SB, B-53-229/230 DETOUR DETAIL" AND SDD "ON RAMP LANE CLOSURE" FOR MORE DETAIL.

STRUCTURE B-53-229

STRUCTURE B-53-230

DETAIL SHEET

I-39/90 OFF RAMP CLOSED. SEE SDD "TRAFFIC CONTROL EXIT LANE CLOSURE" FOR MORE DETAIL.

PCMS

TO BE LOCATED +/- 1 MILE
PCMS 10 DAYS PRE-WARN CLOSURE:
MESSAGE 1
SB I-39 RAMP CLOSED

MESSAGE 2
SEP 15 10PM TO 5AM

DURING CLOSURE:
MESSAGE 1
SB I-39 RAMP CLOSED

MESSAGE 2
USE MARKED DETOUR

SOUTH 39 M05-2R 21"X21"
EAST 90 M05-2R 21"X21"
NORTH 39
WEST 90

I-39/90 SB

I-39/90 NB

DETOUR M4-8 24"X12"
DETOUR M4-8 24"X12"
SOUTH M3-3 24"X12"
EAST M3-2 24"X12"
INTERSTATE 39 M1-1 24"X24"
INTERSTATE 90 M1-1 24"X24"

USH 14

TO MB4-5 24"X12"
TO MB4-5 24"X12"
SOUTH M3-3 24"X12"
EAST M3-2 24"X12"
INTERSTATE 39 M1-1 24"X24"
INTERSTATE 90 M1-1 24"X24"
M06-2 21"X21"
M06-2 21"X21"

TO MB4-5 24"X12"
TO MB4-5 24"X12"
SOUTH M3-3 24"X12"
EAST M3-2 24"X12"
INTERSTATE 39 M1-1 24"X24"
INTERSTATE 90 M1-1 24"X24"
M06-1 21"X21"
M06-1 21"X21"

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: TRAFFIC CONTROL DETAILS: SB, B-53-229/230 DETOUR	SHEET - 60 E

2

TO MB4-5 24"X12" | TO MB4-5 24"X12"
SOUTH M3-3 24"X12" | EAST M3-2 24"X12"
39 M1-1 24"X24" | 90 M1-1 24"X24"
M06-1 21"X21" | M06-1 21"X21"
MOUNT ON SIGN BRIDGE

COVER

RACINE ST

25'

RAMP CLOSED R11-2-R 48"X30"

RAMP CLOSED USE ALT ROUTE R11-54-F 48"X30"

OPEN FOLDING SIGN

RAMP CLOSED R11-2-R 48"X30"

SOUTH EAST WEST 39 90 11

RAMP CLOSED USE ALT ROUTE R11-54-F 48"X30"

OPEN FOLDING SIGN

TO MB4-5 24"X12" | TO MB4-5 24"X12"
SOUTH M3-3 24"X12" | EAST M3-2 24"X12"
39 M1-1 24"X24" | 90 M1-1 24"X24"
M05-2L 21"X21" | M05-2L 21"X21"
MOUNT ON SIGN BRIDGE

I-39/90 SB

I-39/90 NB

I-39/90 SB ON-RAMP FROM RACINE STREET WILL BE CLOSED FOR THE PURPOSE OF THE POLYMER OVERLAY OF B-53-229.

I-39/90 SB ON-RAMP FROM RACINE STREET TRAFFIC TO BE ROUTED NB ON I-39/90 UNTIL THE RACINE STREET INTERCHANGE. TRAFFIC WILL THEN BE ROUTED BACK SOUTH ON I-39/90.

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

COVER

E Racine St

TO MB4-5 24"X12" | TO MB4-5 24"X12"
SOUTH M3-3 24"X12" | EAST M3-2 24"X12"
39 M1-1 24"X24" | 90 M1-1 24"X24"
M06-2 21"X21" | M06-2 21"X21"

N

RACINE ST

TO MB4-5 24"X12" | TO MB4-5 24"X12"
SOUTH M3-3 24"X12" | EAST M3-2 24"X12"
39 M1-1 24"X24" | 90 M1-1 24"X24"
M06-1 21"X21" | M06-1 21"X21"

COVER

E Racine St

NORTH WEST 39 90 Madison

TO MB4-5 24"X12" | TO MB4-5 24"X12"
SOUTH M3-3 24"X12" | EAST M3-2 24"X12"
39 M1-1 24"X24" | 90 M1-1 24"X24"
M05-2R 21"X21" | M05-2R 21"X21"
MOUNT ON SIGN BRIDGE

LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- DETOUR ROUTE
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: SB, B-53-229/230 DETOUR DETAIL	SHEET - 61 E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_B-53-229 & 230DETOUR.DWG 10/3/2019 6:54 AM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
**** - ****
WISDOT/CADDS SHEET 42

2

2

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

N

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2-L
48"X30"

12'

25'

LANE CLOSED
R11-2-L
48"X30"

LANE CLOSED
R11-2-L
48"X30"

140'RW'

RACINE ST

140'RE'

25'

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" AND "TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

145'RW'

+61.27'RW'
-12.00' LT

+97.77'RW'
-12.00' LT

12'

50'

LANE CLOSED
R11-2-L
48"X30"

25'

150'RW'

150'RE'

145'RE'

25'

12'

+39.13'RE'
12.00' RT

+02.63'RE'
12.00' RT

50'

155'RW'

155'RE'

RACINE ST

LANE CLOSED
R11-2-L
48"X30"

LANE CLOSED
R11-2-L
48"X30"

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" AND "TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

END ROAD WORK
G20-2A
48"X24"

I-39/90 SB

I-39/90 NB

25'

12'

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

LANE CLOSED
R11-2-L
48"X30"

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO:1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , B-53-329	SHEET 62	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_B-53-329.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
**** - ****

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

N

END ROAD WORK
G20-2A
48"X24"

W01-6
48"X24"

TYPE III BARRICADE

LANE CLOSED
R11-2-L
48"X30"

12'

25'

LANE CLOSED
R11-2-L
48"X30"

W01-6
48"X24"

TYPE III BARRICADE

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" AND "TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

140'RW'

RACINE ST

140'RE'

25'

LANE CLOSED
R11-2-L
48"X30"

+61.27'RW'
-29.00' LT
+61.27'RW'
-12.00' LT

+97.77'RW'
-29.00' LT
+97.77'RW'
-12.00' LT

145'RW'

145'RE'

25'

150'RW'

150'RE'

25'

155'RW'

155'RE'

RACINE ST

50'

11'

+02.63'RE'
12.00' RT
+02.63'RE'
42.50' RT

+39.13'RE'
12.00' RT
+39.13'RE'
42.50' RT

LANE CLOSED
R11-2-L
48"X30"

*

SIDEWALK CLOSED
R9-9
24"X12"

**

SIDEWALK CLOSED
R9-9
24"X12"

LANE CLOSED
R11-2-L
48"X30"

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" AND "TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

END ROAD WORK
G20-2A
48"X24"

** MULTI-USE PATH CLOSED FOR POLYMER OVERLAY. PEDESTRIAN TRAFFIC WILL USE SIDEWALK ON NORTH SIDE OF INTERCHANGE. ACCESS PROVIDED BY CROSSWALK EAST OF INTERSECTION AT MIDLAND ROAD. SEE SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION."

* MULTI-USE PATH CLOSED FOR POLYMER OVERLAY. PEDESTRIAN TRAFFIC WILL USE SIDEWALK ON NORTH SIDE OF INTERCHANGE. ACCESS PROVIDED BY CROSSWALK WEST OF INTERSECTION AT PALMER DRIVE. SEE SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION."

I-39/90 SB

I-39/90 NB

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

LANE CLOSED
R11-2-L
48"X30"

25'

12'

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN
- TRAFFIC CONTROL TYPE II BARRICADE WITH/WITHOUT SIGN

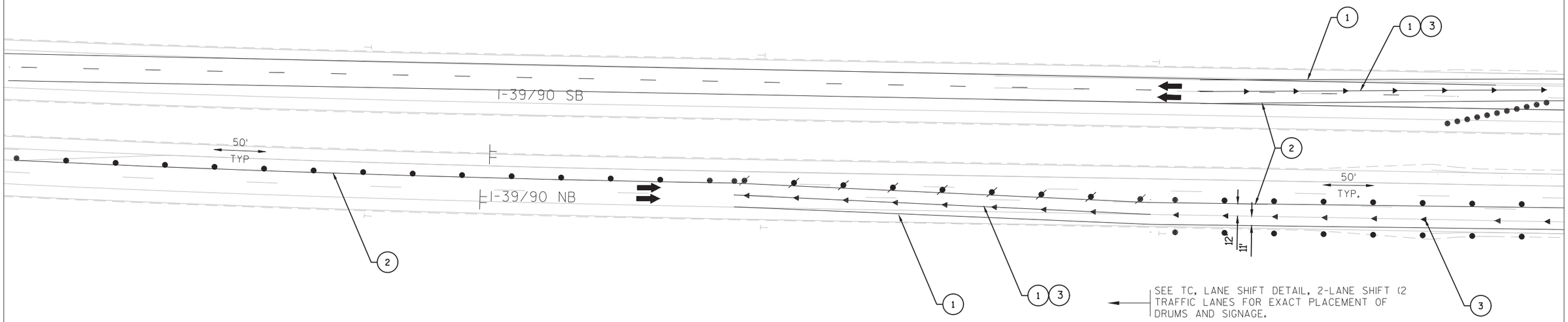
PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , B-53-329	SHEET 63	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_B-53-329.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
**** - ****

2

N

SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (2 TRAFFIC LANES FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.



SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (2 TRAFFIC LANES FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

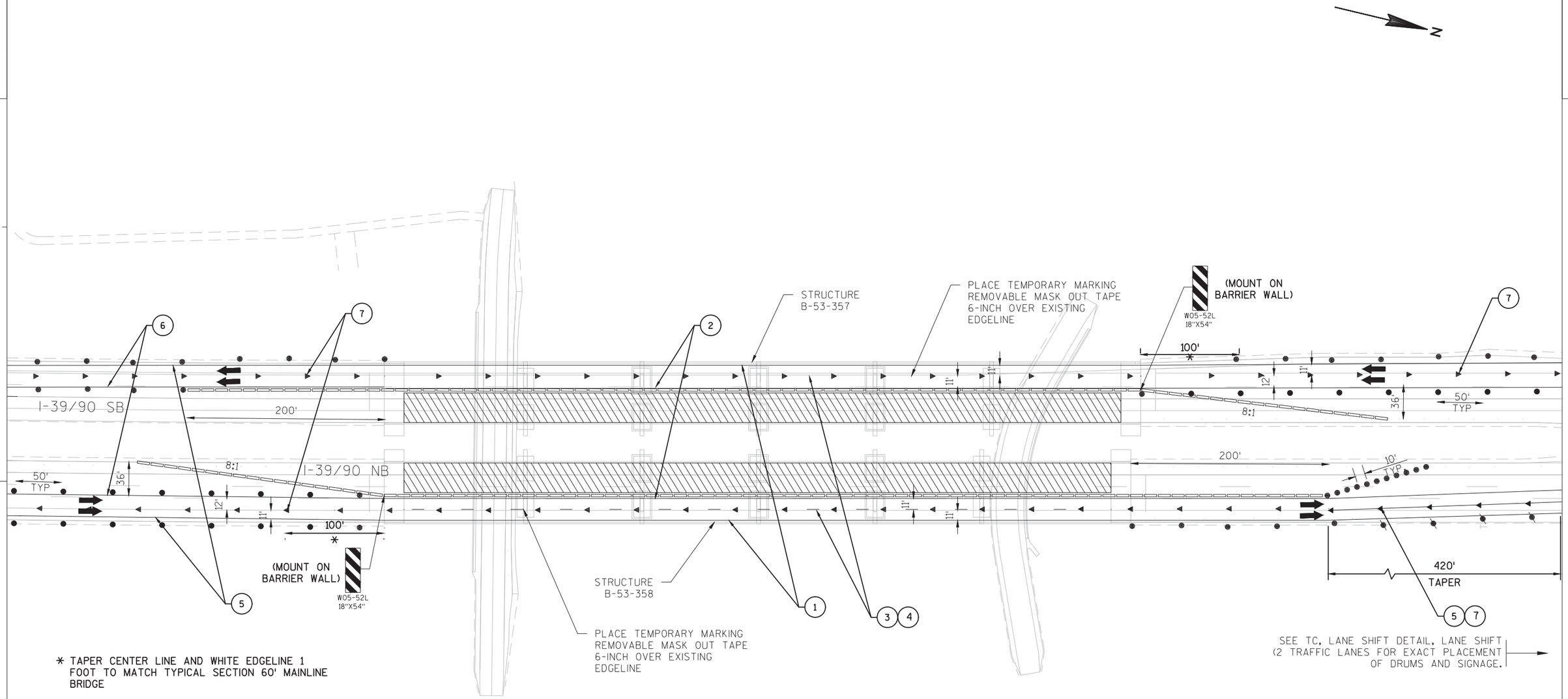
PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) TO BE PLACED 1 FT FROM EDGE OF PAVEMENT EXCEPT IN TAPER
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) TO BE PLACED BETWEEN EXISTING SKIPS EXCEPT IN TAPER
3. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING) TO BE PLACED ON EXISTING WHITE EDGELINE EXCEPT IN TAPER

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

2



* TAPER CENTER LINE AND WHITE EDGELINE 1 FOOT TO MATCH TYPICAL SECTION 60' MAINLINE BRIDGE

PAVEMENT MARKING LEGEND

(5) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) TO BE PLACED 1 FOOT FROM EDGE OF PAVEMENT EXCEPT IN TAPER

(6) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) TO BE PLACED BETWEEN EXISTING SKIPS EXCEPT IN TAPER

(7) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING) TO BE PLACED ON EXISTING WHITE EDGELINE EXCEPT IN TAPER

PAVEMENT MARKING LEGEND (ON STRUCTURES)

(1) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

(2) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

(3) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' DASH, 37.5' SKIP)

(4) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (2 TRAFFIC LANES FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

SB I-39/90 ON-RAMP FROM STH 59 WILL BE CLOSED DURING STAGE 1A. STH 59 TRAFFIC HEADED SOUTH ON I-39/90 TO BE DETOURED NORTH ALONG I-39/90 UNTIL STH 73. TRAFFIC WILL THEN RETURN SOUTH ON I-39/90. SEE "SB, B-53-357/358 DETOUR" SHEET FOR MORE DETAIL.

N

I-39/90 SB

I-39/90 NB

50' TYP.

420'

11'

12'

PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) TO BE PLACED 1 FOOT FROM EDGE OF PAVEMENT EXCEPT IN TAPER
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) TO BE PLACED BETWEEN EXISTING SKIPS EXCEPT IN TAPER
3. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING) TO BE PLACED ON EXISTING WHITE EDGELINE EXCEPT IN TAPER

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO:1001-10-81	HWY:IH 39/90	COUNTY:DANE	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , B-53-357/358	SHEET 66	E

2

N

SEE TC, LANE SHIFT DETAIL, LANE SHIFT
(2 TRAFFIC LANES FOR EXACT PLACEMENT OF
DRUMS AND SIGNAGE.

I-39/90 SB

I-39/90 NB

420'

840'

420'

10'
TYP

50'
TYP

1

1 3

2

W01-4bR

60
M.P.H.
W013-1
36"X36"

SEE TC, LANE SHIFT DETAIL, LANE SHIFT
(3 TRAFFIC LANES) FOR EXACT PLACEMENT OF
DRUMS AND SIGNAGE.

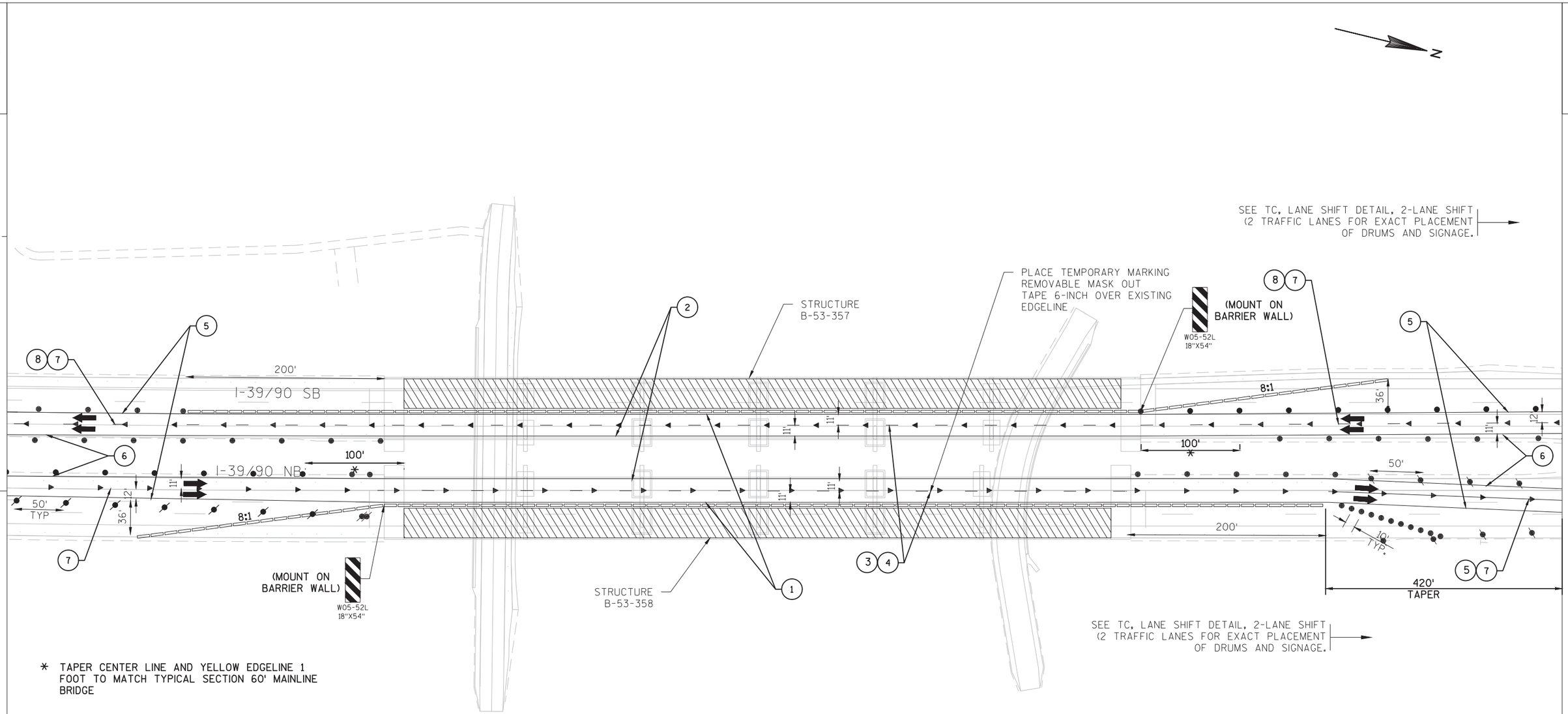
PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) TO BE PLACED BETWEEN EXISTING SKIPS EXCEPT IN TAPER
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) TO BE REPLACED 1 FOOT FROM EDGE OF PAVEMENT EXCEPT IN TAPER
3. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING) TO BE REPLACED ON EXISTING YELLOW EDGELINE EXCEPT IN TAPER

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

2



* TAPER CENTER LINE AND YELLOW EDGELINE 1 FOOT TO MATCH TYPICAL SECTION 60' MAINLINE BRIDGE

PAVEMENT MARKING LEGEND

(5) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) TO BE PLACED BETWEEN EXISTING SKIPS EXCEPT IN TAPER

(6) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) TO BE REPLACED 1 FOOT FROM EDGE OF PAVEMENT EXCEPT IN TAPER

(7) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING) TO BE REPLACED ON EXISTING YELLOW EDGELINE EXCEPT IN TAPER NB AND WITH SKIPS SB

(8) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)(12.5' LINE, 37.5' GAP)

PAVEMENT MARKING LEGEND (ON STRUCTURES)

(1) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

(2) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

(3) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)

(4) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

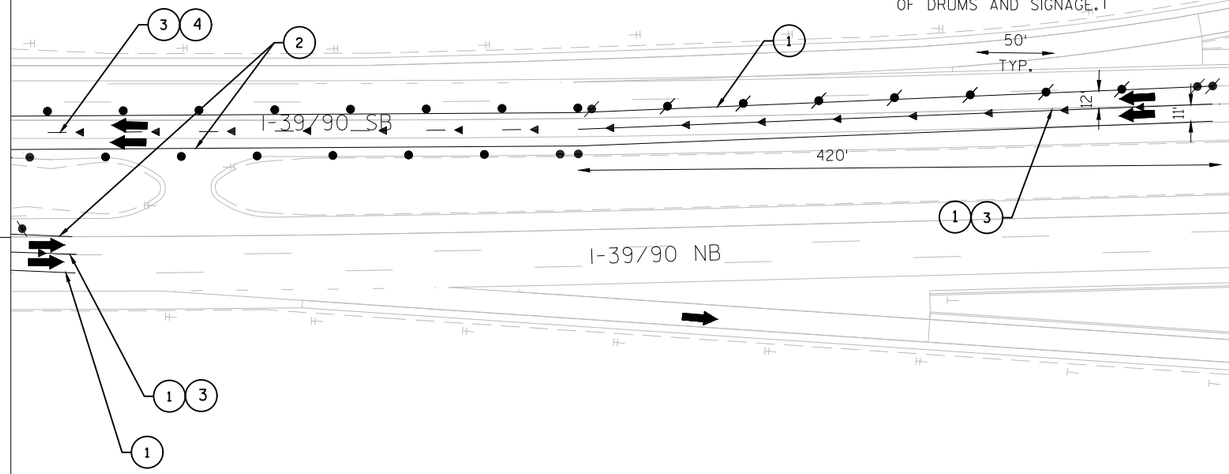
PROJECT NO:1001-10-81	HWY:IH 39/90	COUNTY:DANE	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , B-53-357/358	SHEET 68	E

2

N

SB I-39/90 ON-RAMP FROM STH 59 WILL BE CLOSED DURING STAGE 1B. STH 59 TRAFFIC HEADED SOUTH ON I-39/90 TO BE DETOURED NORTH ALONG I-39/90 UNTIL STH 73. TRAFFIC WILL THEN RETURN SOUTH ON I-39/90. SEE "SB, B-53-357/358 DETOUR" SHEET FOR MORE DETAIL.

SEE TC, LANE SHIFT DETAIL, 2-LANE SHIFT (2 TRAFFIC LANES FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.



PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) TO BE PLACED 1 FOOT FROM EDGE OF PAVEMENT EXCEPT IN TAPER
3. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING)
4. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE (12.5' DASH, 37.5' GAP)

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO:1001-10-81	HWY:IH 39/90	COUNTY:DANE	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , B-53-357/358	SHEET 69	E

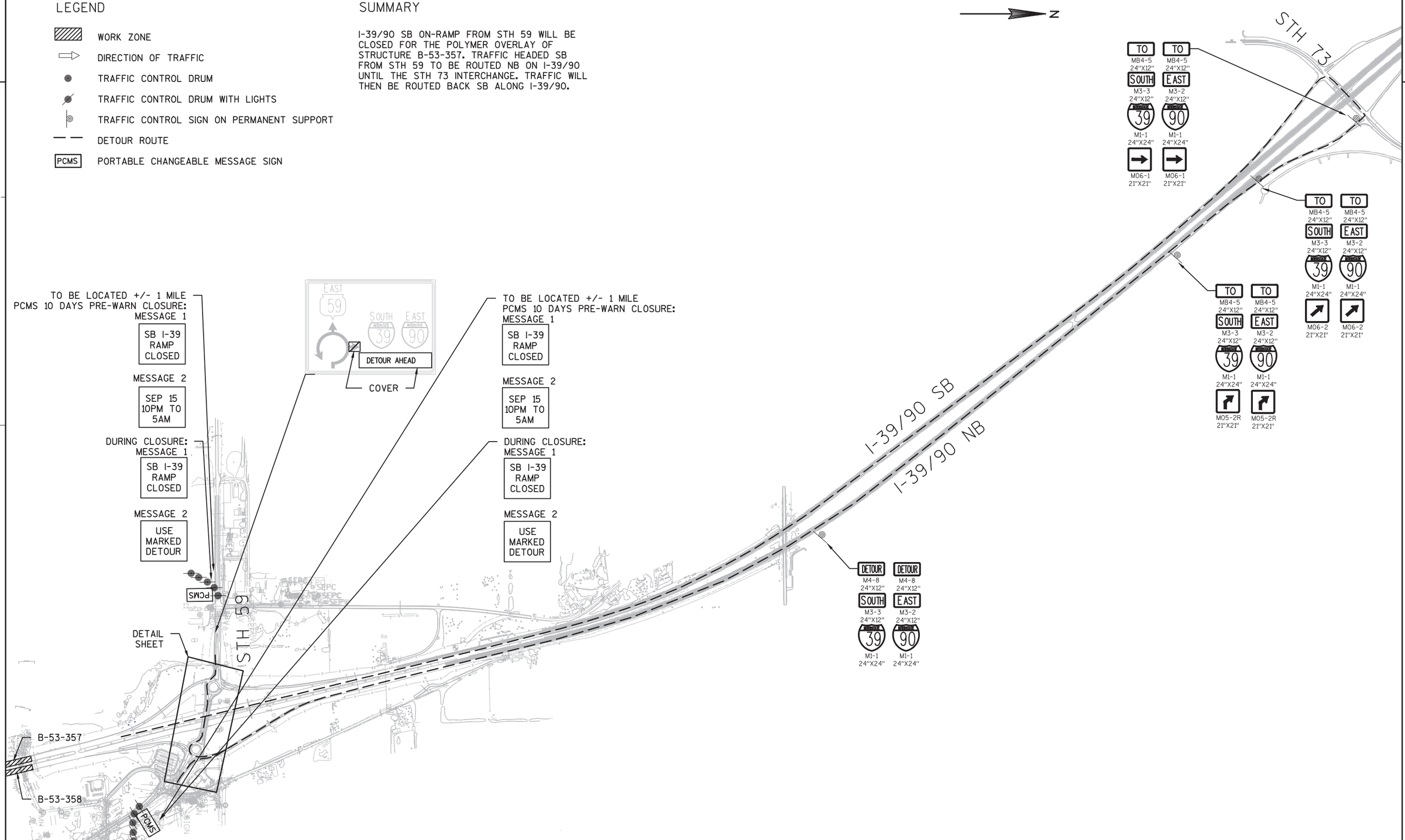
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LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- DETOUR ROUTE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

SUMMARY

I-39/90 SB ON-RAMP FROM STH 59 WILL BE CLOSED FOR THE POLYMER OVERLAY OF STRUCTURE B-53-357. TRAFFIC HEADED SB FROM STH 59 TO BE ROUTED NB ON I-39/90 UNTIL THE STH 73 INTERCHANGE. TRAFFIC WILL THEN BE ROUTED BACK SB ALONG I-39/90.



PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: SB, B-53-357/358 DETOUR	SHEET 70	E

2

N

STH 59

COVER

SOUTH EAST 59 90

59 WEST

RAMP CLOSED
R11-2-R
48"X30"

RAMP CLOSED USE ALT ROUTE
R11-54-F
48"X30"

OPEN FOLDING SIGN

TO MB4-5 24"X12"

SOUTH M3-3 24"X12"

EAST M3-2 24"X12"

39 M1-1 24"X24"

90 M1-1 24"X24"

MO5-1L 21"X21"

MO6-1 21"X21"

I-39/90 SB ON-RAMP FROM STH 59 WILL BE CLOSED FOR THE POLYMER OVERLAY OF STRUCTURE B-53-357. TRAFFIC HEADED SB FROM STH 59 TO BE ROUTED NB ON I-39/90 UNTIL THE STH 73 INTERCHANGE. TRAFFIC WILL THEN BE ROUTED BACK SB ALONG I-39/90.

I-39/90 SB

I-39/90 NB

Edgerton

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- DETOUR ROUTE
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: SB, B-53-357/358 DETOUR	SHEET 71	E

FILE NAME : L:\WORK\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_B-53-357 & 358_DETOUR.DWG **** - ****

PLOT DATE : 8/7/2019 3:30 PM PLOT BY : MROZ, ZACHARY T. PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT

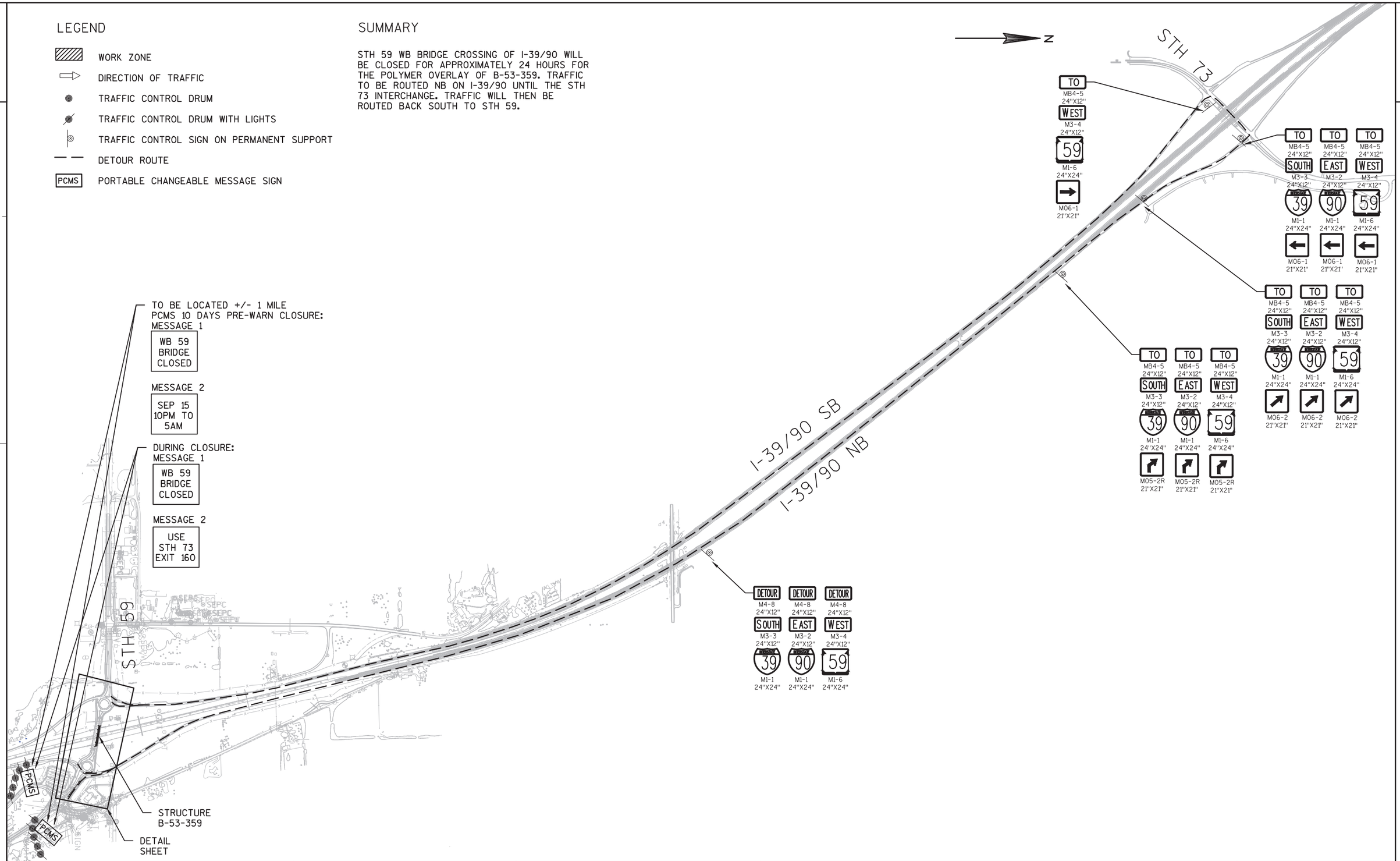
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LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- DETOUR ROUTE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

SUMMARY

STH 59 WB BRIDGE CROSSING OF I-39/90 WILL BE CLOSED FOR APPROXIMATELY 24 HOURS FOR THE POLYMER OVERLAY OF B-53-359. TRAFFIC TO BE ROUTED NB ON I-39/90 UNTIL THE STH 73 INTERCHANGE. TRAFFIC WILL THEN BE ROUTED BACK SOUTH TO STH 59.



PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , B-53-359 DETOUR	SHEET 72	E

2

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- DETOUR ROUTE
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

N

STH 59

48" CMP

STH 59 WB POLYMER OVERLAY TO BE PERFORMED DURING FULL CLOSURE (APPROX. 24 HOURS). TRAFFIC TO BE ROUTED NB ON I-39/90 UNTIL STH 73 INTERCHANGE. TRAFFIC WILL THEN BE ROUTED BACK SOUTH TO STH 59.

DRUMS ON INSIDE EB SHOULDER TO PROTECT WORK ZONE

STRUCTURE B-53-359

I-39/90 SB

I-39/90 NB

COVER

SOUTH EAST WEST
39 90 59
Edgerton
Janesville
1

TO MB4-5 24"X12"
SOUTH M3-3 24"X12"
39 M1-1 24"X24"
M06-1 21"X21"

TO MB4-5 24"X12"
EAST M3-2 24"X12"
90 M1-1 24"X24"
M06-1 21"X21"

TO MB4-5 24"X12"
WEST M3-4 24"X12"
59 M1-6 24"X24"
M06-1 21"X21"

LANE CLOSED
R11-2-L
48"X30"

W01-6
48"X24"

EXIT 163
59
Milton
Edgerton
1 1/4 MILES

COVER

SIGN LOCATED APPROXIMATELY 6800' SOUTH OF NB EXIT RAMP GORE

COVER
HOSPITAL
EXIT 163

SIGN LOCATED APPROXIMATELY 5100' SOUTH OF NB EXIT RAMP GORE

EXIT 163
59
Milton
Edgerton

COVER

SIGN LOCATED AT BEGINNING OF NB EXIT RAMP TAPER

COVER

59 WEST
Edgerton

COVER

SEE TC. LANE CLOSURE DETAIL. FOR TRAFFIC CONTROL ROUIRED TO COVER OVERHEAD SIGN.

PROJECT NO:1001-10-81	HWY:IH 39/90	COUNTY:ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , B-53-359 DETOUR	SHEET 73	E

2

N

END
ROAD WORK
G20-2A
48"X24"

STH 59

ROAD
WORK
AHEAD
W20-1-A

W01-6
48"X24"

TYPE III BARRICADE

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, LANE CLOSURE" AND "TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

25'

13'

50'

STRUCTURE
B-53-359

I-39/90 SB

I-39/90 NB

ROAD
WORK
AHEAD
W20-1-A

ROAD
WORK
AHEAD
W20-1-A

STH 59

END
ROAD WORK
G20-2A
48"X24"

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , B-53-359	SHEET 74	E

2

2

N

ROAD WORK AHEAD
W20-1-A

END ROAD WORK
G20-2A
48"X24"

STH 59

W01-6
48"X24"

TYPE III BARRICADE

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, LANE CLOSURE" AND "TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

25'

12'

50'

STRUCTURE
B-53-359

I-39/90 SB

I-39/90 NB

ROAD WORK AHEAD
W20-1-A

ROAD WORK AHEAD
W20-1-A

END ROAD WORK
G20-2A
48"X24"

STH 59

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1C , B-53-359	SHEET 75	E

2

ROAD WORK AHEAD
W20-1-A
48"X48"

W01-6
48"X24"
TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

USH 51

45'T'

+55.70'T'
-29.45' LT
+53.85'T'
-3.00' LT

+53.43'T'
3.00' RT

+14.24'T'
32.00' RT

LANE CLOSED
R11-2-L
48"X30"

15'

50'T'

+51.58'T'
29.45' RT

15'

+64.21'T'
-29.45' LT
+62.36'T'
-3.00' LT

50'

25'

+61.94'T'
3.00' RT
+60.09'T'
29.45' RT

W01-6
48"X24"
TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE-WAY ROAD" AND "TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

50'

55'T'

STH 73

END ROAD WORK
G20-2A
48"X24"

W01-6
48"X24"
TYPE III BARRICADE

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE-WAY ROAD" AND "TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2-L
48"X30"

W01-6
48"X24"
TYPE III BARRICADE

I-39/90 SB

I-39/90 NB

ROAD WORK AHEAD
W20-1-A
48"X48"

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO:1001-10-81	HWY: IH 39	COUNTY:DANE & ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , B-13-702	SHEET 76	E

2

ROAD WORK AHEAD
W20-1-A
48"X48"

W01-6
48"X24"

TYPE III BARRICADE

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE-WAY ROAD" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2-L
48"X30"

+56.96'T'
-47.45' LT

+55.70'T'
-29.45' LT

+65.47'T'
-47.45' LT

+64.21'T'
-29.45' LT

USH 51

45'T'

25'

50'T'

50'

55'T'

STH 73

+51.58'T'
29.45' RT

+50.33'T'
47.45' RT

+60.09'T'
29.45' RT

+58.83'T'
47.45' RT

I-39/90 SB

I-39/90 NB

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE-WAY ROAD" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO:1001-10-81	HWY: IH 39	COUNTY: DANE & ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , B-13-702	SHEET 77	E

2

2

N

USH 51

I-39/90 SB

I-39/90 NB

* TAPER CENTER LANE AND YELLOW EDGELINE 1 FT TO MATCH TYPICAL 60' MAINLINE BRIDGE SECTION

1805

50'

12'

11'

8:1

100'
*

1810

11'

11'

200'

1815

50'

200'

W011-2GR
48"X48"

60
M.P.H.
W013-1
36"X36"

(MOUNT ON BARRIER WALL)
W05-52R
18"X54"

STRUCTURE
B-13-708

LANE CLOSED
R11-2-L
48"X30"

I-39/90 NB ON-RAMP FROM USH 51 WILL BE CLOSED. USH 51 TRAFFIC HEADED NORTH ON I-39/90 TO BE DETOURED SOUTH ON I-39/90 TO STH 73 AND THEN WILL RETURN NORTH ALONG I-39/90. SEE "STAGE 1A/1B, B-13-708 DETOUR" SHEETS FOR MORE DETAIL.

SEE TC, LANE SHIFT DETAIL, LANE SHIFT (3 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

SEE TC, LANE SHIFT DETAIL, LANE SHIFT (3 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) TO BE PLACED OR BETWEEN EXISTING SKIPS EXCEPT IN TAPER
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) TO BE PLACED 1 FT FROM EDGE OF PAVEMENT EXCEPT IN TAPER
3. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING) TO BE PLACED ON EXISTING YELLOW EDGELINE EXCEPT IN TAPER

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , B-13-708	SHEET 78	E

2

N

USH 51

I-39/90 SB

I-39/90 NB

W01-6
48"X24"

TYPE III BARRICADE

(MOUNT ON BARRIER WALL)

W05-52L
18"X54"

+32.90
-12.00' LT

1805

1810

1815

50'

8:1

12'

11'

STRUCTURE
B-13-708

LANE CLOSED

R11-2-L
48"X30"

200'

200'

W01-4DR
48"X48"

60
M.P.H.

W013-1
36"X36"

1

2

3

I-39/90 NB ON-RAMP FROM USH 51 WILL BE CLOSED. USH 51 TRAFFIC HEADED NORTH ON I-39/90 TO BE DETOURED SOUTH ON I-39/90 TO STH 73 AND THEN WILL RETURN NORTH ALONG I-39/90. SEE "STAGE 1A/1B, B-13-708 DETOUR" SHEETS FOR MORE DETAIL.

SEE TC, LANE SHIFT DETAIL, LANE SHIFT (3 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

SEE TC, LANE SHIFT DETAIL, LANE SHIFT (3 TRAFFIC LANES) FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) TO BE PLACED 1 FT FROM EDGE OF PAVEMENT EXCEPT IN TAPER
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) TO BE PLACED BETWEEN EXISTING SKIPS
3. TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I (50' SPACING) TO BE PLACED ON EXISTING YELLOW EDGELINE EXCEPT IN TAPER

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , B-13-708	SHEET 79	E

FILE NAME : \\USMSN1FS001\PROD\DATA\LIBRARY\WORK\PROJECTS\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_B-13-708.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : JENINGA, JAMES PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
**** - ****

WISDOT/CADDS SHEET 42

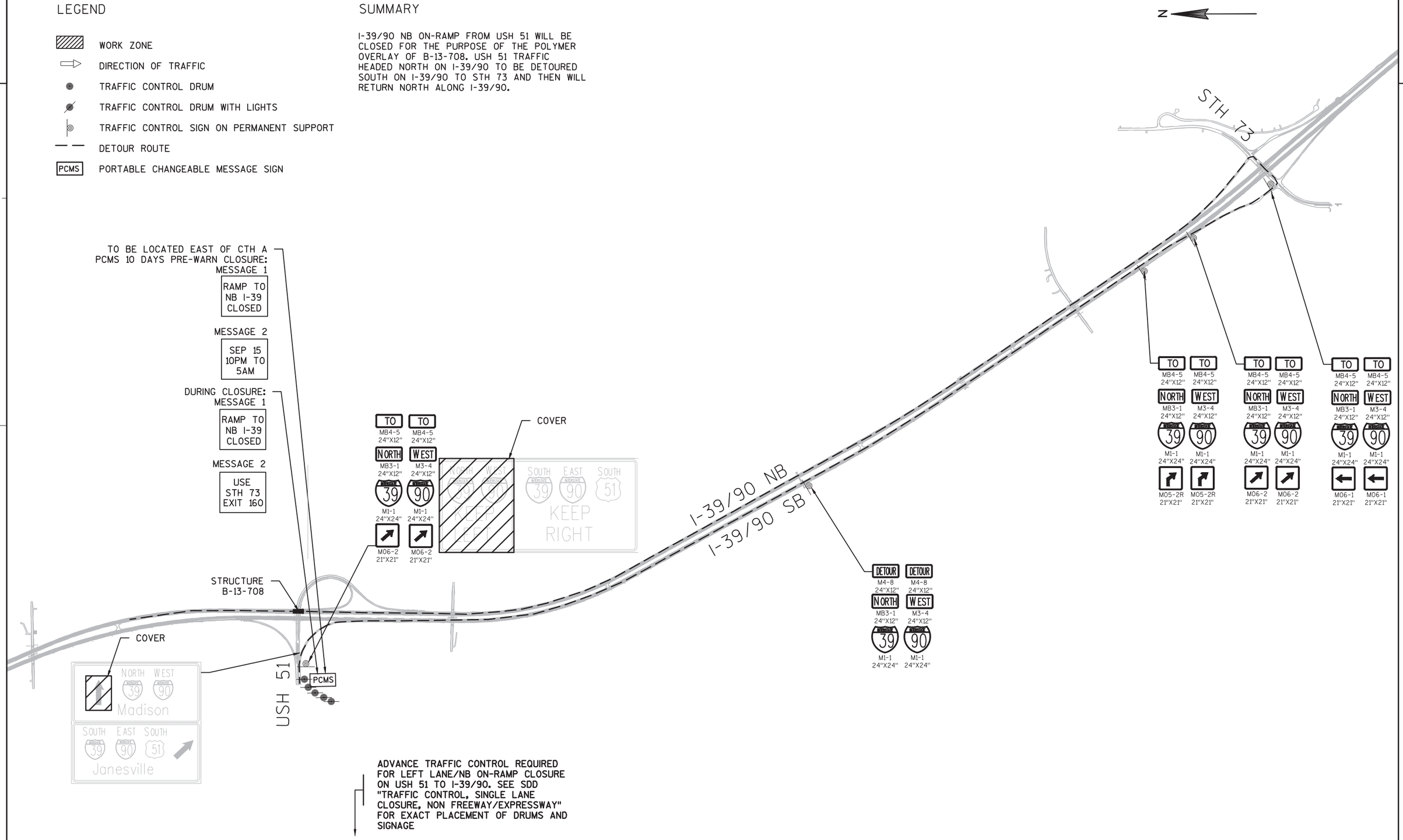
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LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- DETOUR ROUTE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

SUMMARY

I-39/90 NB ON-RAMP FROM USH 51 WILL BE CLOSED FOR THE PURPOSE OF THE POLYMER OVERLAY OF B-13-708. USH 51 TRAFFIC HEADED NORTH ON I-39/90 TO BE DETOURED SOUTH ON I-39/90 TO STH 73 AND THEN WILL RETURN NORTH ALONG I-39/90.



ADVANCE TRAFFIC CONTROL REQUIRED FOR LEFT LANE/NB ON-RAMP CLOSURE ON USH 51 TO I-39/90. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: TRAFFIC CONTROL DETAILS: NB, B-13-708 DETOUR	SHEET 80	E

2

N

ROAD WORK AHEAD
W20-1-A
48"X48"

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2-L
48"X30"

CTH N

+08.78'NN'
11.62' RT

94'NS'
94'NN'
96'NS'
96'NN'
98'NS'
98'NN'
25'
12'

+62.65'NS'
-12.00' LT
+99.41'NS'
-12.00' LT
50'
13'
100'NS
100'NN
102'NS
102'NN
+22.27'NN'
12.00' RT
+59.03'NN'
12.00' RT

STRUCTURE
B-13-720

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

104'NS'
104'NN'
106'NS'
106'NN'
108'NS'
108'NN'

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY " FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

I-39/90 SB

I-39/90 NB

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO: 1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1A , B-13-720	SHEET 81	E

FILE NAME : L:\WORK\60239782\000_CAD\001_DRAWINGS\1001-10-81 OVERLAY\AE_11081_TC_B-13-720.DWG
**** - ****
PLOT DATE : 9/3/2008 9:36 AM PLOT BY : MROZ, ZACHARY T. PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

N

ROAD WORK AHEAD
W20-1-A
48"X48"

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2-L
48"X30"

CTH N

96'NS'
94'NS'
94'NN'
96'NN'
98'NS'
98'NN'
25'
R
+64.83'NN'
12.00' RT

+70.11'NS'
-28.00' LT
+62.65'NS'
-12.00' LT
100'NS'
100'NN'
50'
11'
+22.27'NN'
12.00' RT
+14.81'NN'
28.00' RT

+06.87'NS'
-28.00' LT
+99.41'NS'
-12.00' LT
102'NS'
102'NN'
+59.03'NN'
12.00' RT
+51.56'NN'
28.00' RT

STRUCTURE
B-13-720

LANE CLOSED
R11-2-L
48"X30"

END ROAD WORK
G20-2A
48"X24"

104'NS'
104'NN'
106'NS'
106'NN'
108'NS'
108'NN'
+37.49'NS'
-12.00' LT

LANE CLOSED
R11-2-L
48"X30"

END ROAD WORK
G20-2A
48"X24"

RIGHT LANE MUST TURN RIGHT
R3-7-R
30"X30"
PLACE R3-7-R APPROX 500' BEFORE ROUNDABOUT RIGHT TURN LANE BEGINS

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING" FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

ADVANCE WARNING TRAFFIC CONTROL REQUIRED. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY " FOR EXACT PLACEMENT OF DRUMS AND SIGNAGE.

I-39/90 SB

I-39/90 NB

ROAD WORK AHEAD
W20-1-A
48"X48"

TRAFFIC CONTROL LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE WITH SIGN

PROJECT NO:1001-10-81	HWY: IH 39/90	COUNTY: DANE & ROCK	PLAN: TRAFFIC CONTROL DETAILS: STAGE 1B , B-13-720	SHEET 82	E

1001-10-81

Line	Item	Item Description	Unit	Total	Qty
0002	305.0500	Shaping Shoulders	STA	60.000	60.000
0004	509.0301	Preparation Decks Type 1	SY	5.000	5.000
0006	509.0310.S	Sawing Pavement Deck Preparation Areas	LF	10.000	10.000
0008	509.5100.S	Polymer Overlay	SY	61,527.000	61,527.000
0010	603.8000	Concrete Barrier Temporary Precast Delivered	LF	22,257.000	22,257.000
0012	603.8125	Concrete Barrier Temporary Precast Installed	LF	44,304.000	44,304.000
0014	619.1000	Mobilization	EACH	1.000	1.000
0016	642.5401	Field Office Type D	EACH	1.000	1.000
0018	643.0300	Traffic Control Drums	DAY	27,882.000	27,882.000
0020	643.0420	Traffic Control Barricades Type III	DAY	1,108.000	1,108.000
0022	643.0705	Traffic Control Warning Lights Type A	DAY	2,216.000	2,216.000
0024	643.0715	Traffic Control Warning Lights Type C	DAY	7,994.000	7,994.000
0026	643.0800	Traffic Control Arrow Boards	DAY	320.000	320.000
0028	643.0900	Traffic Control Signs	DAY	8,022.000	8,022.000
0030	643.0910	Traffic Control Covering Signs Type I	EACH	17.000	17.000
0032	643.0920	Traffic Control Covering Signs Type II	EACH	16.000	16.000
0034	643.1050	Traffic Control Signs PCMS	DAY	522.000	522.000
0036	643.1055.S	Truck or Trailer Mounted Attenuator	DAY	33.000	33.000
0038	643.5000	Traffic Control	EACH	1.000	1.000
0040	646.1020	Marking Line Epoxy 4-Inch	LF	24,508.000	24,508.000
0042	646.3020	Marking Line Epoxy 8-Inch	LF	2,412.000	2,412.000
0044	646.5020	Marking Arrow Epoxy	EACH	6.000	6.000
0046	646.5120	Marking Word Epoxy	EACH	4.000	4.000
0048	646.7120	Marking Diagonal Epoxy 12-Inch	LF	415.000	415.000
0050	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	439,916.000	439,916.000
0052	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	995.000	995.000
0054	649.0760	Temporary Marking Raised Pavement Marker Type I	EACH	2,843.000	2,843.000
0056	649.0960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	225.000	225.000
0058	SPV.0035	Special 01. Rapid Set Deck Repair	CY	5.000	5.000

STRUCTURES QUANTITIES

STRUCTURE	LOCATION	305.0500 SHAPING SHOULDERS STA	509.0301 PREPARATION DECKS TYPE 1 SY	509.0310.S SAWING PAVEMENT DECK PREPARATIONS AREAS LF	SPV.0035.01 RAPID SET DECK REPAIR CY
B-13-713	CTH B	15	--	--	--
B-13-715	CTH W	15	--	--	--
B-13-717	DROTNING RD	15	--	--	--
PROJECT WIDE	UNDISTRIBUTED	15	5	10	5
	CATEGORY 1000 TOTAL	60	--	--	--
	CATEGORY 2000 TOTAL	--	5	10	5
	PROJECT TOTAL	60	5	10	5

FIELD OFFICE

PROJECT ID	642.5401 FIELD OFFICE TYPE D EACH
1001-10-81	1
PROJECT TOTAL	1

3

TRAFFIC CONTROL - DRUMS, BARRICADES, WARNING LIGHTS, ARROW BOARDS, AND SIGNS

STRUCTURE	LOCATION	STAGE	DETAIL	DAYS IN SERVICE	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED (LF)	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED (LF)	643.0300 DRUMS NO.	643.0300 DRUMS (DAYS)	643.0420 BARRICADES TYPE III NO.	643.0420 BARRICADES TYPE III (DAYS)	643.0705 WARNING LIGHTS TYPE A NO.	643.0705 WARNING LIGHTS TYPE A (DAYS)	643.0715 WARNING LIGHTS TYPE C NO.	643.0715 WARNING LIGHTS TYPE C (DAYS)	643.0800 TRAFFIC CONTROL ARROW BOARDS NO.	643.0800 TRAFFIC CONTROL ARROW BOARDS (DAYS)	643.0900 SIGNS NO.	643.0900 SIGNS (DAYS)	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I (EACH)	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II (EACH)	643.1050 TRAFFIC CONTROL SIGNS PCMS NO.	643.1050 TRAFFIC CONTROL SIGNS PCMS (DAYS)	643.1055.S TRUCK OR TRAILER-MOUNTED ATTENUATOR (DAYS)	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (LF) (WHITE)	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (LF) (YELLOW)	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (LF)	649.0760 TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1 (EACH)	649.0960 TEMPORARY REMOVABLE MASK OUT TAPE 6-INCH (LF)	COMMENTS
B-53-325	STATELINE RD	-	ROAD CLOSED	2	--	--	--	--	18	36	36	72	--	--	--	--	14	28	--	--	2	24	--	--	--	--	--	--	
B-53-313	SHOPIERE RD	1A	TC PLAN	2	--	--	36	72	2	4	4	8	12	24	--	--	33	66	--	1	--	--	--	--	--	--	--	--	
B-53-313	SHOPIERE RD	1B	TC PLAN	2	--	--	27	54	--	--	--	--	--	--	2	4	30	60	--	--	--	--	--	--	--	--	--	--	
B-53-315	TURTLE CREEK	OUTSIDE	2-LN SHIFT, 2 LN	4	649	649	73	292	1	4	2	8	16	64	--	--	18	72	--	--	--	--	--	--	3,329	2,489	--	49	--	
B-53-315	TURTLE CREEK	MEDIAN	2-LN SHIFT, 2 LN	4	--	649	124	496	4	16	8	32	26	104	--	--	29	116	--	--	--	--	1	6,801	4,849	--	66	--	
B-53-314	TURTLE CREEK	OUTSIDE	2-LN SHIFT, 2 LN	4	688	688	99	396	1	4	2	8	33	132	--	--	23	92	--	--	--	--	--	--	8,456	4,228	--	33	--	
B-53-314	TURTLE CREEK	MEDIAN	2-LN SHIFT, 2 LN	4	--	688	33	132	1	4	2	8	14	56	--	--	23	92	--	--	--	--	1	4,776	2,388	--	14	--	
B-53-314, 5	TURTLE CREEK	NB	DETOUR	8	--	--	79	632	8	64	16	128	10	80	1	8	87	696	2	6	1	10	--	--	--	--	--	--	
B-53-314, 5	TURTLE CREEK	SB	DETOUR	4	--	--	30	120	3	12	6	24	5	20	--	--	33	132	--	--	--	--	--	--	--	--	--	--	
B-53-316	CREEK RD	-	ROAD CLOSED	2	--	--	--	--	18	36	36	72	--	--	--	--	14	28	--	--	2	24	--	--	--	--	--	--	
B-53-318	TOWNLINE RD NB	OUTSIDE	2-LN SHIFT, 2 LN	4	628	628	73	292	1	4	2	8	16	64	--	--	18	72	--	--	--	--	--	--	3,308	2,468	--	49	--	
B-53-318	TOWNLINE RD NB	MEDIAN	2-LN SHIFT, 2 LN	4	--	628	124	496	4	16	8	32	26	104	--	--	29	116	--	--	--	--	1	6,775	4,788	--	66	--	
B-53-317	TOWNLINE RD SB	OUTSIDE	2-LN SHIFT, 2 LN	4	628	628	73	292	1	4	2	8	16	64	--	--	18	72	--	--	--	--	--	--	3,308	2,468	--	49	--	
B-53-317	TOWNLINE RD SB	MEDIAN	2-LN SHIFT, 2 LN	4	--	628	124	496	4	16	8	32	26	104	--	--	29	116	--	--	--	--	1	6,775	4,788	--	66	--	
B-53-319	WOODMAN RD	-	ROAD CLOSED	2	--	--	--	--	18	36	36	72	--	--	--	--	14	28	--	--	2	24	--	--	--	--	--	--	
B-53-322	UP RR NB	OUTSIDE	2-LN SHIFT, 2 LN	4	788	788	73	292	1	4	2	8	16	64	--	--	18	72	--	--	--	--	--	--	3,468	2,628	--	49	--	
B-53-322	UP RR NB	MEDIAN	2-LN SHIFT, 2 LN	4	--	788	124	496	4	16	8	32	26	104	--	--	29	116	--	--	--	--	1	6,975	4,948	--	66	--	
B-53-321	UP RR SB	OUTSIDE	2-LN SHIFT, 2 LN	4	788	788	73	292	1	4	2	8	16	64	--	--	18	72	--	--	--	--	--	--	3,468	2,628	--	49	--	
B-53-321	UP RR SB	MEDIAN	2-LN SHIFT, 2 LN	4	--	788	124	496	4	16	8	32	26	104	--	--	29	116	--	--	--	--	1	6,975	4,948	--	66	--	
B-53-323, 4	AVALON RD	1A	TC PLAN	2	--	--	122	244	11	22	22	44	28	56	4	8	36	72	--	--	--	--	--	--	--	--	--	--	
B-53-323, 4	AVALON RD	1B	TC PLAN	2	--	--	121	242	8	16	16	32	14	28	4	8	26	52	--	--	--	--	--	--	--	--	--	--	
B-53-230	CTH O/WSOR NB	OUTSIDE	2-LN SHIFT, 3 LN	4	808	808	108	432	3	12	6	24	38	152	2	8	26	104	--	--	--	--	--	--	3,488	3,688	--	54	--	
B-53-230	CTH O/WSOR NB	MEDIAN	2-LN SHIFT, 3 LN	4	--	808	108	432	3	12	6	24	38	152	2	8	24	96	--	--	--	--	1	3,136	2,448	--	54	--	
B-53-229	CTH O/WSOR SB	OUTSIDE	2-LN SHIFT, 3 LN	4	802	802	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	--	3,482	3,682	--	54	--	
B-53-229	CTH O/WSOR SB	MEDIAN	2-LN SHIFT, 3 LN	4	--	802	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	1	3,132	2,442	--	54	--	
B-53-229,30	CTH O/WSOR SB	NB	DETOUR	8	--	--	25	200	3	24	6	48	25	200	--	--	2	16	2	--	5	90	--	--	--	--	--	--	
B-53-229,30	CTH O/WSOR SB	SB	DETOUR	4	--	--	113	452	13	52	26	104	27	108	2	8	92	368	5	1	2	28	--	--	--	--	--	--	
B-53-329	STH 11/ RACINE ST	1A	TC PLAN	2	--	--	237	474	14	28	28	56	54	108	8	16	56	112	--	--	--	--	--	--	--	--	--	--	
B-53-329	STH 11/ RACINE ST	1B	TC PLAN	2	--	--	248	496	12	24	24	48	54	108	8	16	48	96	--	--	--	--	--	--	--	--	--	--	
--	760+00 TO 775+00 NB	1A	JANESVILLE	6	--	--	93	558	2	12	4	24	19	114	--	--	18	108	--	--	--	--	--	--	2,070	1,730	250	28	225	
--	760+00 TO 775+00 NB	1B	JANESVILLE	6	--	--	53	318	1	6	2	12	10	60	--	--	13	78	--	--	--	--	--	--	2,452	1,650	250	10	--	
--	760+00 TO 775+00 SB	1A	JANESVILLE	6	--	--	84	504	2	12	4	24	35	210	--	--	10	60	--	--	--	--	--	--	1,780	1,250	245	41	--	
--	760+00 TO 775+00 SB	1B	JANESVILLE	6	--	--	33	198	--	--	--	--	19	114	--	--	4	24	--	--	--	--	--	--	1,470	860	250	14	--	
																									85,424	61,368				
			PAGE SUBTOTALS		5,779	11,558		10,760		532		1,064		2,866		100		3,532	9	8		200	8		146,792		995	931	225	

1 CYCLE COVERING SIGNS TYPE I AND TYPE II

*****ALL ITEMS CATEGORY 1000 UNLESS OTHERWISE NOTED.**

TRAFFIC CONTROL - DRUMS, BARRICADES, WARNING LIGHTS, ARROW BOARDS, AND SIGNS

3

STRUCTURE	LOCATION	STAGE	DETAIL	DAYS IN SERVICE	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED (LF)	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED (LF)	643.0300 DRUMS NO.	643.0300 DRUMS (DAYS)	643.0420 BARRICADES TYPE III NO.	643.0420 BARRICADES TYPE III (DAYS)	643.0705 WARNING LIGHTS TYPE A NO.	643.0705 WARNING LIGHTS TYPE A (DAYS)	643.0715 WARNING LIGHTS TYPE C NO.	643.0715 WARNING LIGHTS TYPE C (DAYS)	643.0800 TRAFFIC CONTROL ARROW BOARDS NO.	643.0800 TRAFFIC CONTROL ARROW BOARDS (DAYS)	643.0900 SIGNS NO.	643.0900 SIGNS (DAYS)	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I (EACH)	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II (EACH)	643.1050 TRAFFIC CONTROL SIGNS PCMS NO.	643.1050 TRAFFIC CONTROL SIGNS PCMS (DAYS)	643.1055.S TRUCK OR TRAILER-MOUNTED ATTENUATOR (DAYS)	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (LF) (WHITE)	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (LF) (YELLOW)	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (LF)	649.0760 TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1 (EACH)	649.0960 TEMPORARY REMOVABLE MASK OUT TAPE 6-INCH (LF)	COMMENTS
B-53-331	PALMER DR NB	1A	JANESVILLE	6	620	620	28	168	--	--	--	--	12	72	--	--	1	6	--	--	--	--	--	--	1,340	1,400	--	28	--	
B-53-331	PALMER DR NB	1B	JANESVILLE	6	--	500	26	156	--	--	--	--	13	78	--	--	1	6	--	--	--	--	--	1	1,655	1,330	--	--	--	
B-53-330	PALMER DR SB	1A	JANESVILLE	6	590	590	33	198	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	--	1,783	1,400	--	28	--	
B-53-330	PALMER DR SB	1B	JANESVILLE	6	--	540	14	--	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	1	1,957	1,330	--	1	--	
B-53-333	SPRING BK NB	1A	JANESVILLE	6	600	600	21	126	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	--	1,750	1,400	--	28	--	
B-53-333	SPRING BK NB	1B	JANESVILLE	6	--	600	18	108	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	1	1,737	1,390	--	--	--	
B-53-332	SPRING BK SB	1A	JANESVILLE	6	570	570	19	114	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	--	1,908	1,400	--	28	--	
B-53-332	SPRING BK SB	1B	JANESVILLE	6	--	570	20	120	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	1	1,923	1,390	--	--	--	
B-53-335	RUGER AV NB	1A	JANESVILLE	6	520	520	14	84	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	--	1,555	1,230	--	26	--	
B-53-335	RUGER AV NB	1B	JANESVILLE	6	--	520	18	108	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	1	1,555	1,230	--	--	--	
B-53-334	RUGER AV SB	1A	JANESVILLE	6	560	560	13	78	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	--	1,555	1,230	--	26	--	
B-53-334	RUGER AV SB	1B	JANESVILLE	6	--	540	15	90	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	1	1,555	1,230	--	--	--	
--	816+00 TO 844+00 NB	1A	JANESVILLE	6	--	--	28	168	1	6	2	12	--	--	--	--	2	12	--	--	--	--	--	--	3,500	2,800	--	--	--	
--	816+00 TO 844+00 NB	1B	JANESVILLE	6	--	--	28	168	1	6	2	12	--	--	--	--	2	12	--	--	--	--	--	--	3,500	2,800	--	--	--	
--	816+00 TO 844+00 SB	1A	JANESVILLE	6	--	--	28	168	1	6	2	12	--	--	--	--	2	12	--	--	--	--	--	--	3,500	2,800	--	--	--	
--	816+00 TO 844+00 SB	1B	JANESVILLE	6	--	--	28	168	1	6	2	12	--	--	--	--	2	12	--	--	--	--	--	--	3,500	2,800	--	--	--	
B-53-215	MILWAUKEE ST NB	1A	JANESVILLE	6	600	600	17	102	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	--	1,600	1,250	--	28	--	
B-53-215	MILWAUKEE ST NB	1B	JANESVILLE	6	--	600	16	96	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	1	1,600	1,250	--	--	--	
B-53-214	MILWAUKEE ST SB	1A	JANESVILLE	6	600	600	15	90	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	--	1,600	1,250	--	28	--	
B-53-214	MILWAUKEE ST SB	1B	JANESVILLE	6	20	620	17	102	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	1	1,590	1,250	--	--	--	
B-53-337	MT ZION NB	1A	JANESVILLE	6	520	520	28	168	--	--	--	--	10	60	--	--	1	6	--	--	--	--	--	--	1,570	1,130	--	23	--	
B-53-337	MT ZION NB	1B	JANESVILLE	6	--	520	24	144	--	--	--	--	8	48	--	--	1	6	--	--	--	--	--	1	1,792	1,210	--	7	--	
B-53-336	MT ZION SB	1A	JANESVILLE	6	530	530	18	108	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	--	1,413	1,130	--	23	--	
B-53-336	MT ZION SB	1B	JANESVILLE	6	--	530	12	72	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--	1	1,525	1,220	--	--	--	
--	870+00 TO 880+00 NB	1A	JANESVILLE	6	--	--	27	162	--	--	--	--	21	126	--	--	--	--	--	--	--	--	--	--	2,625	1,350	--	21	--	
--	870+00 TO 880+00 NB	1B	JANESVILLE	6	--	--	8	48	--	--	--	--	4	24	--	--	2	12	--	--	--	--	--	--	125	100	--	4	--	
--	870+00 TO 880+00 SB	1A	JANESVILLE	6	--	--	33	198	2	12	4	24	16	96	--	--	17	102	--	--	--	--	--	--	3,228	2,000	--	35	--	
--	870+00 TO 880+00 SB	1B	JANESVILLE	6	--	--	14	84	1	6	2	12	6	36	--	--	1	6	--	--	--	--	--	--	1,338	1,020	--	4	--	
B-53-358	ROCK RIVER NB	OUTSIDE	2-LN SHIFT, 3 LN	4	1,203	1,203	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	--	3,883	4,083	--	61	--	
B-53-358	ROCK RIVER NB	MEDIAN	2-LN SHIFT, 3 LN	4	--	1,203	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	1	3,432	2,843	--	61	--	
B-53-357	ROCK RIVER SB	OUTSIDE	2-LN SHIFT, 2 LN	4	1,238	1,238	73	292	1	4	2	8	16	64	--	--	18	72	--	--	--	--	--	--	3,918	3,078	--	61	--	
B-53-357	ROCK RIVER SB	MEDIAN	2-LN SHIFT, 2 LN	4	--	1,238	124	496	4	16	8	32	26	104	--	--	29	116	--	--	--	--	--	1	7,538	5,398	--	66	--	
B-53-357	ROCK RIVER SB	SB	DETOUR	8	--	--	14	112	1	8	2	16	10	80	--	--	64	512	4	4	2	36	--	--	--	--	--	--	--	
B-53-359	STH 59	1A	DETOUR	2	--	--	35	70	7	14	14	28	20	40	--	--	64	128	4	2	2	24	--	--	--	--	--	--	--	
B-53-359	STH 59	1B	TC PLAN	2	--	--	22	44	1	2	2	4	5	10	--	--	15	30	--	--	--	--	--	--	--	--	--	--	--	
B-53-359	STH 59	1C	TC PLAN	2	--	--	15	30	1	2	2	4	4	8	--	--	15	30	--	--	--	--	--	--	--	--	--	--	--	
																									73,050	56,722				
			PAGE SUBTOTALS		8,171	16,132		5,304		104		208		1,150		16		1,360	8	6		60	12		129,772		0	587	0	

1 CYCLE COVERING SIGNS
TYPE I AND TYPE II

*****ALL ITEMS CATEGORY 1000 UNLESS OTHERWISE NOTED.**

TRAFFIC CONTROL - DRUMS, BARRICADES, WARNING LIGHTS, ARROW BOARDS, AND SIGNS

STRUCTURE	LOCATION	STAGE	DETAIL	DAYS IN SERVICE	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED (LF)	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED (LF)	643.0300 DRUMS NO.	643.0300 DRUMS (DAYS)	643.0420 BARRICADES TYPE III NO.	643.0420 BARRICADES TYPE III (DAYS)	643.0705 WARNING LIGHTS TYPE A NO.	643.0705 WARNING LIGHTS TYPE A (DAYS)	643.0715 WARNING LIGHTS TYPE C NO.	643.0715 WARNING LIGHTS TYPE C (DAYS)	643.0800 TRAFFIC CONTROL ARROW BOARDS NO.	643.0800 TRAFFIC CONTROL ARROW BOARDS (DAYS)	643.0900 SIGNS NO.	643.0900 SIGNS (DAYS)	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I (EACH)	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II (EACH)	643.1050 TRAFFIC CONTROL SIGNS PCMS NO.	643.1050 TRAFFIC CONTROL SIGNS PCMS (DAYS)	643.1055.S TRUCK OR TRAILER-MOUNTED ATTENUATOR (DAYS)	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (LF) (WHITE)	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (LF) (YELLOW)	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (LF)	649.0760 TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1 (EACH)	649.0960 TEMPORARY REMOVABLE MASK OUT TAPE 6-INCH (LF)	COMMENTS
B-13-701	LAKE DRIVE RD NB	OUTSIDE	2-LN SHIFT, 3 LN	4	668	668	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	3,348	3,548	--	52	--	
B-13-701	LAKE DRIVE RD NB	MEDIAN	2-LN SHIFT, 3 LN	4	--	668	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	1	3,031	2,308	--	52	--	
B-13-700	LAKE DRIVE RD SB	OUTSIDE	2-LN SHIFT, 2 LN	4	668	668	73	292	1	4	2	8	16	64	--	--	18	72	--	--	--	--	--	3,348	2,508	--	49	--	
B-13-700	LAKE DRIVE RD SB	MEDIAN	2-LN SHIFT, 2 LN	4	--	668	124	496	4	16	8	32	26	104	--	--	29	116	--	--	--	--	1	6,825	4,828	--	66	--	
B-13-702	USH 51/STH 73	1A	TC PLAN	2	--	--	70	140	6	12	12	24	14	28	2	4	26	52	--	--	--	--	--	--	--	--	--	--	
B-13-702	USH 51/STH 73	1B	TC PLAN	2	--	--	70	140	4	8	8	16	13	26	--	--	24	48	--	--	--	--	--	--	--	--	--	--	
B-13-703	EDGERTON RD	-	ROAD CLOSED	2	--	--	--	--	18	36	36	72	--	--	--	--	14	28	--	--	2	24	--	--	--	--	--	--	
B-13-705	SAUNDERS CK NB	OUTSIDE	2-LN SHIFT, 3 LN	4	583	583	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	3,263	3,463	--	50	--	
B-13-705	SAUNDERS CK NB	MEDIAN	2-LN SHIFT, 3 LN	4	--	583	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	1	2,967	2,223	--	50	--	
B-13-704	SAUNDERS CK SB	OUTSIDE	2-LN SHIFT, 3 LN	4	583	583	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	3,263	3,463	--	50	--	
B-13-704	SAUNDERS CK SB	MEDIAN	2-LN SHIFT, 3 LN	4	--	583	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	1	2,967	2,223	--	50	--	
B-13-706	MAPLE GROVE RD	-	ROAD CLOSED	2	--	--	--	--	18	36	36	72	--	--	--	--	14	28	--	--	2	24	--	--	--	--	--	--	
B-13-708	USH 51 NB	OUTSIDE	2-LN SHIFT, 3 LN	4	640	640	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	3,320	3,520	--	50	--	
B-13-708	USH 51 NB	MEDIAN	2-LN SHIFT, 3 LN	4	--	640	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	1	3,010	2,280	--	50	--	
B-13-708	USH 51 NB	NB	DETOUR	8	--	--	5	40	--	--	--	--	5	40	--	--	38	304	--	--	2	1	18	--	--	--	--	--	
B-13-707	USH 51 SB	OUTSIDE	2-LN SHIFT, 3 LN	4	640	640	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	3,320	3,520	--	50	--	
B-13-707	USH 51 SB	MEDIAN	2-LN SHIFT, 3 LN	4	--	640	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	1	3,010	2,280	--	50	--	
B-13-709	CTH A	-	ROAD CLOSED	2	--	--	--	--	18	36	36	72	--	--	--	--	14	28	--	--	2	24	--	--	--	--	--	--	
B-13-711	CHURCH RD NB	OUTSIDE	2-LN SHIFT, 3 LN	4	640	640	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	3,320	3,520	--	50	--	
B-13-711	CHURCH RD NB	MEDIAN	2-LN SHIFT, 3 LN	4	--	640	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	1	3,010	2,280	--	50	--	
B-13-710	CHURCH RD SB	OUTSIDE	2-LN SHIFT, 3 LN	4	640	640	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	3,320	3,520	--	50	--	
B-13-710	CHURCH RD SB	MEDIAN	2-LN SHIFT, 3 LN	4	--	640	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	1	3,010	2,280	--	50	--	
B-13-713	CTH B NB	OUTSIDE	2-LN SHIFT, 3 LN	4	683	683	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	3,363	3,563	--	51	--	
B-13-713	CTH B NB	MEDIAN	2-LN SHIFT, 3 LN	4	--	683	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	1	3,042	2,323	--	51	--	
B-13-715	CTH W NB	OUTSIDE	2-LN SHIFT, 3 LN	4	688	688	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	3,368	3,568	--	51	--	
B-13-715	CTH W NB	MEDIAN	2-LN SHIFT, 3 LN	4	--	688	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	1	3,140	2,453	--	51	--	
B-13-717	DROTNING RD NB	OUTSIDE	2-LN SHIFT, 3 LN	4	688	688	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	3,368	3,568	--	51	--	
B-13-717	DROTNING RD NB	MEDIAN	2-LN SHIFT, 3 LN	4	--	688	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	1	3,140	2,453	--	51	--	
B-13-718	CTH BN	-	ROAD CLOSED	2	--	--	--	--	18	36	36	72	--	--	--	--	14	28	--	--	2	24	--	--	--	--	--	--	
B-13-719	CHURCH ST	-	ROAD CLOSED	2	--	--	--	--	18	36	36	72	--	--	--	--	14	28	--	--	2	24	--	--	--	--	--	--	
B-13-720	CTH N	1A	TC PLAN	2	--	--	97	194	6	12	12	24	5	10	2	4	34	68	--	--	--	--	--	--	--	--	--	--	
B-13-720	CTH N	1B	TC PLAN	2	--	--	74	148	6	12	12	24	29	58	2	4	47	94	--	--	--	--	--	--	--	--	--	--	
B-13-721	WILLIAMS DR	-	ROAD CLOSED	2	--	--	--	--	18	36	36	72	--	--	--	--	14	28	--	--	2	24	--	--	--	--	--	--	
B-13-723	CTH MN NB	OUTSIDE	2-LN SHIFT, 3 LN	4	603	603	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	3,283	3,483	--	50	--	
B-13-723	CTH MN NB	MEDIAN	2-LN SHIFT, 3 LN	4	--	603	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	1	2,982	2,243	--	50	--	
B-13-725	DOOR CREEK NB	OUTSIDE	2-LN SHIFT, 3 LN	4	583	583	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	--	3,263	3,463	--	50	--	
B-13-725	DOOR CREEK NB	MEDIAN	2-LN SHIFT, 3 LN	4	--	583	108	432	2	8	4	16	38	152	2	8	23	92	--	--	--	--	1	2,967	2,223	--	50	--	
--	UNDISTRIBUTED	-	-	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	100	--	--	--	--	--	--	
																								86,248	77,104				
			PAGE SUBTOTALS		8,307	16,614		11,818		472		944		3,978		204		3,130	0	2		262	13	163,352		0	1,325	0	
																								244,722	195,194				
			TOTALS		22,257	44,304		27,882		1,108		2,216		7,994		320		8,022	17	16		522	33	439,916		995	2,843	225	

1 CYCLE COVERING SIGNS
TYPE I AND TYPE II

*****ALL ITEMS CATEGORY 1000 UNLESS OTHERWISE NOTED.**

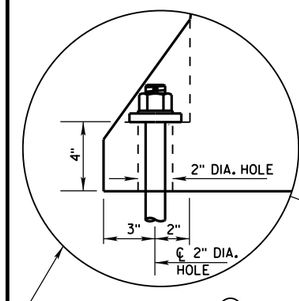
PAVEMENT MARKING EPOXY

STRUCTURE	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH WHITE (LF)	646.1020 MARKING LINE EPOXY 4-INCH YELLOW (LF)	646.3020 MARKING LINE EPOXY 8-INCH (LF)	646.5020 MARKING ARROW EPOXY (EA)	646.5120 MARKING WORD EPOXY (EA)	646.7120 MARKING DIAGONAL EPOXY 12-INCH WHITE (LF)	646.7120 MARKING DIAGONAL EPOXY 12-INCH YELLOW (LF)	COMMENTS
ROCK COUNTY:									
B-53-325	STATELINE RD	442	442	--	--	--	--	--	
B-53-313	SHOPIERE RD	424	--	424	--	--	--	--	
B-53-314/315	TURTLE CREEK	402	322	51	--	--	--	--	
B-53-316	CREEK RD	470	470	--	--	--	--	--	
B-53-317/318	TOWNLINE RD	282	188	--	--	--	--	--	
B-53-319	WOODMAN RD	460	460	--	--	--	--	--	
B-53-321/322	UP RR	780	520	--	--	--	--	--	
B-53-323/324	STH 11/ AVALON RD	582	466	233	--	--	235	--	
B-53-229/230	CTH O/WSOR	793	634	708	--	--	--	--	
B-53-329	STH 11/ RACINE ST	118	472	--	--	--	--	180	
B-53-330/331	PALMER DR	176	140	158	--	--	--	--	
B-53-332/333	SPRING BROOK	282	226	--	--	--	--	--	
B-53-334/335	RUGER AV	176	140	--	--	--	--	--	
B-53-214/215	MILWAUKEE ST	378	302	--	--	--	--	--	
B-53-336/337	MT ZION AVE	176	140	--	--	--	--	--	
B-53-357/358	ROCK RIVER	1967	1430	--	--	--	--	--	
B-53-359	STH 59	207	414	--	--	--	--	--	
DANE COUNTY:									
B-13-700/701	LAKE DRIVE RD	405	270	--	--	--	--	--	
B-13-702	USH 51/STH 73	416	416	416	2	--	--	--	
B-13-703	EDGERTON RD	520	520	--	--	--	--	--	
B-13-704/705	SAUNDERS CREEK	279	186	--	--	--	--	--	
B-13-706	MAPLE GROVE RD	--	--	--	--	--	--	--	
B-13-708	USH 51 NB	225	152	304	--	--	--	--	
B-13-707	USH 51 SB	225	152	--	--	--	--	--	
B-13-709	CTH A	610	610	--	--	--	--	--	
B-13-710/711	CHURCH RD	345	230	--	--	--	--	--	
B-13-713	CTH B NB	219	146	--	--	--	--	--	
B-13-715	CTH W NB	240	160	--	--	--	--	--	
B-13-717	DROTNING RD NB	248	165	--	--	--	--	--	
B-13-718	CTH BN	552	552	--	--	--	--	--	
B-13-719	CHURCH ST	530	530	--	--	--	--	--	
B-13-720	CTH N	474	474	118	4	4	--	--	
B-13-721	WILLIAMS DR	--	--	--	--	--	--	--	
B-13-723	CTH MN NB	258	172	--	--	--	--	--	
B-13-725	DOOR CREEK NB	138	92	--	--	--	--	--	
	SUBTOTALS	13,357	11,151	2,412	6	4	235	180	
		24,508					415		
	PROJECT TOTALS	24,508		2,412	6	4	415		

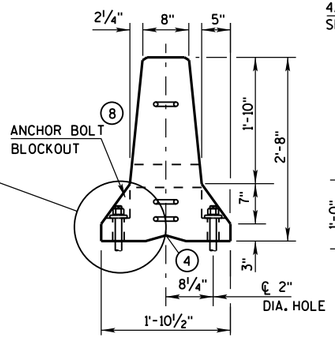
***ALL ITEMS CATEGORY 1000 UNLESS OTHERWISE NOTED.

Standard Detail Drawing List

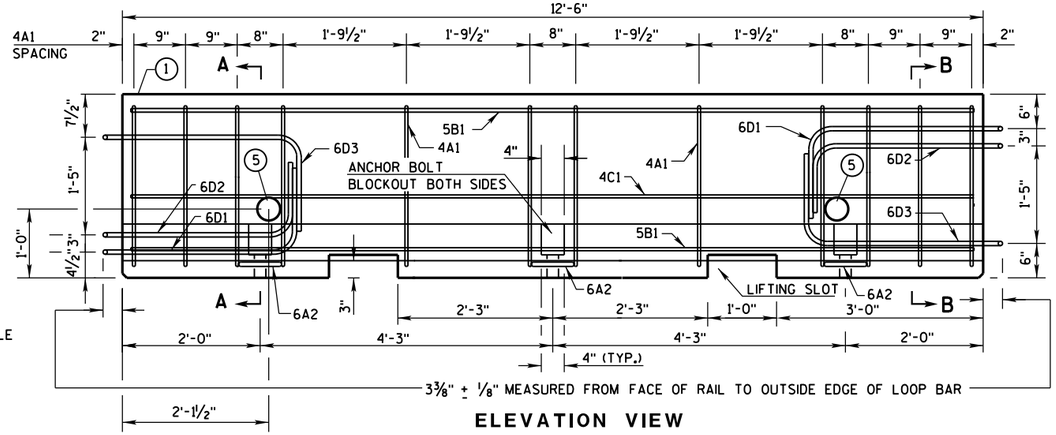
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
15C02-07A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-07B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-07C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-07D	ON RAMP LANE CLOSURE
15C02-07E	OFF RAMP LANE CLOSURE
15C02-07F	ADVANCED WIDTH RESTRICTION SIGNING
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C06-09	SIGNING & MARKING FOR TWO LANE BRIDGES
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C07-14D	ROUNDABOUT ARROWS
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15C08-19C	PAVEMENT MARKING (TURN LANES)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C35-03A	PAVEMENT MARKING (INTERSECTIONS)
15D03-05	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER
15D12-07A	TRAFFIC CONTROL, LANE CLOSURE
15D12-07B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D14-03	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)
15D16-04	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D20-04	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-06	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D30-05A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-05B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-05C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D40-01	TRAFFIC CONTROL, LANE SHIFT, MULTILANE DIVIDED OR ONE WAY ROAD



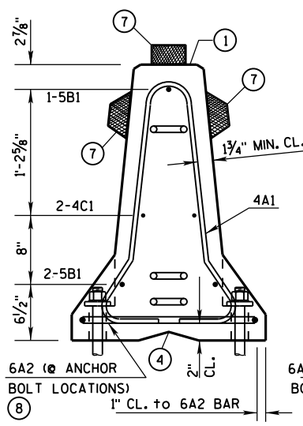
ANCHOR ON TRAFFIC SIDE (8) ONLY WHEN REQUIRED (SEE SHEET D FOR ADDITIONAL ANCHOR DETAIL)



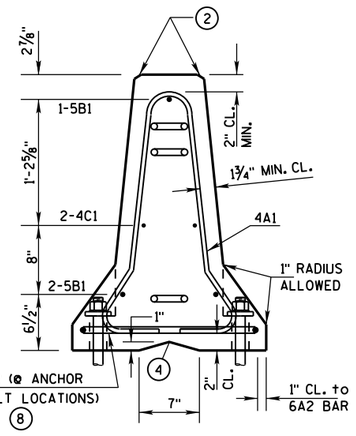
END VIEW



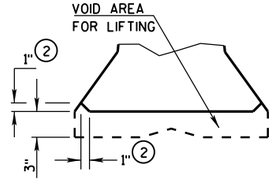
ELEVATION VIEW



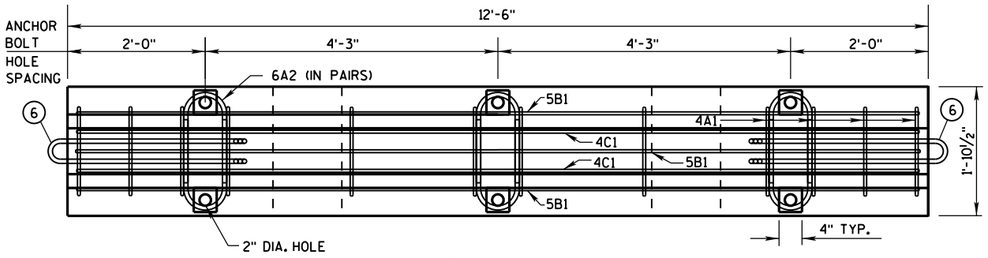
SECTION A-A
(STIRRUP PLACEMENT)



SECTION B-B
(STIRRUP PLACEMENT)

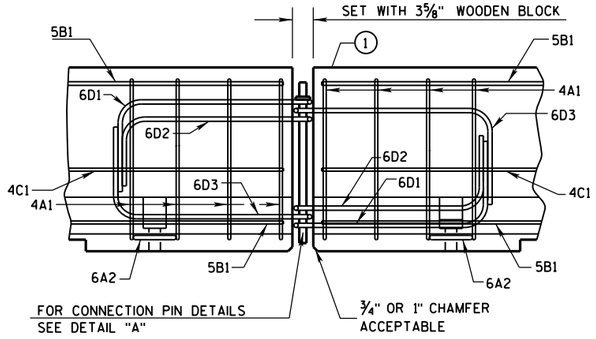


DETAIL "B"
LIFTING SLOT DETAIL

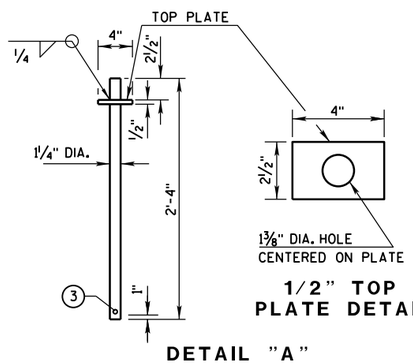


PLAN VIEW

DETAILS OF BARRIER SECTION

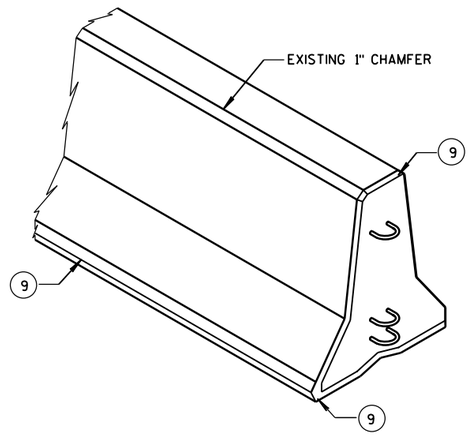


DETAILS OF BARRIER CONNECTION



1/2" TOP PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

(8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

(9) 1" CHAMFER OPTIONAL.

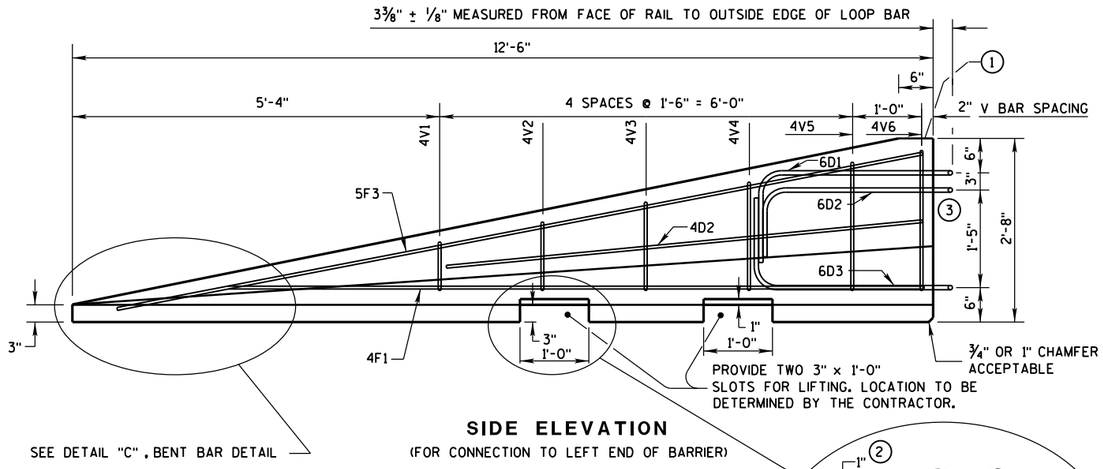
f'c = 4,000 psi

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

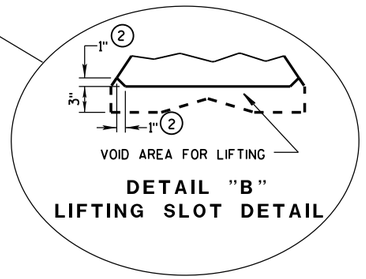
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

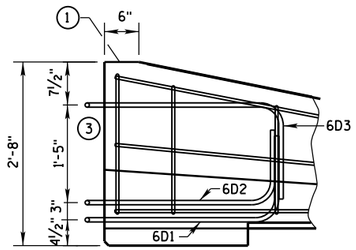
S.D.D. 14 B 7-15a



SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



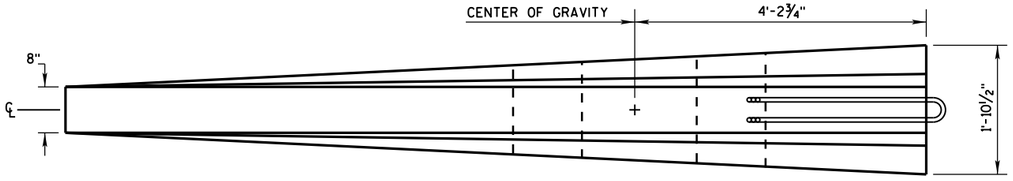
DETAIL "B"
LIFTING SLOT DETAIL



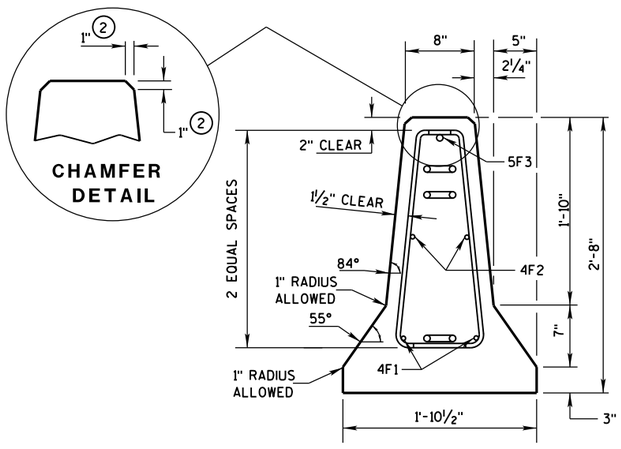
SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED
FOR OPPOSITE END.
(FOR CONNECTION TO RIGHT END OF BARRIER)

GENERAL NOTES

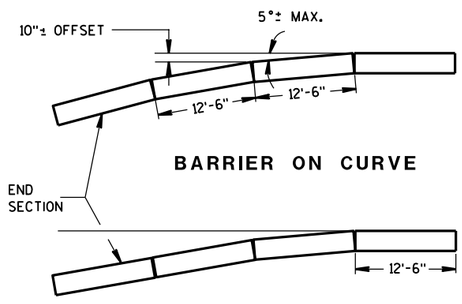
1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.



PLAN VIEW



END SECTION **FRONT ELEVATION**



BARRIER ON CURVE

FLARE AT BARRIER END

POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

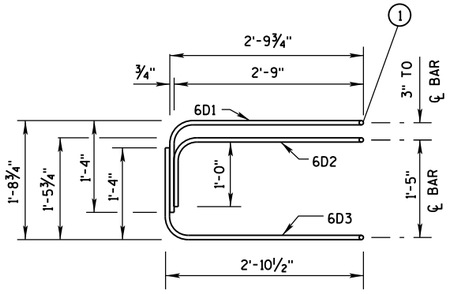
6

S.D.D. 14 B 7-15b

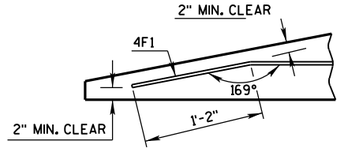
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

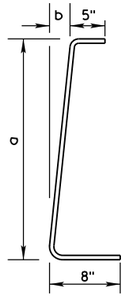
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

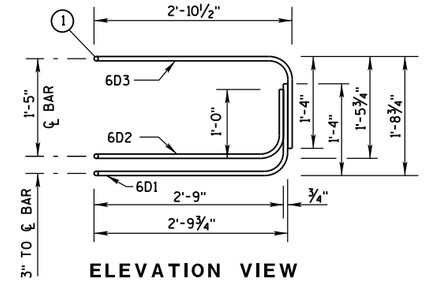
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

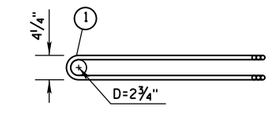
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

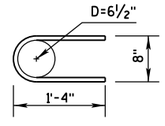
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



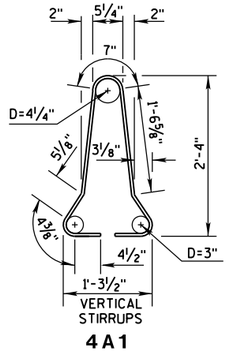
ELEVATION VIEW



PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



4A1

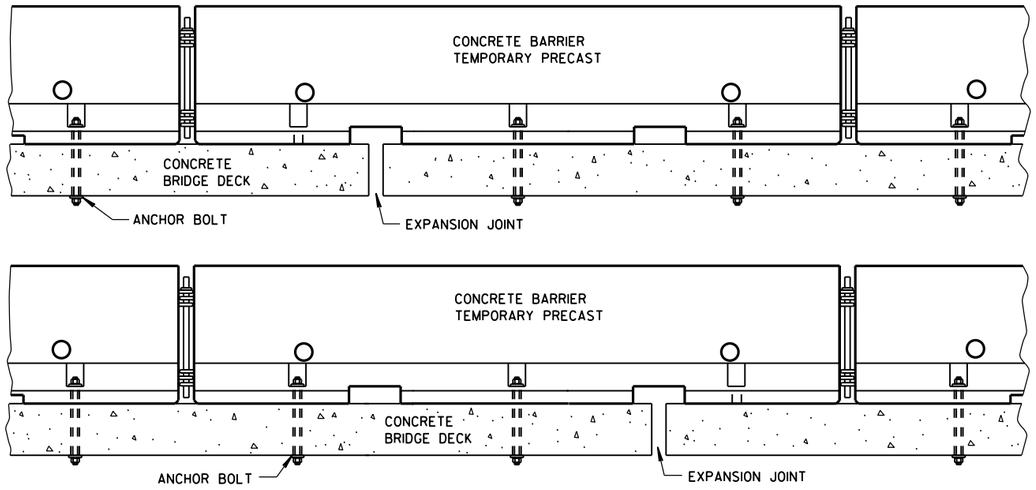
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 14 B 7-15c



TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)

GENERAL NOTES

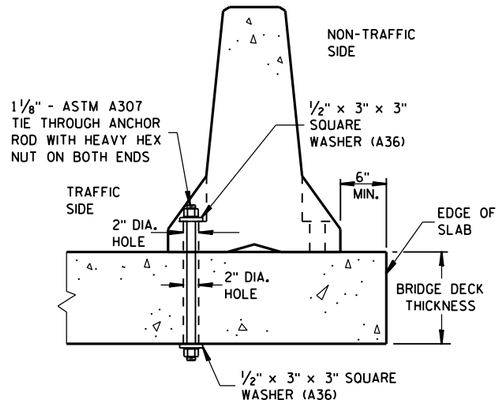
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERICAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(1) 1⅛" DIAMENTER A307 THREADED ROD. ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL. ASTM A563A HEAVY HEX NUT.

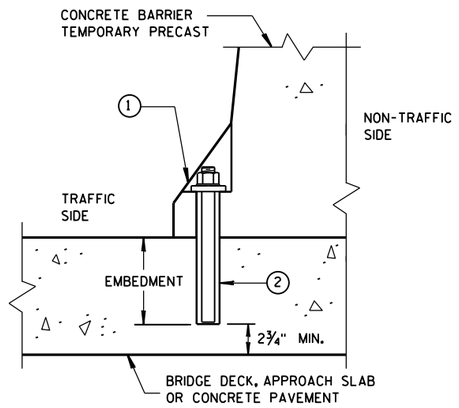
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



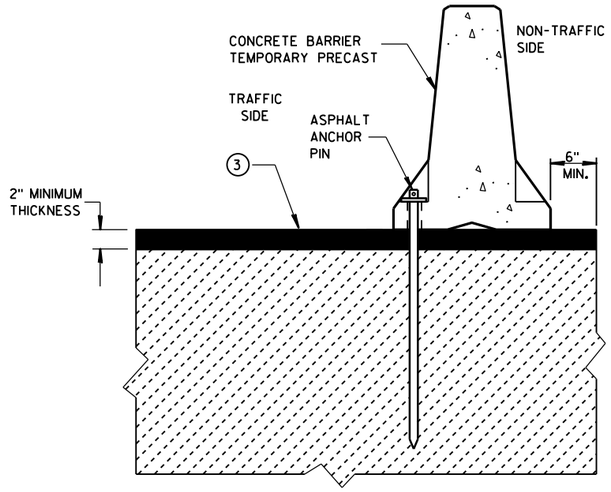
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

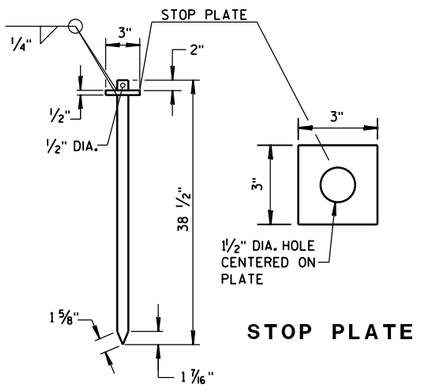


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



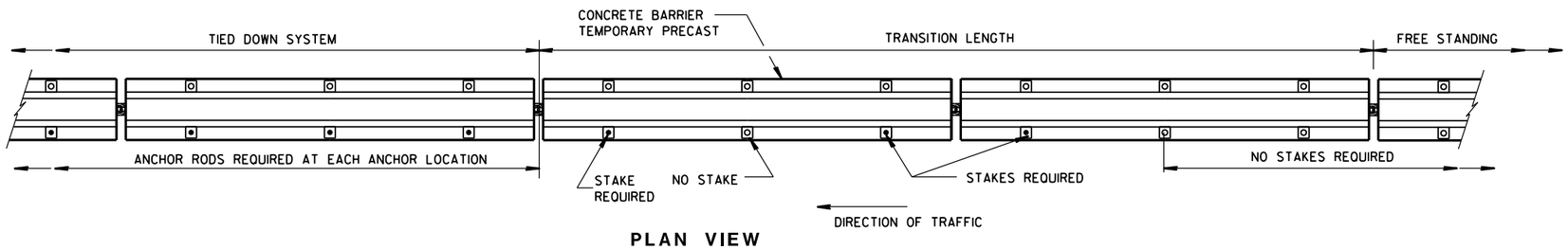
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

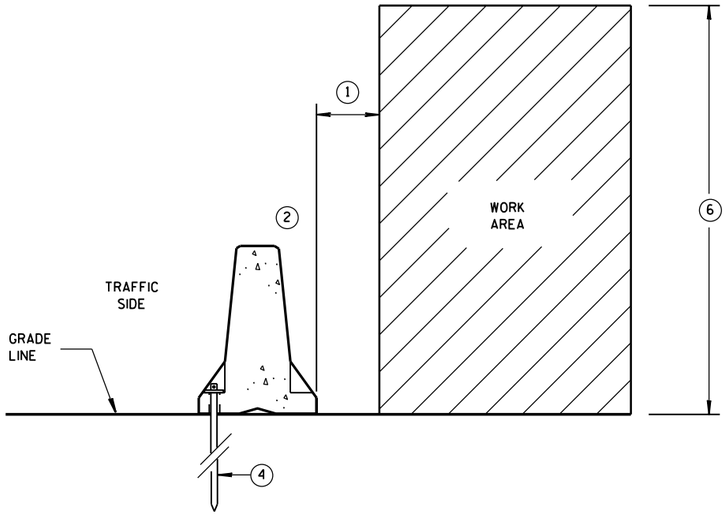
(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

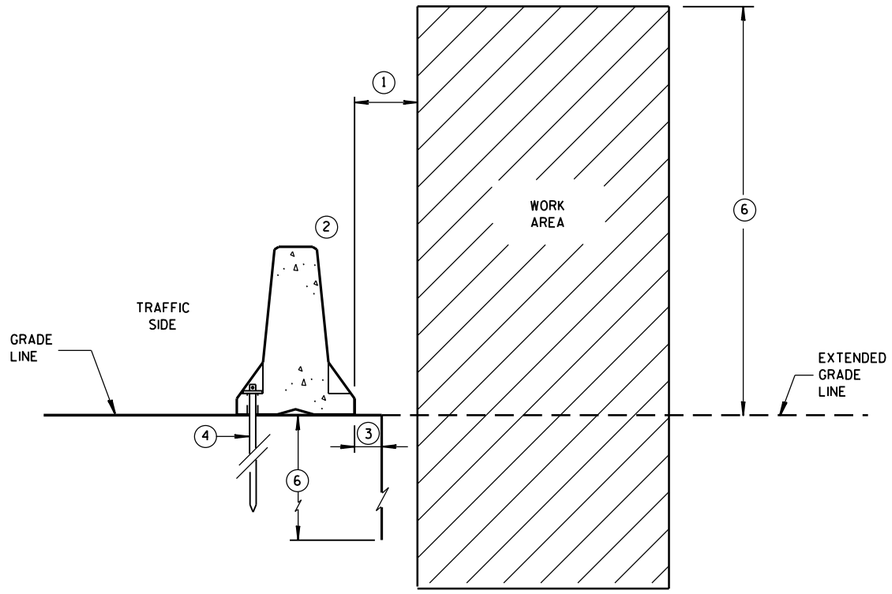
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 7-15d



ANCHORED BARRIER SPACE REQUIREMENTS FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

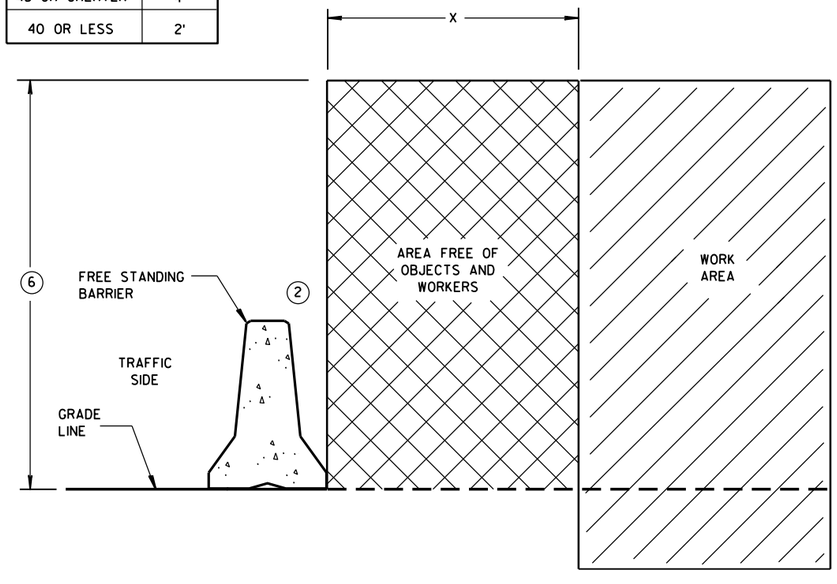


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

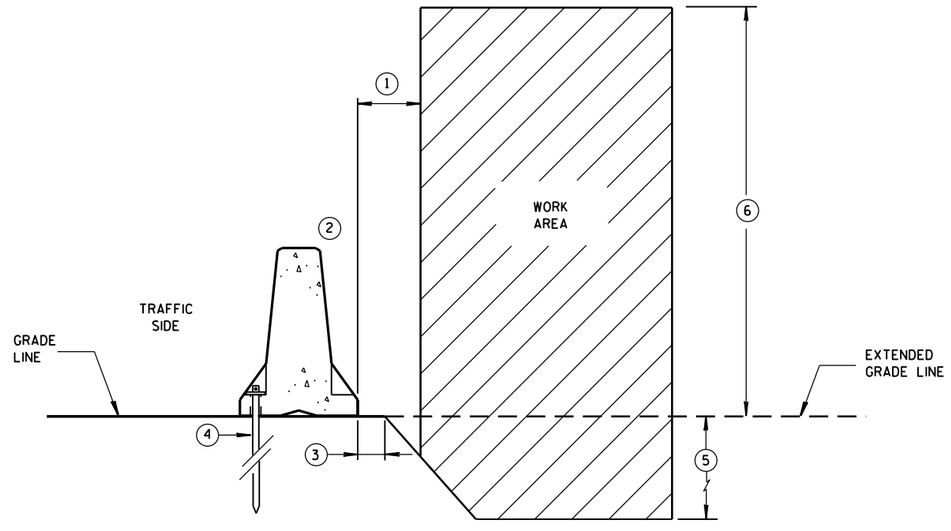
GENERAL NOTES

1. WHEN OBJECTS EXTEND ABOVE THE GRADE, A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT. SEE OTHER DETAILS FOR FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
2. OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
3. SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
4. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
5. DEPTH OF 3 FEET OR MORE.
6. Y = 6'-6".

POSTED SPEED MPH	X
45 OR GREATER	4'
40 OR LESS	2'



FREE STANDING BARRIER SPACE REQUIREMENTS



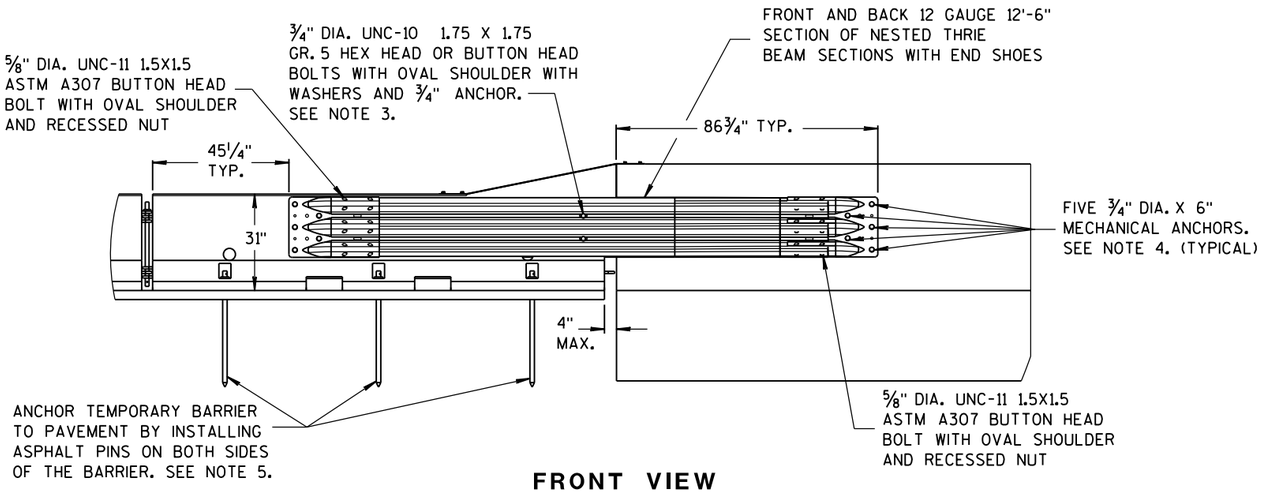
ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

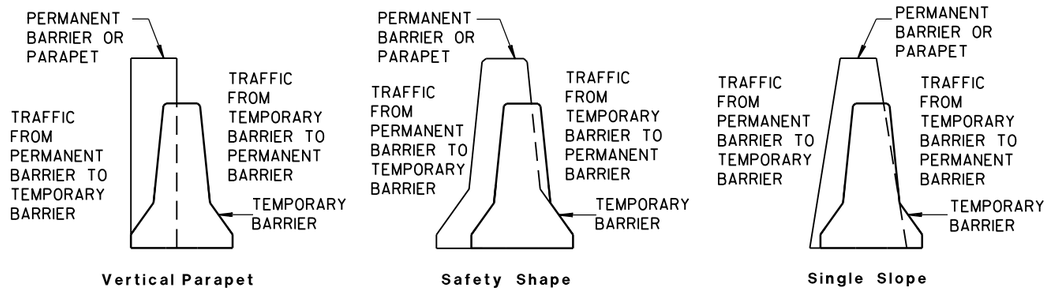
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 7-15e



FRONT VIEW

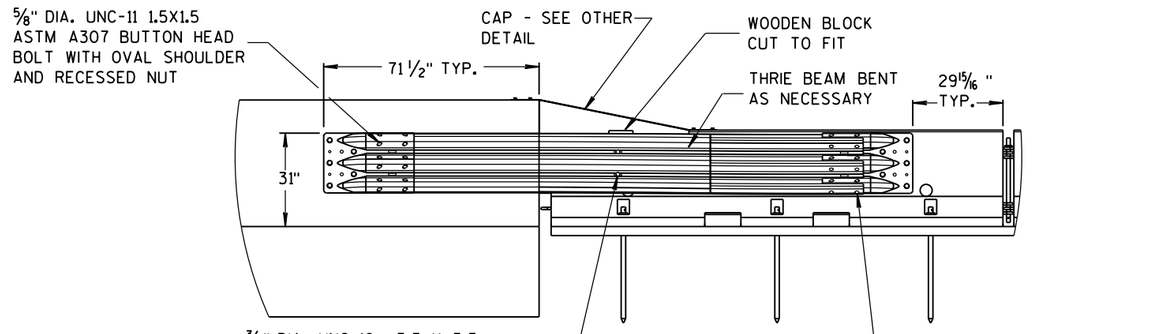


TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

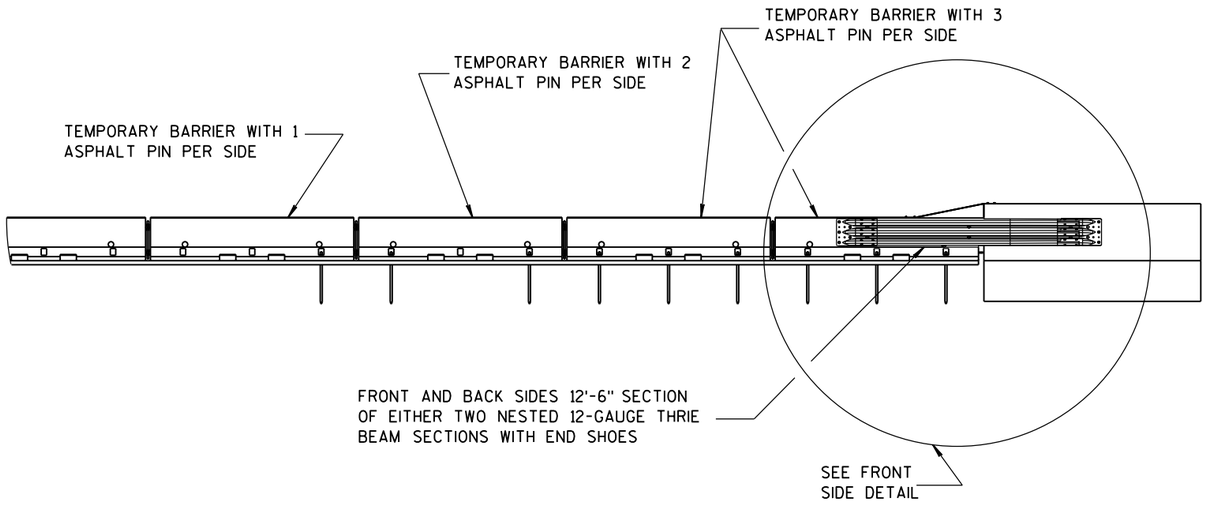
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

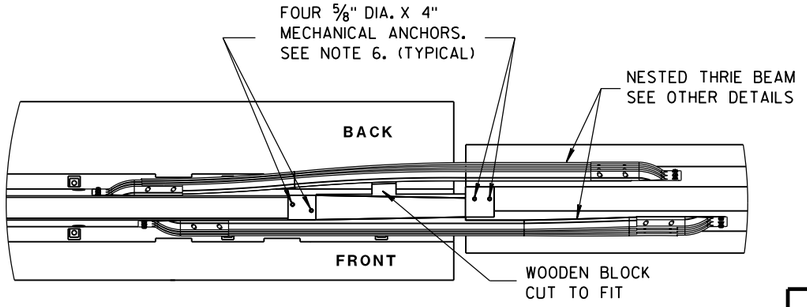
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



BACK VIEW



FRONT VIEW



PLAN VIEW

BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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S.D.D. 14 B 7-15f

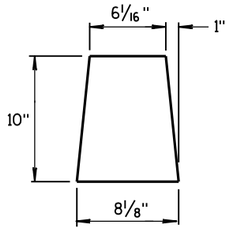
GUSSET 1

GUSSET 2

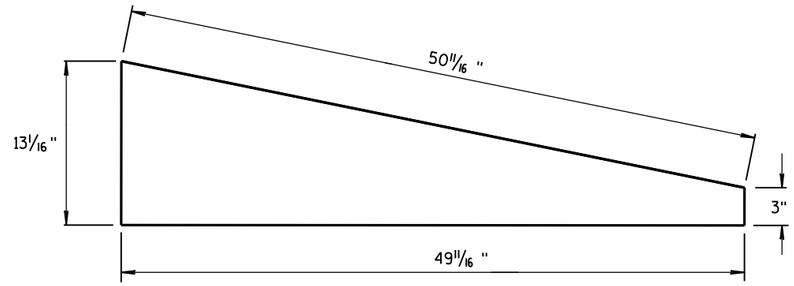
GUSSET 3

GUSSET 4

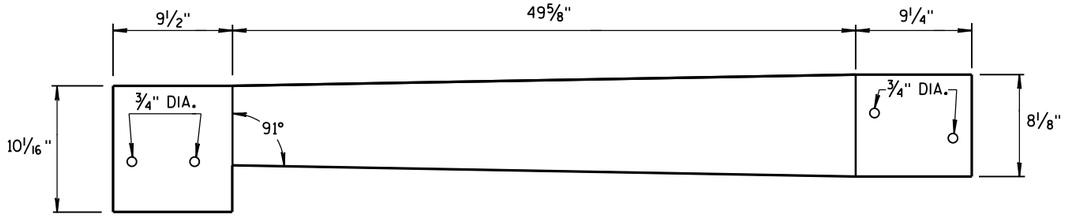
GUSSETS

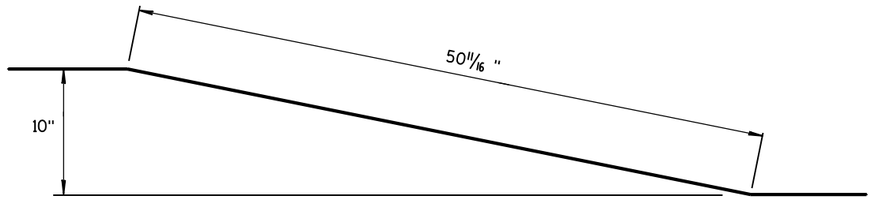


END PLATE

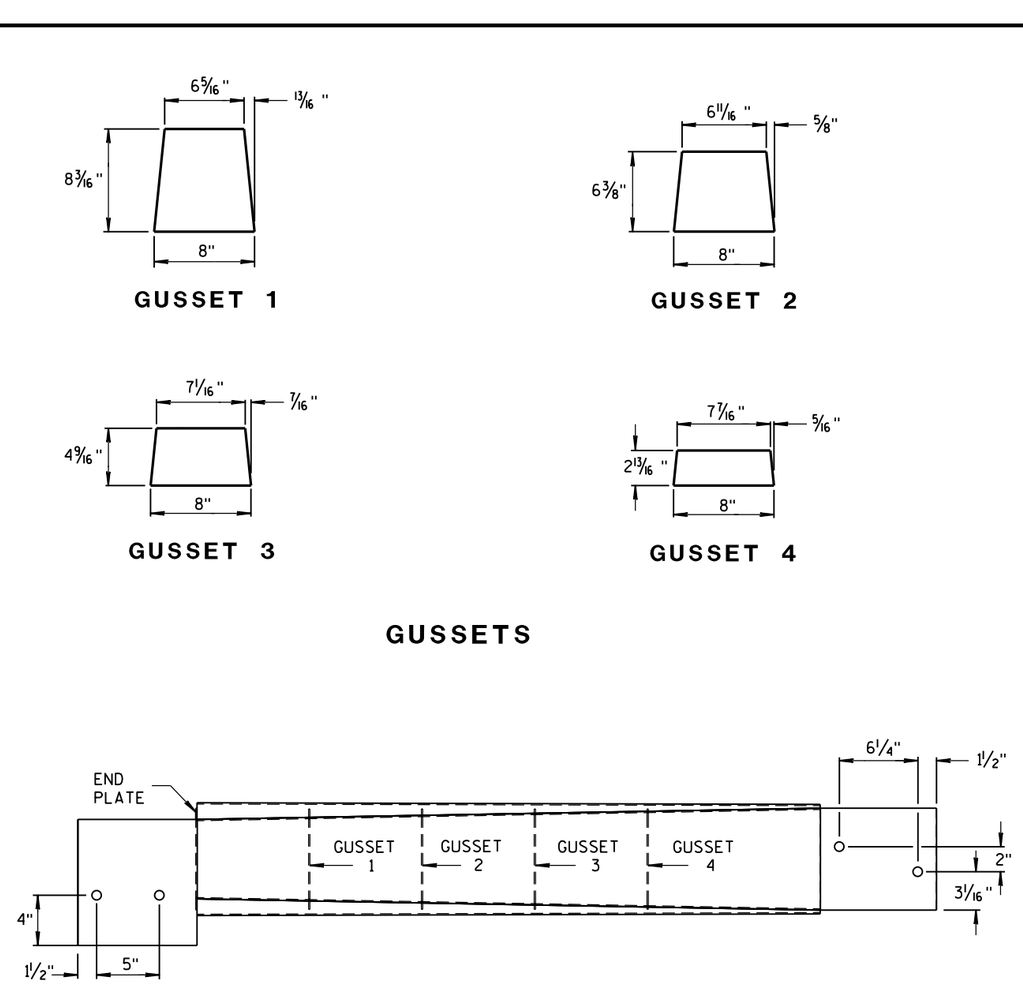


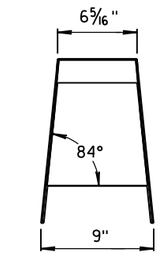
SIDE PLATE





TOP PLATE





SECTION C-C

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

NOTES

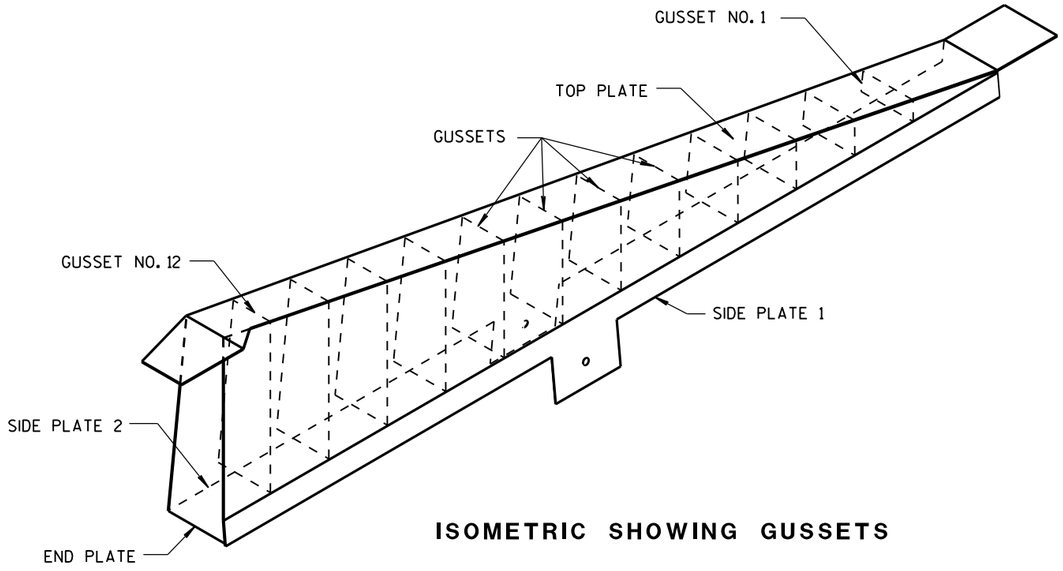
1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

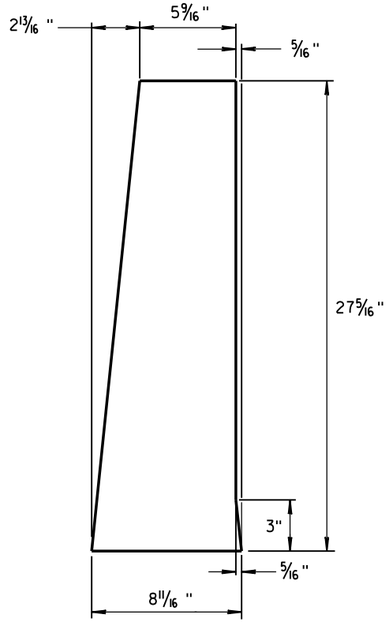
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 7-15g

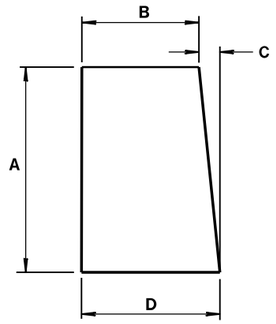


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



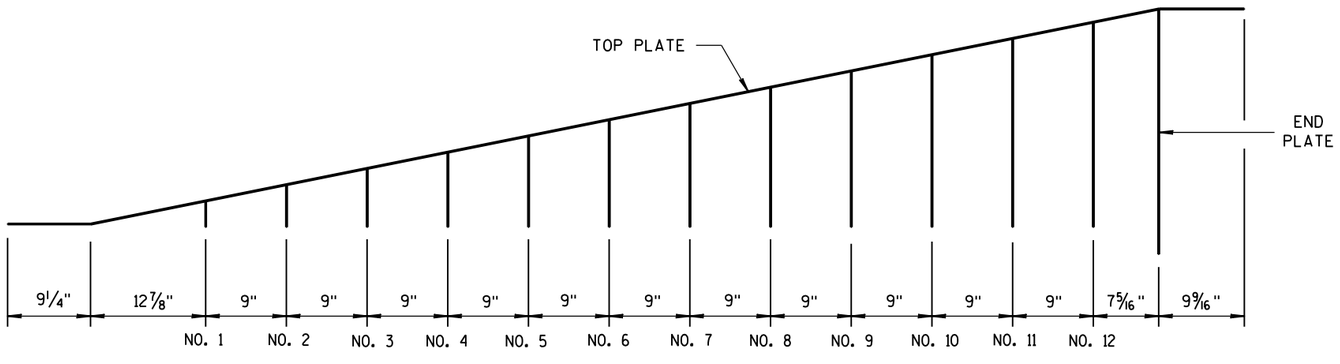
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



GUSSET LOCATION

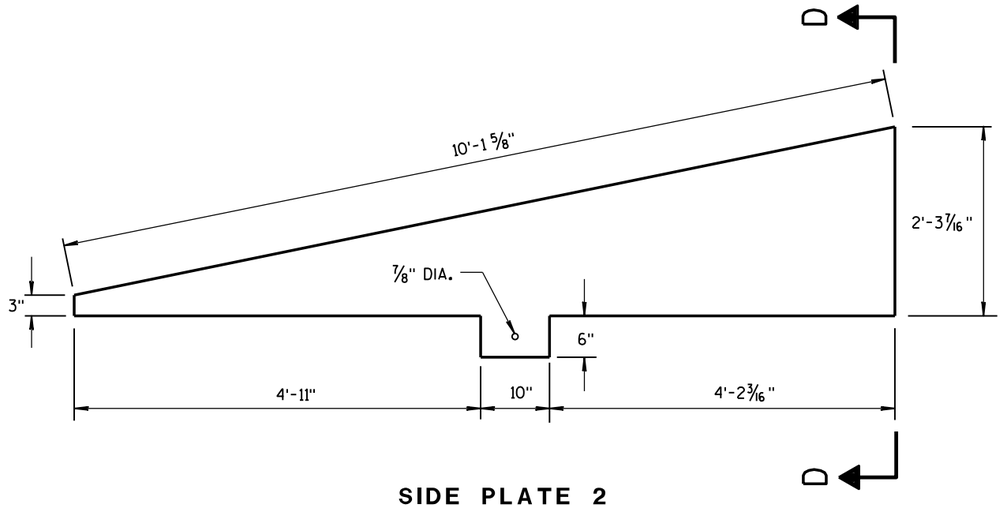
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

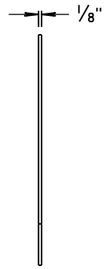
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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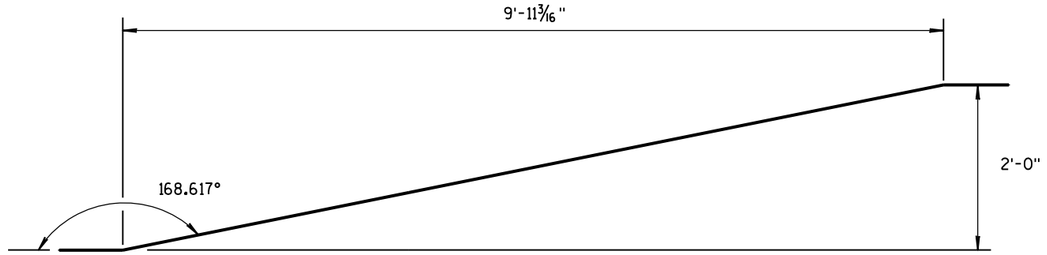
S.D.D. 14 B 7-15h



SIDE PLATE 2

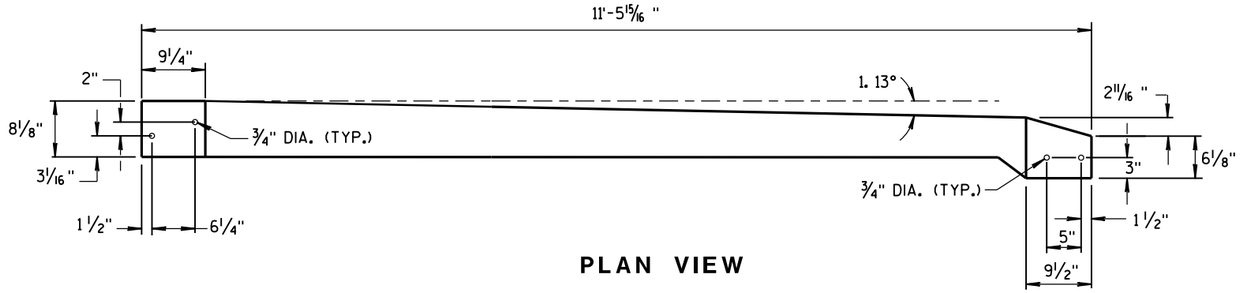


END VIEW



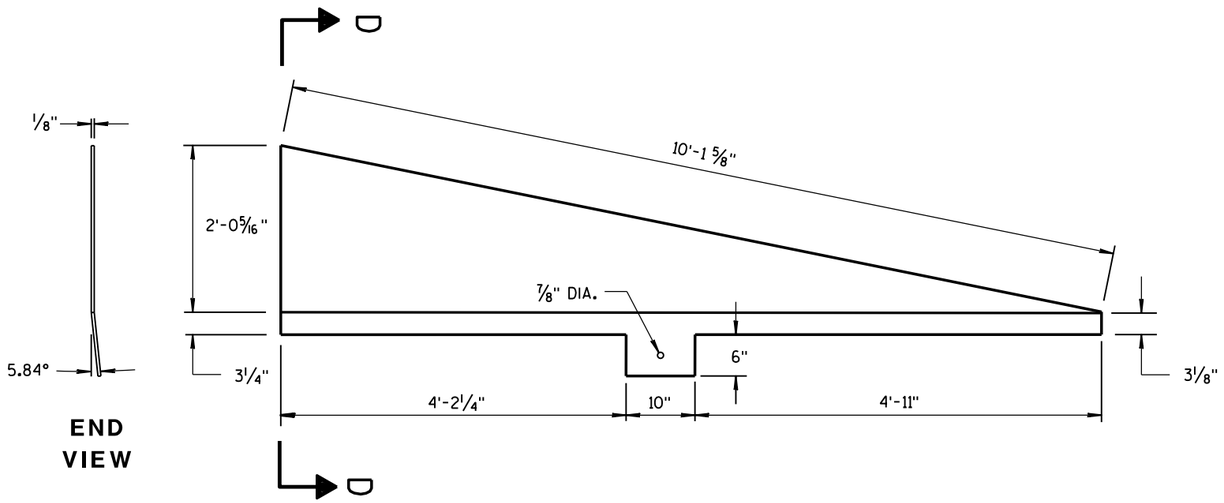
SIDE VIEW

TOP PLATE



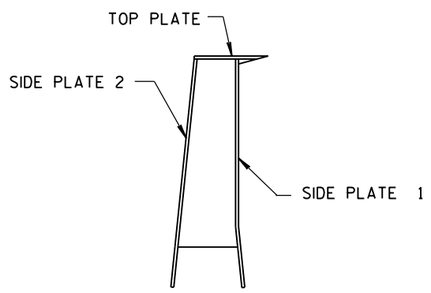
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV

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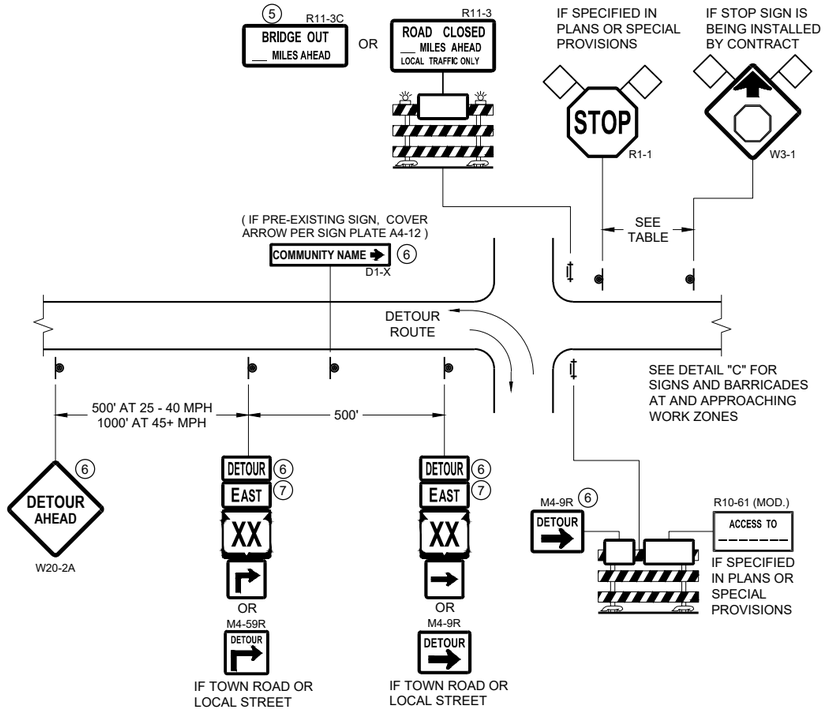
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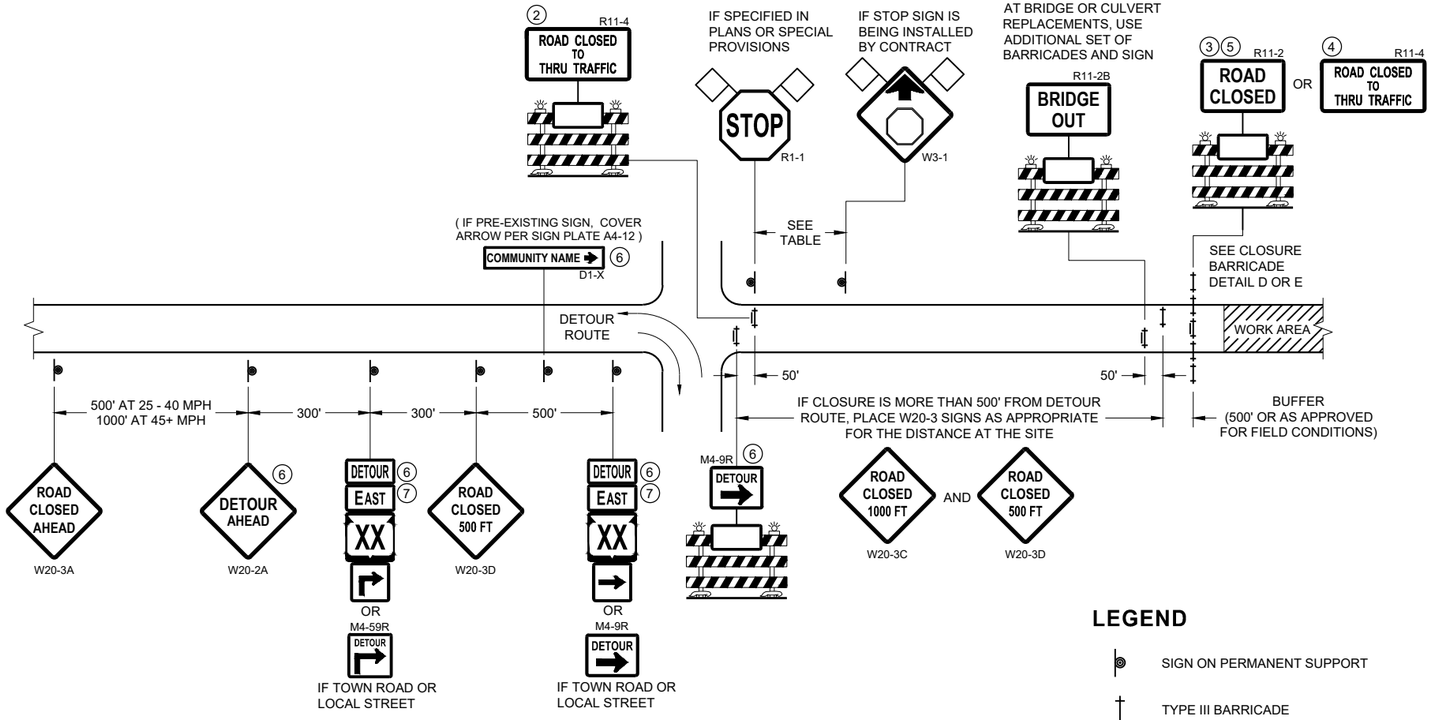
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S.D.D. 14 B 7-15i

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S.D.D. 14 B 7-15i



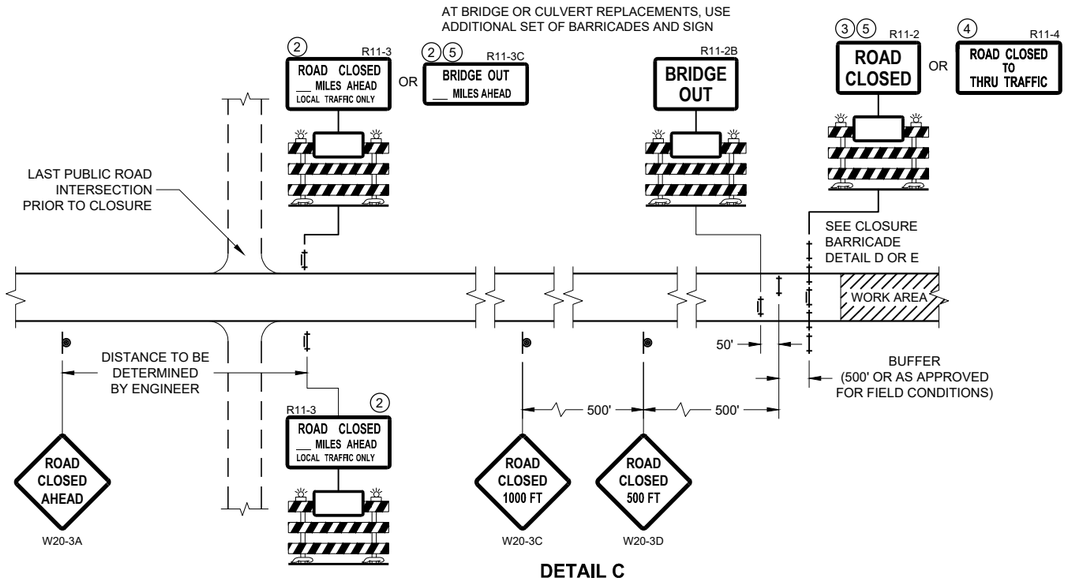


DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

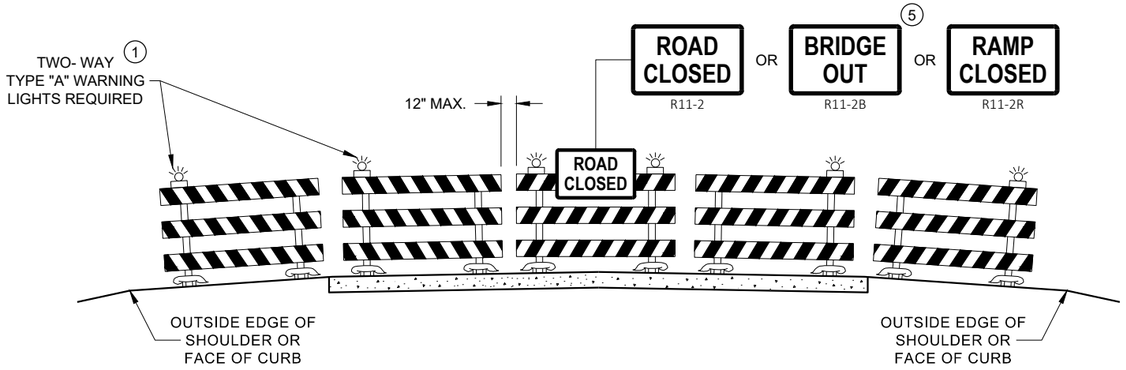
APPROVED
November 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

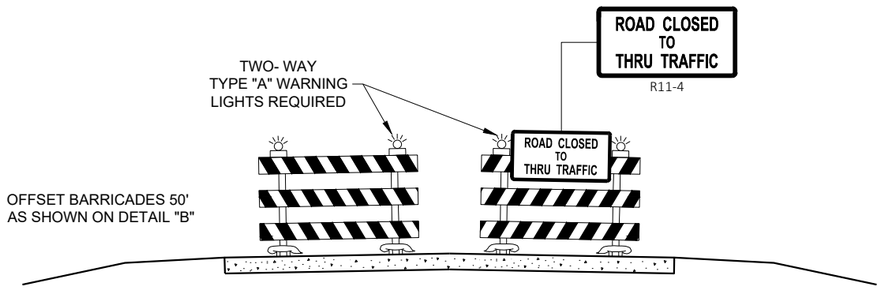
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SDD 15C02 - 07a

SDD 15C02 - 07a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER
FHWA

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SDD 15C02 - 07b

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SDD 15C02 - 07b

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

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

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

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

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

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

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

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

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

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

M3-X 24" X 12"
M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR AS SPECIFIED IN THE CONTRACT

500' AT 25-40 MPH
1000' AT 45+ MPH

500'

DETOUR EAST XX *

D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

M4-8a END DETOUR WEST XX *

DETOUR EAST XX / WEST XX

DETOUR ROUTE

WORK AREA

DETOUR EAST XX

WEST XX OR M4-9L DETOUR ** IF TOWN ROAD OR LOCAL STREET

500'

DETOUR NEXT X MILES * G20-51

DETOUR WEST XX * OR M4-59L DETOUR ** IF TOWN ROAD OR LOCAL STREET

MATCH POINT

** M4-59L DETOUR OR DETOUR EAST XX * IF TOWN ROAD OR LOCAL STREET

D1-X COMMUNITY NAME * (IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

500'

** M4-9L DETOUR OR DETOUR EAST XX IF TOWN ROAD OR LOCAL STREET

DETOUR WEST XX

DETOUR WEST XX OR M4-9R DETOUR ** IF TOWN ROAD OR LOCAL STREET

DETOUR WEST XX * OR M4-59R * DETOUR ** IF TOWN ROAD OR LOCAL STREET

500'

DETOUR ROUTE

500' AT 25 - 40 MPH
1000' AT 45+ MPH

500'

M3-X 24" X 12"
M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR AS SPECIFIED IN THE CONTRACT

DETOUR EAST XX *

D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

DETOUR EAST XX

500'

DETOUR EAST XX

D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

DETOUR EAST XX *

PLACE SIGNS BEYOND INTERSECTIONS WITH STATE OR COUNTY TRUNK HIGHWAYS OR AT 4 MILE MAXIMUM SPACING (4 BLOCKS IF URBAN AREA)

500' AT 25 - 40 MPH
1000' AT 45+ MPH

DETOUR EAST XX *

M3-X 24" X 12"
M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR AS SPECIFIED IN THE CONTRACT

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

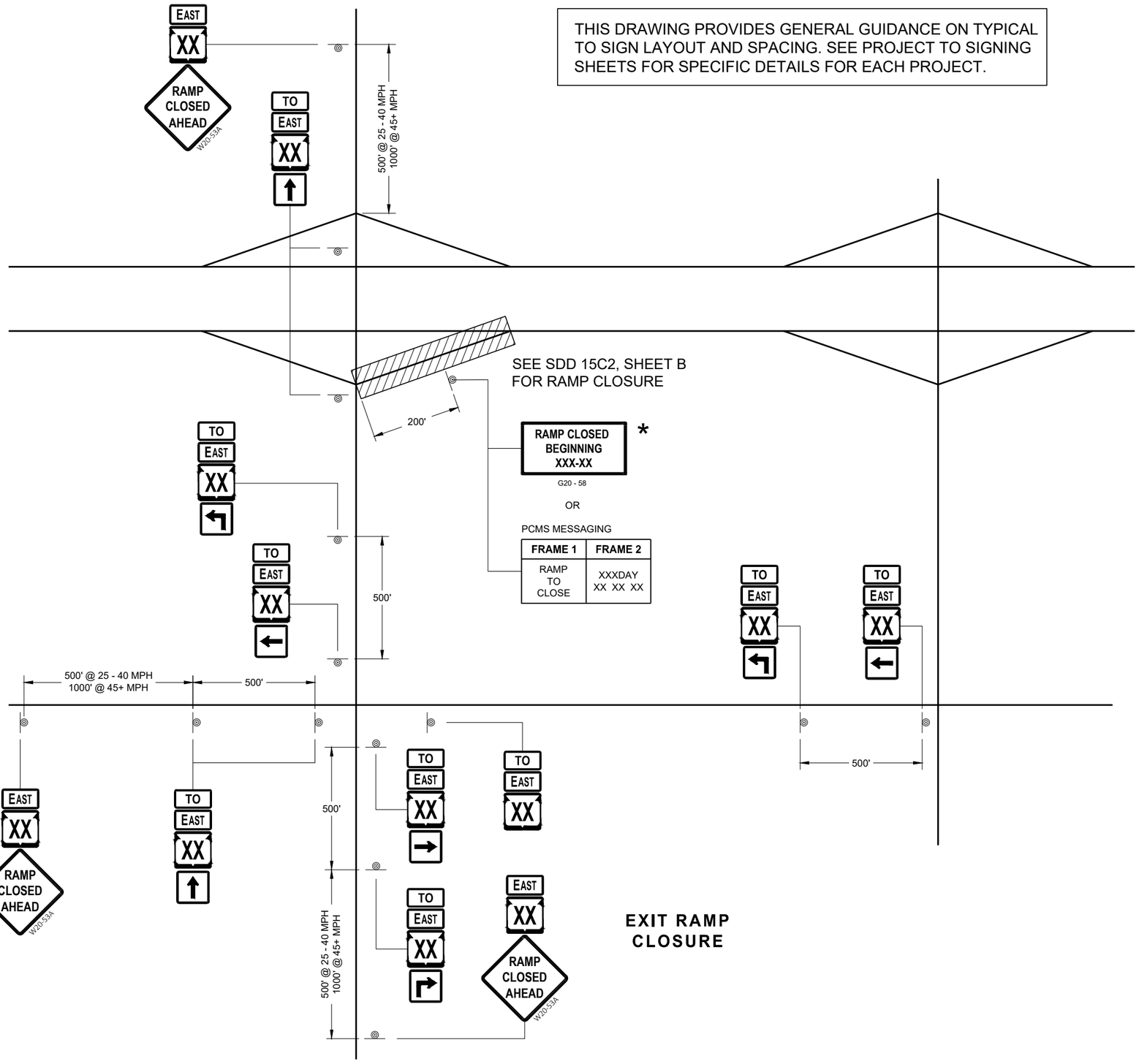
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15C02 - 07c

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SDD 15C02 - 07c



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

LEGEND

SIGN ON PERMANENT SUPPORT

TO EAST — MO4 - 5, M3 - X

XX M1 - 6 OR XX M1 - 4 OR INTERSTATE XX M1 - 1

M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

FOR LAYOU

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

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

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

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

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

SIGN SIZES SHALL BE AS FOLLOW:
- M3 - X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- M1 - 1, M1 - 4, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
- MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).
- W20 - 53A SHALL BE 48" X 48"

* PLACE "RAMP CLOSED BEGINNING" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES

ON RAMP LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

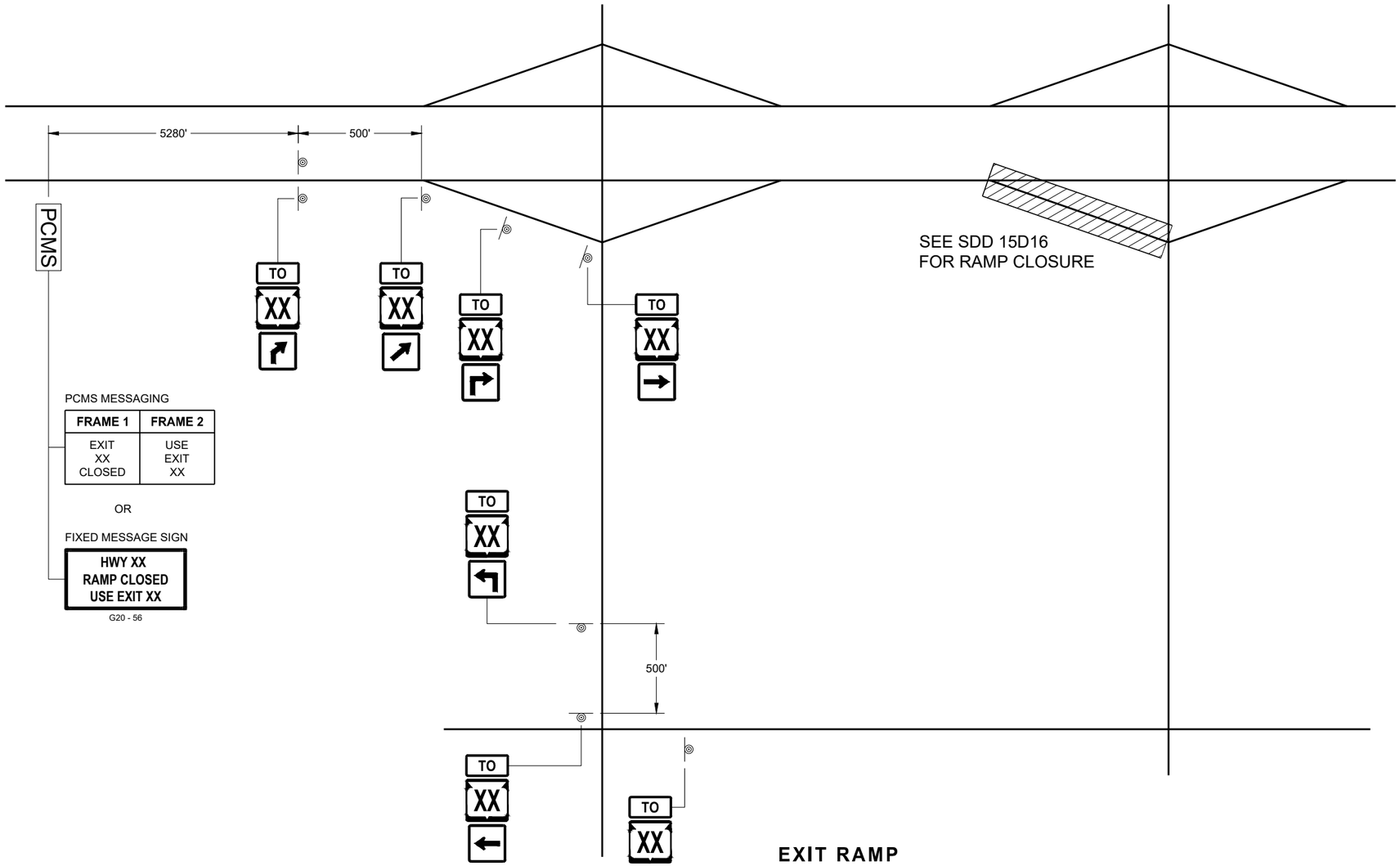
APPROVED
November 2018 DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C02 - 07d

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



PCMS MESSAGING

FRAME 1	FRAME 2
EXIT XX CLOSED	USE EXIT XX

OR

FIXED MESSAGE SIGN

HWY XX
RAMP CLOSED
USE EXIT XX

G20 - 56

EXIT RAMP CLOSURE

LEGEND

SIGN ON PERMANENT SUPPORT

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TO MO4 - 5

XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A

M05 - 1 OR M05 - 2 OR M06 - 1 OR M06 - 2

GENERAL NOTES

SEE SDD 15D16 "TRAFFIC CONTROL, EXIT RAMP CLOSURE" DETAIL FOR TRAFFIC CONTROL AT EXIT RAMP CLOSURE.

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

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

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

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

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

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

SIGN SIZES SHALL BE AS FOLLOW:

MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
M1 - 4, M1 - 5A, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).

OFF RAMP LANE CLOSURE

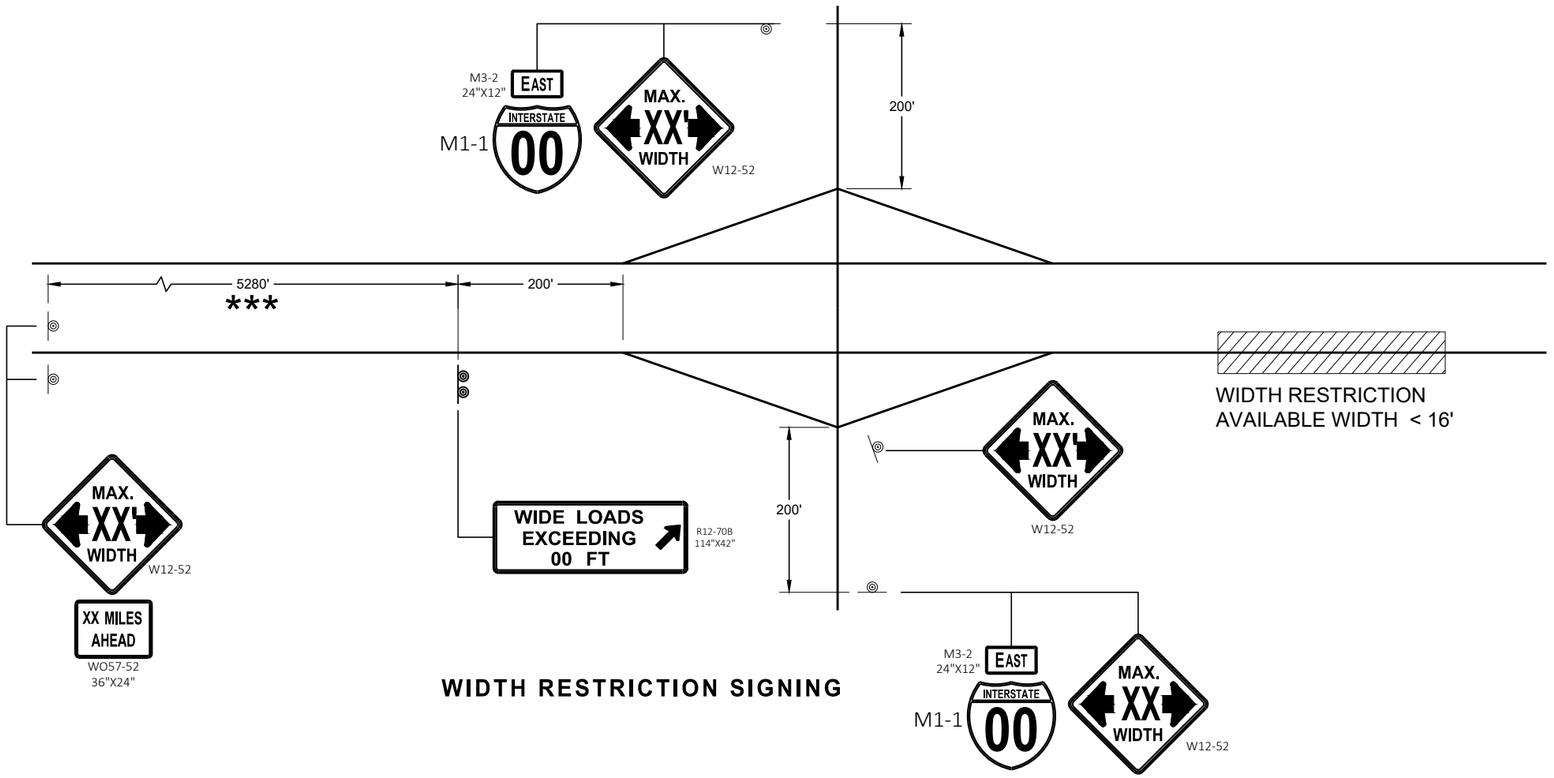
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018 DATE
/S/ Andrew Heidtke WORK ZONE ENGINEER

FHWA

SDD 15C02 - 07e

SDD 15C02 - 07e



WIDTH RESTRICTION SIGNING

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS 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 DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

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

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

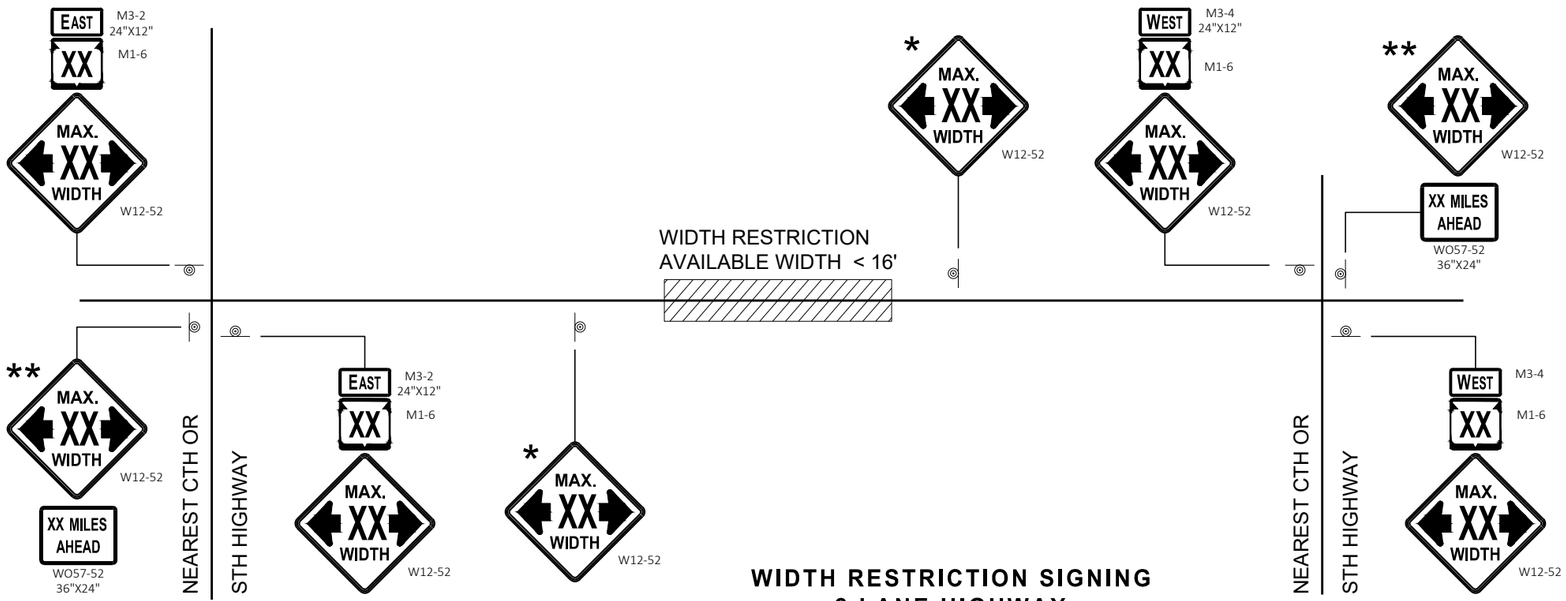
* PLACE 500 FEET BEFORE THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.



WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C02 - 07f

GENERAL NOTES

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

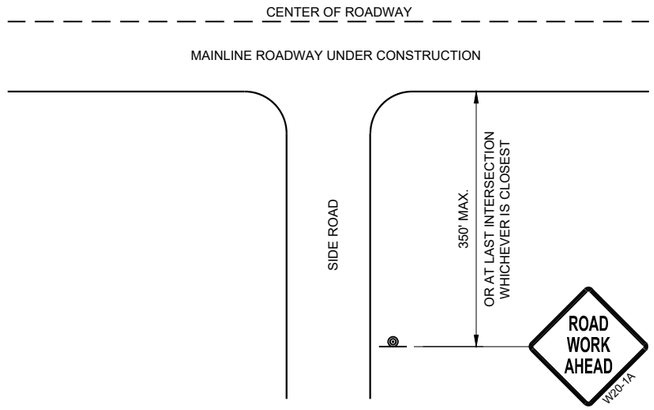
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



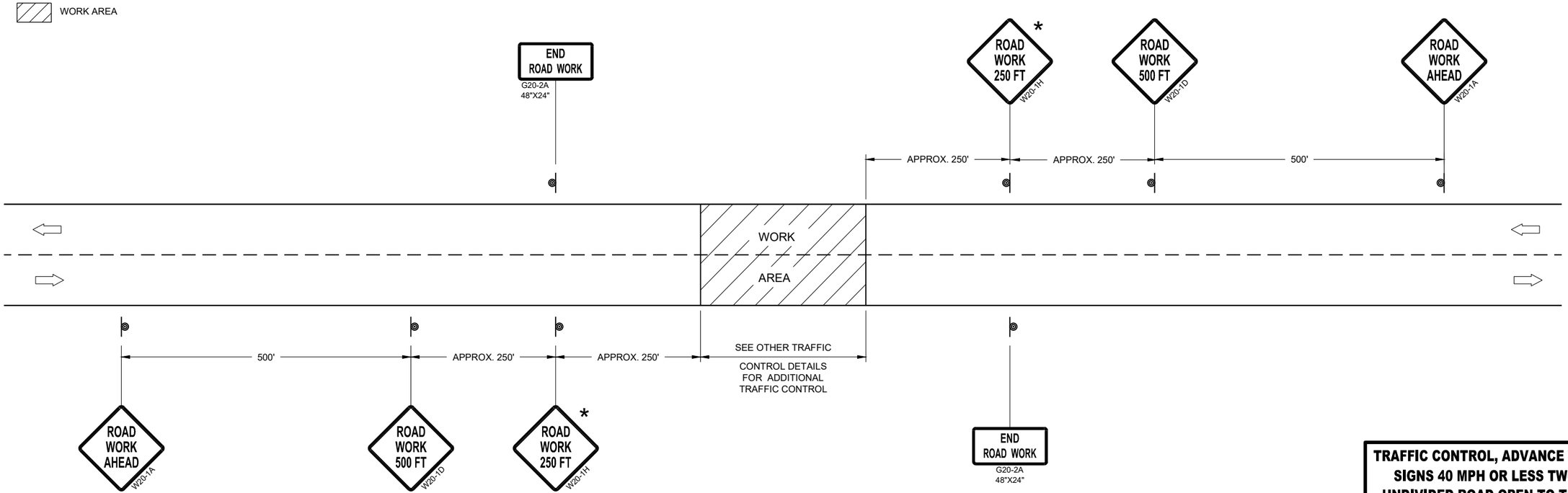
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

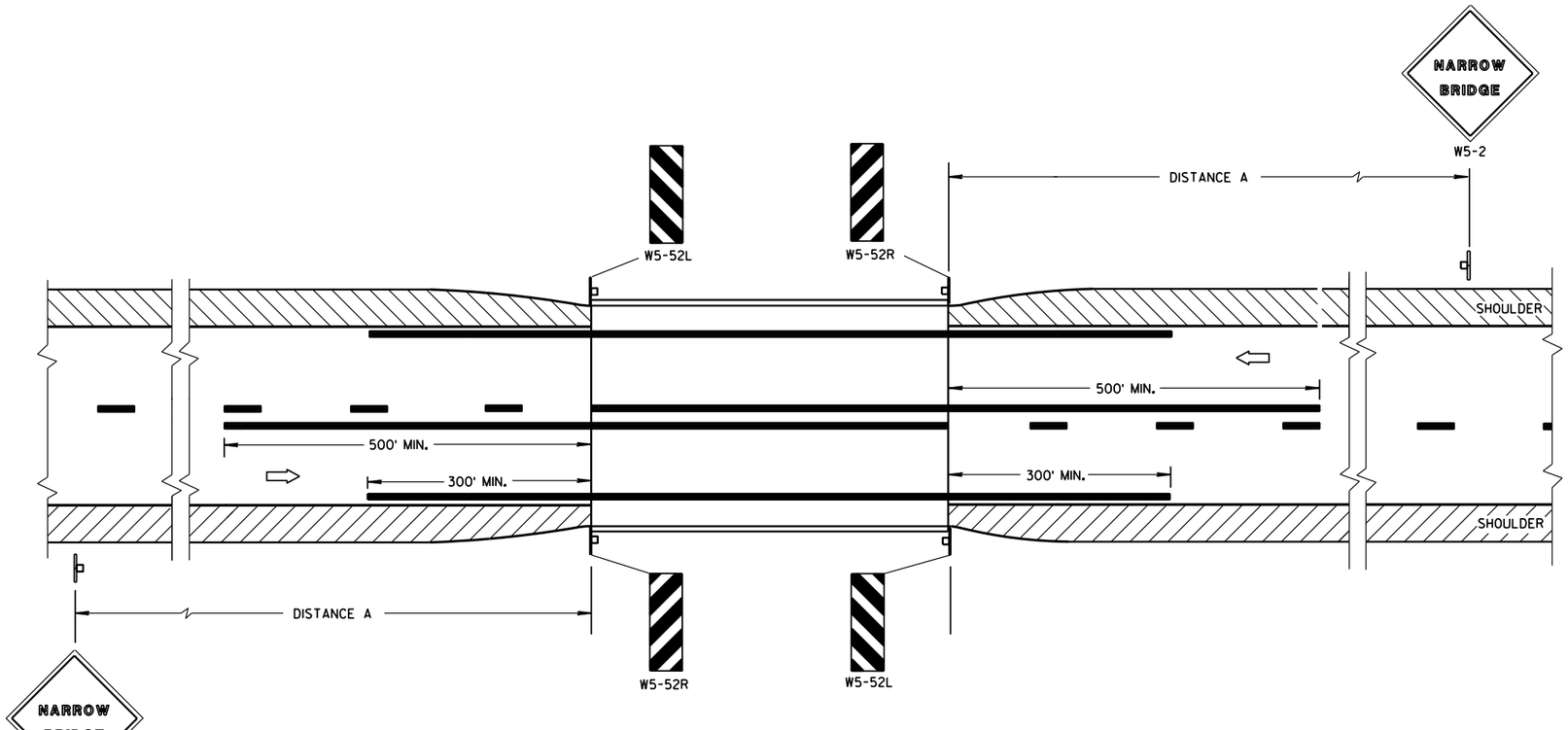
APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C05 - 05



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'

GENERAL NOTES

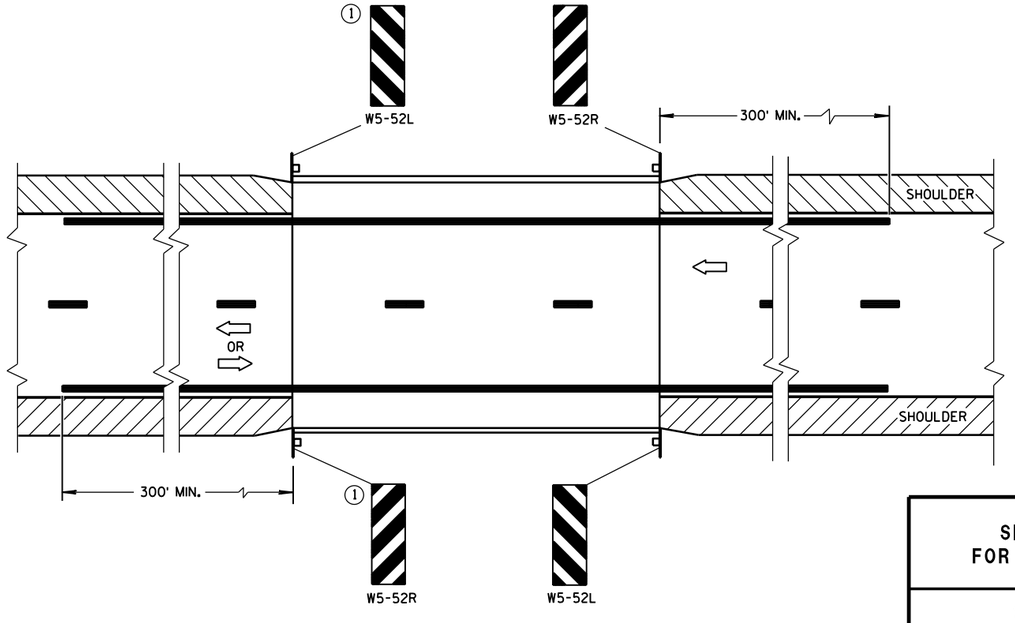
DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LOCATE W5-52 SIGN POST(S) BEHIND GUARDRAIL WHEN PRESENT.

PLACE THE EDGE OF THE W5-52 SIGN IN LINE WITH FACE OF CURB OR PARAPET.

(1) OMIT ON ONE-WAY TRAVELLED WAYS.

⇨ DIRECTION OF TRAFFIC



SITUATION 2

WARRANTING CRITERIA:

1. BRIDGE WIDTH IS AT LEAST 24 FEET AND
2. BRIDGE SHOULDER WIDTH IS LESS THAN 6 FEET.

SIGNING & MARKING FOR TWO LANE BRIDGES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

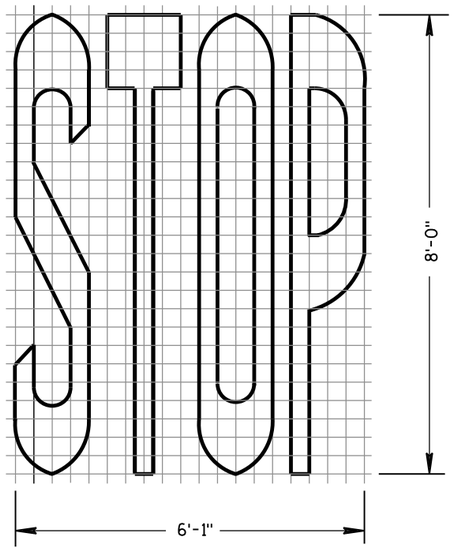
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

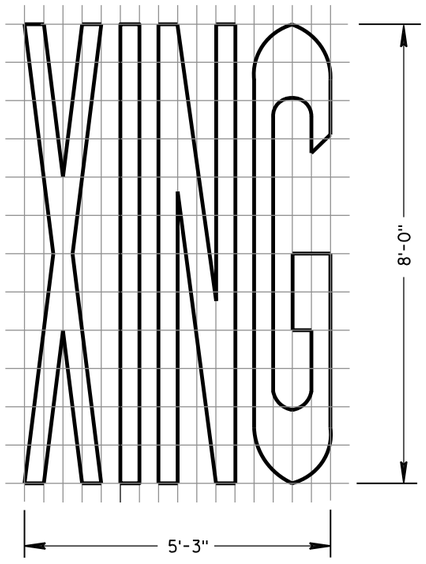
6

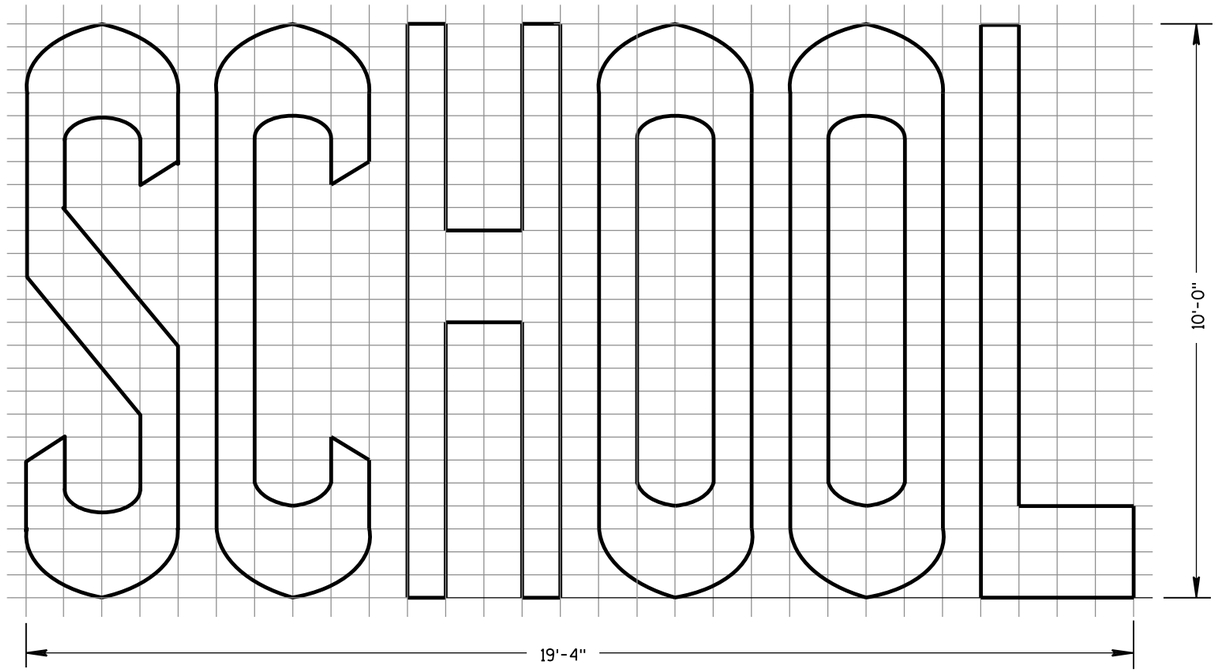
S.D.D. 15 C 6-9

GENERAL NOTES

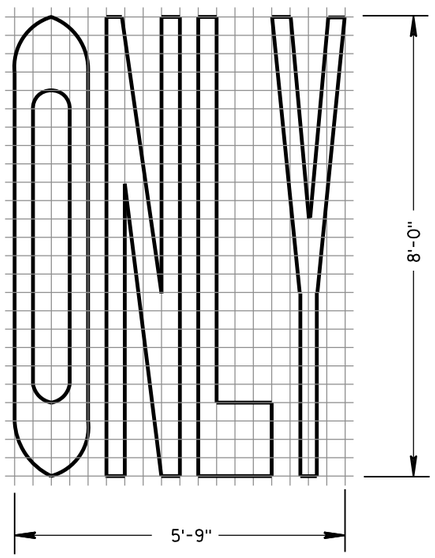
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

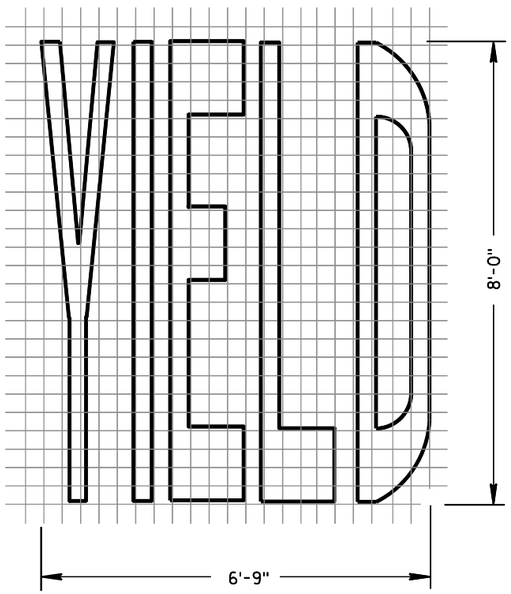


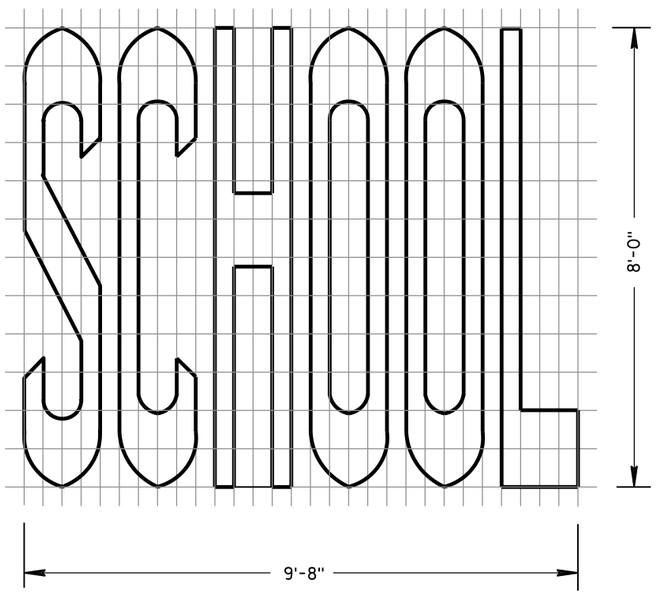




TWO-LANE







SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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FHWA

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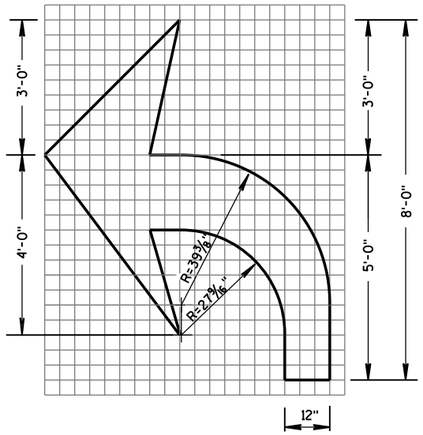
S.D.D. 15 C 7-14b

6

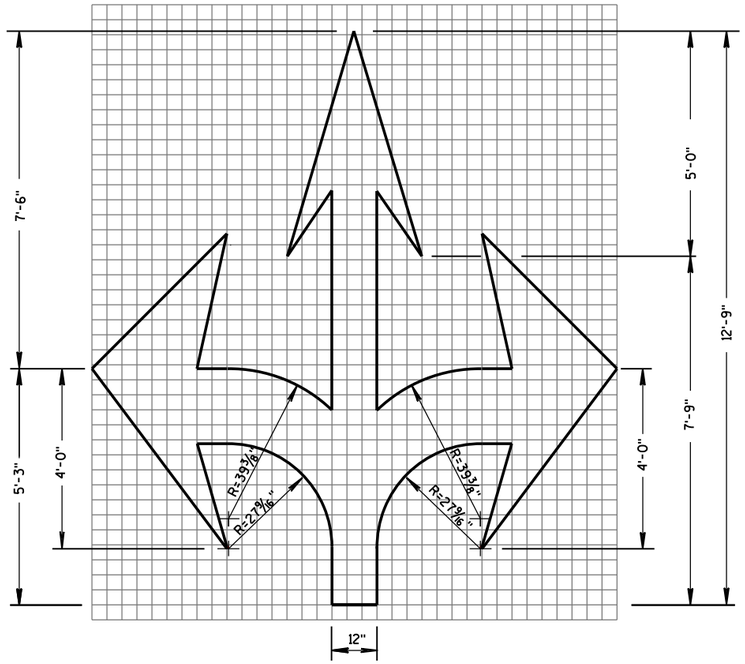
S.D.D. 15 C 7-14b

GENERAL NOTES

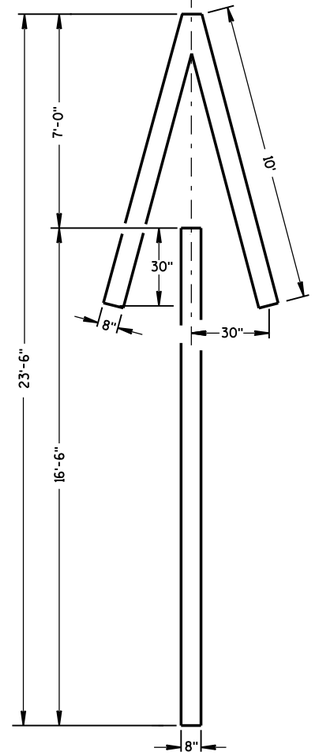
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



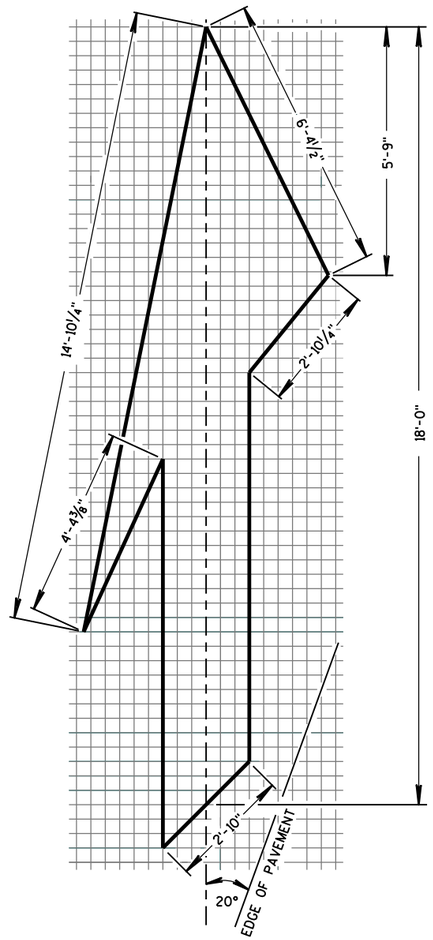
TYPE 2



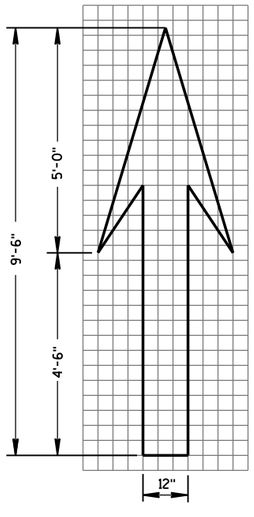
TYPE 6



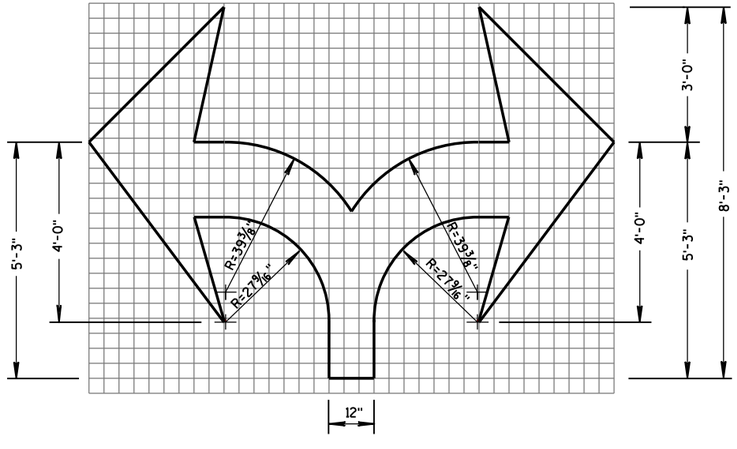
TYPE 4



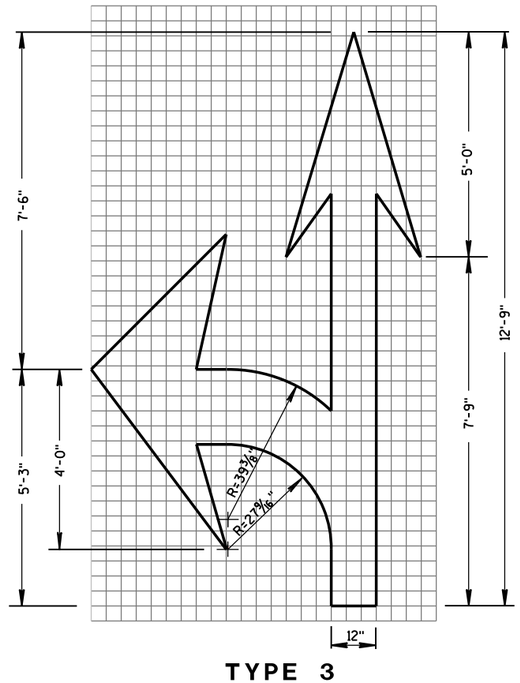
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MAR[illegible]NEER
FHWA

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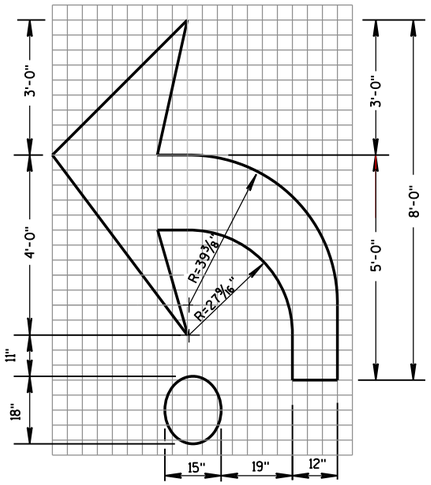
S.D.D. 15 C 7-14c

6

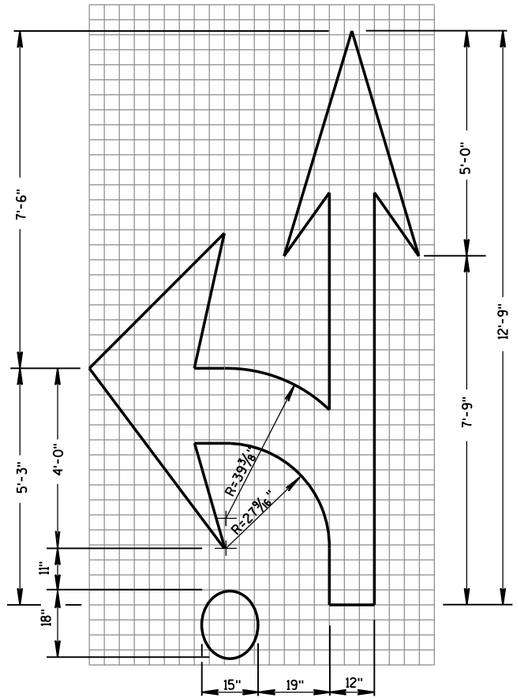
S.D.D. 15 C 7-14c

GENERAL NOTES

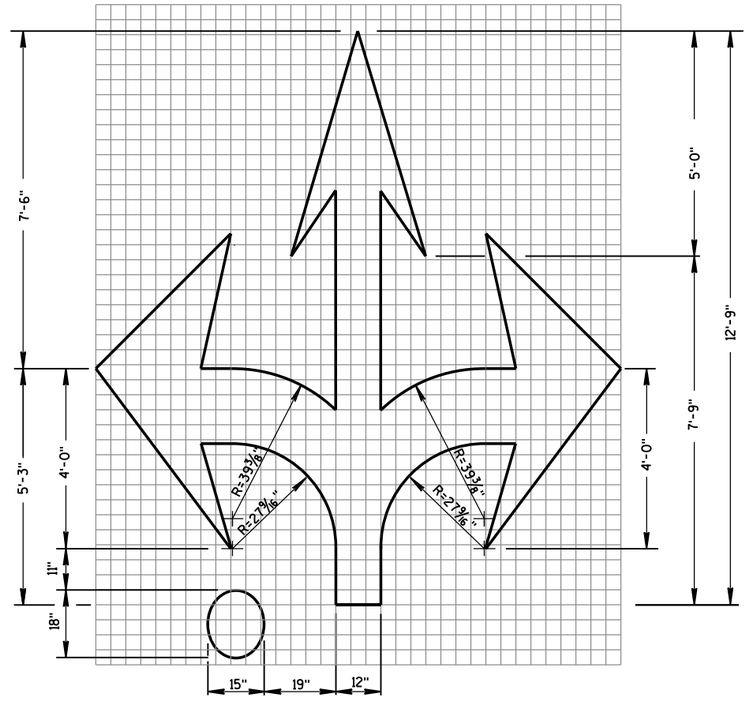
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



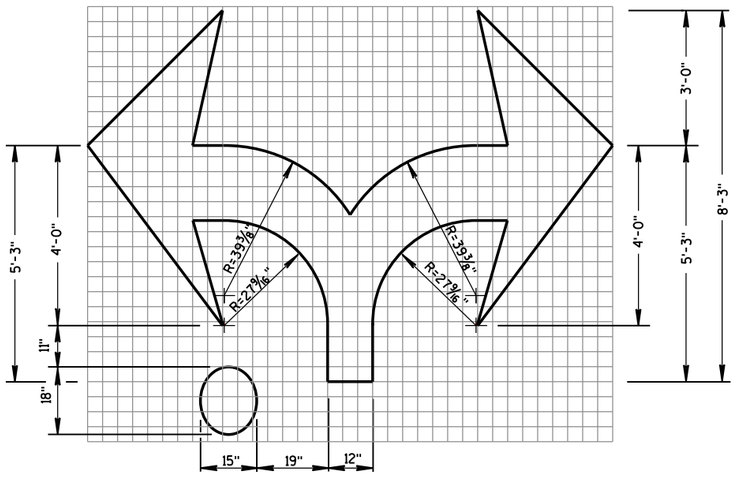
TYPE 2R



TYPE 3R



TYPE 6R



TYPE 7R

6

S.D.D. 15 C 7-14d

ROUNDABOUT ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

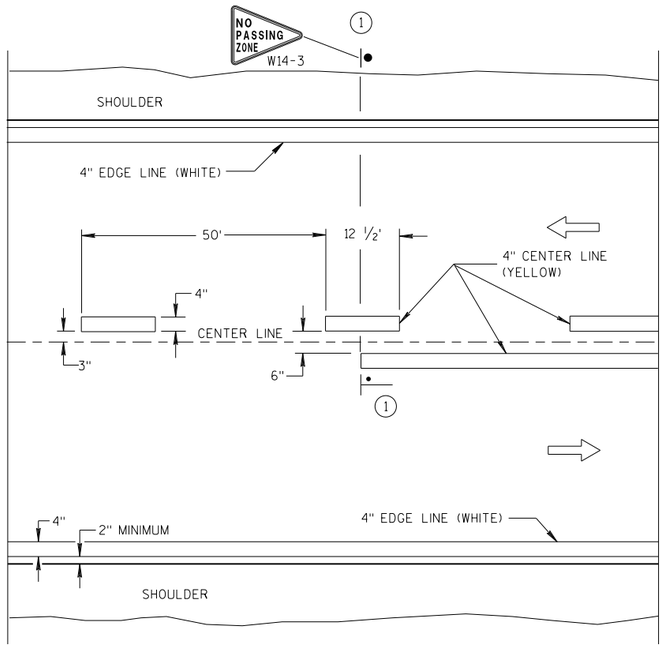
APPROVED
June 2017
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible]NEER

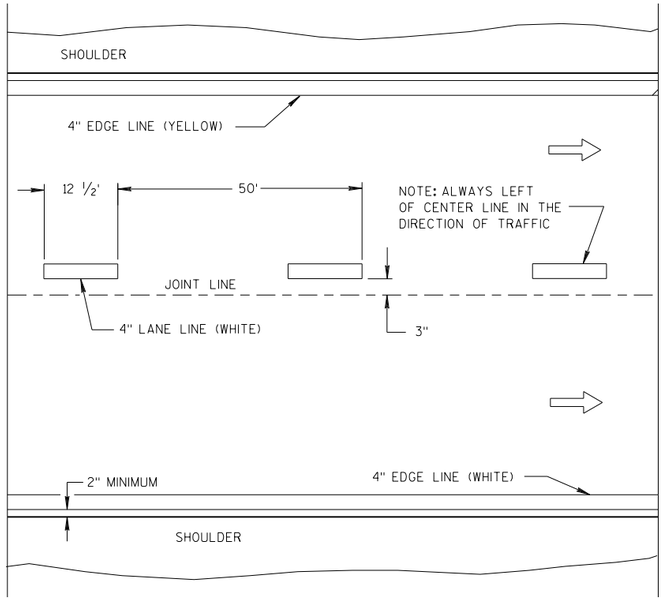
FHWA

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S.D.D. 15 C 7-14d



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

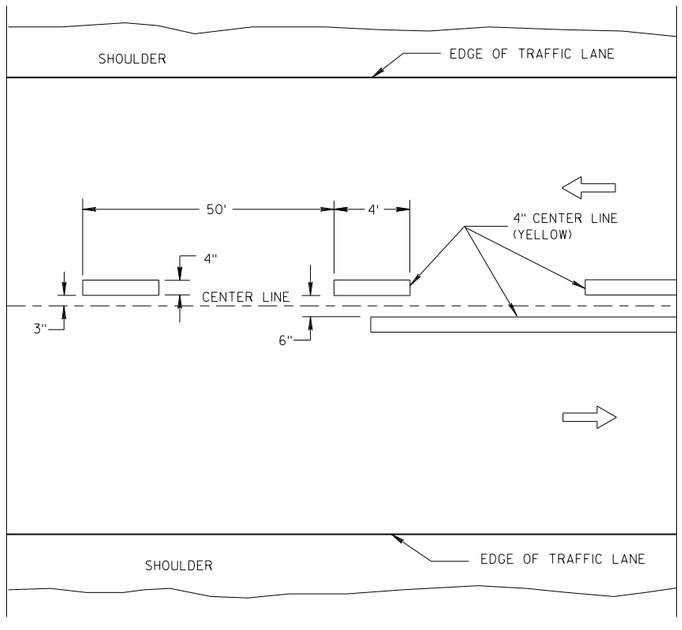
GENERAL NOTES

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

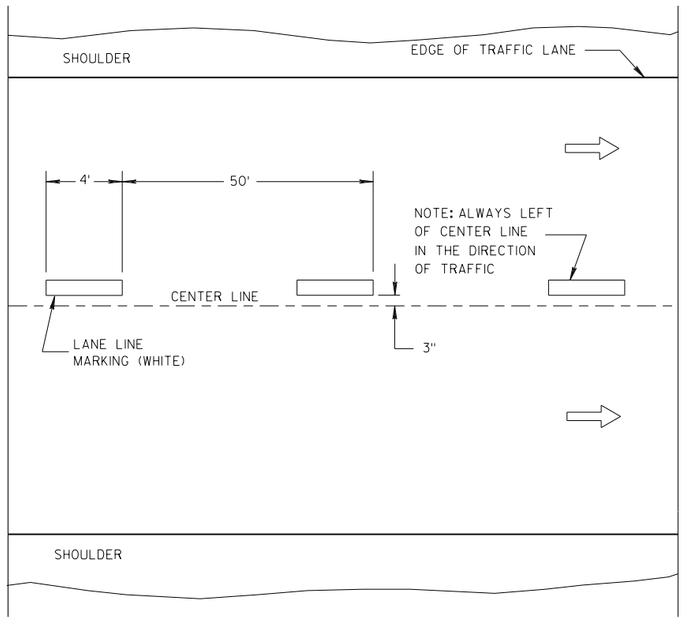
(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LEGEND

"T" MARKING

POST MOUNTED SIGN

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER

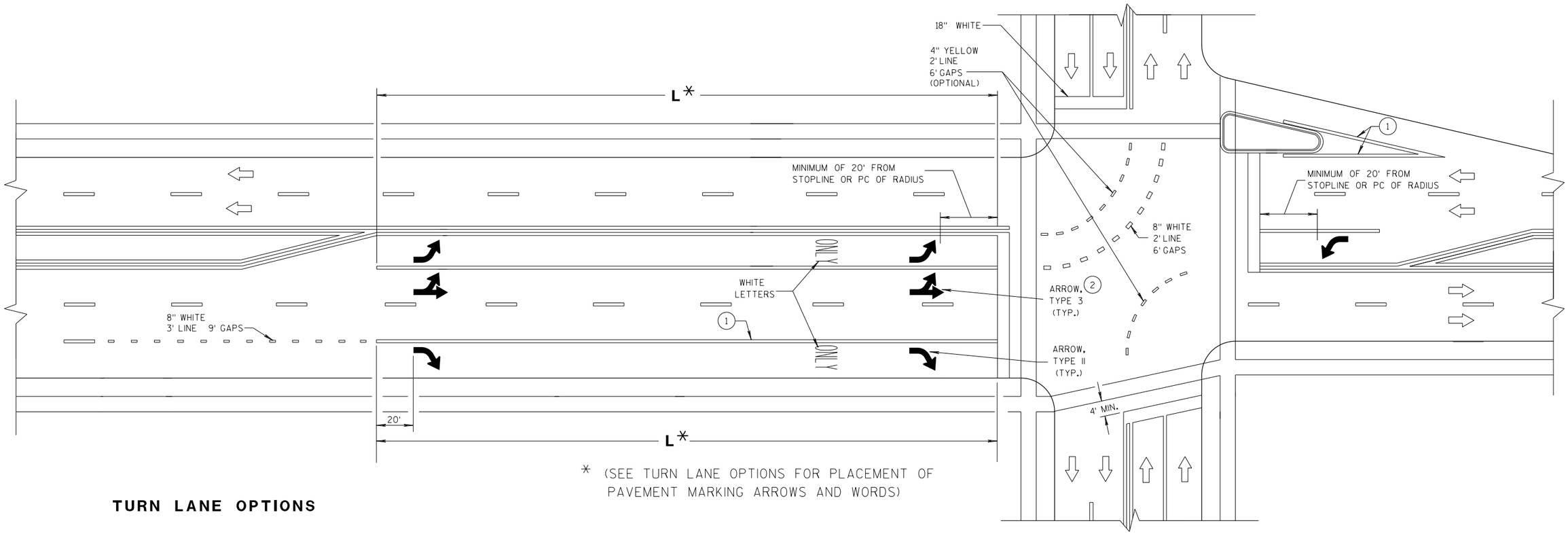
FHWA

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S.D.D. 15 C 8-19a

6

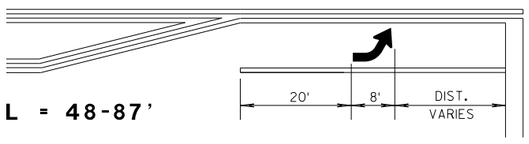
S.D.D. 15 C 8-19a



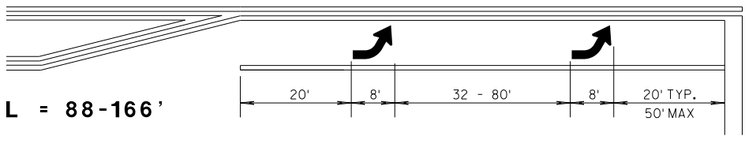
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

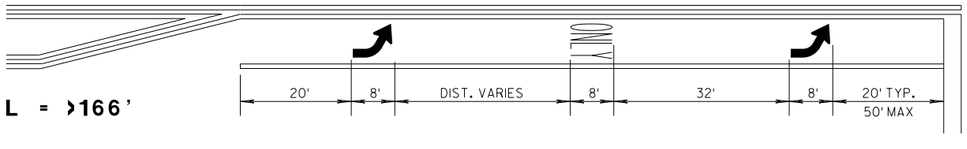
LENGTH OF TURN BAY (**L**) OF 0-47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48-87'



L = 88-166'



L = >166'

GENERAL NOTES

(1) 8" WHITE

(2) QUANTITY AND LOCATION OF TYPE 3 ARROW ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION, THE ARROWS AND ONLY MARKING ARE ELIMINATED.

⇨ DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

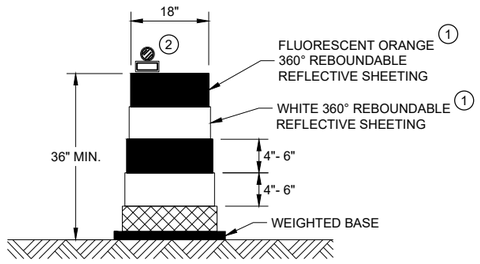
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORT

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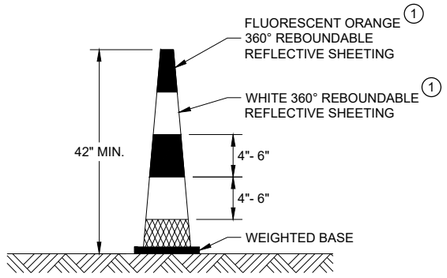
S.D.D. 15 C 8-19c

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

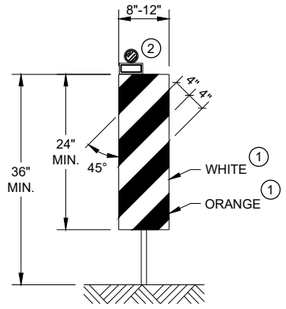


DRUM



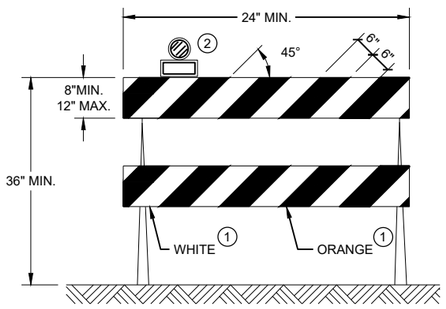
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



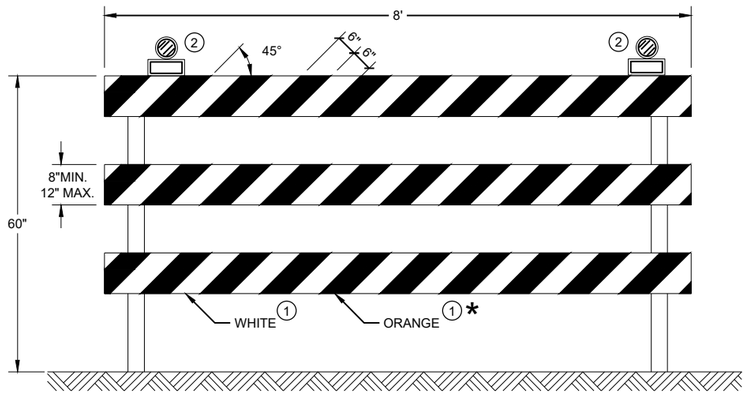
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

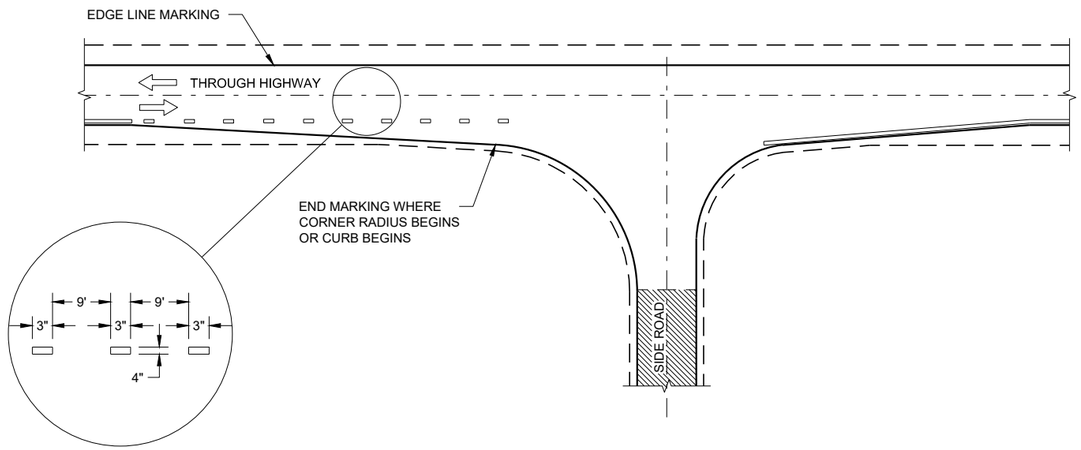
APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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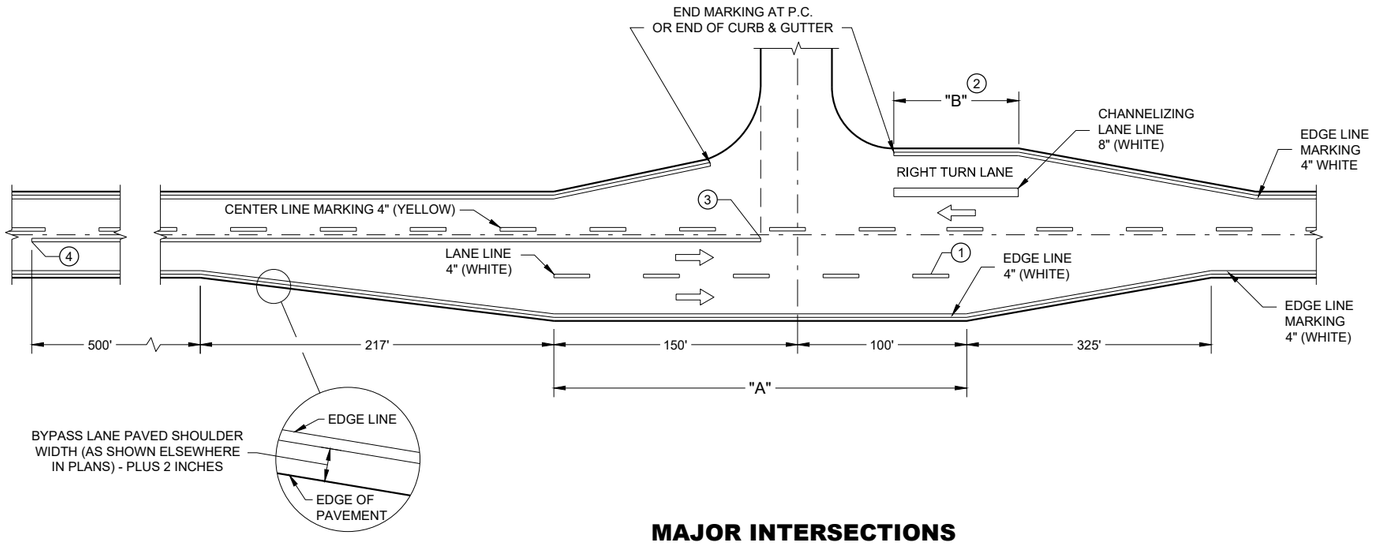
SDD 15C11 - 07b

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SDD 15C11 - 07b



MINOR INTERSECTION



MAJOR INTERSECTIONS

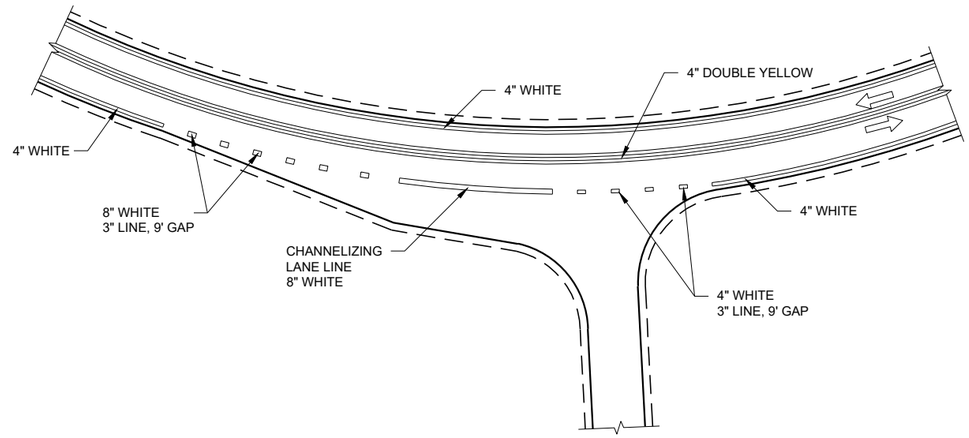
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C35 - 03a

6

SDD 15C35 - 03a

GENERAL NOTES

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

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 DESIRABLE) CLEARANCE TO EXISTING SIGNS.

ALL SIGNS ARE 48" x 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 OR AS APPROVED BY THE ENGINEER.

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 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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 OR INTERSECTION. THE LANE CLOSURE 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 ONE HALF 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.

(1) CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

(2) IF NEEDED. USE ONLY IF DESIGN SPEED IS 10 MPH LESS THAN POSTED SPEED.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING
- CONCRETE BARRIER TEMPORARY PRECAST
- DIRECTION OF TRAFFIC
- WORK AREA



OR





R2-1
48"X60"

OR



R2-1
48"X60"

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. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES.

LOCATED 400 FEET BEYOND THE W20- 5G SIGN.

SEE SDD 15D12b FOR SIGN PLACEMENT.

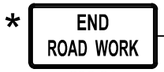
(BLACK AND WHITE)

LOCATED 700 FEET BEYOND W03-5 SIGN

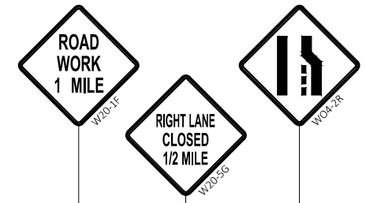


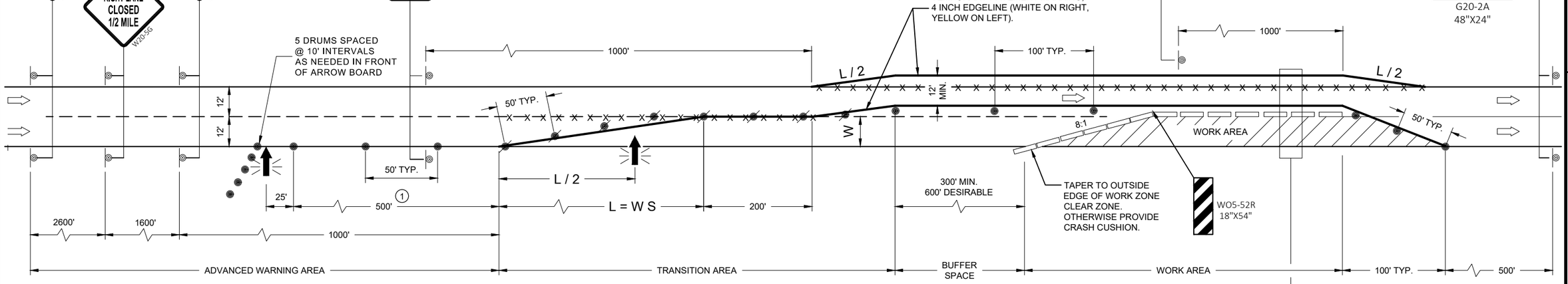


* INCLUDE RESUME SPEED LIMIT SIGN A MINIMUM OF 200 FEET (500 FEET DESIRABLE) AFTER END ROAD WORK SIGNS.

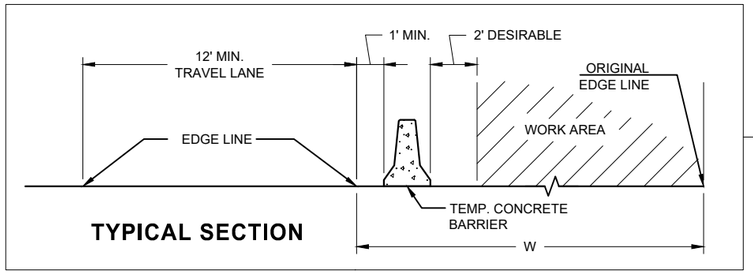


G20-2A
48"X24"





L, TAPER LENGTH (MPH)												
SPEED (MPH)	W, LATERAL OFFSET (FT)											
	1	2	3	4	5	6	7	8	9	10	11	12
45	45	90	135	180	225	270	315	360	405	450	495	540
50	50	100	150	200	250	300	350	400	450	500	550	600
55	55	110	165	220	275	330	385	440	495	550	605	660
60	60	120	180	240	300	360	420	480	540	600	660	720
65	65	130	195	260	325	390	455	520	585	650	715	780
70	70	140	210	280	350	420	490	560	630	700	770	840



TYPICAL SECTION

TRAFFIC CONTROL LANE CLOSURE, SPEEDS GREATER THAN 40 MPH WITH BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINE

FHWA

SDD 15D03-05

SDD 15D03-05

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 DESIRABLE) CLEARANCE TO EXISTING SIGNS.

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

ALL SIGNS ARE 48" x 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 OR AS APPROVED BY THE ENGINEER.

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 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

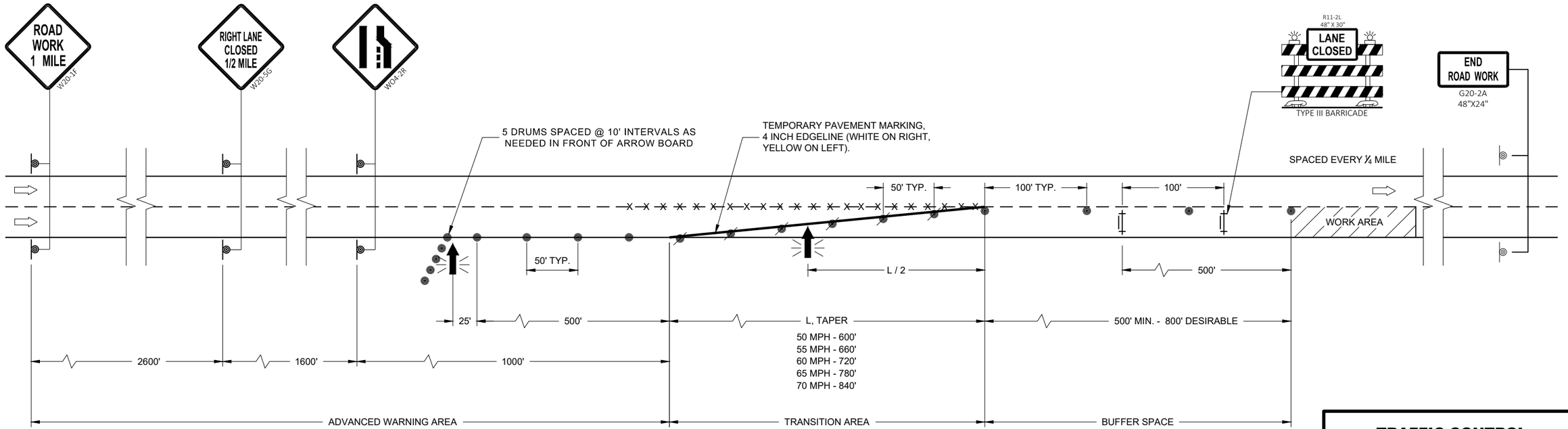
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE 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 ONE HALF 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.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

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



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D12 - 07a

6

SDD 15D12 - 07a

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 DESIRABLE) CLEARANCE TO EXISTING SIGNS.

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

ALL SIGNS ARE 48" x 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 OR AS APPROVED BY THE ENGINEER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE 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 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

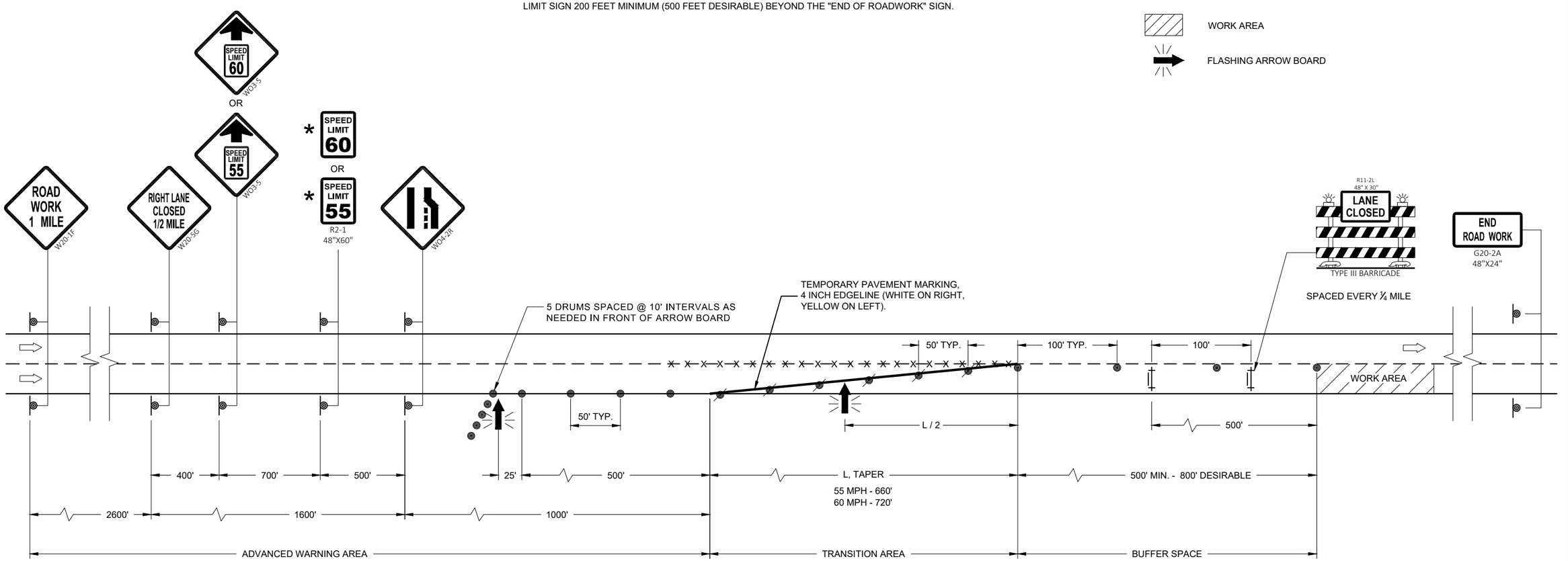
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE 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 ONE HALF 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.

* A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END OF ROADWORK" SIGN.

LEGEND

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



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15D12 - 07b

6
SDD 15D12 - 07b

LEGEND

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

GENERAL NOTES

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

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE 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.

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 TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1E AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

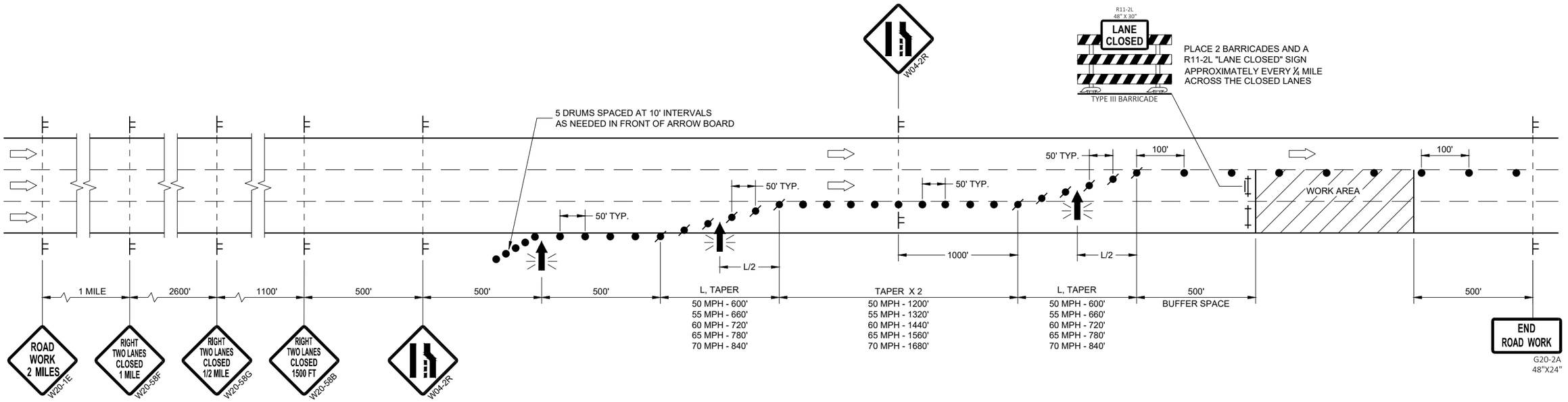
CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS.

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

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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



TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT TERM (LESS THAN 24 HOURS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

July 2015
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

SDD 15D14 - 03

SDD 15D14 - 03

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

GENERAL NOTES

THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.

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 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" X 48" UNLESS OTHERWISE NOTED.

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.

PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROP OFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN WORK IS NOT IN PROGRESS.

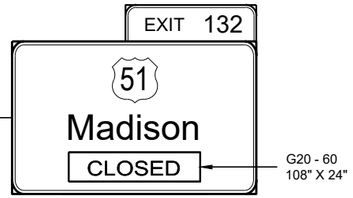
WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12 - HOUR DURATION.

* W20 - 1A AND G20 - 2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

** PLACE "RAMP CLOSED BEGINNING" SIGN OR PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



OR



PLACE SIGN G20 - 60 OVER MILEAGE ON EXISTING E1 - 1A SIGN



COVER ARROW ON EXISTING E4 - 1 SIGN (COVERING SIGNS TYPE I)

G20 - 61
120 ' X 30"

OR

PCMS MESSAGING

FRAME 1	FRAME 2
RAMP TO CLOSE	XXXDAY XX XX XX

TRAFFIC CONTROL EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

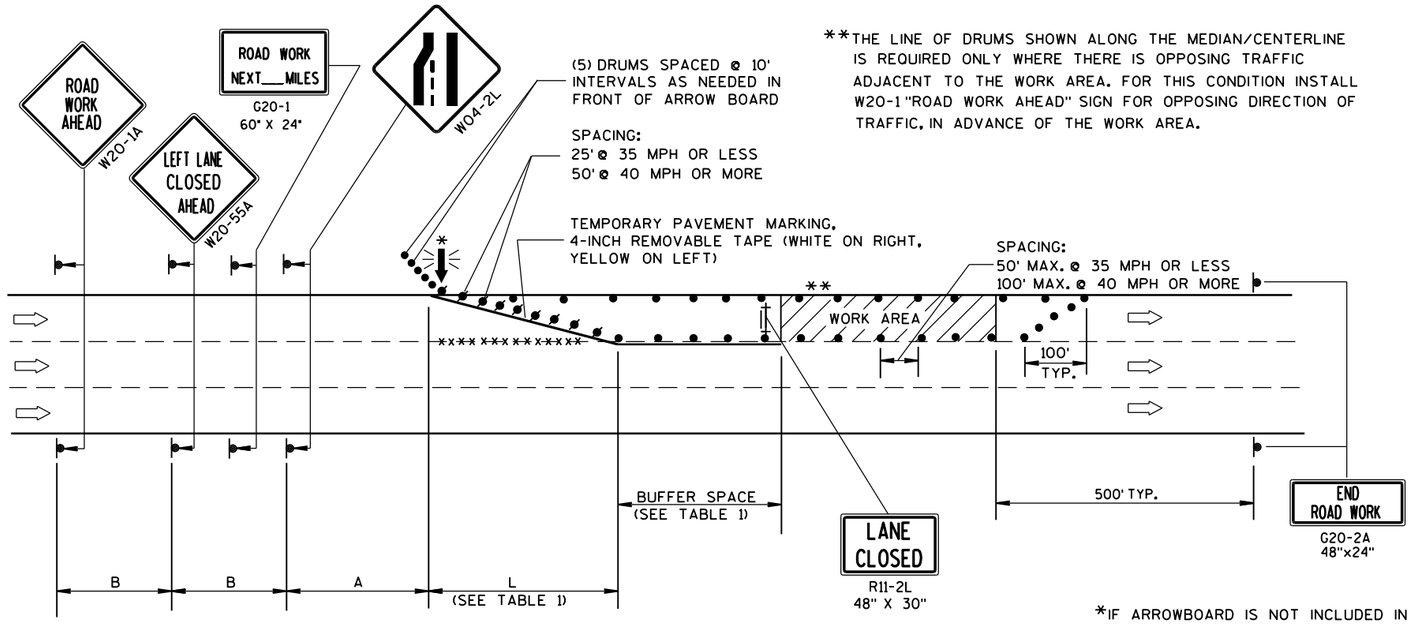
APPROVED
November 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15D16 - 04

6
SDD 15D16 - 04



**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF TRAFFIC, IN ADVANCE OF THE WORK AREA.

B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

(PLACE BARRICADE AND SIGN APPROX. EVERY 1000' ACROSS THE CLOSED LANE)

*IF ARROWBOARD IS NOT INCLUDED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE A TYPE III BARRICADE WITH W01-6 SIGN IN THE LANE CLOSURE TAPER.

W01-6
48"x24"

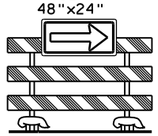


TABLE 1
TAPER AND BUFFER SPACE FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

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

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

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.

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.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

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.

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

TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

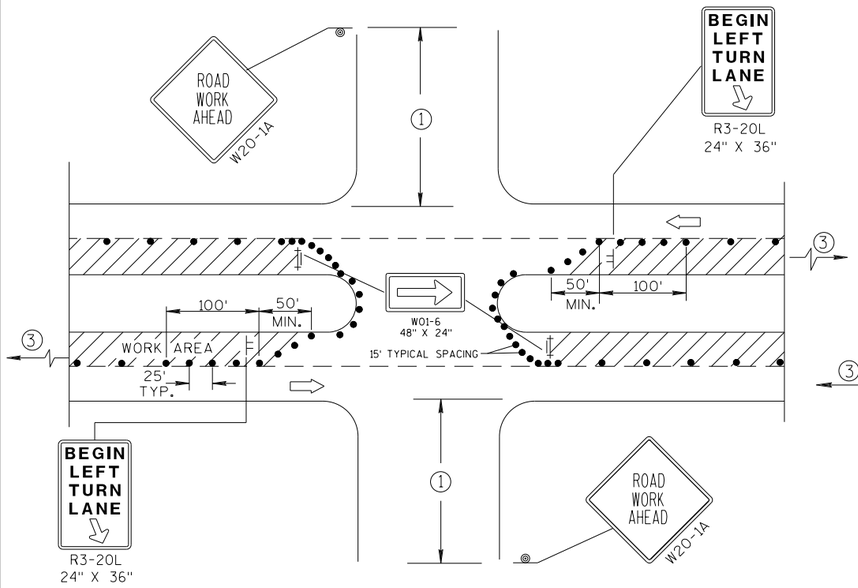
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 — DATE
FHWA

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER — IC

6

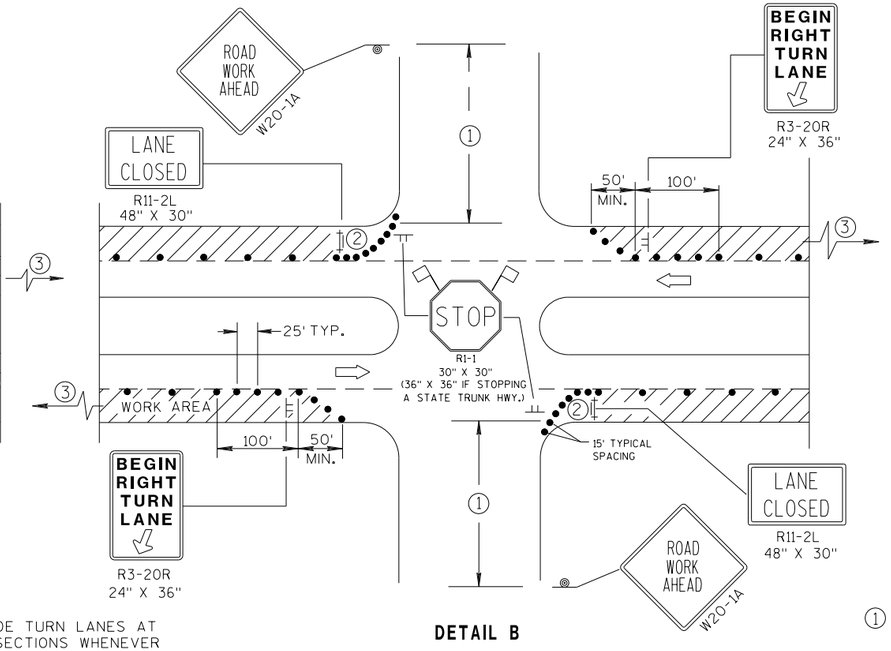
S.D.D. 15 D 20-4



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.

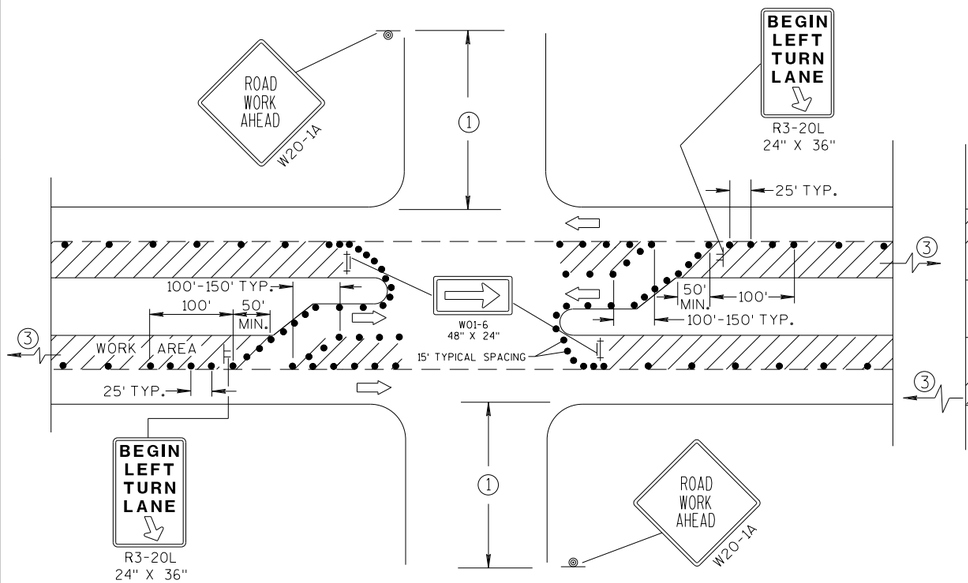
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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.

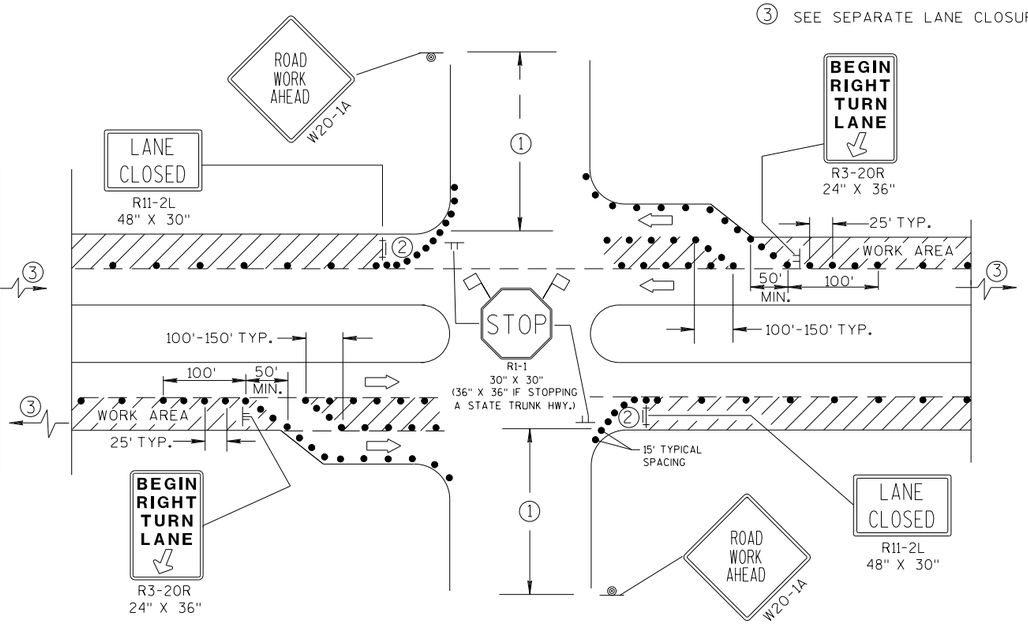
(2) ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.

(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

7/2018
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA

6

S.D.D. 15 D 21-6

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.

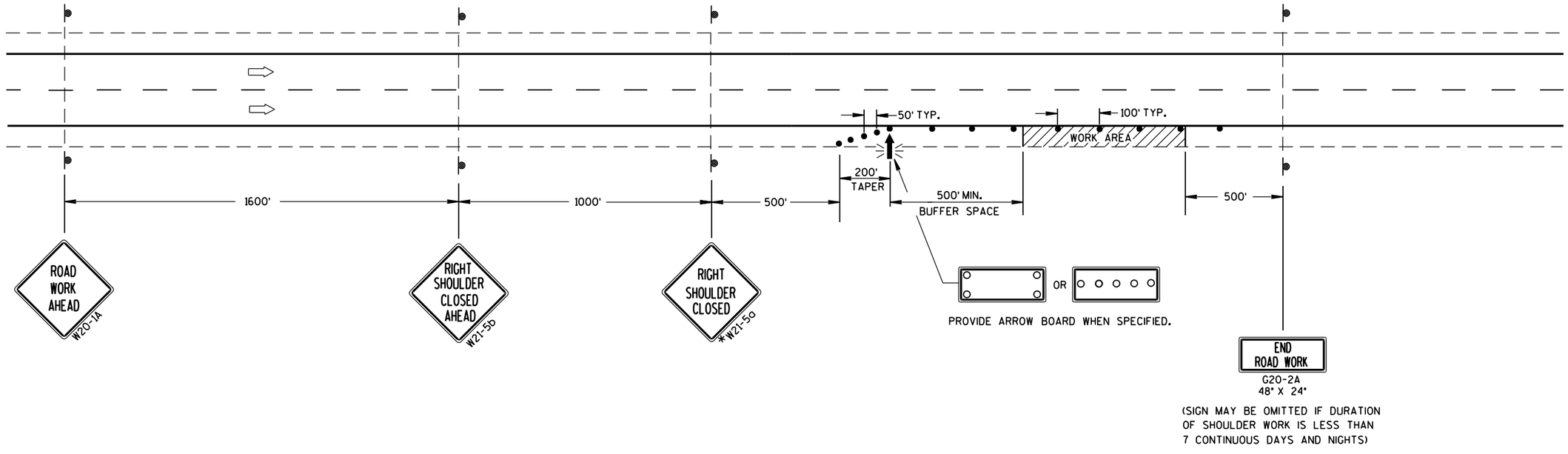
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

June 2016 — DATE

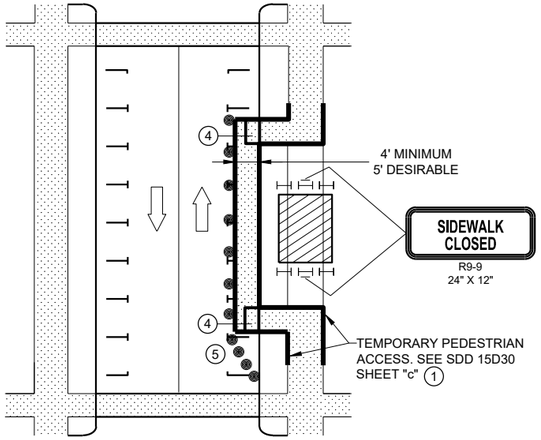
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] TIC SAFETY ENGI[illegible]

FHWA

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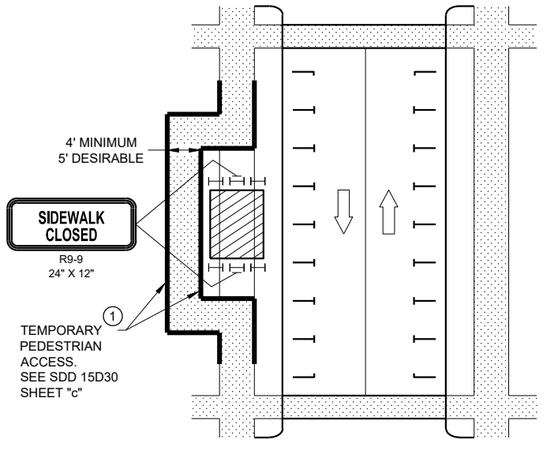
S.D.D. 15 D 27-3

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

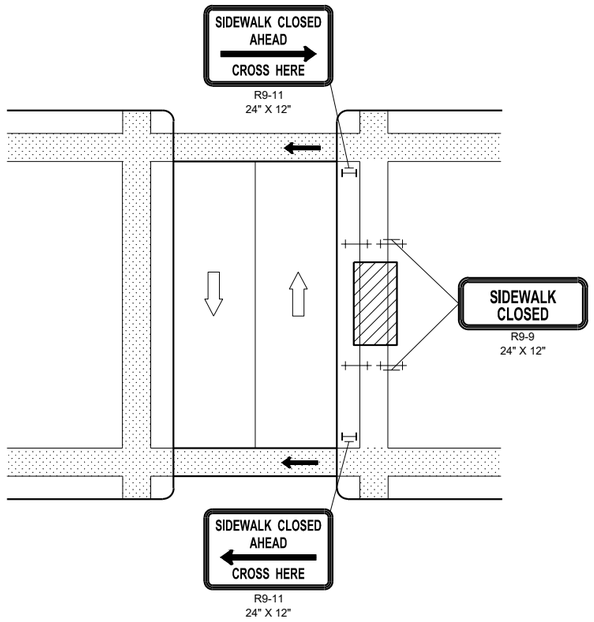


MID-BLOCK SIDEWALK SIDEWALK CLOSURE IN PARKING LANE

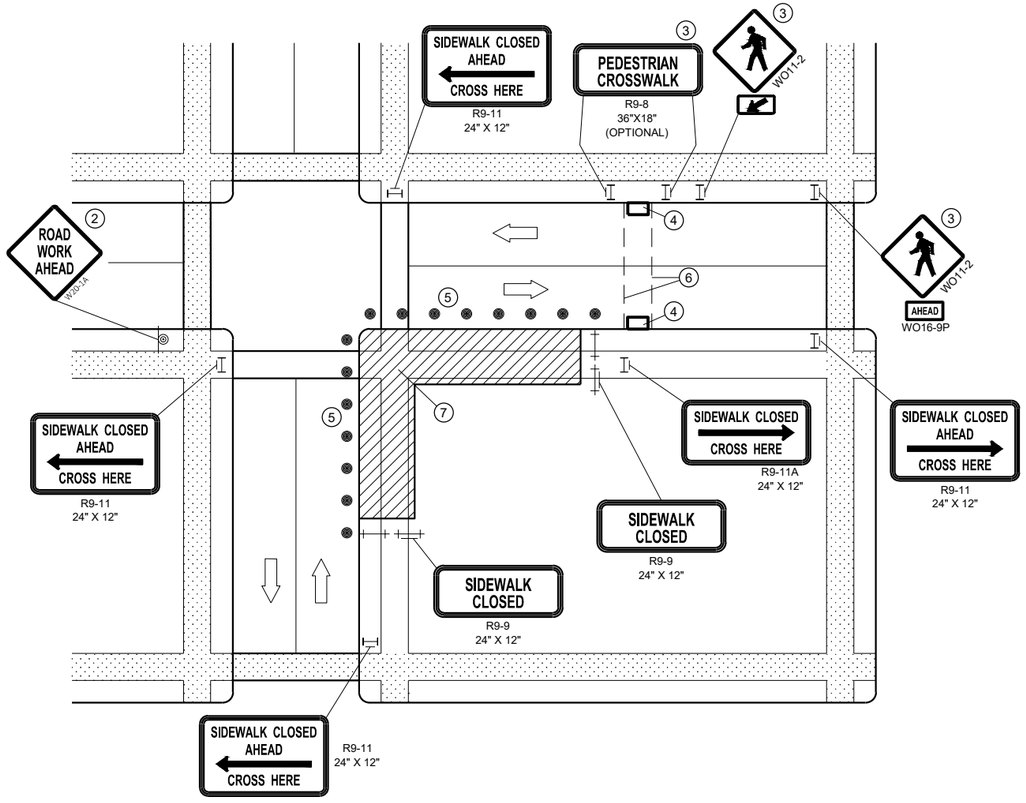
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
2. "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
3. IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
4. TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
5. DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
6. TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
7. LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

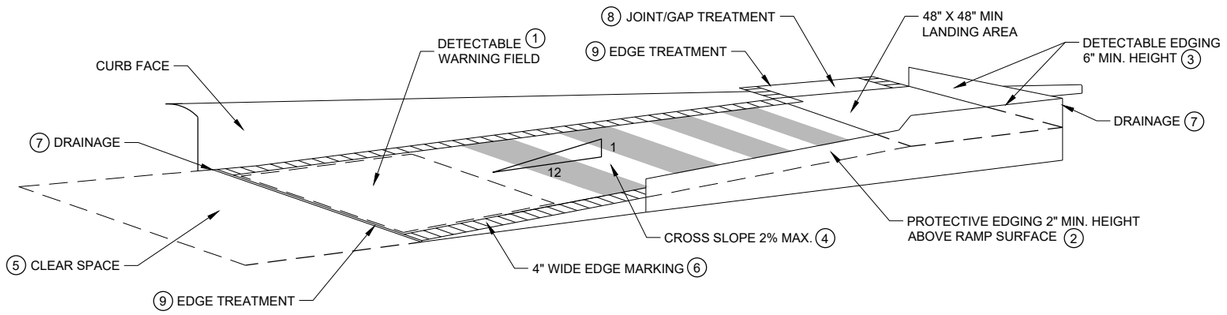
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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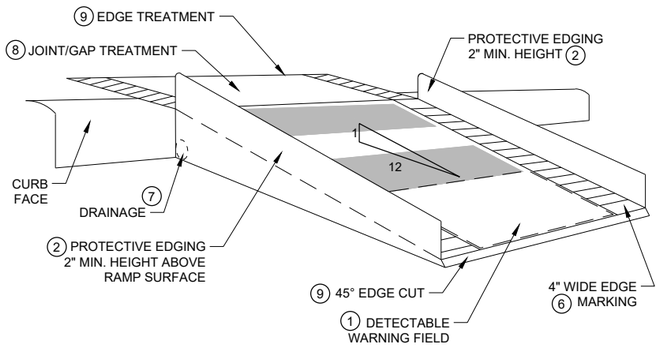
SDD 15D30 - 05a

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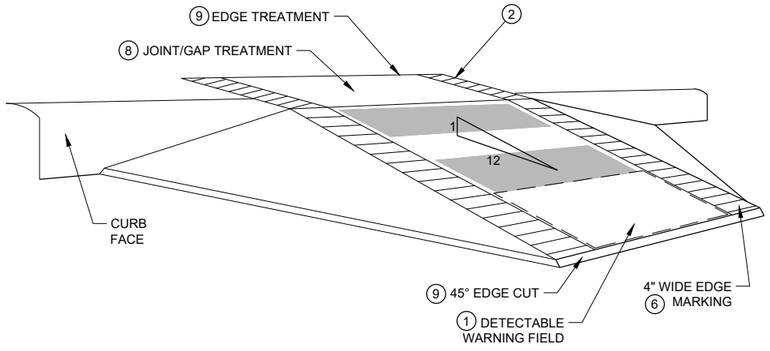
SDD 15D30 - 05a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

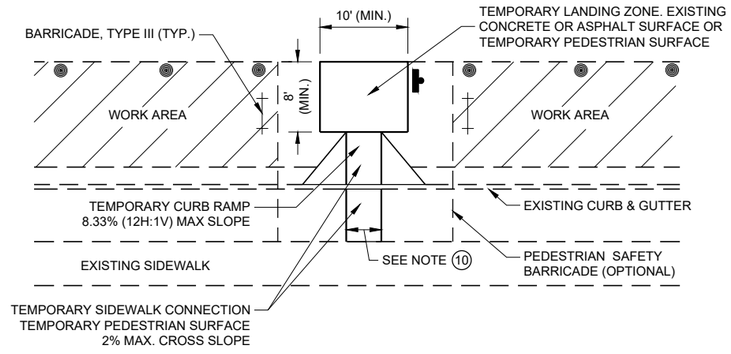
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



TEMPORARY BUS STOP PAD

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

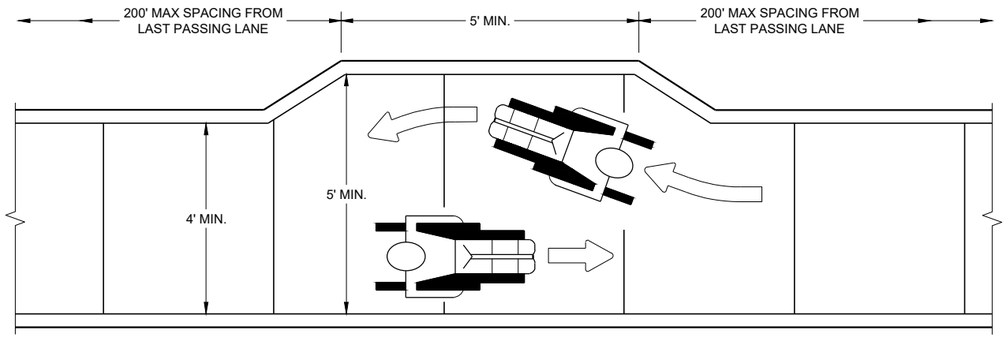
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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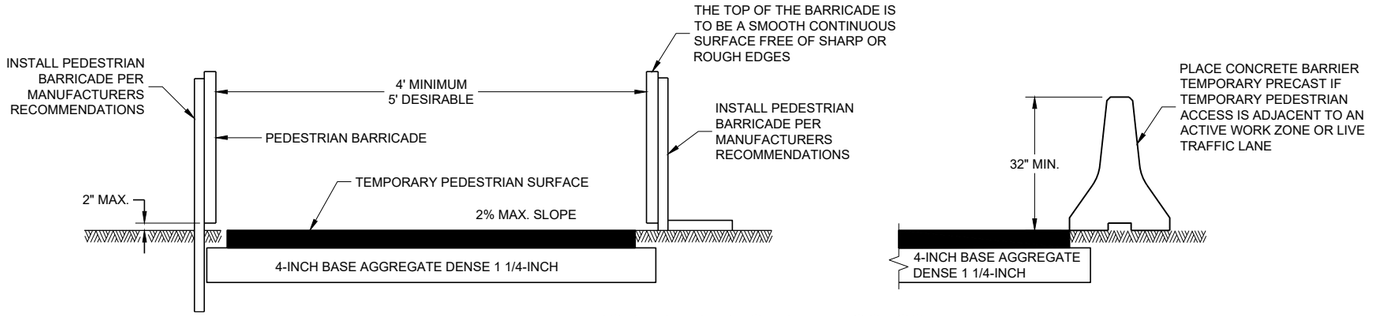
SDD 15D30 - 05b

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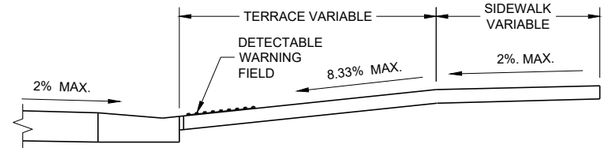
SDD 15D30 - 05b



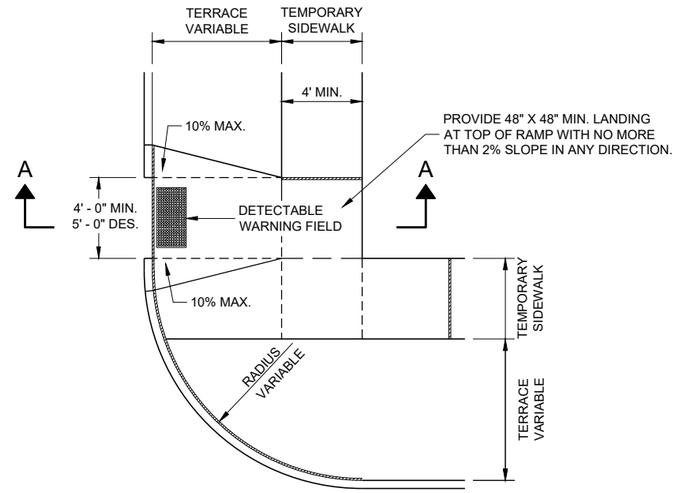
NARROW SIDEWALK PASSING DETAIL



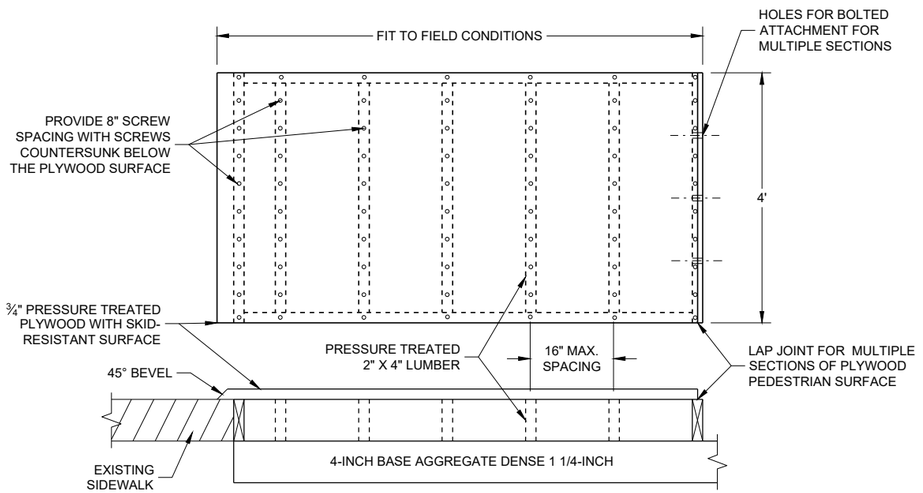
TEMPORARY PEDESTRIAN ACCESS



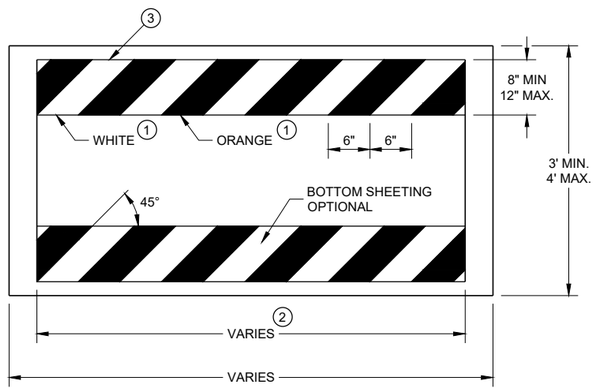
SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

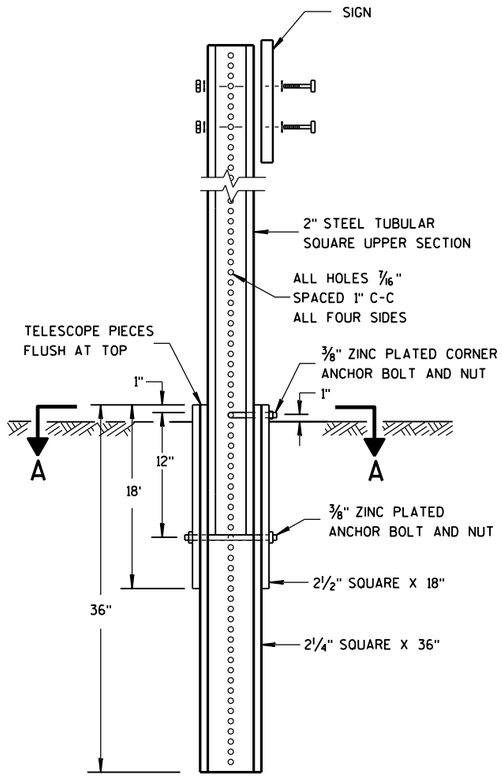
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

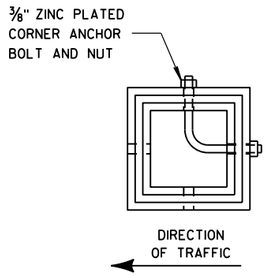
SDD 15D30 - 05c

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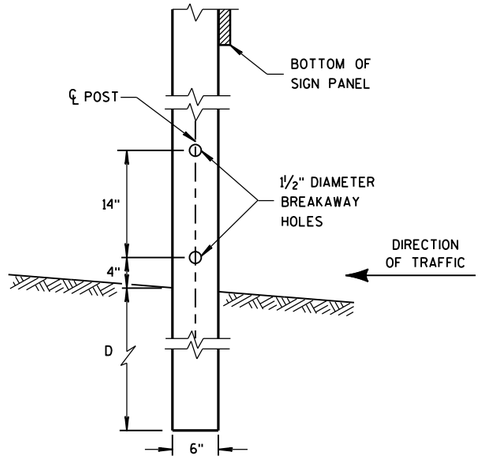
SDD 15D30 - 05c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



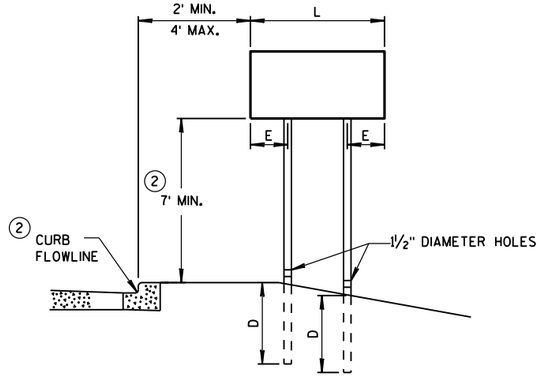
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

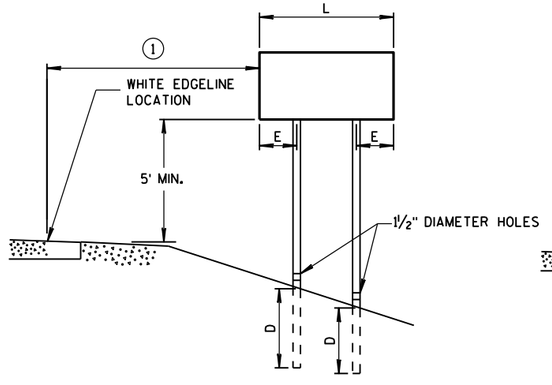
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

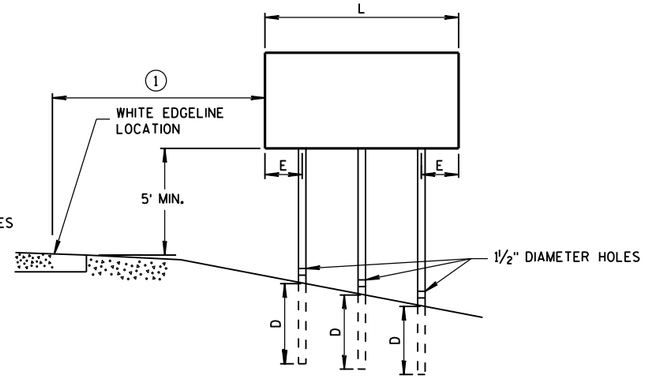
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

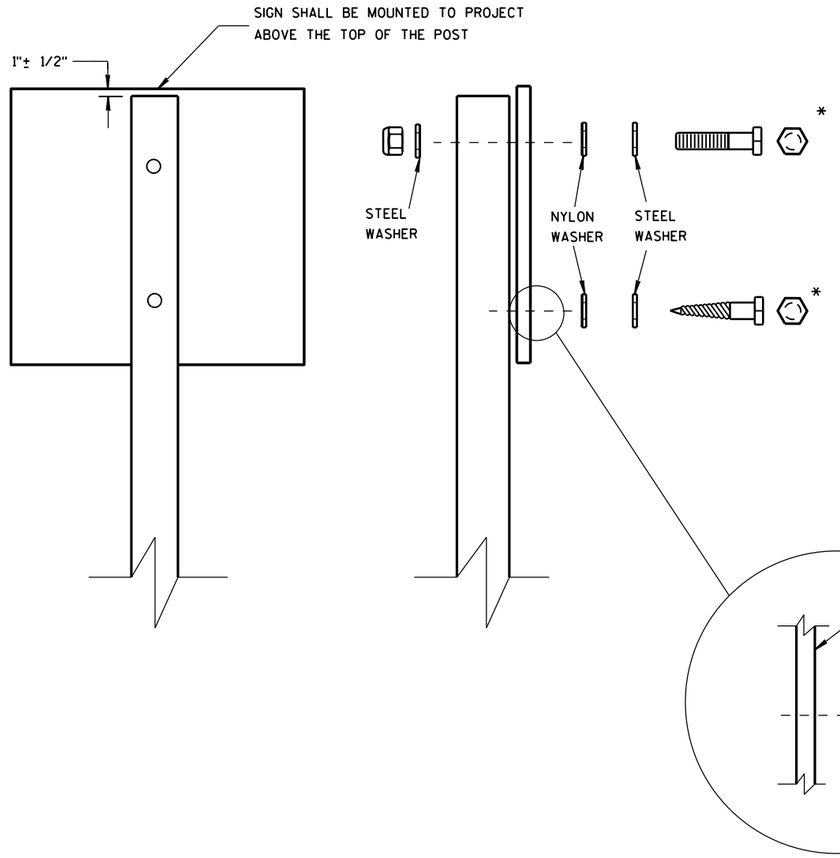
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

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

* 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

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S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

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 SHIFTING RIGHT LANE - REVERSE FOR SHIFTING 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.

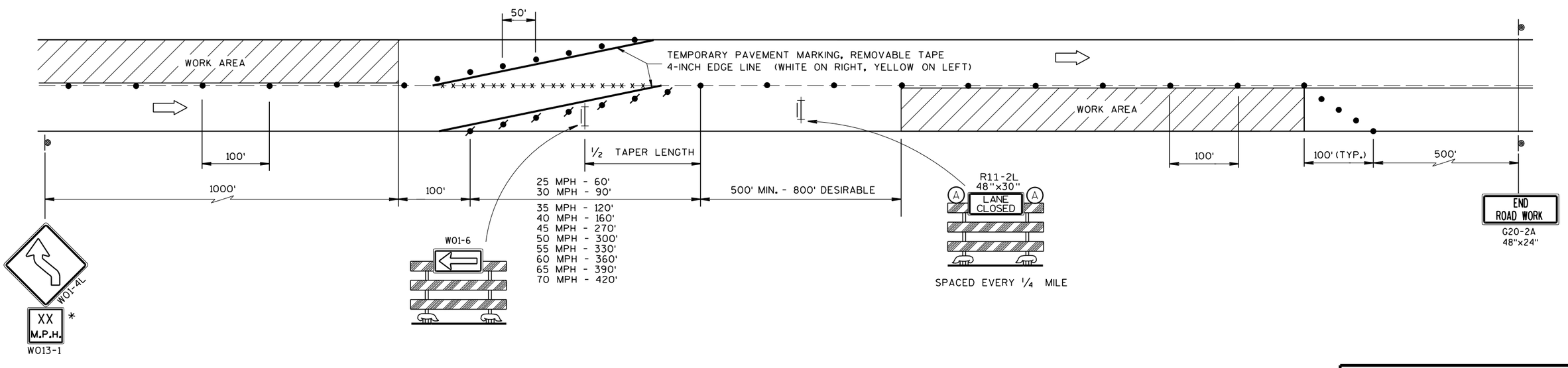
FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.



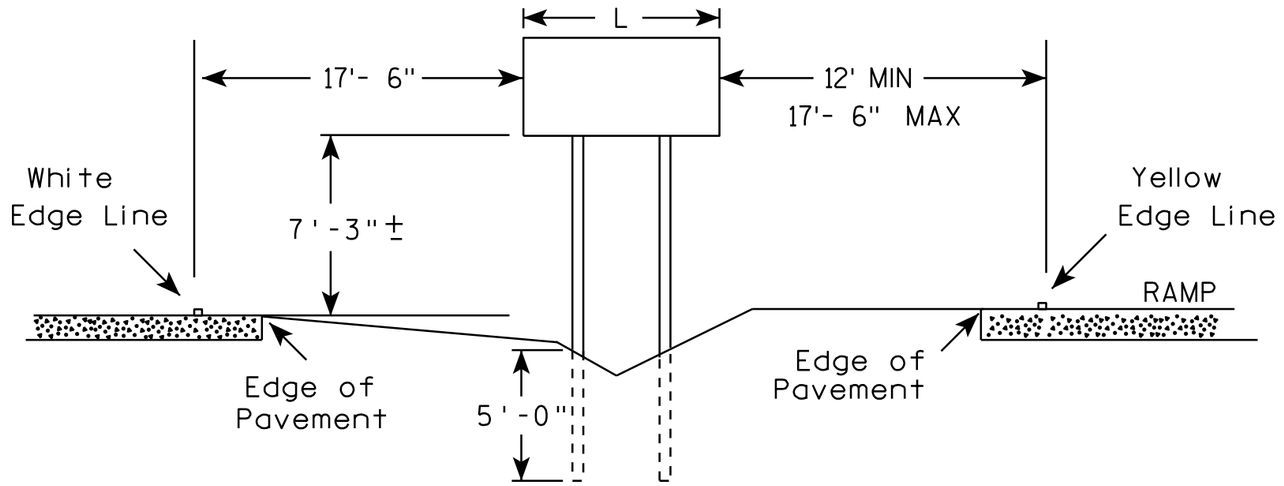
* USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED

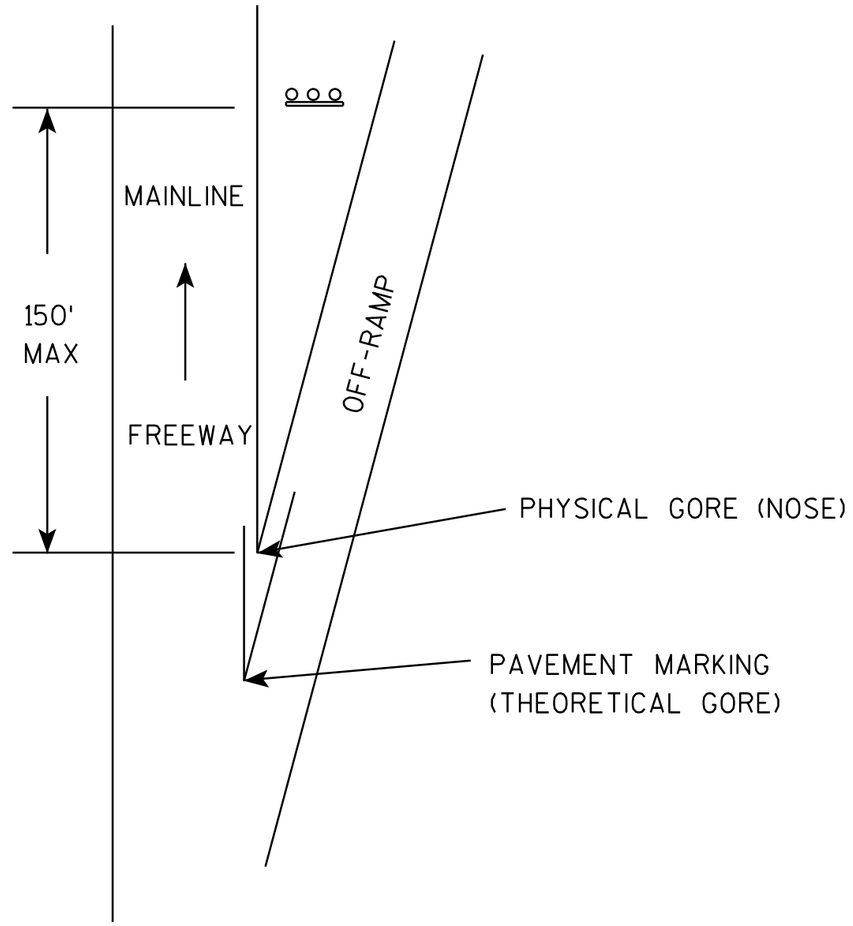
LANE SHIFT MULTI-LANE DIVIDED OR ONE WAY ROAD

TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE WAY ROAD	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
March 2018 DATE	/S/ Andrew I WORK ZONE E
FHWA	

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S.D.D. 15 D 40-1





GENERAL NOTES

1. The 150 foot distance from the physical gore (where pavement ends) will normally provide the offsets as shown.
2. If roadway geometrics permit, the sign may be closer than the 150 foot distance as long as the offsets are maintained.
3. At no time shall the location be greater than 150 feet. If the normal offsets cannot be maintained, they can be reduced to 6 feet from the edge of the paved shoulder (both freeway and ramp).
4. The offset from edge of sign to the yellow edge line on the ramp is shown as a minimum of 12 feet and a maximum of 17 feet, 6 inches. Preference is adhering to the maximum rather than the minimum dimension.
5. When L is equal to or exceeds 10 feet, use 3 posts as per A4-4.
6. The (∓) tolerance for the mounting height is 3 inches.

TYPICAL INSTALLATION OF TYPE II SIGNS ON WOOD POSTS IN GORE

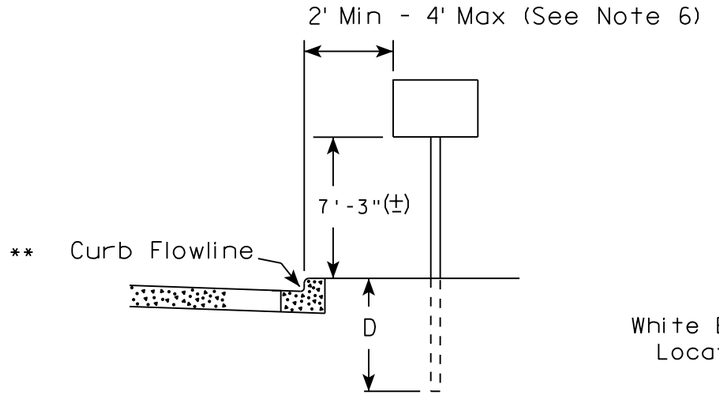
WISCONSIN DEPT OF TRANSPORTATION

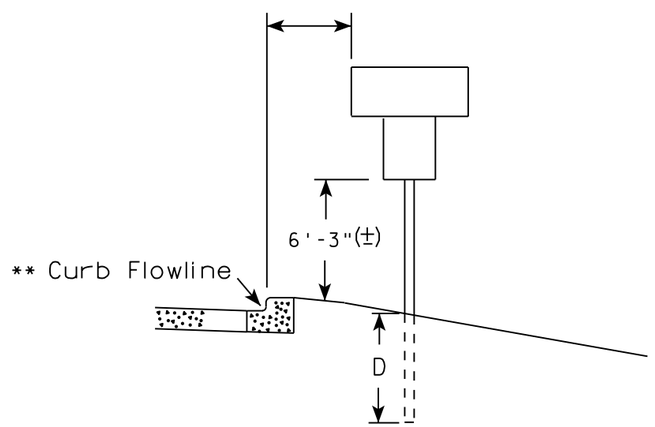
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/14 PLATE A4-2.3

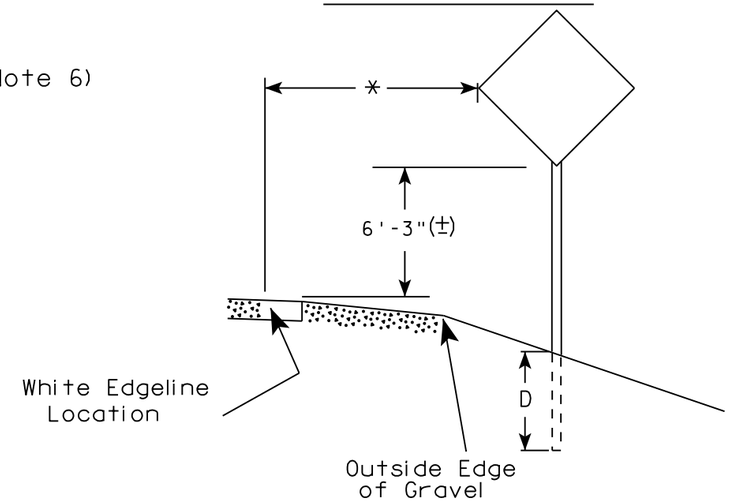
PROJECT NO: | SHEET NO: E

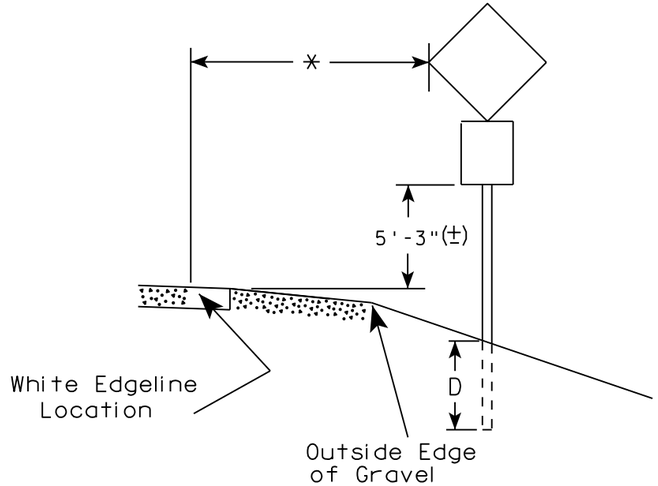
URBAN AREA





RURAL AREA (See Note 2)





GENERAL NOTES

1. Signs wider than 4 feet or 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. J-Assemblies are considered to be one sign for mounting height.
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 signs shall be mounted at a height of 5'-3" (±) or as directd 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), In Road Object Markers (W5-54) & End of Road Markers (W5-56) 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'

** 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.

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

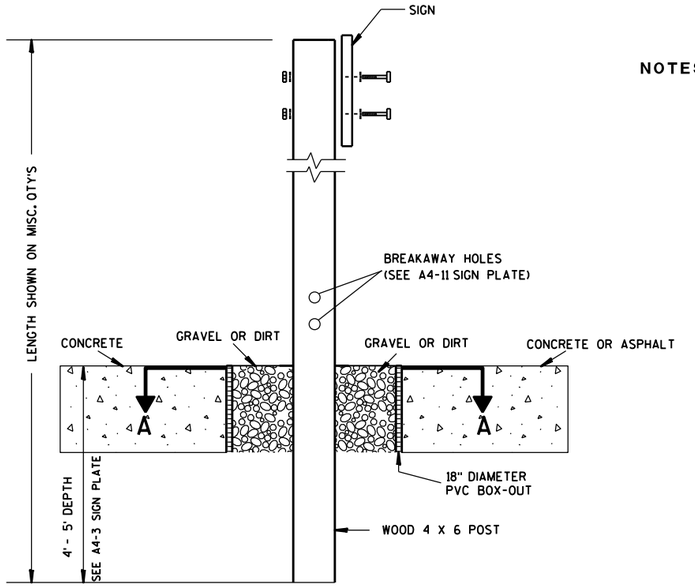
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

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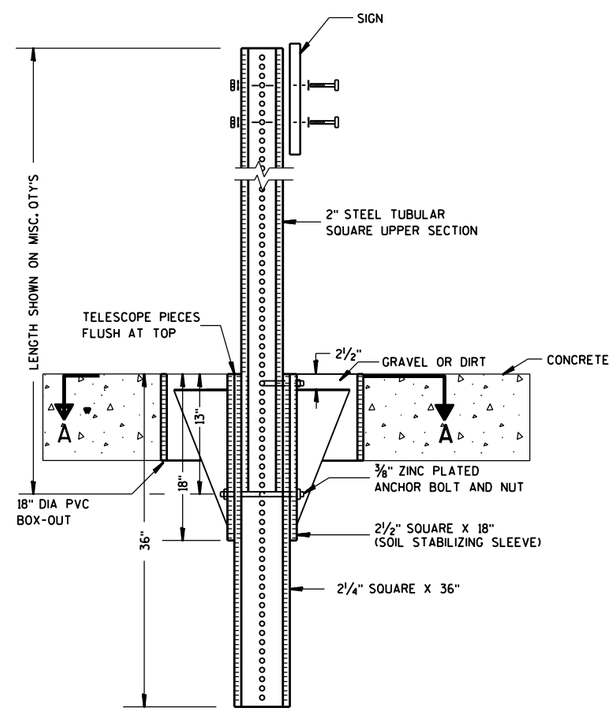
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 128	E



ELEVATION VIEW

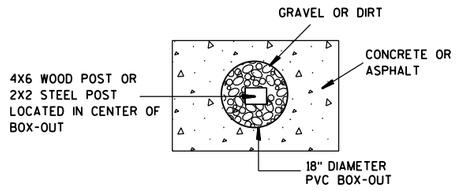
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

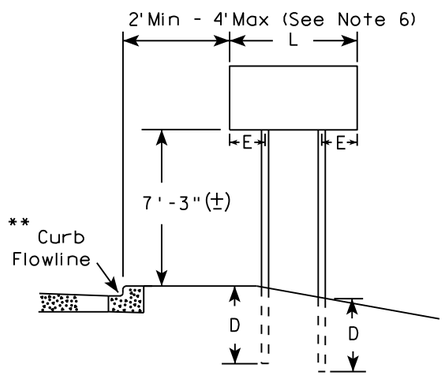
APPROVED Matthew R Rauch
for State Traffic Engineer

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

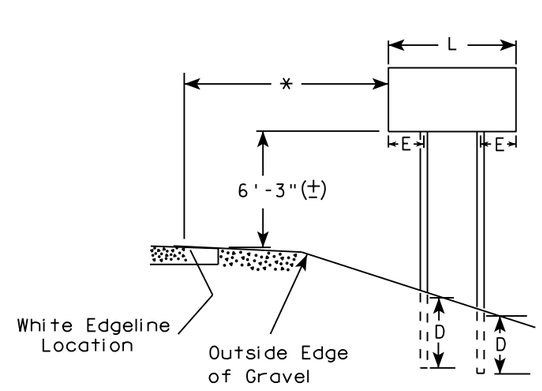
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

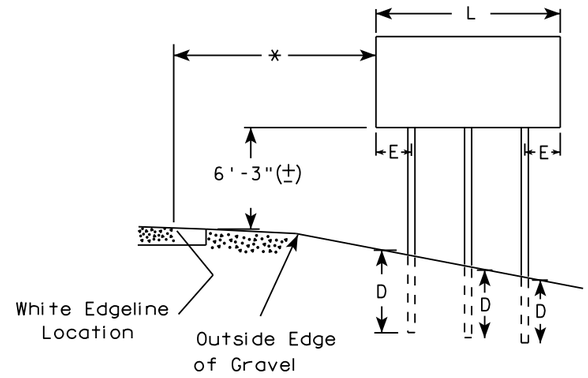
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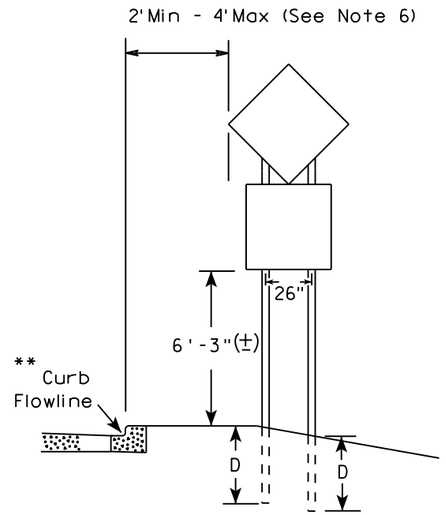
URBAN AREA



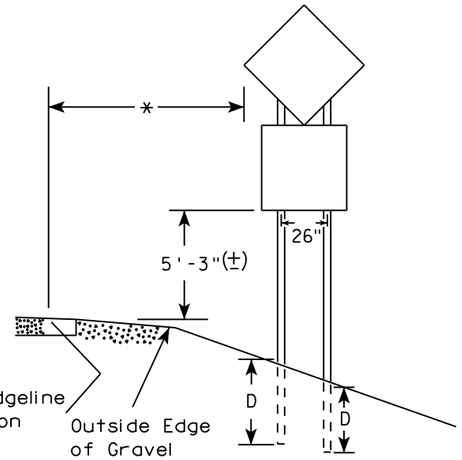
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

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. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs 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), In Road Object Markers (W5-54) & End of Road Markers (W5-56) 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 and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

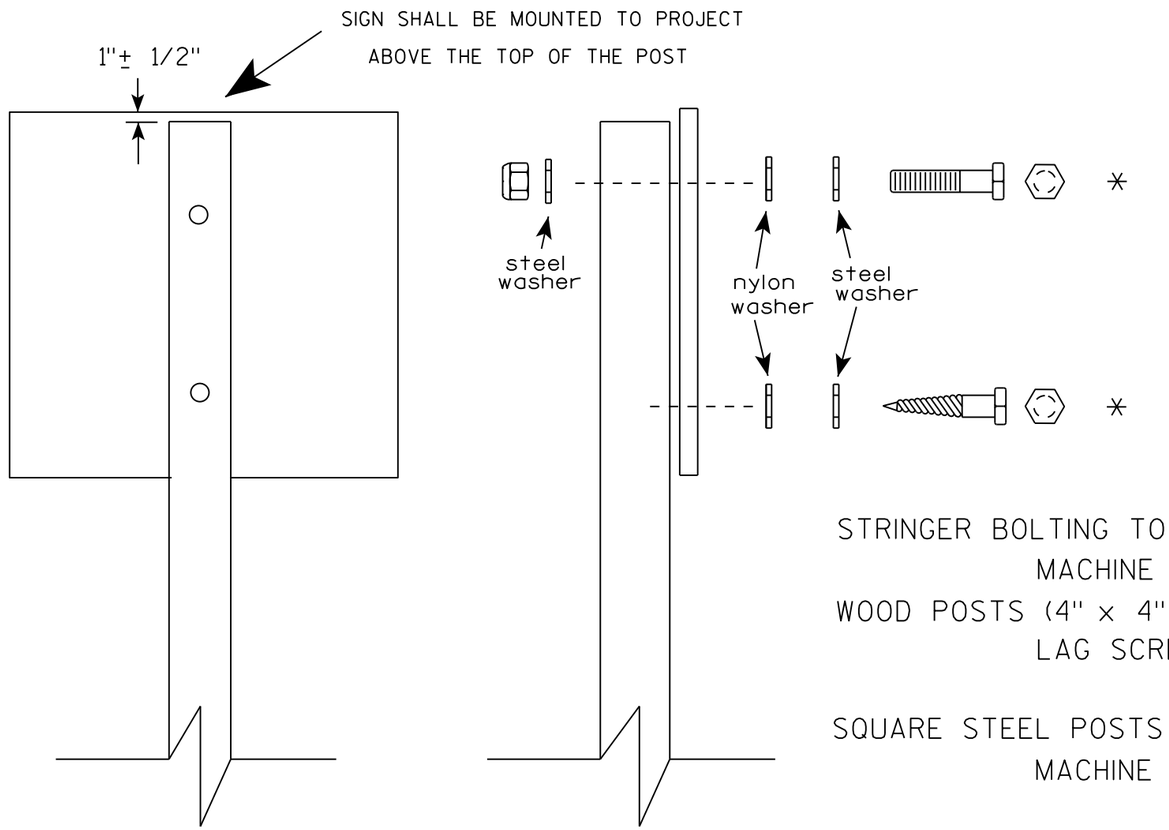
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 130	E



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.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts
WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)
SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
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

* 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

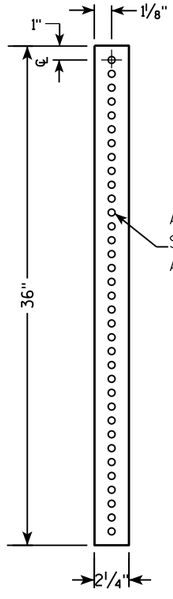
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

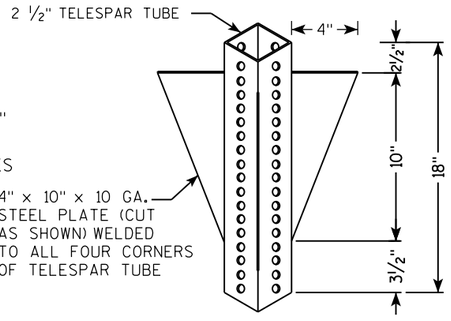
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

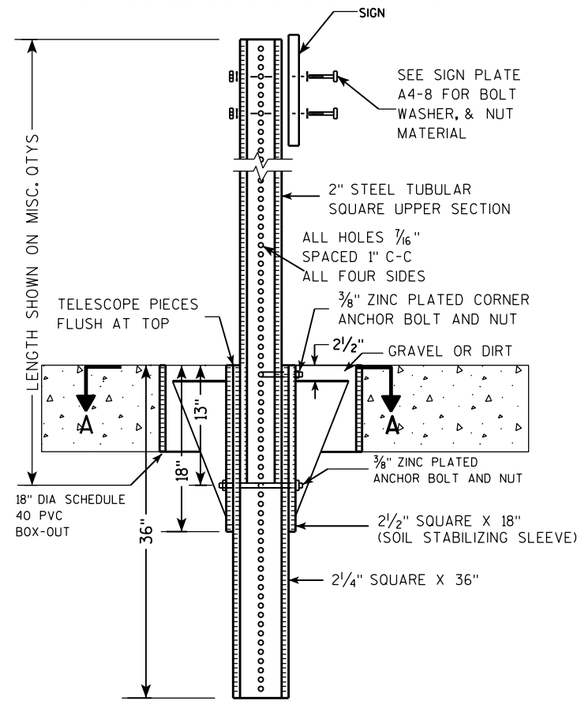
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



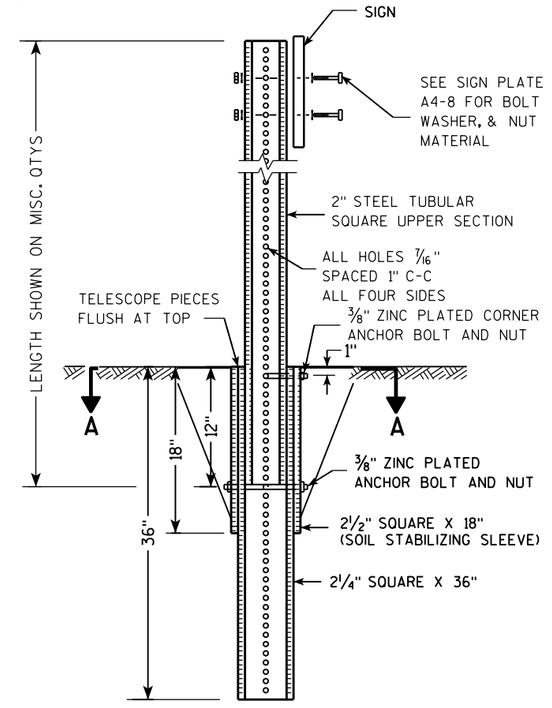
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

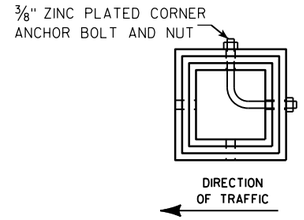


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

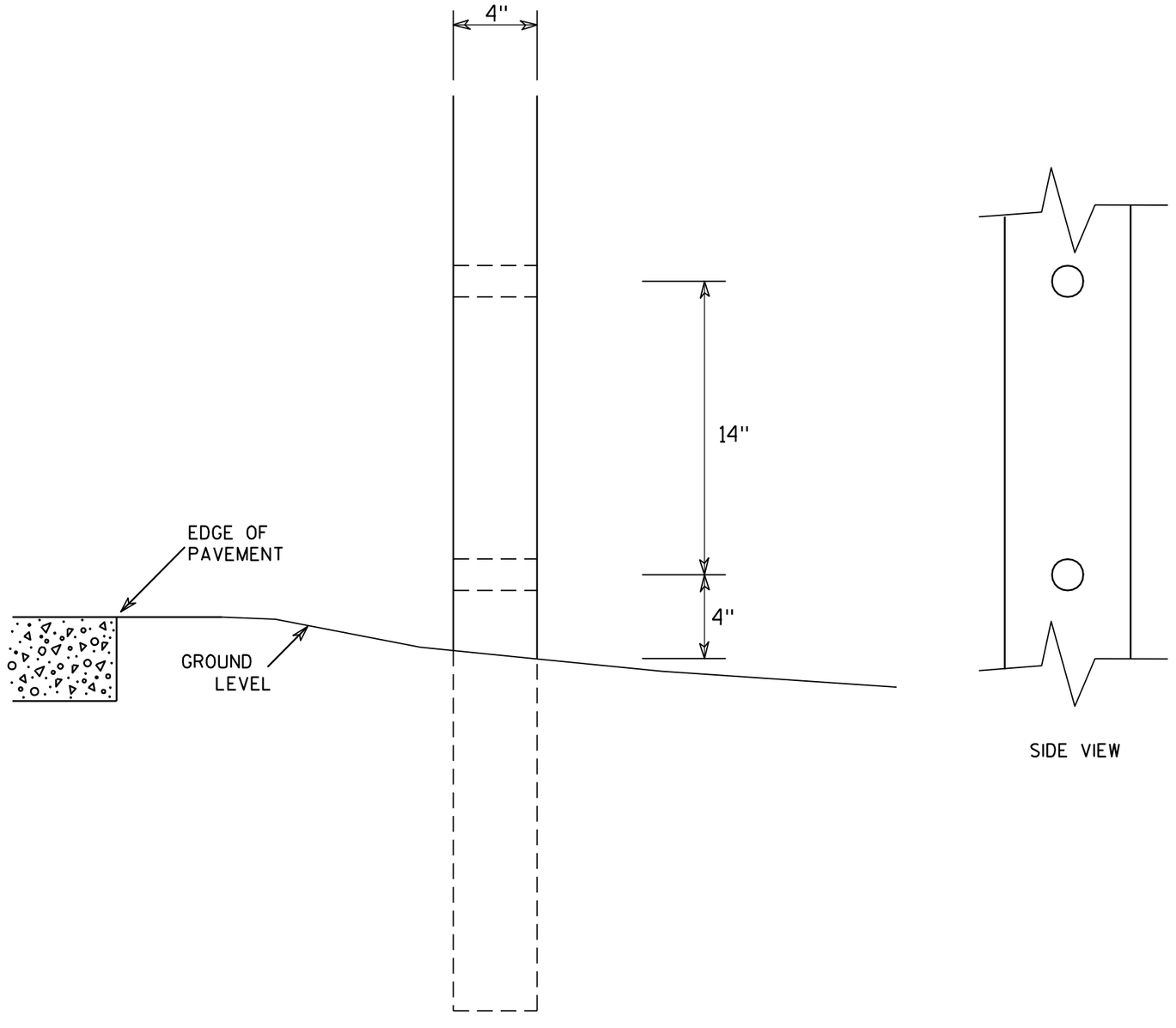
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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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.

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4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

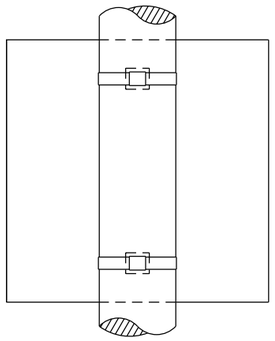
APPROVED Chester J Spang for State Traffic Engineer

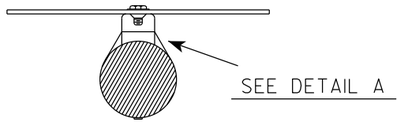
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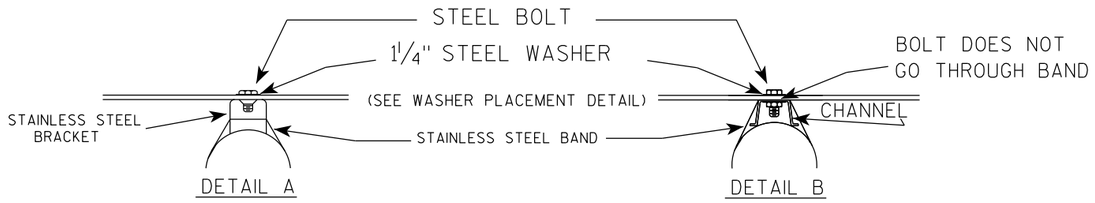
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 133	E

BANDING

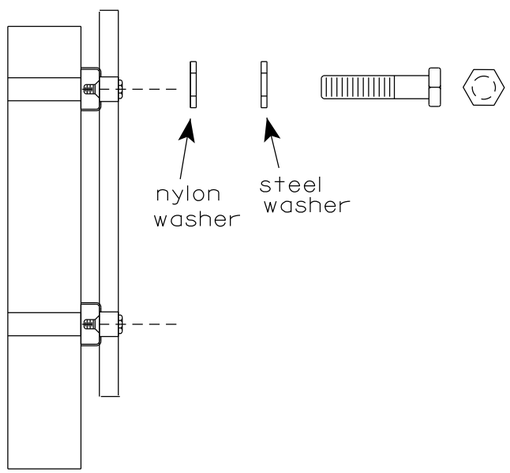
SINGLE SIGN







WASHER PLACEMENT

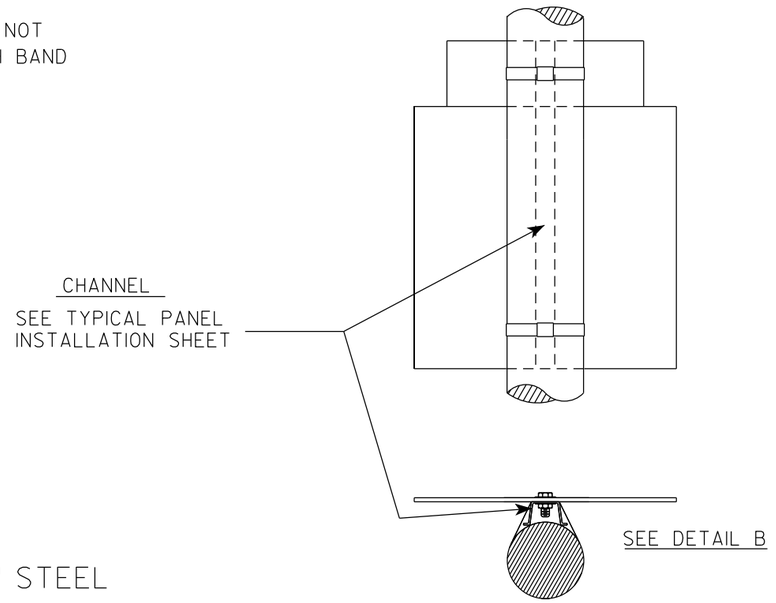


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

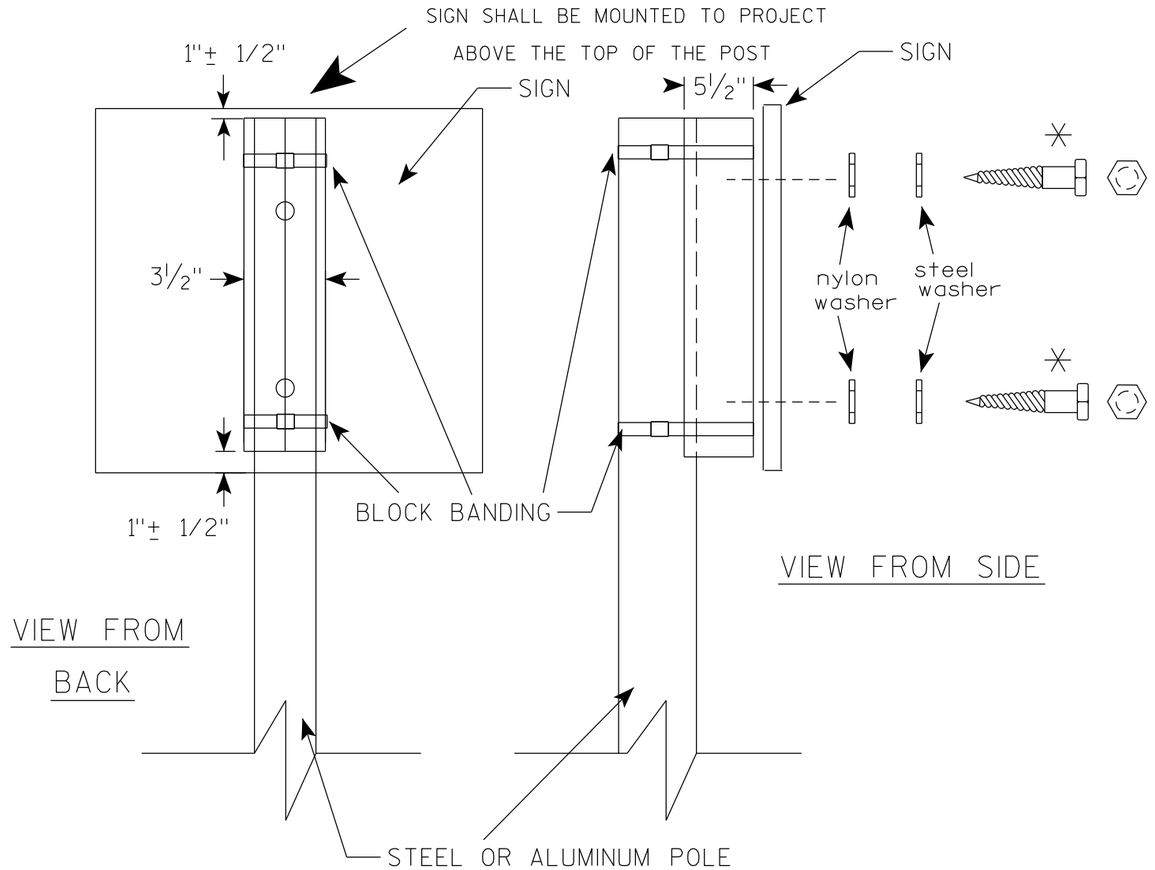
DATE 6/10/19 PLATE NO. A5-9.4

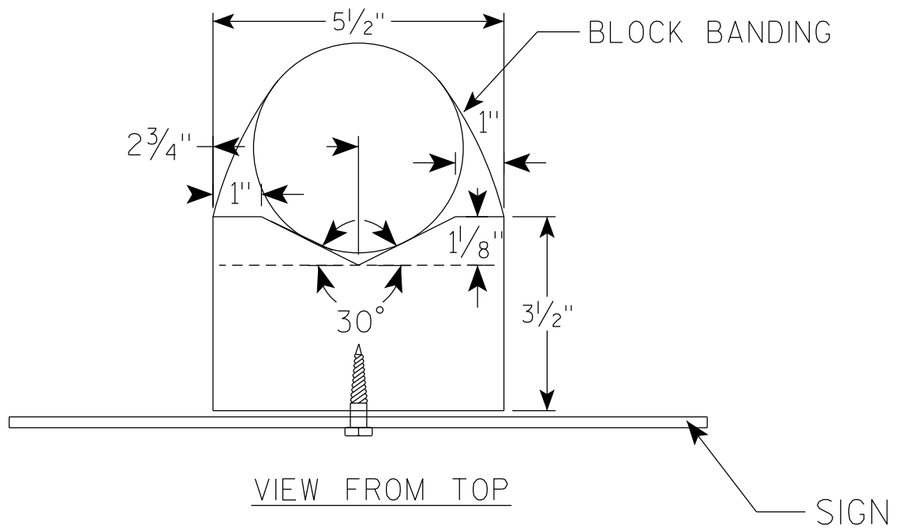
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 134	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

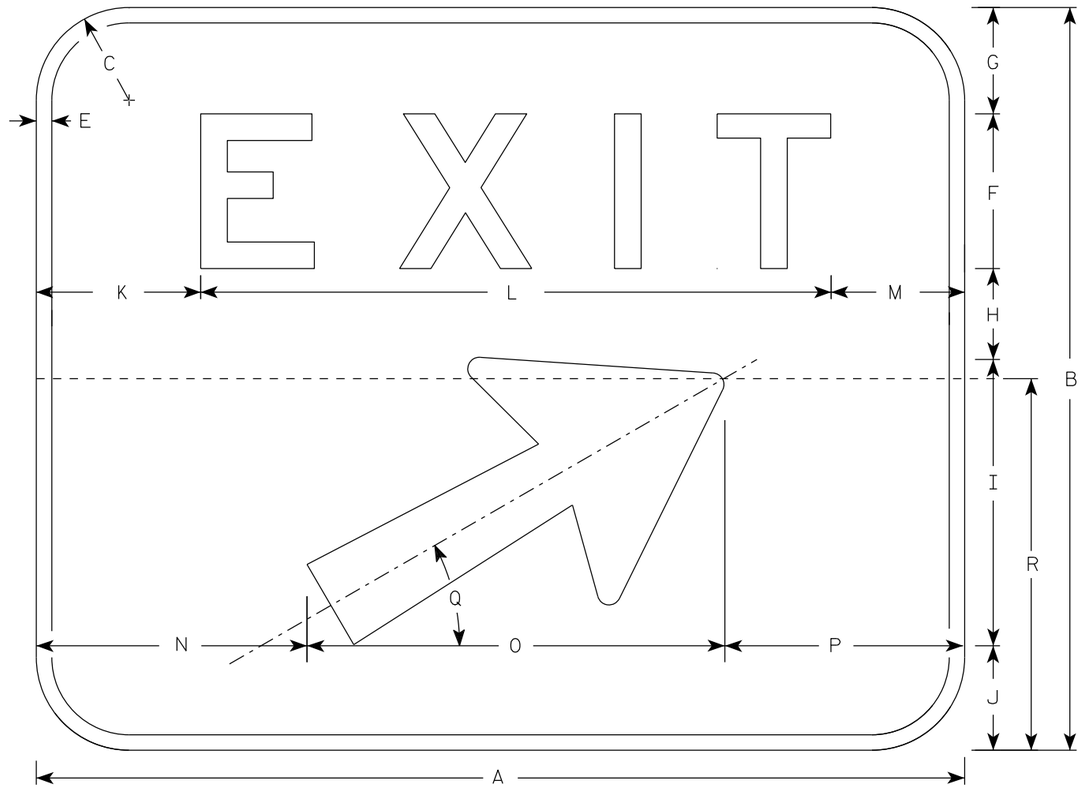
BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO:				SHEET NO: 135	E



E5-1

NOTES

1. Sign is Type II - Type H reflective
2. Color:
   Background - Green
   Message - White
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. When Base material for this sign is plywood sign shall be split into two seperate pieces for the 72 x 60 size as shown on the detail by the dashed line (----------).
6. Arrow is Type "A" from sign plate A1-1.
7. As per the Standard Spec's, this sign shall not have a vertical joint.
8. Size 3 E5-1 shall only be used in a Work Zone application with a Temporary Sign Support

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																											
3	48	48	6		1	10	6 7/8	5 7/8	18 1/2	6 3/4	8 1/2	31 1/8	8 3/8	11 1/2	27	9 1/2	30°	30									16.0
4	60	48	6		1	10	6 7/8	5 7/8	18 1/2	6 3/4	10 5/8	40 3/4	8 5/8	17 1/2	27	15 1/2	30°	30									20.0
5	72	60	6		1	12	9 3/4	10	18 1/2	9 3/4	13 1/4	48 1/2	10 1/4	23 1/2	27	21 1/2	30°	30									30.0

STANDARD SIGN
E5-1

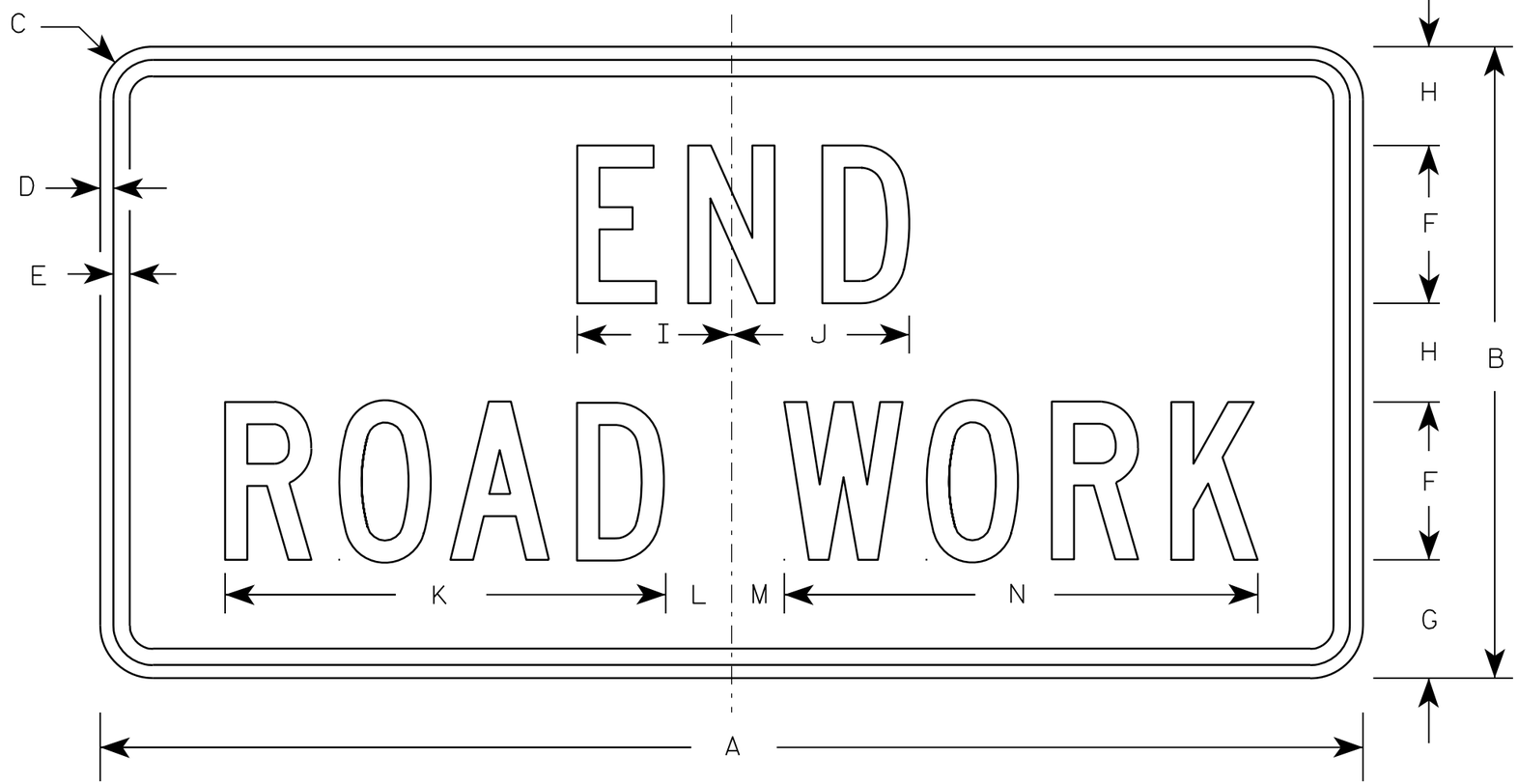
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/26/18 PLATE NO. E5-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 136 | E

7



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   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.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 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	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

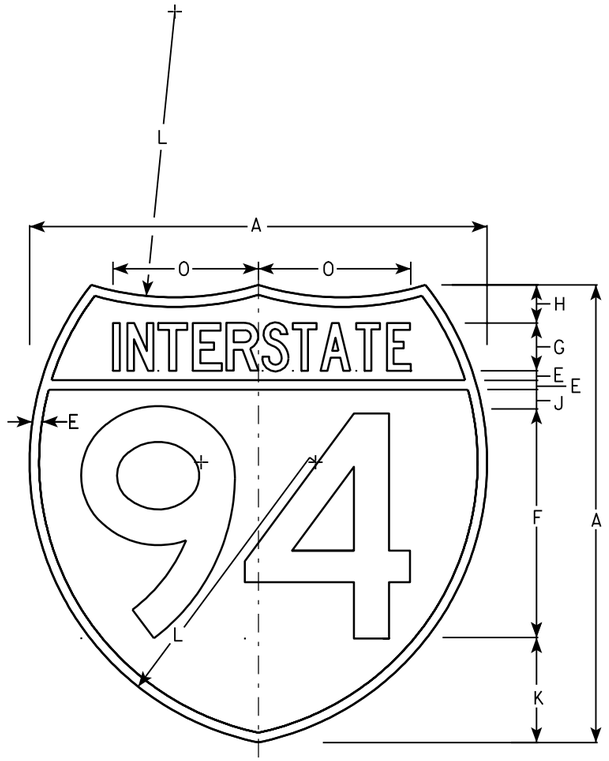
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

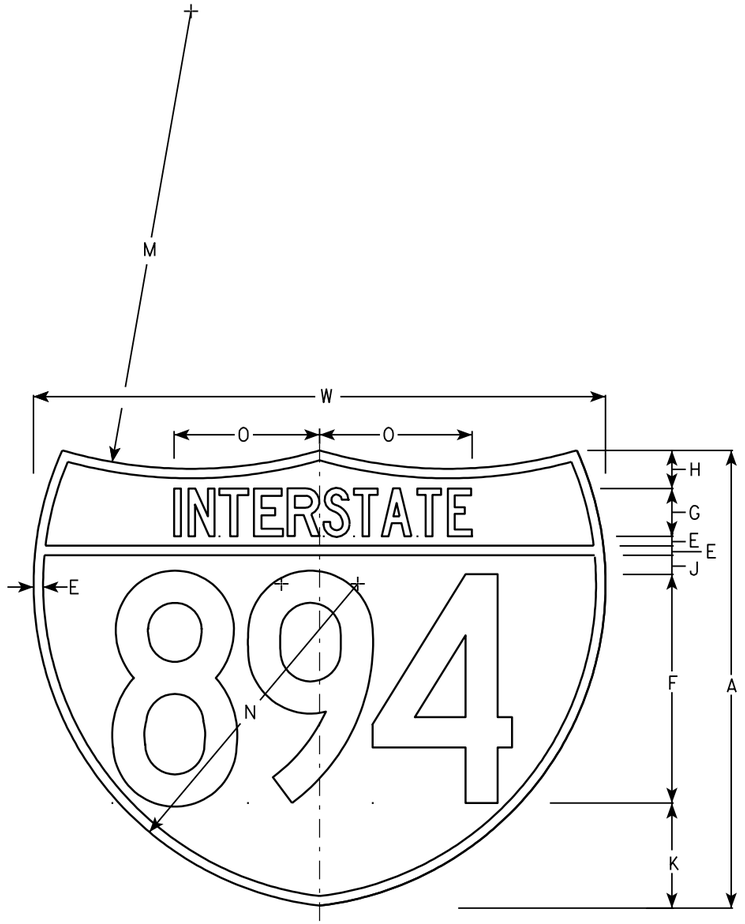
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 137	E



M1-1



M1-1A

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Top Red - Bottom Blue (See Note 6)
   Message - White - See Note 6
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C
6. Permanent Signs
   Message - Type H Reflective
   Detour or other temporary signs
   Background - Reflective
   Message - Reflective

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 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	M1-1 Area sq. ft.	M1-1A Area sq. ft.	M1-1 Area m2	M1-1A Area m2
1																													
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05

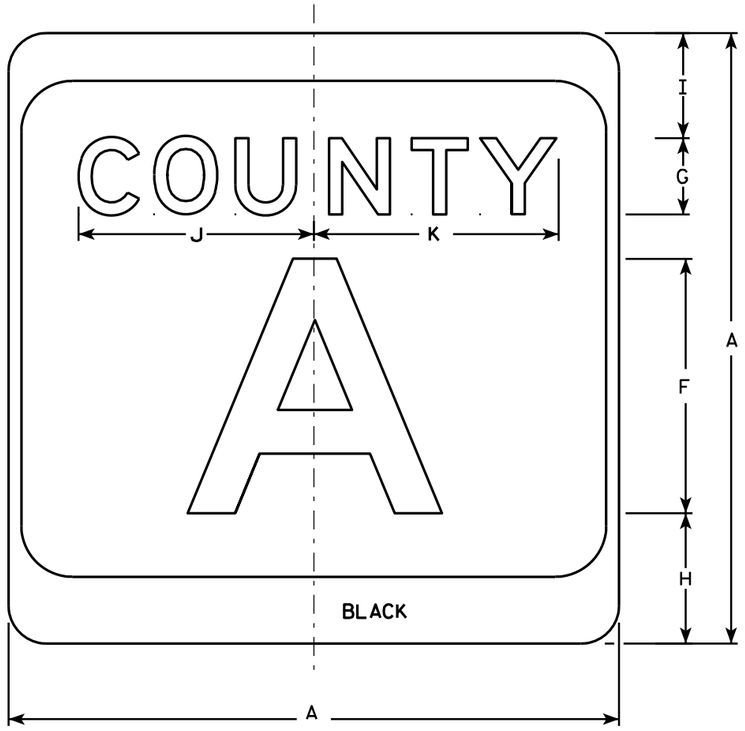
INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

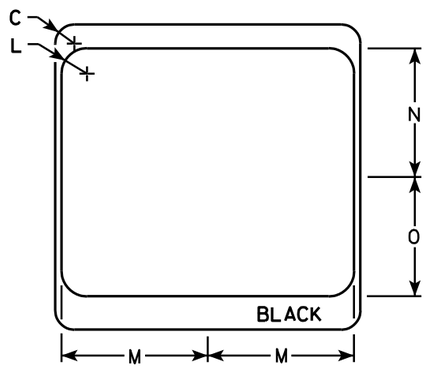
APPROVED Matthew R Rauch
for State Traffic Engineer

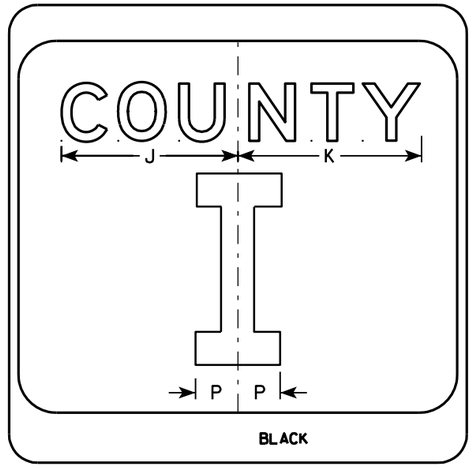
DATE 08/23/05 PLATE NO. M1-1.8

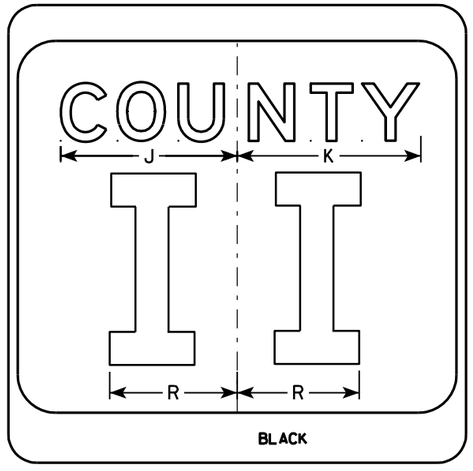
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 138	E



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

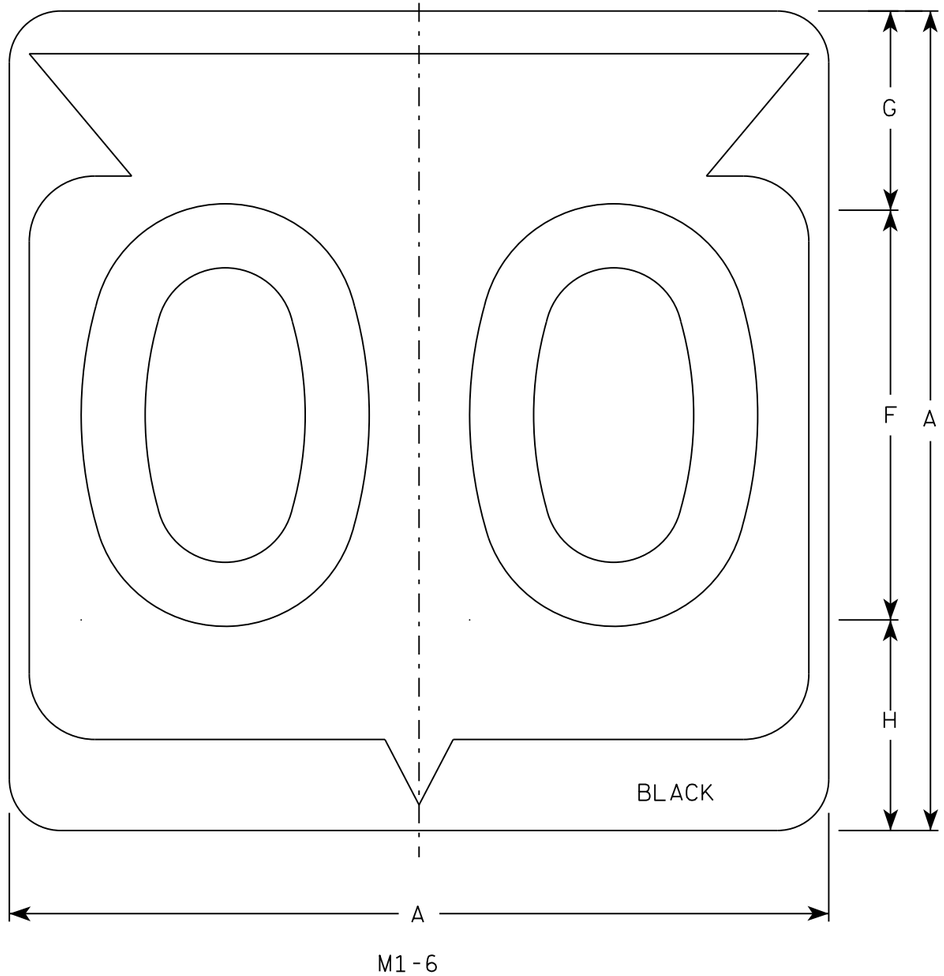
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

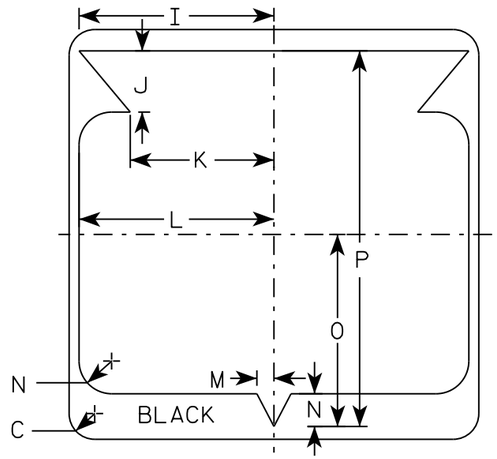
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 139	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs 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																											
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
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
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
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

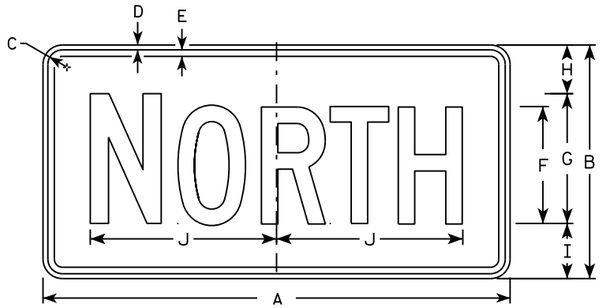
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

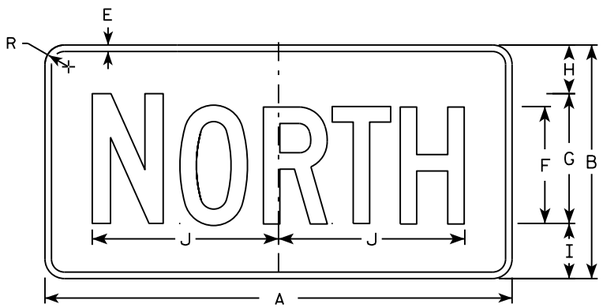
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

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



M3-1
MM3-1
MP3-1



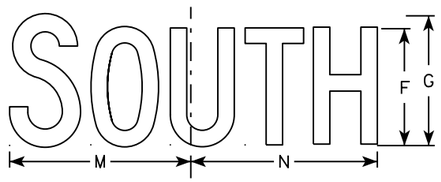
MB3-1
MK3-1
MN3-1



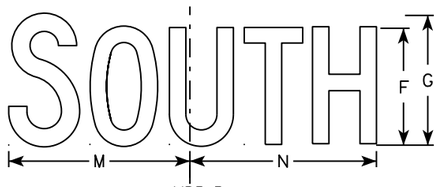
M3-2
MM3-2
MP3-2



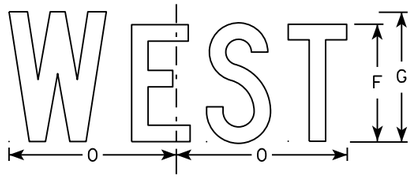
MB3-2
MK3-2
MN3-2



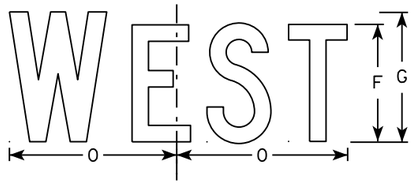
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
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
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
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

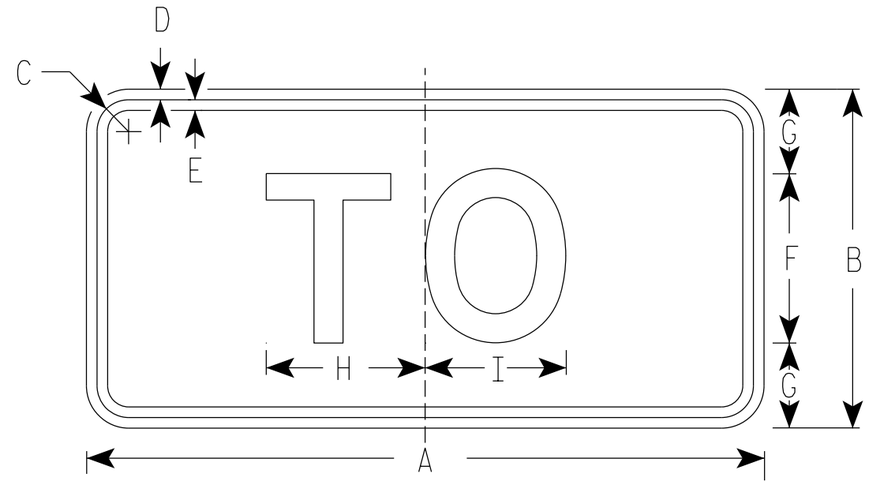
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

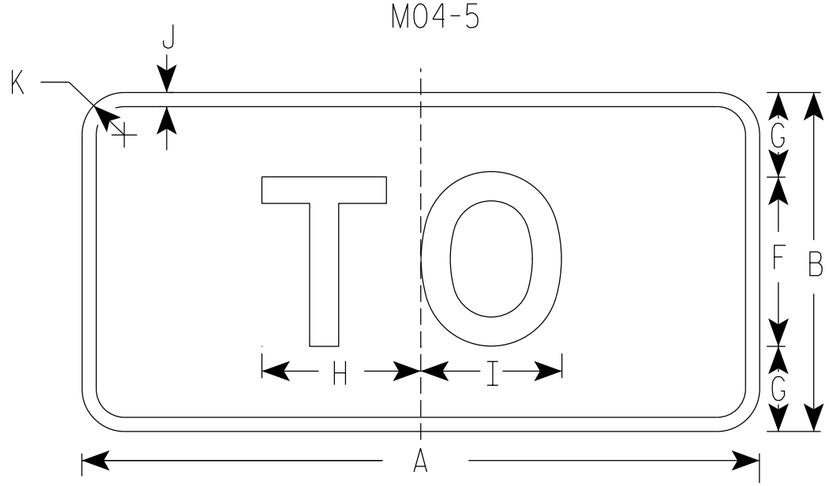
DATE 10/15/15 PLATE NO M3-1.14

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-5
MM4-5
MP4-5
M04-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
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. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

   M04-5 Background - Orange Type F Reflective
   Message - Black

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	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

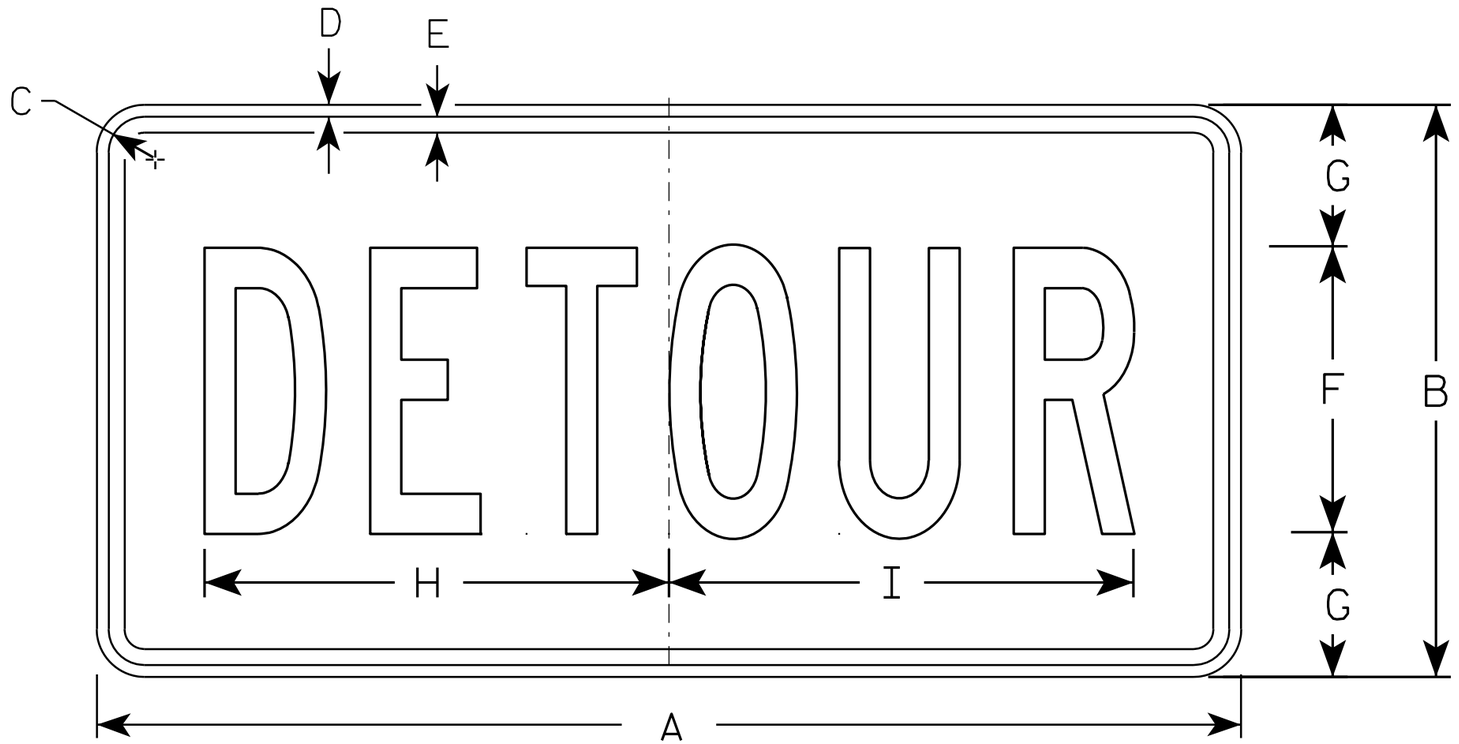
STANDARD SIGN
M4-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/7/19 PLATE NO. M4-5.9

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



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   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.

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	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

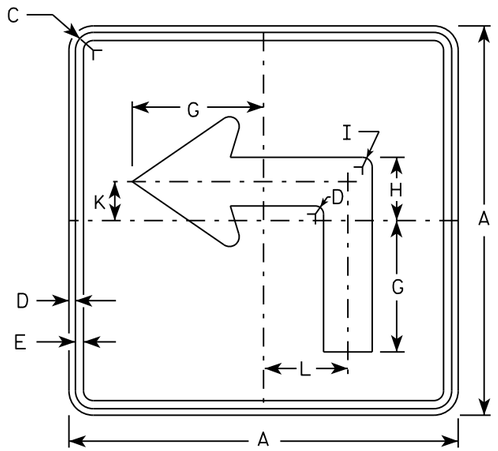
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

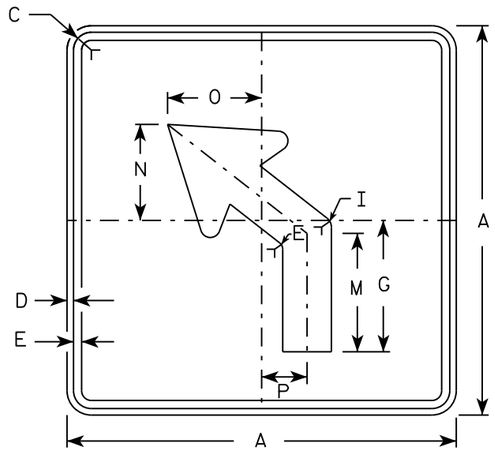
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

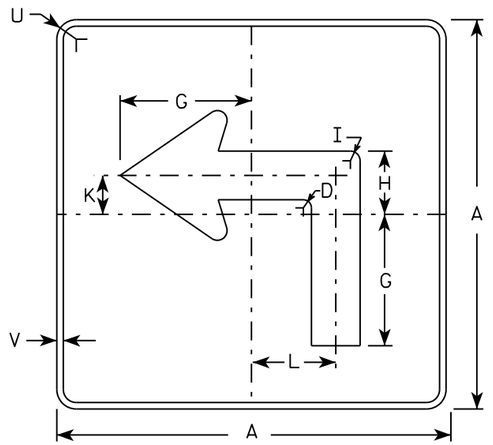
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 143	E



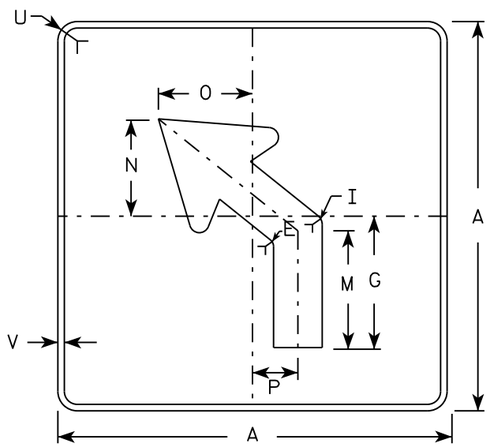
M5-1L
MM5-1L
MO5-1L
MP5-1L



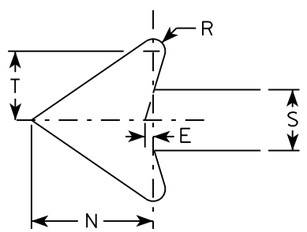
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
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. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts 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	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

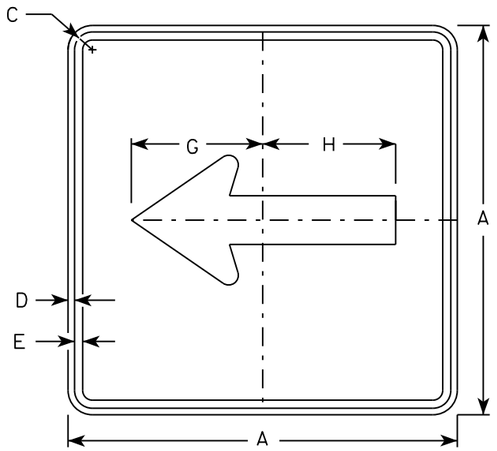
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

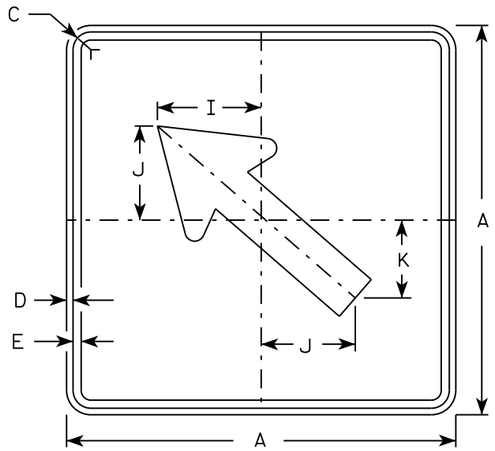
DATE 10/15/15 PLATE NO. M5-1.13

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



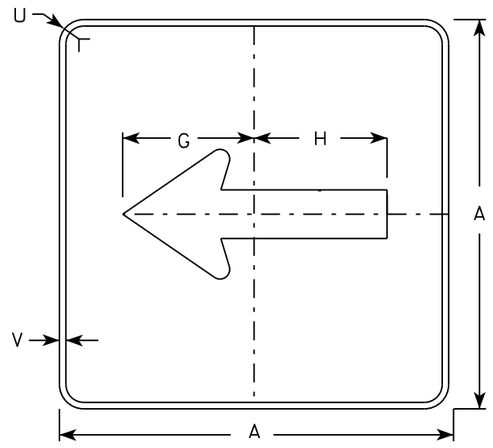
M6-1
MM6-1
MO6-1
MP6-1



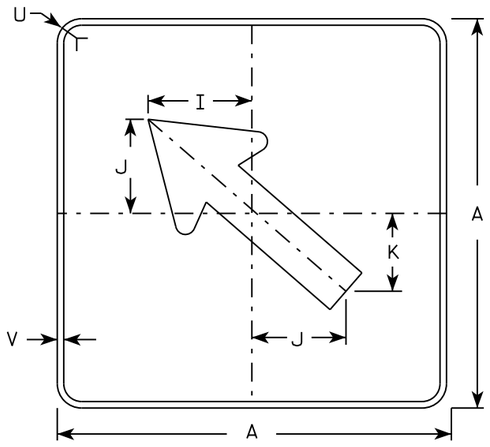
M6-2
MM6-2
MO6-2
MP6-2

NOTES

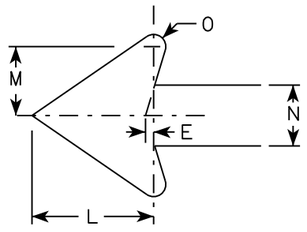
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



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

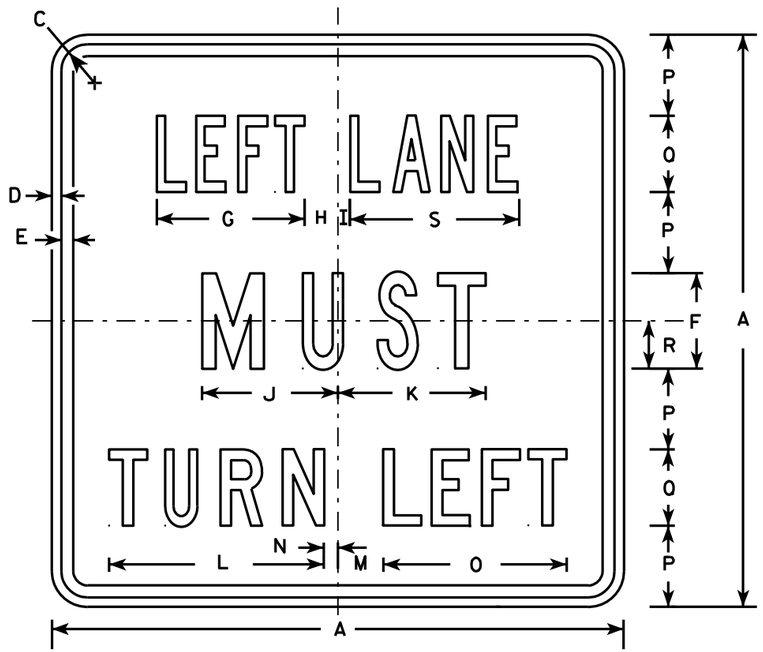
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

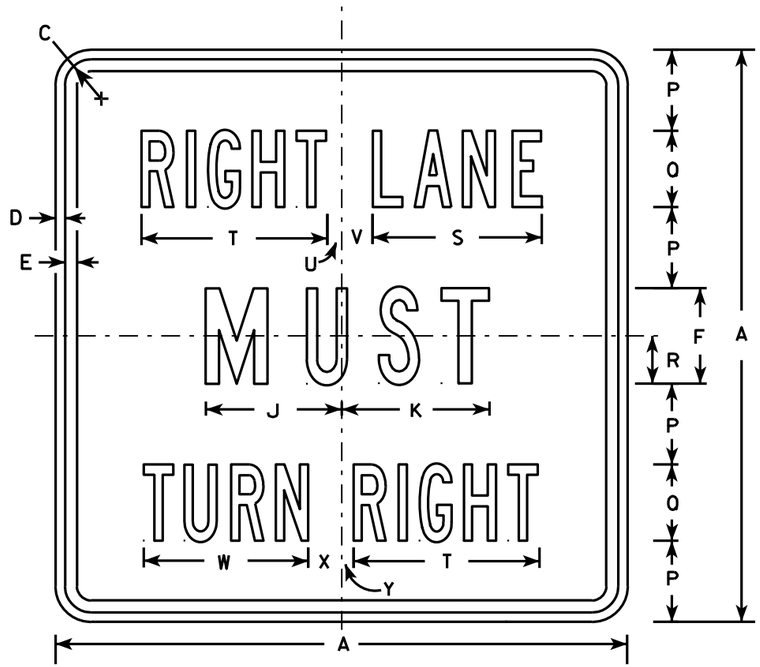
DATE 10/15/15 PLATE 145 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



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																											

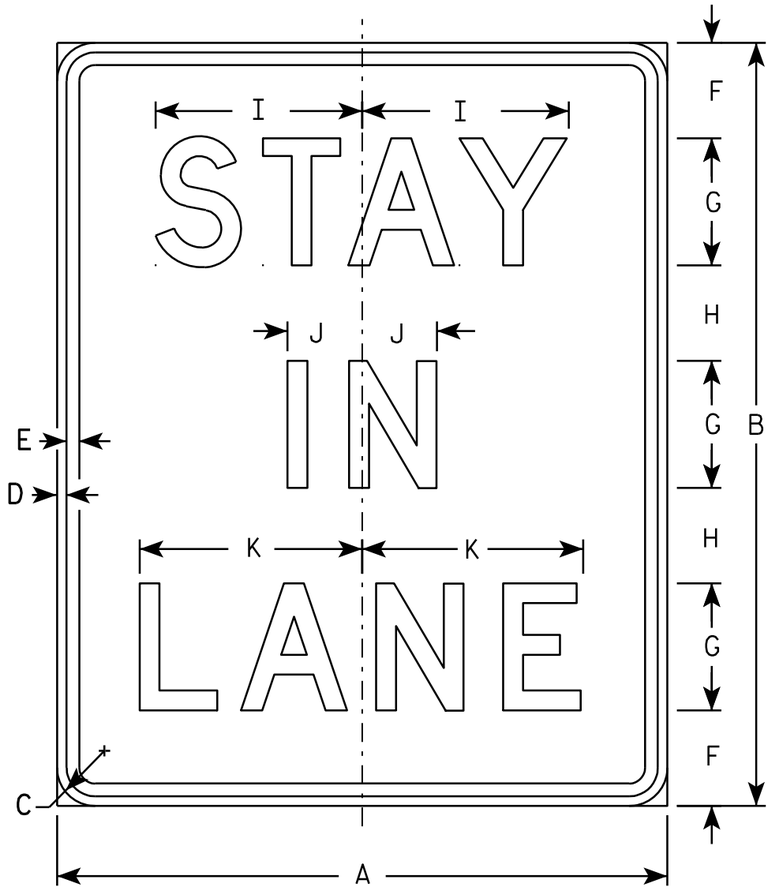
STANDARD SIGN
R3-7L & R3-7R

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: 146 | E



R4-9

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	18	24	1 1/8	3/8	3/8	3	4	3	6 1/2	2 3/8	7																3.0
2S	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
2M	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
3	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
4	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
5	48	60	2 1/4	3/4	1	7 1/2	10	7 1/2	16 1/4	5 7/8	17 1/2																20.0

STANDARD SIGN
R4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-9.2

PROJECT NO:

SHEET NO: 147 E



R4-11

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   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																											
2S	30		1 3/8	1/2	5/8	4	3 1/8	10	2 1/2	3 7/8	8 5/8	8 3/4	8 1/2	1 1/4	1 3/4	7 7/8		10 3/8	2	1	11 1/4						6.25
2M	30		1 3/8	1/2	5/8	4	3 1/8	10	2 1/2	3 7/8	8 5/8	8 3/4	8 1/2	1 1/4	1 3/4	7 7/8		10 3/8	2	1	11 1/4						6.25
3																											
4																											
5																											

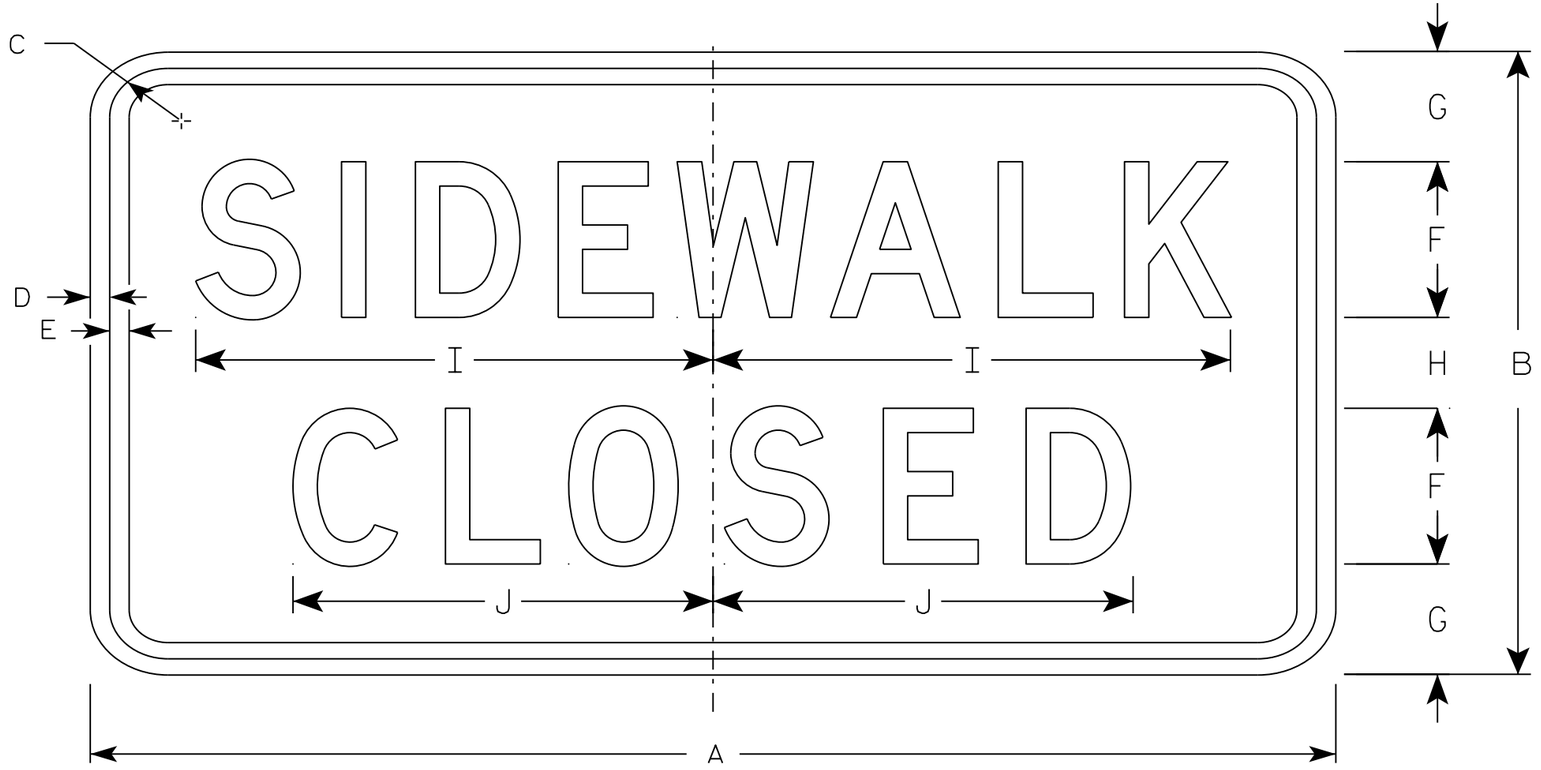
STANDARD SIGN
R4-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/16/15 PLATE R4-11.1

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



R9-9

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 - 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. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

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	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

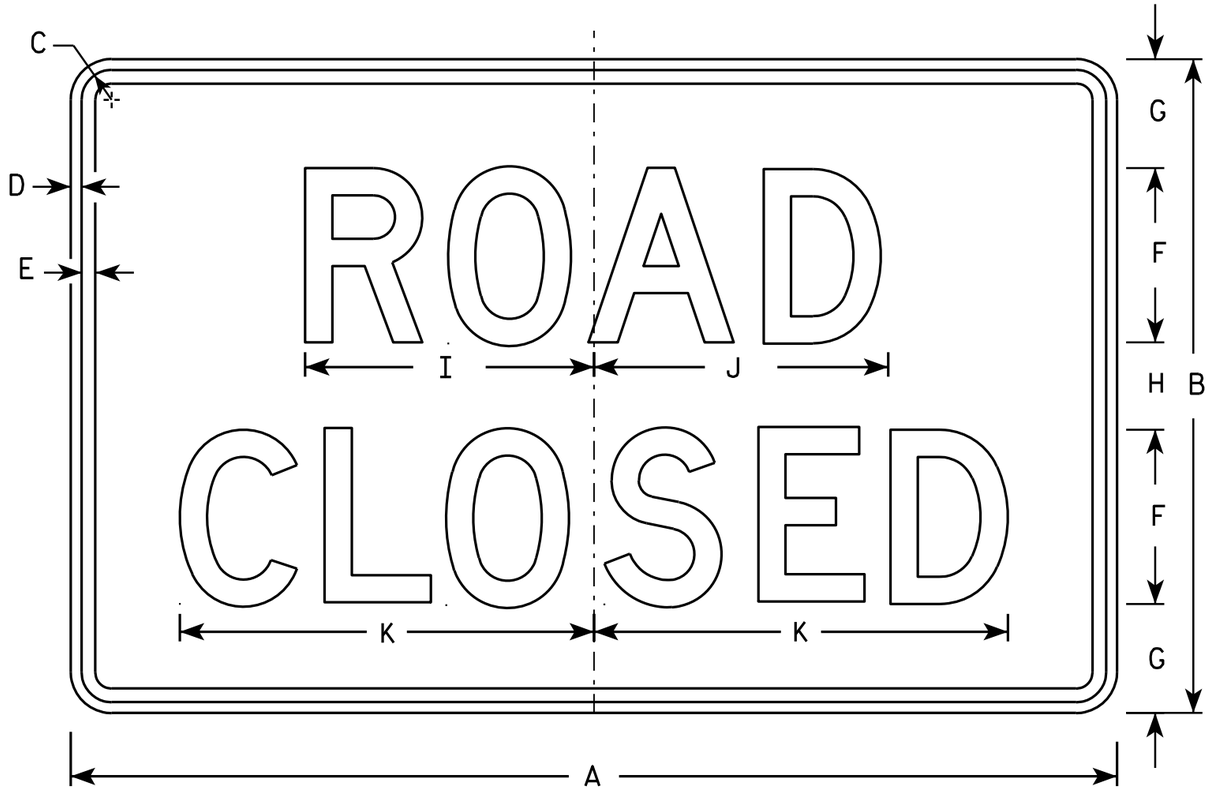
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 149 R9-9.6

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

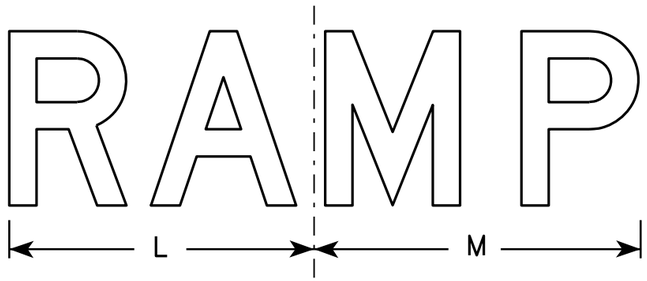
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



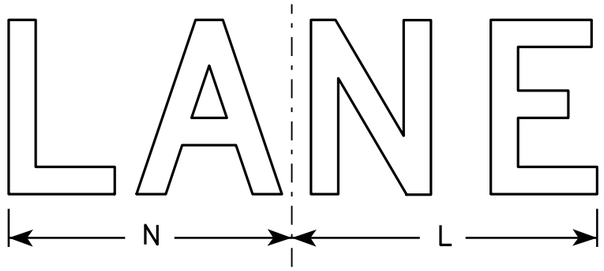
R11-2

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 - 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. Modify the message as required.



R11-2R



R11-2L

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	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

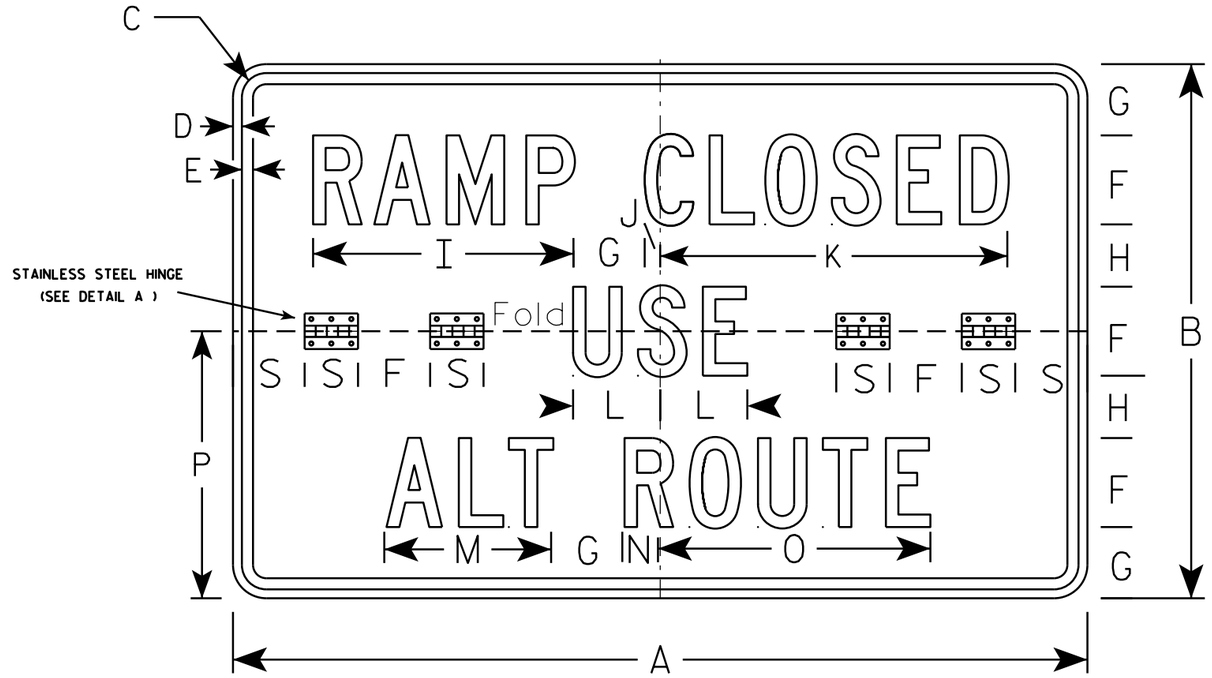
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

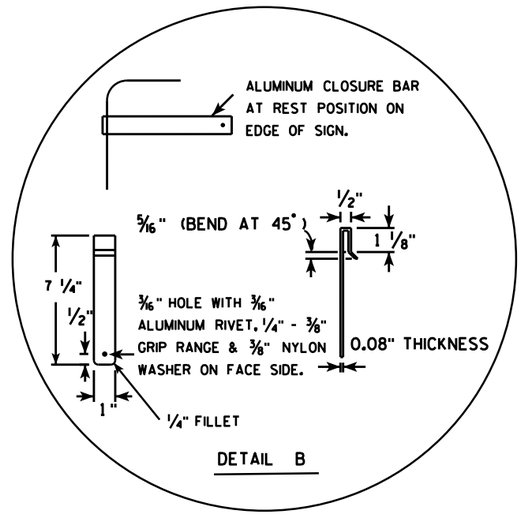
DATE 4/1/11 PLATE NO. R11-2.10

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



R11-54F

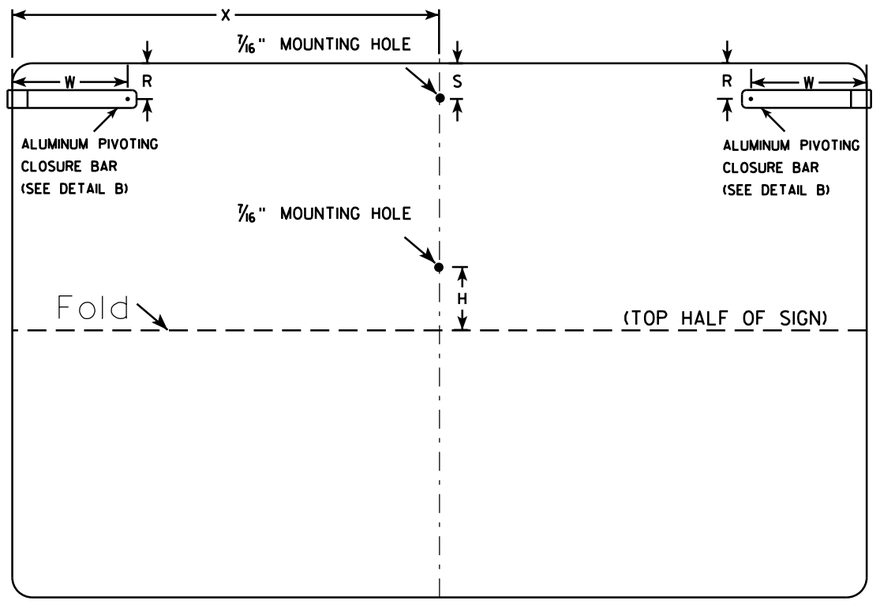
DETAIL A



DETAIL B

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - C
4. Sign Base Material shall be aluminum, corners and borders shall be rounded.
5. All hardware used on the folding sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.
6. Refer to plate A5-3A for sign blank layout.



(BACK VIEW)

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	48	30	1 3/8	1/2	5/8	5	4	3 1/2	14 5/8	7/8	19 1/2	4 7/8	9 3/8	2	15 1/4	15		2	3	2 5/8	1 1/4	11/16	6 1/2	24			10.0
2M	48	30	1 3/8	1/2	5/8	5	4	3 1/2	14 5/8	7/8	19 1/2	4 7/8	9 3/8	2	15 1/4	15		2	3	2 5/8	1 1/4	11/16	6 1/2	24			10.0
3																											
4																											
5																											

STANDARD SIGN
R11-54F

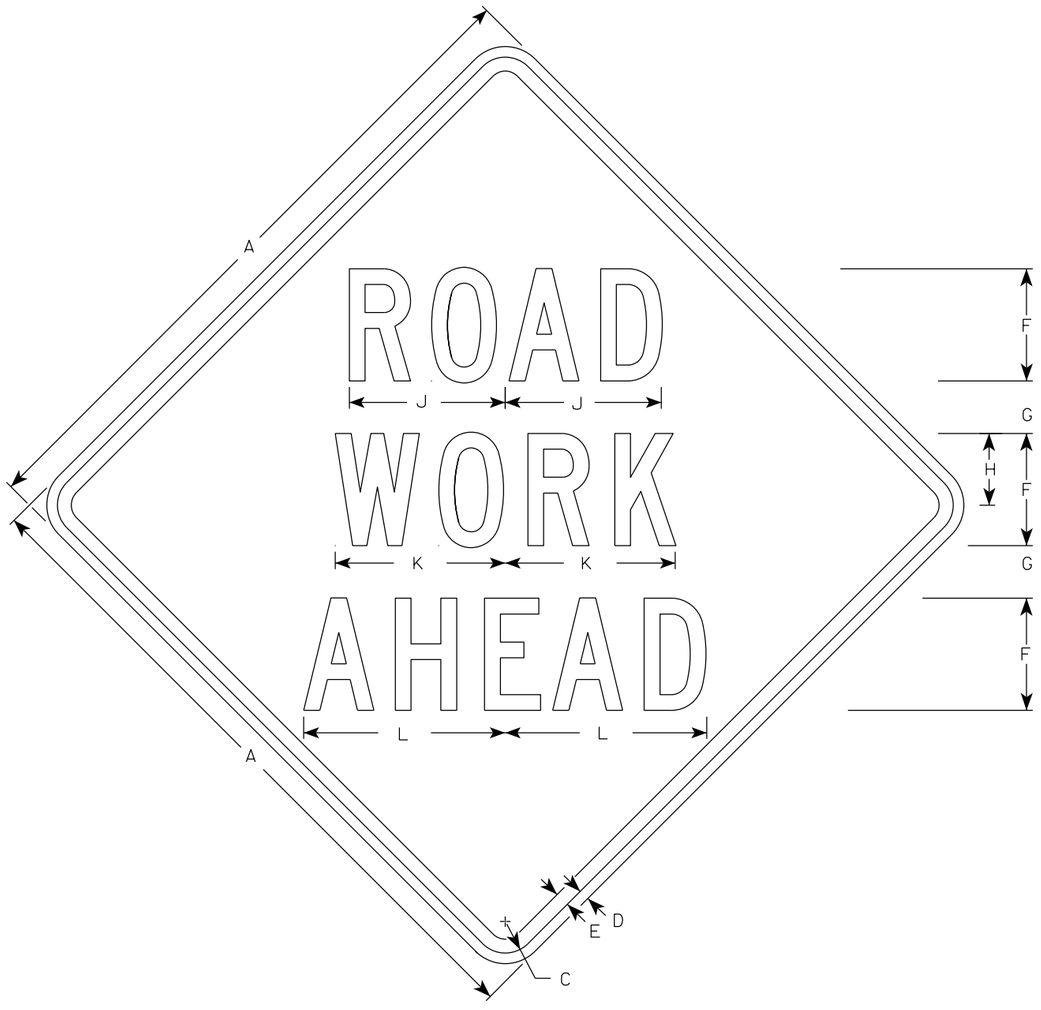
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

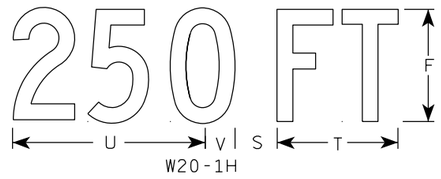
DATE 5/28/14 PLATE R11-54F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

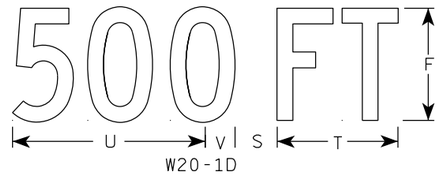
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R1154F.DGN PLOT DATE : 28-MAY-2014 14:15 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 8.511110:1.000000
WISDOT/CADDS SHEET 42



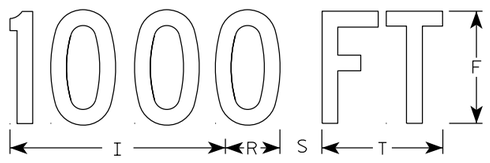
W20-1A



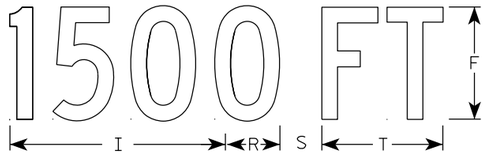
W20-1H



W20-1D



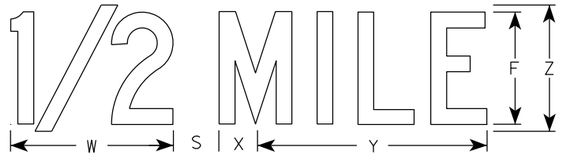
W20-1C



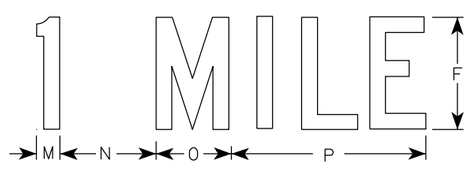
W20-1B

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   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.



W20-1G



W20-1F



W20-1E

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	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

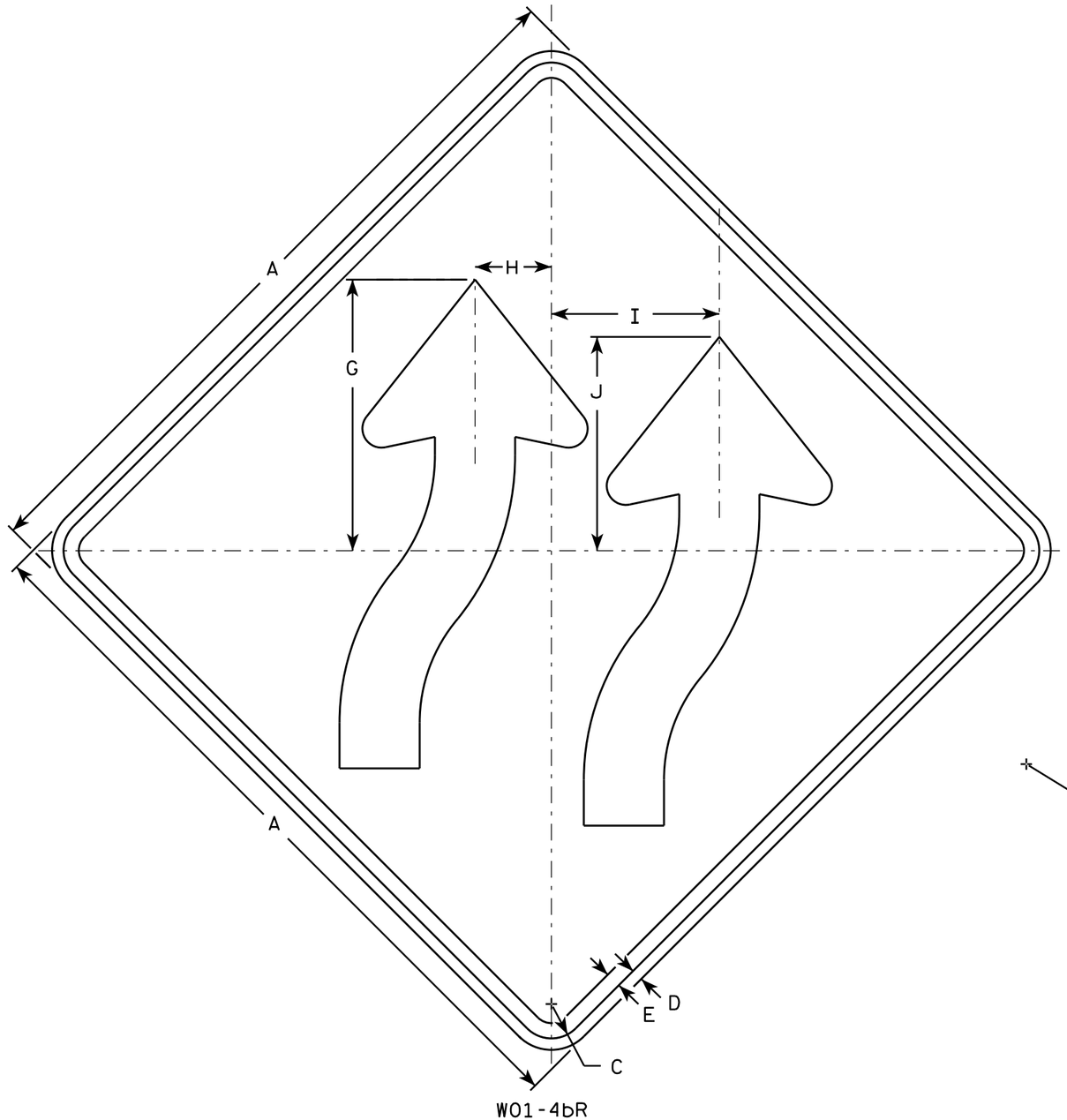
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

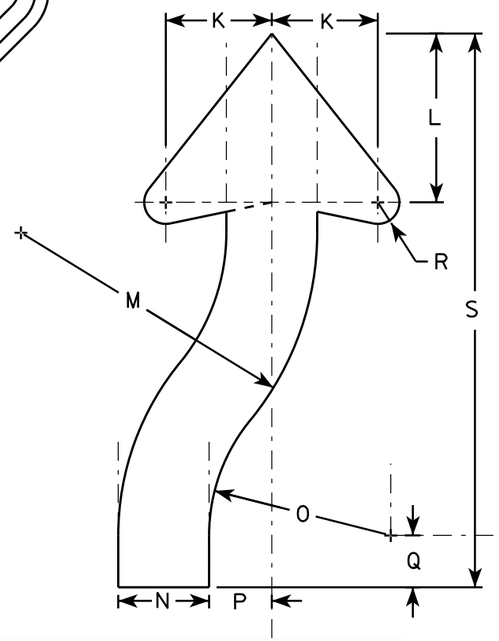
DATE 9/25/19 PLATE NO. W20-1.11

PROJECT NO:

SHEET NO: 152 E



W01-4bR



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   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. W01-4bL is the same as W014-bR exept arrows are 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	36		1 5/8	5/8	3/4		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

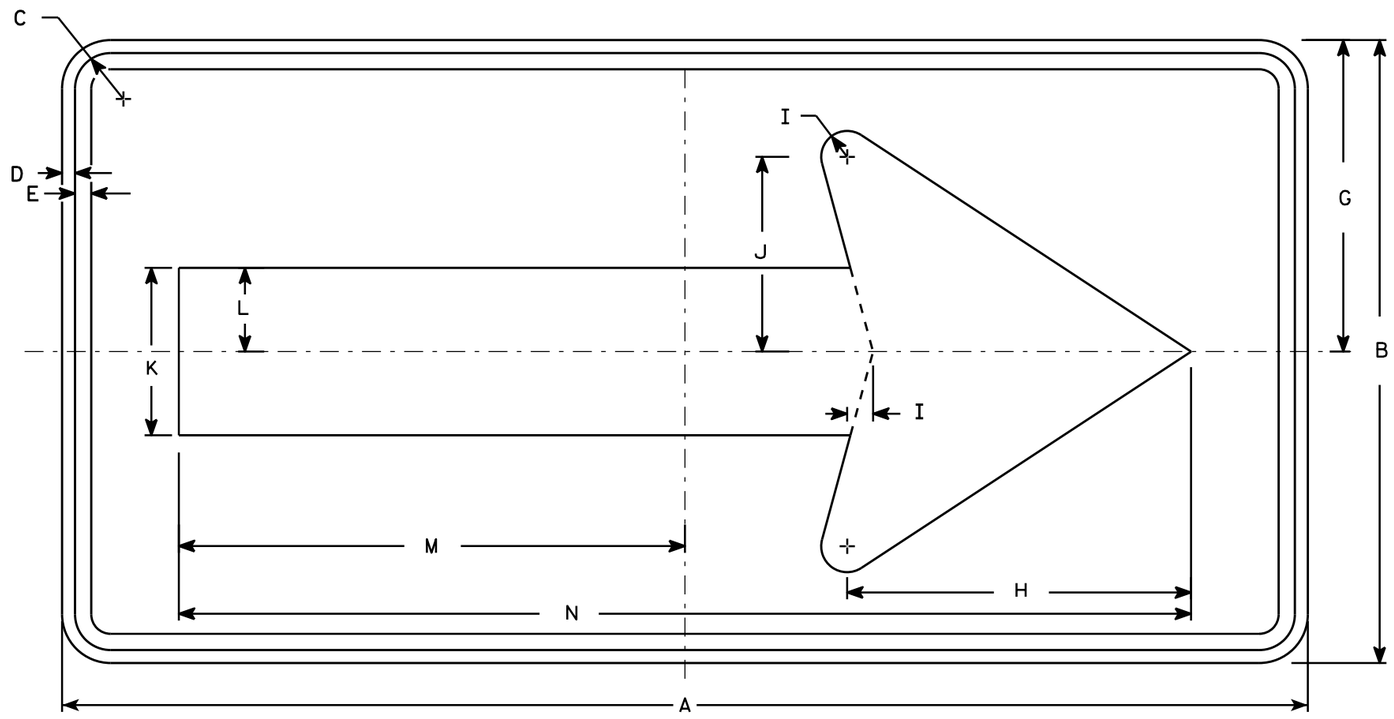
STANDARD SIGN
W01-4b

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-4b.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   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																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

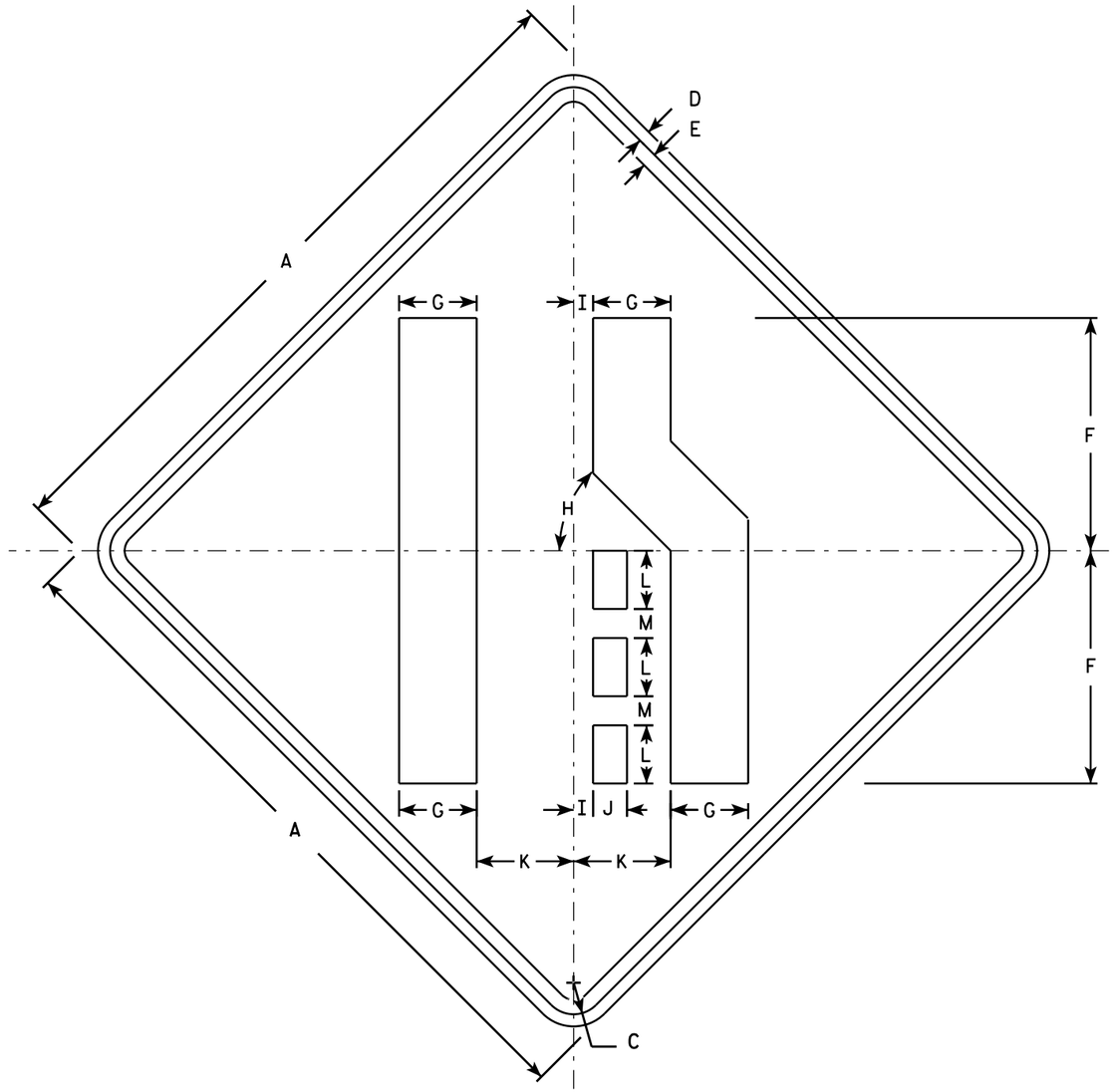
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   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. W04-2L is the same as W04-2R 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	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	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
2M	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
3	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
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

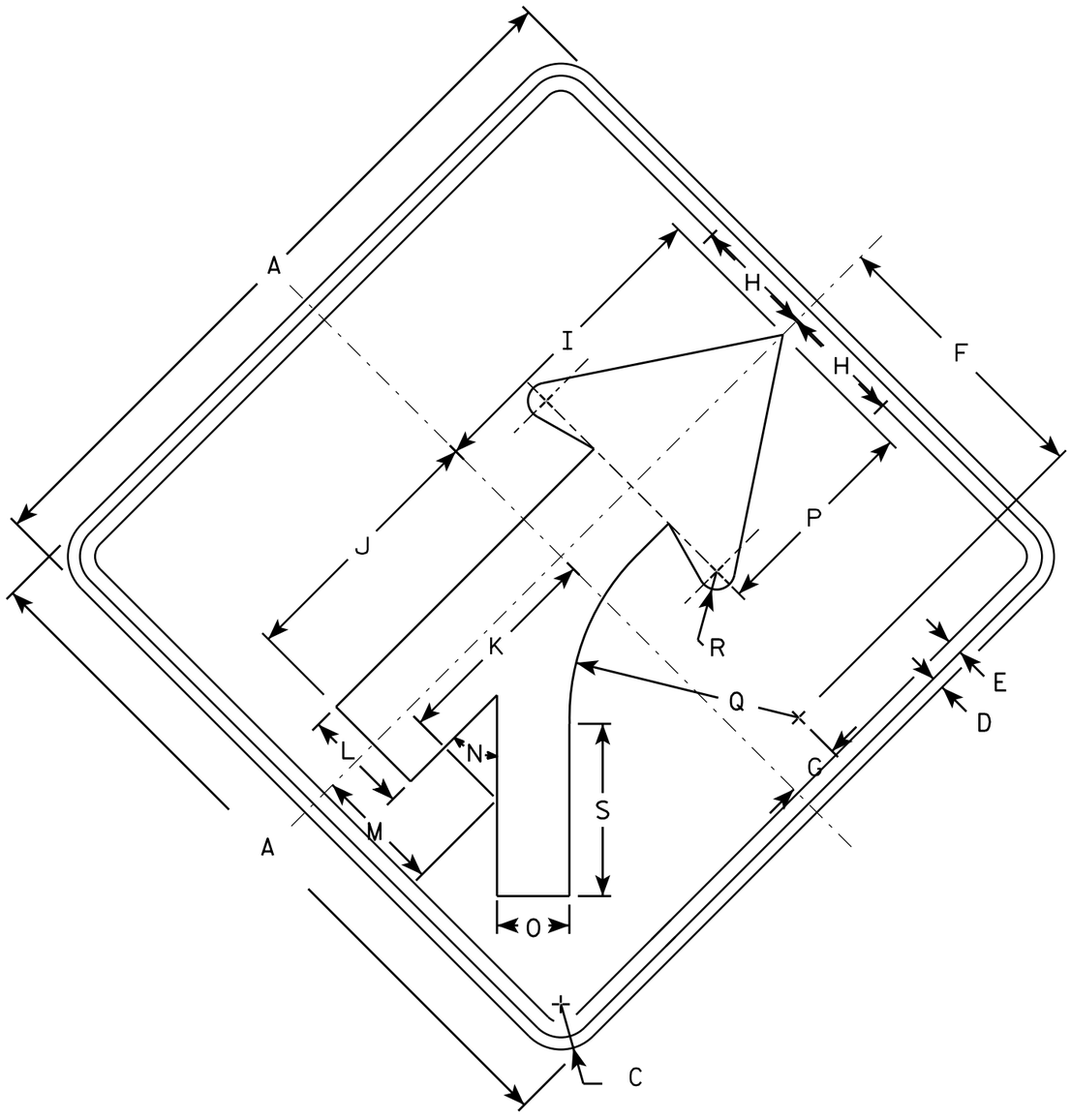
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 155 W04-2.1

PROJECT NO: | SHEET NO: E



W04-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   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	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	8 1/2								9.0
2S	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	11 3/8								16.0
2M	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	11 3/8								16.0
3	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	11 3/8								16.0
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	11 3/8								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	11 3/8								16.0

STANDARD SIGN
W04-5

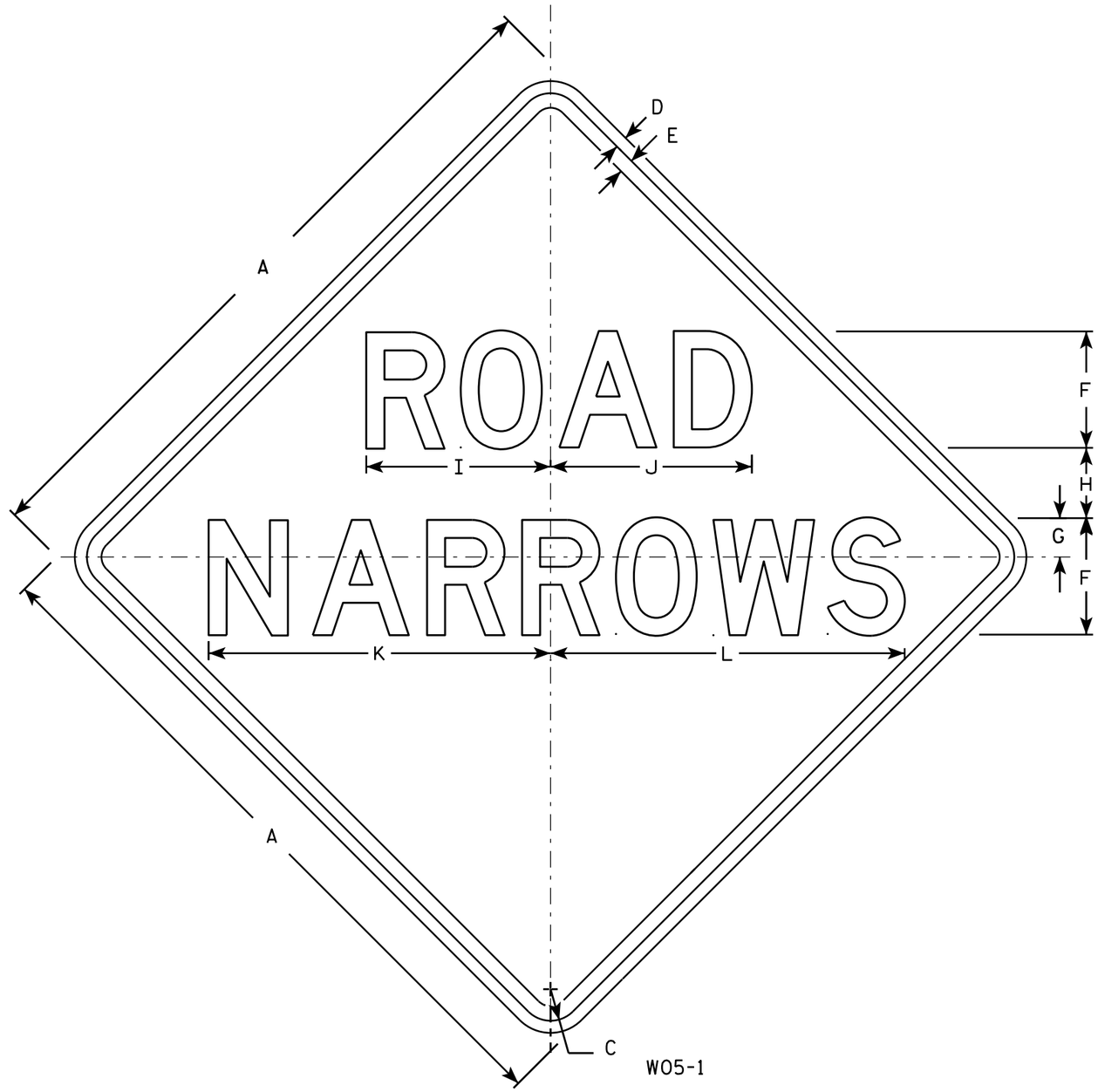
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/28/16 PLATE NO W04-5.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W045.DGN PLOT DATE : 28-APR-2016 13:30 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.080757:1.000000 WISDOT/CADDS SHEET 42



W05-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   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	36		1 5/8	5/8	3/4	6	2	3 1/2	9 1/2	10 3/8	17 5/8	18 1/4															9.0
2S	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
2M	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
3	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
4	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
5	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0

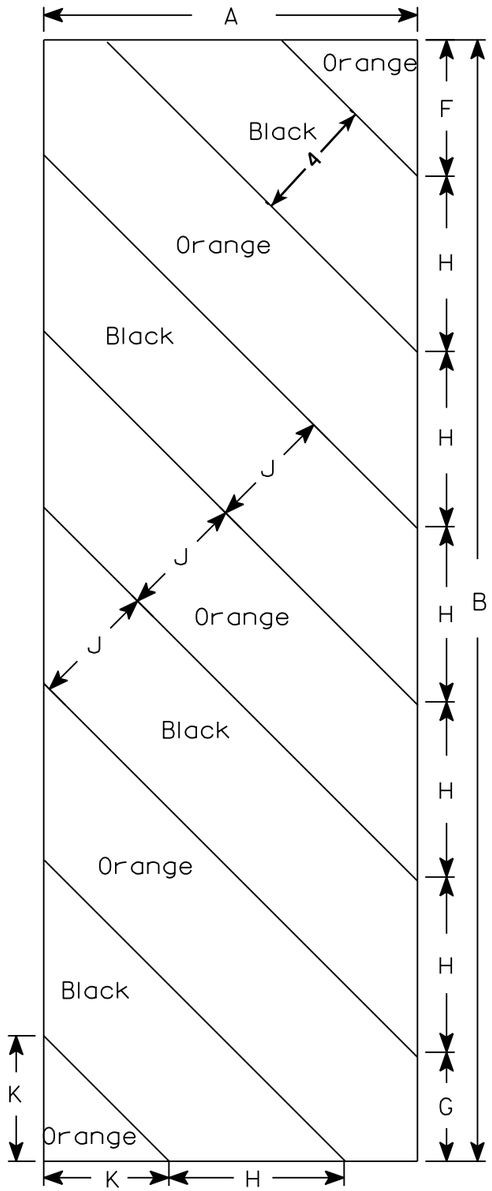
STANDARD SIGN
W05-1

WISCONSIN DEPT OF TRANSPORTATION

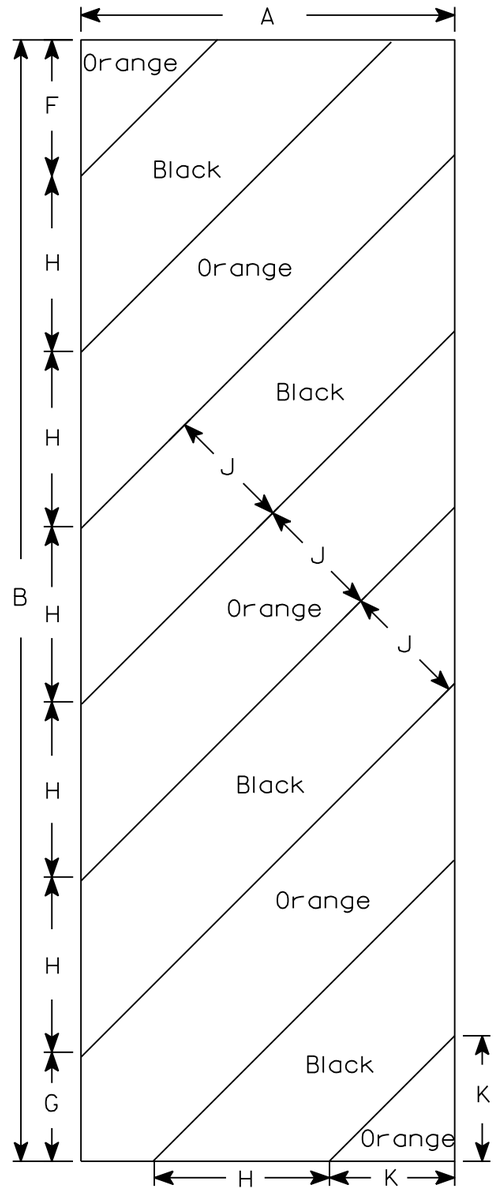
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO. W05-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W05-52L



W05-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   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. Alternate colors of stripes as shown.

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	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

W05-52L & W05-52R

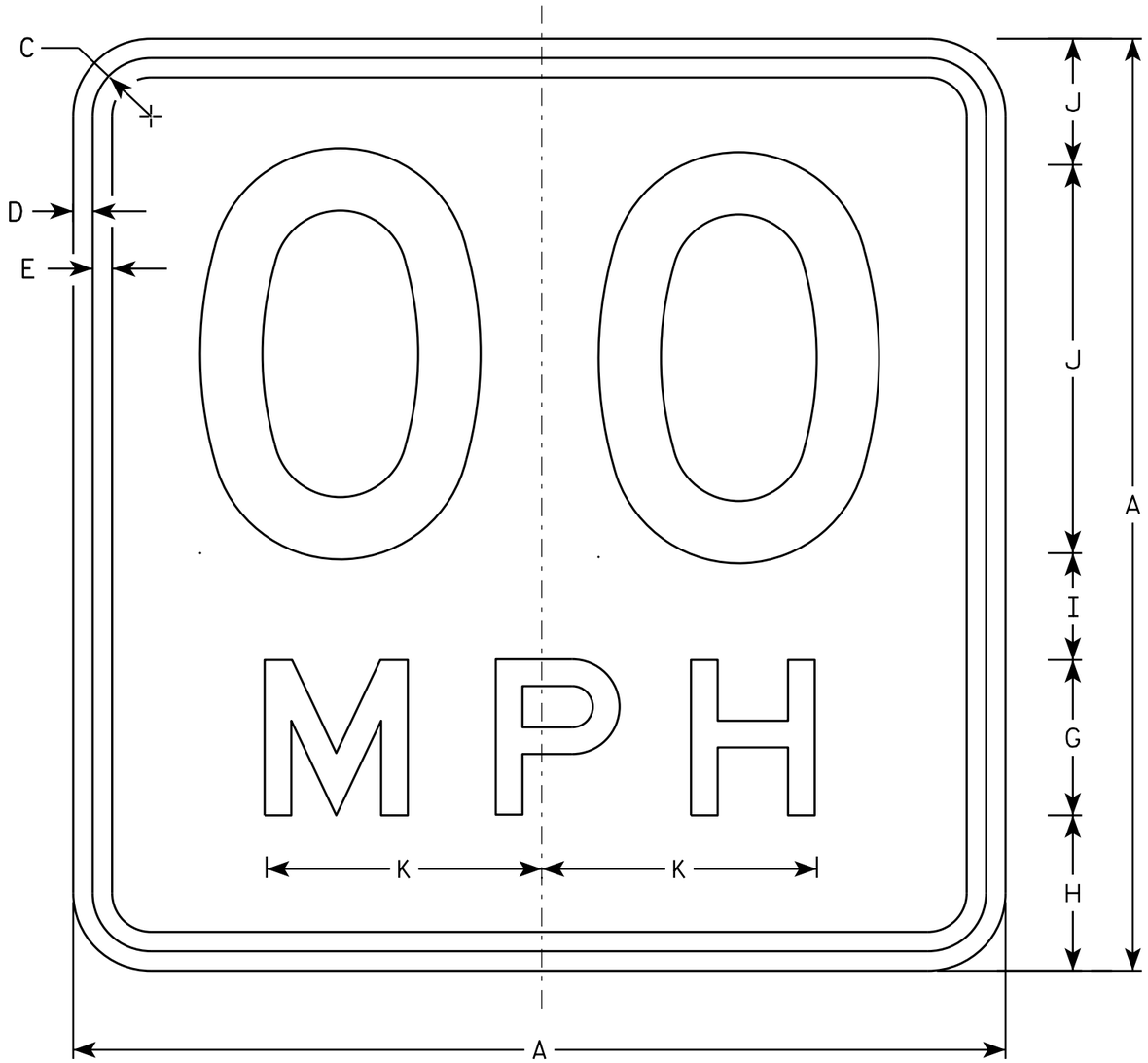
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W05-52.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W0552.DGN PLOT DATE : 28-FEB-2014 11:39 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 4.864607:1.000000 WISDOT/CADDS SHEET 42



W013-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
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. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

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	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN
W013-1

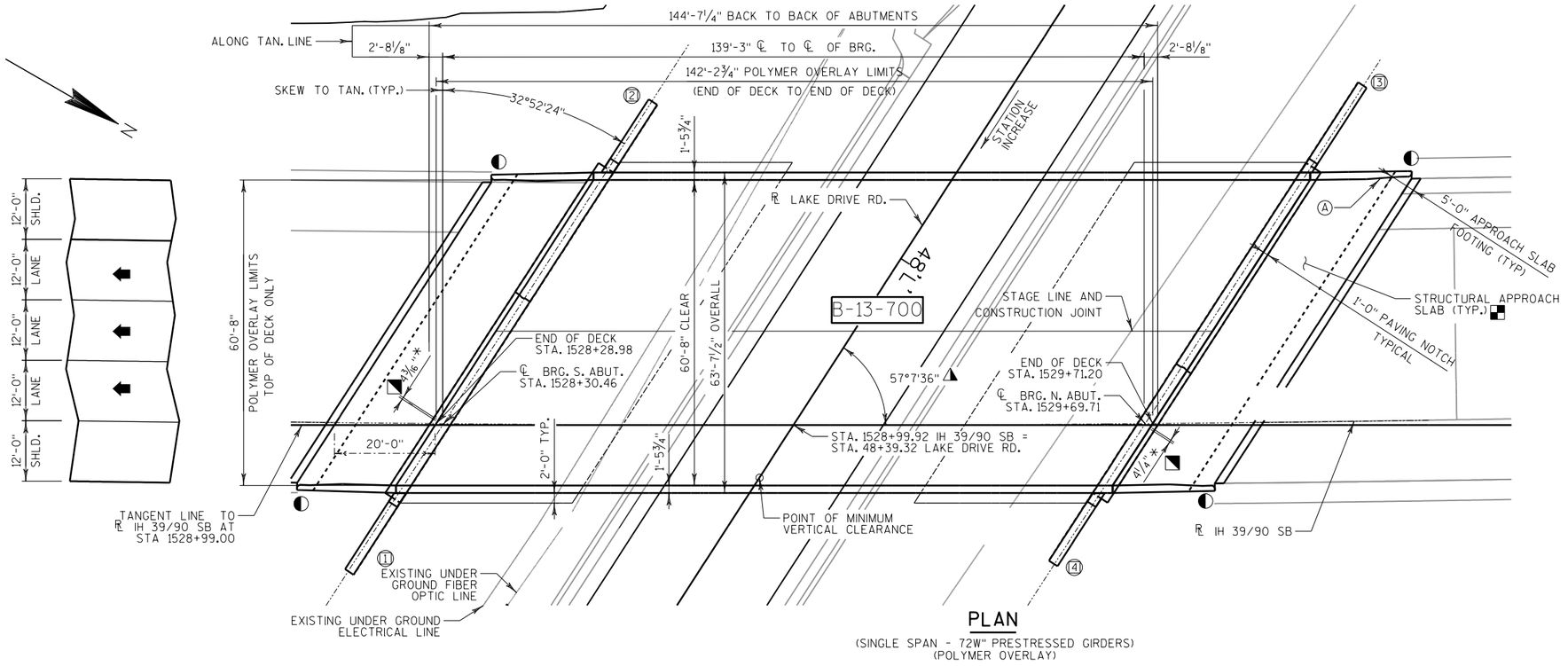
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/13 PLATE 159 W013-1.1

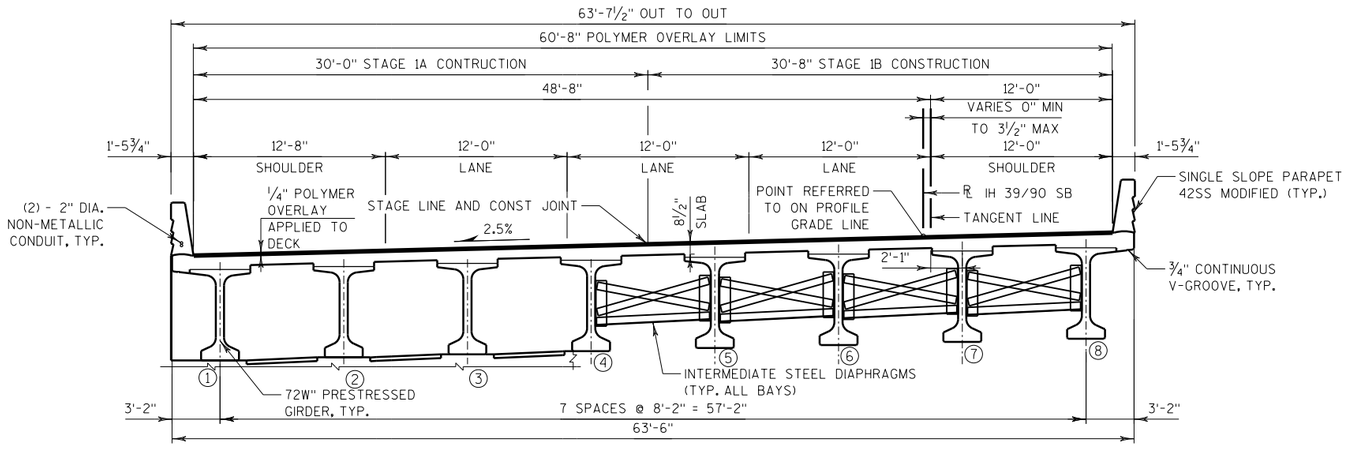
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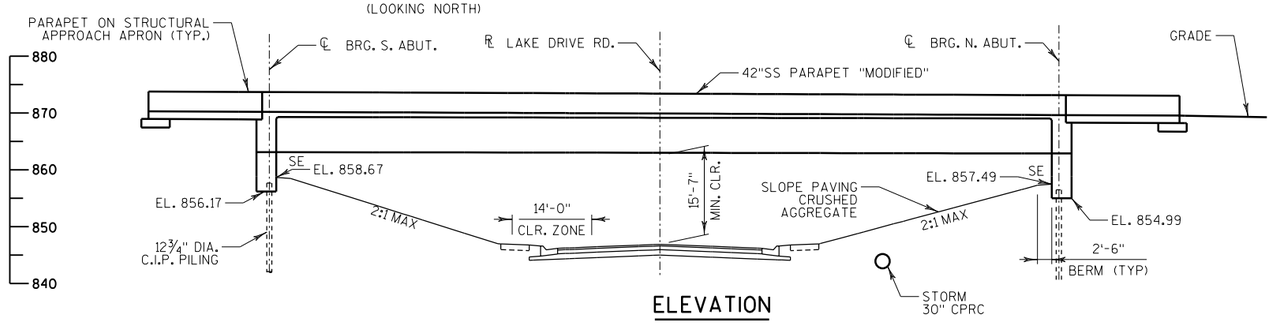
PLAN

(SINGLE SPAN - 72W" PRESTRESSED GIRDERS)
(POLYMER OVERLAY)



TYPICAL SECTION THRU IH 39/90 SB

(LOOKING NORTH)



ELEVATION

(LOOKING WEST)

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.34
OPERATING RATING: RF = 2.22
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

STRUCTURE RATING INCLUDES 5 PSF POLYMER OVERLAY

TRAFFIC DATA

LAKE DRIVE RD.	I.H. 39/90
A.D.T. = 2,800 (2020)	A.D.T. = 56,650 (2020)
A.D.T. = 3,600 (2040)	A.D.T. = 71,800 (2040)
R.D.S. = 50 M.P.H.	R.D.S. = 70 M.P.H.

GENERAL NOTES

Ⓐ NAME PLATE LOCATION

Ⓧ DENOTES WING NUMBER

◭ ANGLE BETWEEN TANGENT OF ℞ IH 39 SB AND ℞ LAKE DRIVE ROAD AT POINT OF INTERSECTION

◥ DISTANCE BETWEEN ℞ AND TANGENT MEASURED ALONG ℄ SUBSTRUCTURE UNIT

◐ ANCHOR ASSEMBLY FOR THRIE BEAM TYPE GUARDRAIL

◪ POLYMER OVERLAY IS NOT APPLIED TO APPROACH SLABS

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

SEE ROADWAY PLANS FOR TRAFFIC STAGING.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

CLEAN AND FILL EXISTING LONGITUDINAL AND TRANSVERSE CRACKS WITH PENETRATING EPOXY AS DIRECTED BY THE FIELD ENGINEER.

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF ¼" PLACED ABOVE THE FINAL DECK SURFACE AFTER ALL PREPARATION.

LIST OF DRAWINGS

1. GENERAL PLAN

TOTAL ESTIMATED QUANTITIES

509.5100.S POLYMER OVERLAY..... 960 SY

WISCONSIN
MICHAEL D. RADTKE
E-40967
ELM GROVE, WI
PROFESSIONAL ENGINEER
8/29/19

STATE PROJECT NUMBER
1001-10-81

NO.	DATE	REVISION	BY

emcs inc
1300 W. Canal Street, Suite 200
Milwaukee, WI 53233
414.347.1607 Fax 414.347.1347

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 11/14/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-700

IH 39/90 SB OVER LAKE DRIVE ROAD

COUNTY	TOWN
DANE	ALBION

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	MDR	DESIGN CK'D.	JRM	DRAWN BY	MDR	PLANS CK'D.	JRM

GENERAL PLAN

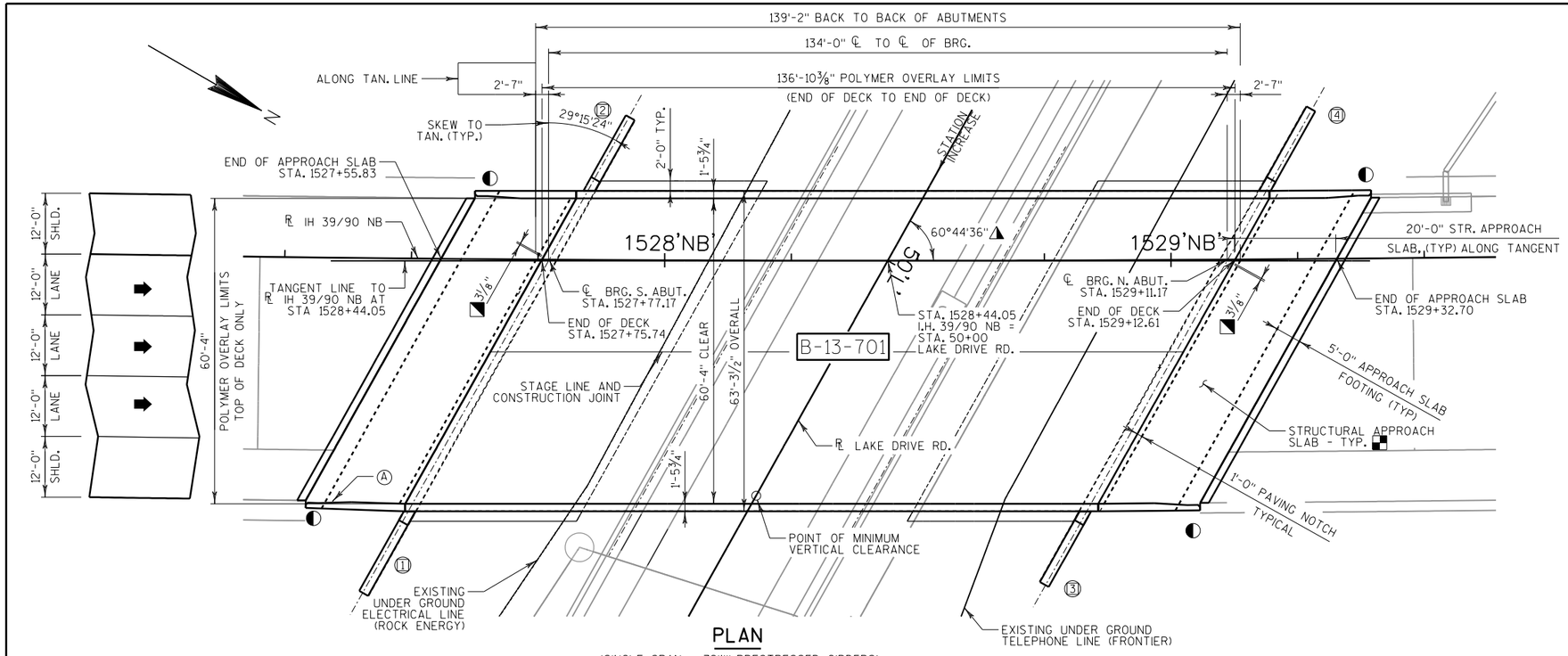
SHEET 1 OF 1
160

STRUCTURES DESIGN CONTACTS
BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MICHAEL D. RADTKE (414) 347-1607

8

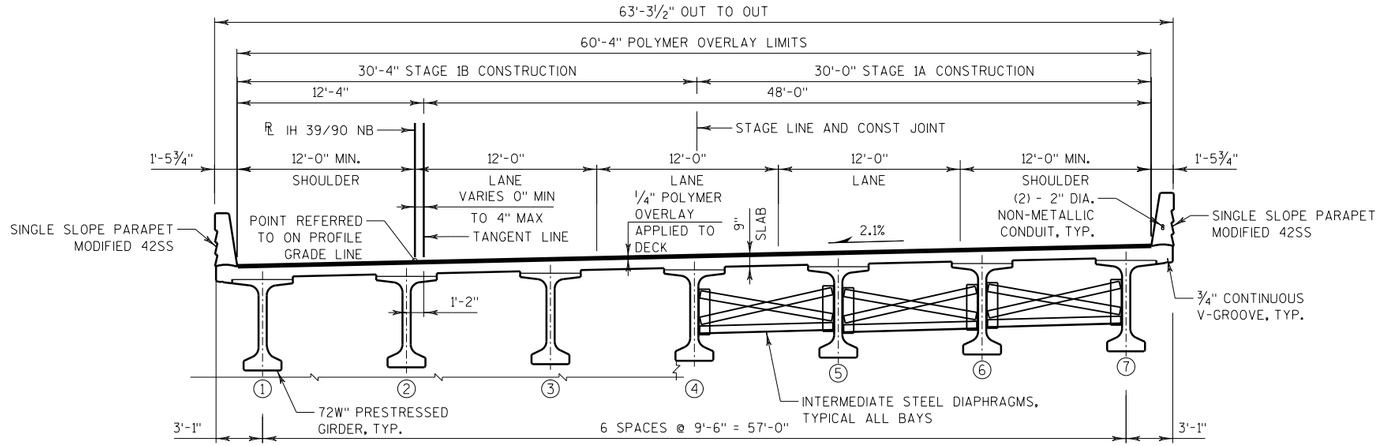
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FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\Polymer Overlay\SheetsPlan\080101_gp_B130700.dgn PLOT DATE : 8/15/2019 PLOT BY : kjd



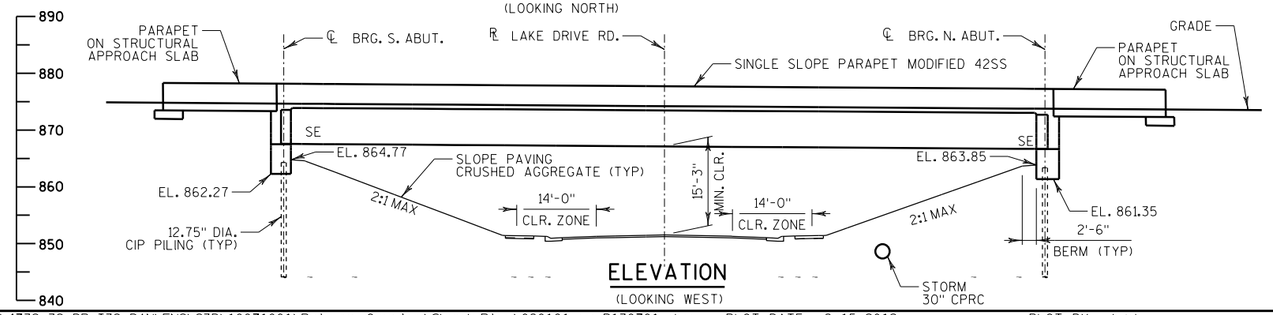
PLAN

(SINGLE SPAN - 72W" PRESTRESSED GIRDERS)
(POLYMER OVERLAY)



TYPICAL SECTION THRU IH 39/90 NB

(LOOKING NORTH)



ELEVATION

(LOOKING WEST)

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.29
OPERATING RATING: RF = 2.27
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

STRUCTURE RATING INCLUDES 5 PSF POLYMER OVERLAY

TRAFFIC DATA

LAKE DRIVE RD.

A.D.T. = 2,800 (2020)
A.D.T. = 3,600 (2040)
R.D.S. = 50 M.P.H.

IH 39/90

A.D.T. = 56,650 (2020)
A.D.T. = 70,300 (2040)
R.D.S. = 70 M.P.H.

GENERAL NOTES

Ⓐ NAME PLATE LOCATION

ⓧ DENOTES WING NUMBER

◭ ANGLE BETWEEN TANGENT OF ℞ IH 39 NB AND ℞ LAKE DRIVE ROAD AT POINT OF INTERSECTION

◥ DISTANCE BETWEEN ℞ AND TANGENT MEASURED ALONG ℄ SUBSTRUCTURE UNIT

◐ ANCHOR ASSEMBLY FOR THRIE BEAM TYPE GUARDRAIL

◪ POLYMER OVERLAY IS NOT APPLIED TO APPROACH SLABS

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

SEE ROADWAY PLANS FOR TRAFFIC STAGING.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

CLEAN AND FILL EXISTING LONGITUDINAL AND TRANSVERSE CRACKS WITH PENETRATING EPOXY AS DIRECTED BY THE FIELD ENGINEER.

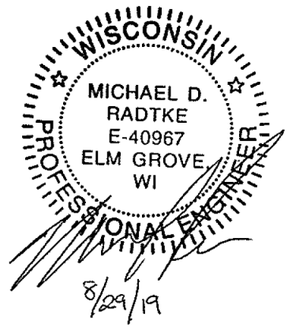
PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF ¼" PLACED ABOVE THE FINAL DECK SURFACE AFTER ALL PREPARATION.

LIST OF DRAWINGS

1. GENERAL PLAN

TOTAL ESTIMATED QUANTITIES

509.5100.S POLYMER OVERLAY..... 920 SY



STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MICHAEL D. RADTKE (414) 347-1607

NO.	DATE	REVISION	BY

emcs inc
1300 W. Canal Street, Suite 200
Milwaukee, WI 53233
414.347.1607 Fax 414.347.1347

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 11/14/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STATE PROJECT NUMBER
1001-10-81

STRUCTURE B-13-701

IH 39/90 NB OVER LAKE DRIVE ROAD

COUNTY	TOWN
DANE	ALBION

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MDR	JRM	MDR	JRM

GENERAL PLAN

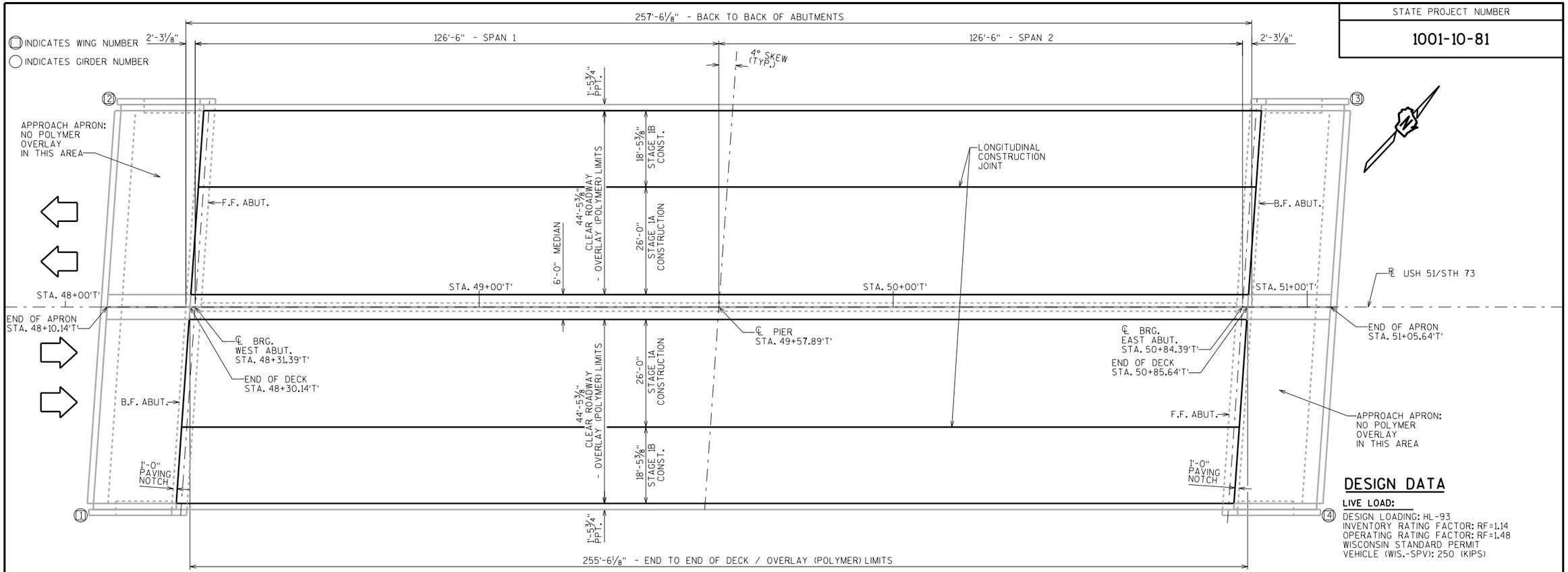
SHEET 1 OF 1
161

8

8

STATE PROJECT NUMBER

1001-10-81



PLAN

DIRECTION OF TRAFFIC

NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

DESIGN DATA

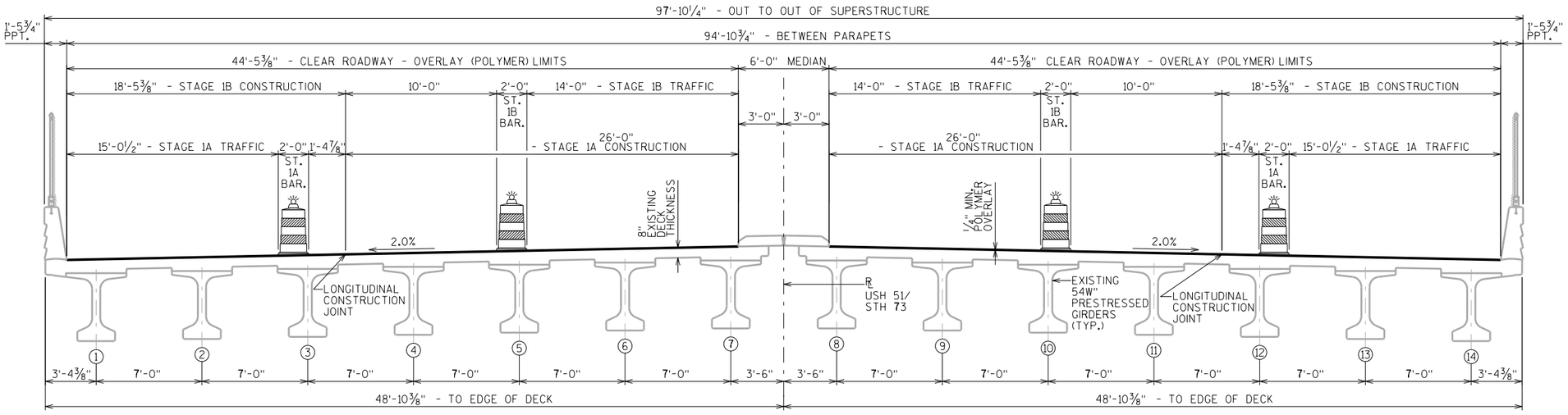
LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.14
OPERATING RATING FACTOR: RF=1.48
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE RATING INCLUDES 5 PSF FOR POLYMER OVERLAY.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	2524



TYPICAL CROSS SECTION THRU BRIDGE LOOKING EAST

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURE DESIGN CONTACTS:

STACIE WEIS (608) 261-6109
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 10/31/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-702

USH 51/STH 73 OVER IH 39/90 NB & SB

COUNTY: DANE | TOWN: ALBION

DESIGN SPEC. REHABILITATION: N/A

DESIGNED BY: SEW | DESIGNED CK'D.: JJS | DRAWN BY: JPH | PLANS CK'D.: JJS

POLYMER OVERLAY

SHEET 1 OF 1

162

I.D. 1007-10-01BP

DATE: AUG. 2019

SCALE = 12.00

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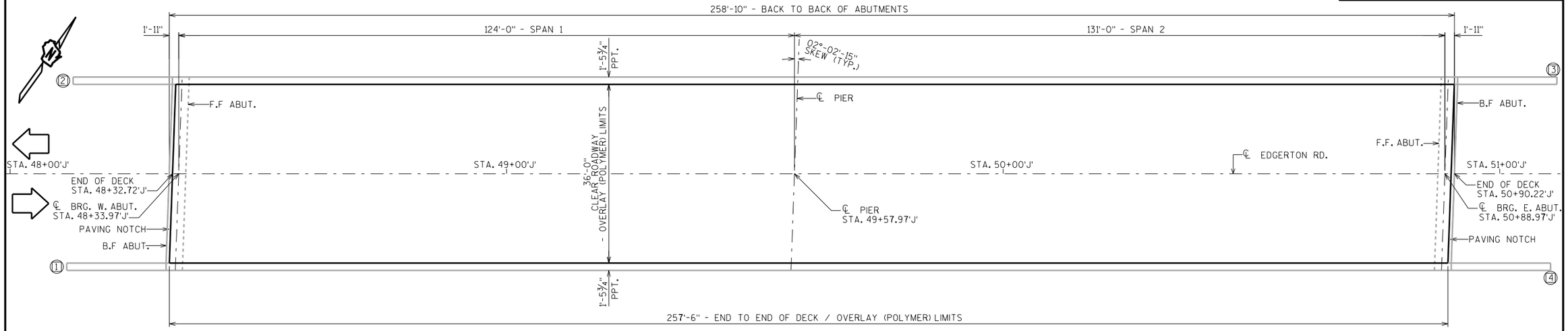
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STATE PROJECT NUMBER

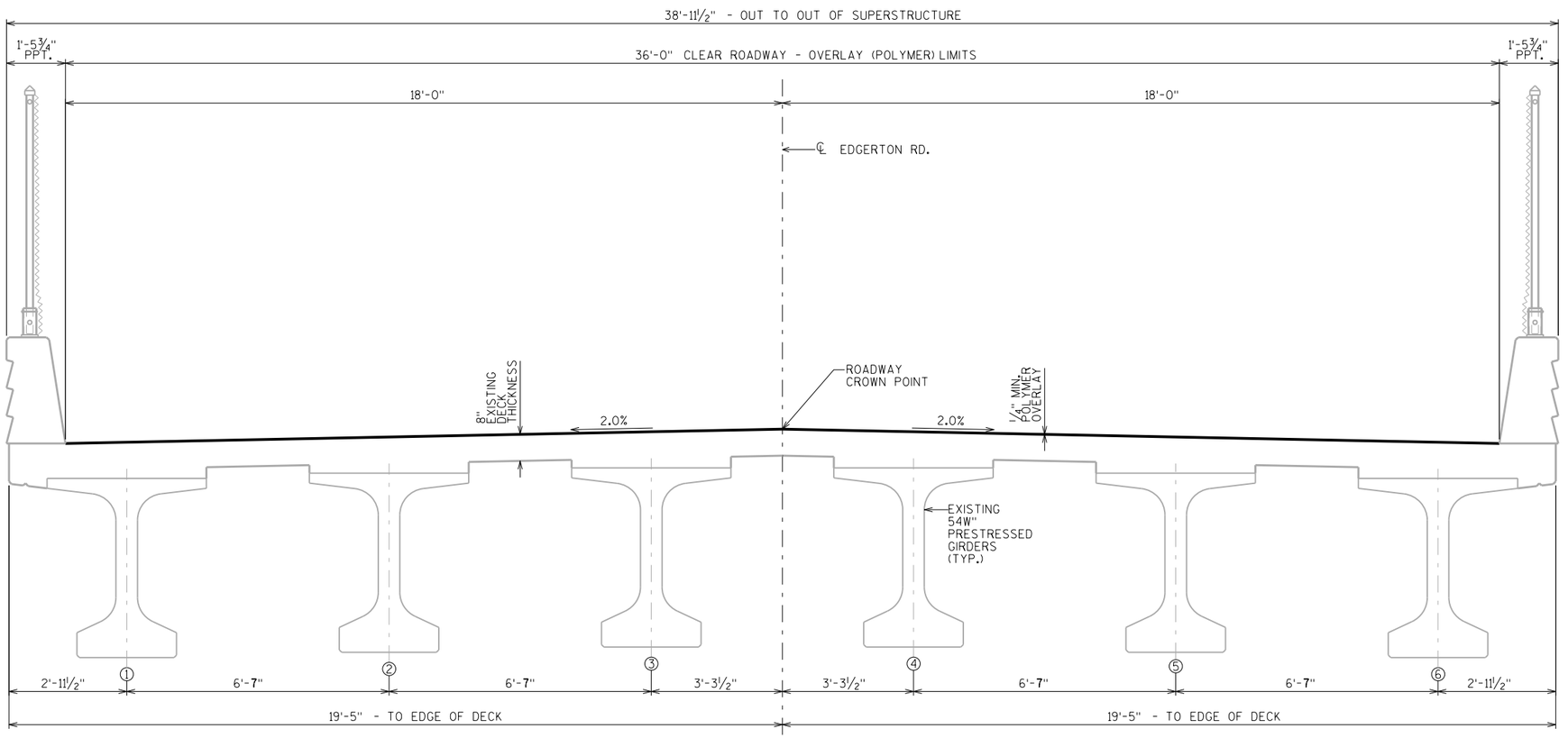
1001-10-81

(W) INDICATES WING NUMBER

(G) INDICATES GIRDER NUMBER



PLAN



TYPICAL CROSS SECTION THRU BRIDGE LOOKING EAST

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.08
OPERATING RATING FACTOR: RF=1.41
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE RATING INCLUDES 5 PSF FOR POLYMER OVERLAY.

NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

DIRECTION OF TRAFFIC

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1030

STRUCTURE DESIGN CONTACTS:

STACIE WEIS (608) 261-6109
AARON BONK (608) 261-0261

LIST OF DRAWINGS

1. POLYMER OVERLAY

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher AMB 10/31/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-703

EDGERTON ROAD OVER IH 39/90 NB & SB

COUNTY	TOWN
DANE	ALBION

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	SEW	DESIGNED CK'D.	JJS	DRAWN BY	JPH	PLANS CK'D.	JJS

POLYMER OVERLAY

SHEET 1 OF 1

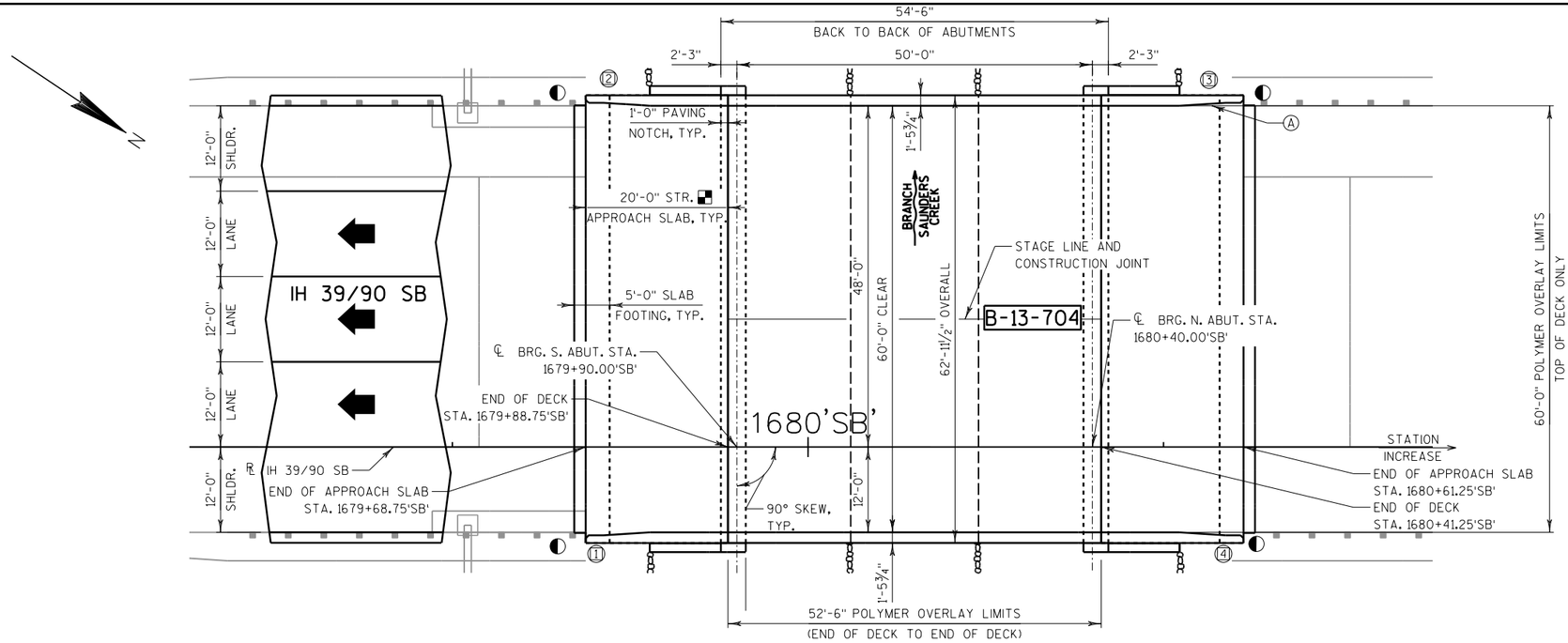
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I.D. 1007-10-01BQ DATE: AUG. 2019

SCALE = 10.00

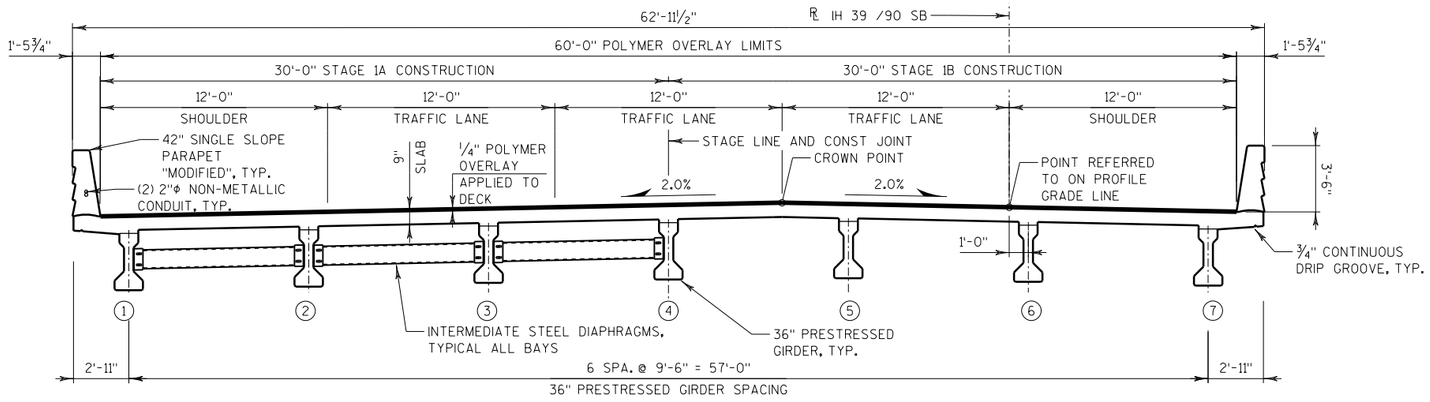
STATE PROJECT NUMBER

1001-10-81



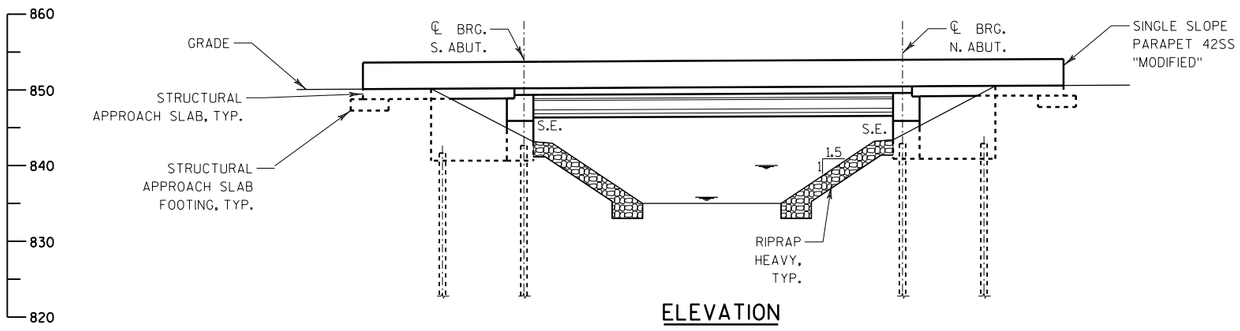
PLAN

(SINGLE SPAN 36" PRESTRESSED GIRDERS)
(POLYMER OVERLAY)



TYPICAL SECTION THRU IH 39/90 SB

36" PRESTRESSED GIRDERS (LOOKING NORTH)



ELEVATION

(LOOKING WEST)

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.25
OPERATING RATING: RF = 1.77
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

STRUCTURE RATING INCLUDES 5 PSF POLYMER OVERLAY

TRAFFIC DATA:
IH 39/90:
A.D.T. = 56,200 (2020)
A.D.T. = 70,300 (2040)
R.D.S. = 70 M.P.H.

GENERAL NOTES

Ⓐ NAME PLATE LOCATION

① DENOTES WING NUMBER

◐ ANCHOR ASSEMBLY FOR THRIE BEAM TYPE GUARDRAIL

◪ POLYMER OVERLAY IS NOT APPLIED TO APPROACH SLABS

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

SEE ROADWAY PLANS FOR TRAFFIC STAGING.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

CLEAN AND FILL EXISTING LONGITUDINAL AND TRANSVERSE CRACKS WITH PENETRATING EPOXY AS DIRECTED BY THE FIELD ENGINEER.

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF ¼" PLACED ABOVE THE FINAL DECK SURFACE AFTER ALL PREPARATION.

LIST OF DRAWINGS

1. GENERAL PLAN

TOTAL ESTIMATED QUANTITIES

509.5100.S POLYMER OVERLAY..... 350 SY

WISCONSIN
MICHAEL D. RADTKE
E-40967
ELM GROVE
WI
PROFESSIONAL ENGINEER
8/29/19

STRUCTURES DESIGN CONTACTS
BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MICHAEL D. RADTKE (414) 347-1607

NO.	DATE	REVISION	BY

emcs inc
1300 W. Canal Street, Suite 200
Milwaukee, WI 53233
414.347.1607 Fax 414.347.1347

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 11/14/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-704

IH 39/90 SB OVER BRANCH SAUNDERS CREEK

COUNTY	TOWN
DANE	ALBION

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MDR	JRM	MDR	JRM

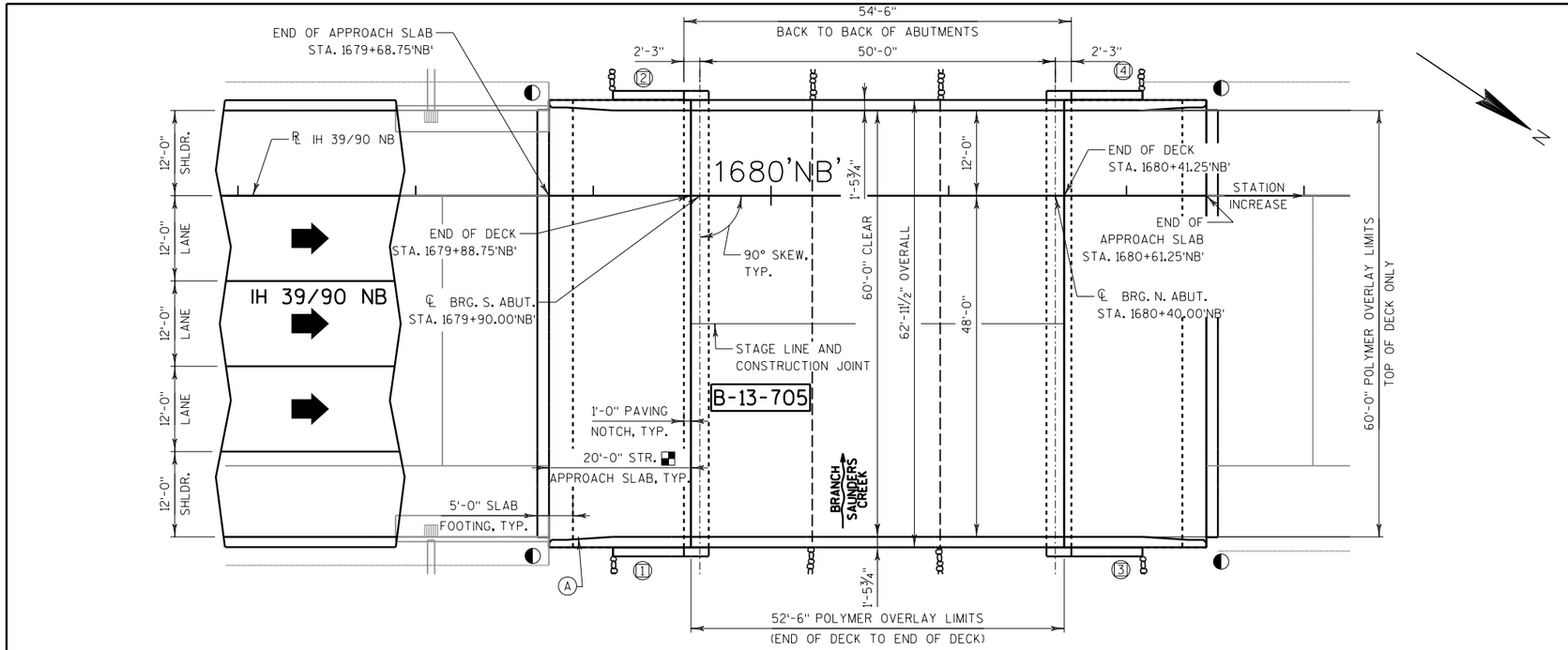
GENERAL PLAN

SHEET 1 OF 1
164

8

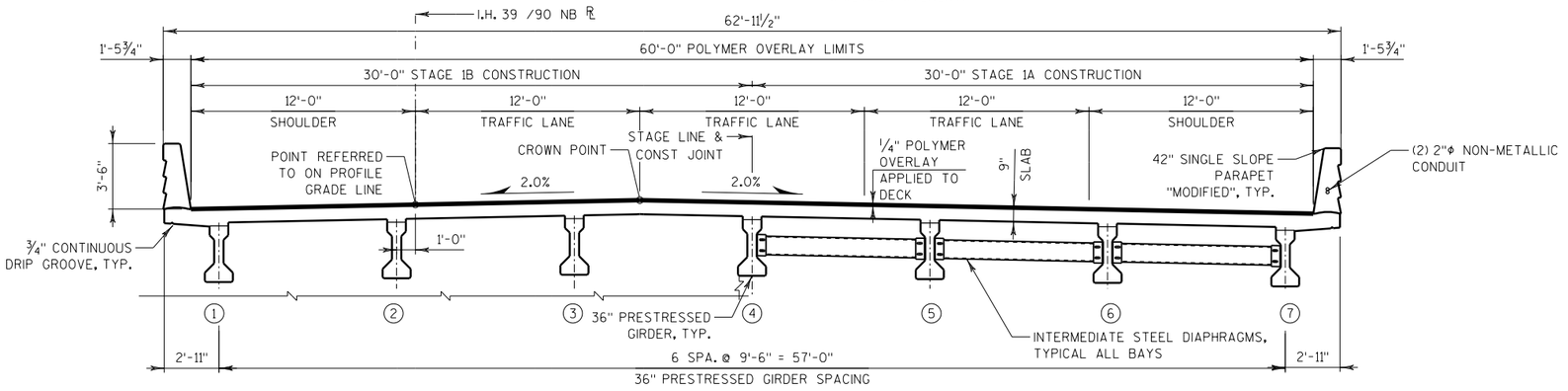
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FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\Polymer Overlay\SheetsPlan\080101_gp_B130704.dgn PLOT DATE : 8/15/2019 PLOT BY : kjd



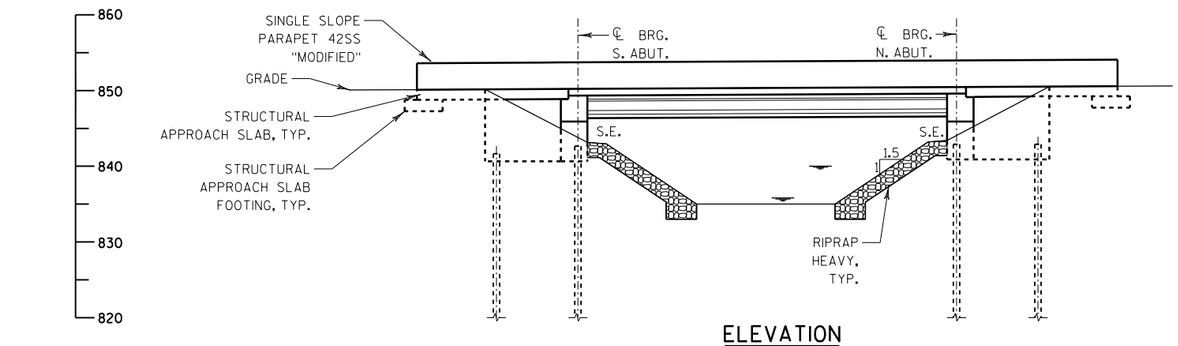
PLAN

(SINGLE SPAN 36" PRESTRESSED GIRDERS)
(POLYMER OVERLAY)



TYPICAL SECTION THRU IH 39/90 NB

36" PRESTRESSED GIRDERS (LOOKING NORTH)



ELEVATION

(LOOKING WEST)

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.25
OPERATING RATING: RF = 1.77
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

STRUCTURE RATING INCLUDES 5 PSF POLYMER OVERLAY

TRAFFIC DATA:
IH 39/90:
A.D.T. = 56,200 (2020)
A.D.T. = 70,300 (2040)
R.D.S. = 70 M.P.H.

GENERAL NOTES

(A) NAME PLATE LOCATION

(1) DENOTES WING NUMBER

◐ ANCHOR ASSEMBLY FOR THRIE BEAM TYPE GUARDRAIL

◪ POLYMER OVERLAY IS NOT APPLIED TO APPROACH SLABS

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

SEE ROADWAY PLANS FOR TRAFFIC STAGING.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

CLEAN AND FILL EXISTING LONGITUDINAL AND TRANSVERSE CRACKS WITH PENETRATING EPOXY AS DIRECTED BY THE FIELD ENGINEER.

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF ¼" PLACED ABOVE THE FINAL DECK SURFACE AFTER ALL PREPARATION.

LIST OF DRAWINGS

1. GENERAL PLAN

TOTAL ESTIMATED QUANTITIES

509.5100.S POLYMER OVERLAY..... 350 SY

STATE PROJECT NUMBER

1001-10-81

WISCONSIN
MICHAEL D. RADTKE
E-40967
ELM GROVE, WI
PROFESSIONAL ENGINEER
8/29/19

STRUCTURES DESIGN CONTACTS
BRIDGE OFFICE:
WILLIAM DREHER
CONSULTANT:
MICHAEL D. RADTKE

NO.	DATE	REVISION	BY

emcs inc
1300 W. Canal Street, Suite 200
Milwaukee, WI 53233
414.347.1607 Fax 414.347.1347

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 11/14/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-705

IH 39/90 NB OVER BRANCH SAUNDERS CREEK

COUNTY	TOWN
DANE	ALBION

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MDR	JRM	MDR	JRM

GENERAL PLAN

SHEET 1 OF 1
165

8

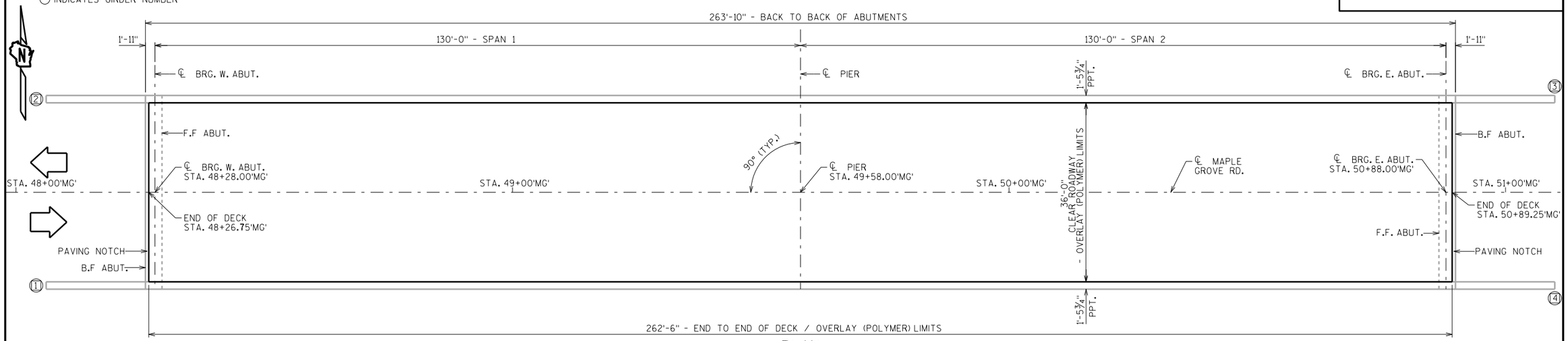
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STATE PROJECT NUMBER

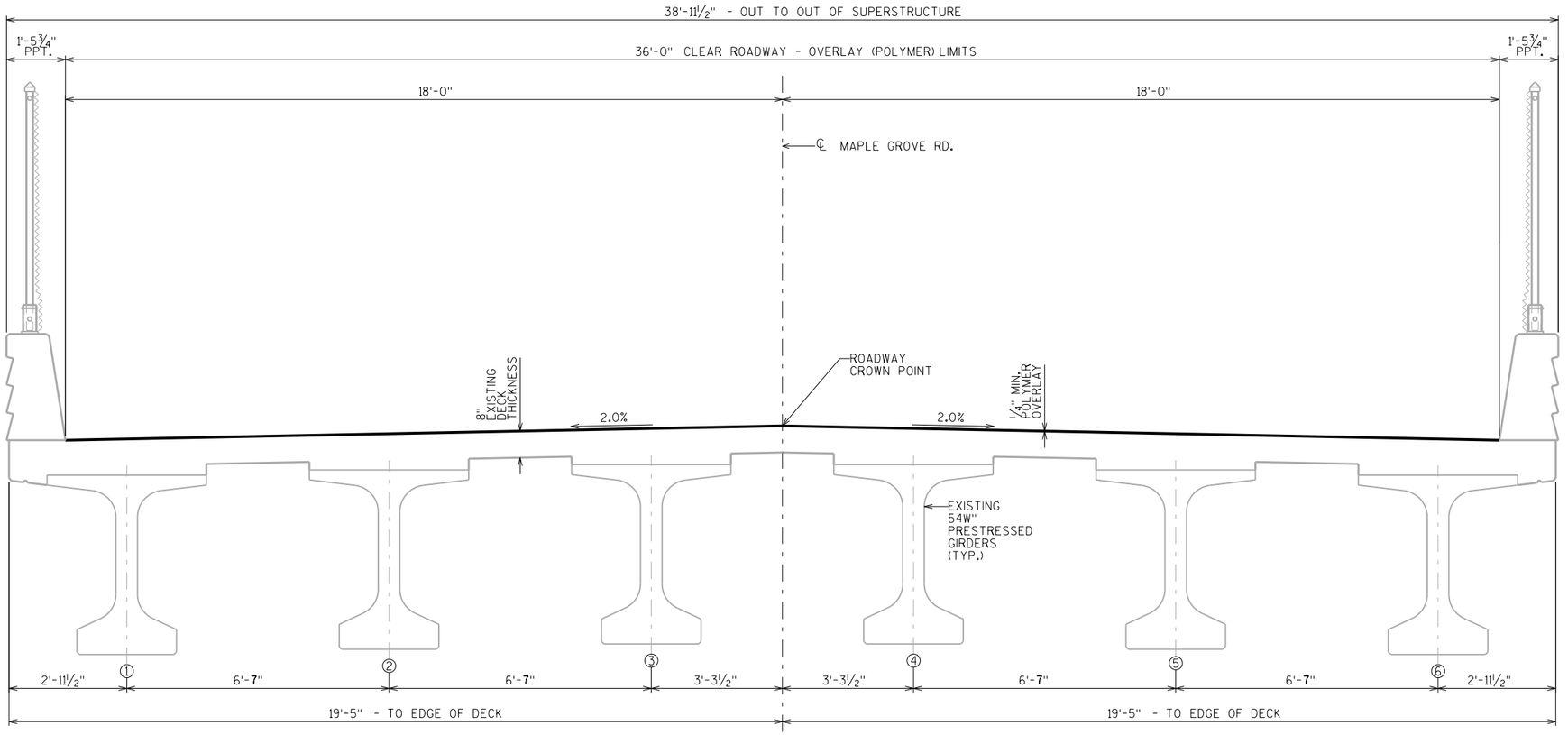
1001-10-81

INDICATES WING NUMBER

INDICATES GIRDER NUMBER



PLAN



TYPICAL CROSS SECTION THRU BRIDGE LOOKING EAST

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.09
OPERATING RATING FACTOR: RF=1.55
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE RATING INCLUDES 5 PSF FOR POLYMER OVERLAY.

NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

DIRECTION OF TRAFFIC

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1050

STRUCTURE DESIGN CONTACTS:

EMILY KUEHNE (608) 266-5089
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 10/31/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-706

MAPLE GROVE ROAD OVER IH 39 NB & SB

COUNTY	TOWN
DANE	ALBION

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
EMK	JJS	JPH	JJS

POLYMER OVERLAY

SHEET 1 OF 1

166

I.D. 1007-10-01BR DATE: AUG. 2019

SCALE = 10.00

8

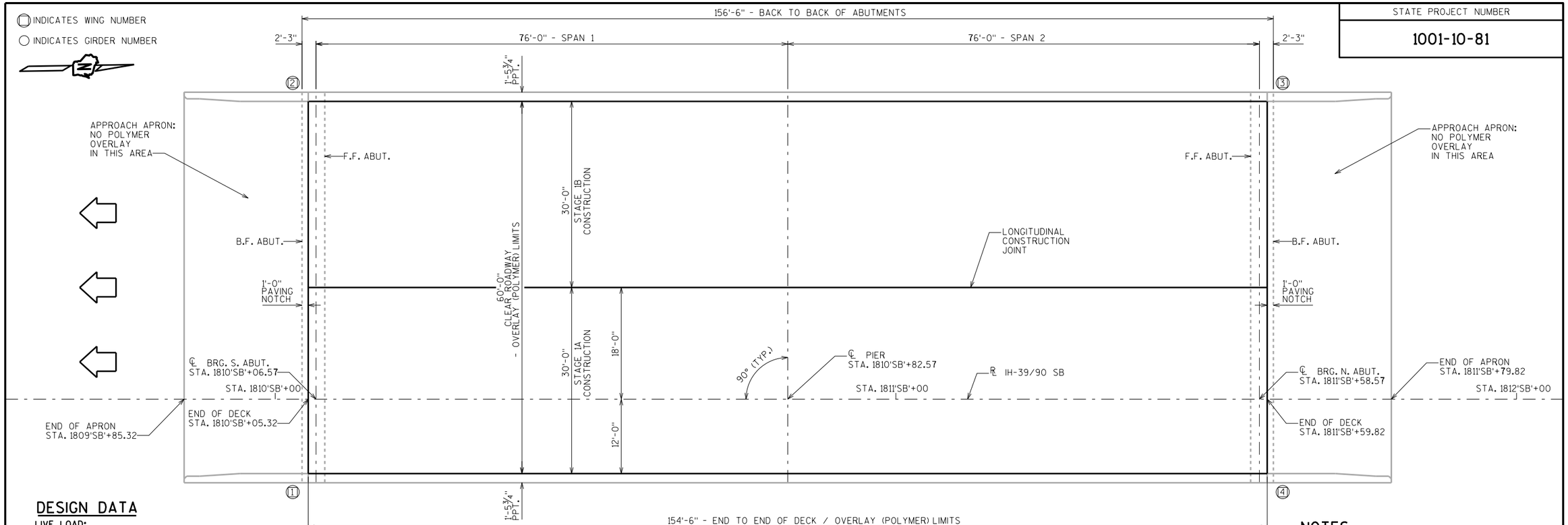
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STATE PROJECT NUMBER

1001-10-81

INDICATES WING NUMBER

INDICATES GIRDER NUMBER



PLAN

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.07
OPERATING RATING FACTOR: RF=1.39
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE RATING INCLUDES 5 PSF FOR POLYMER OVERLAY.

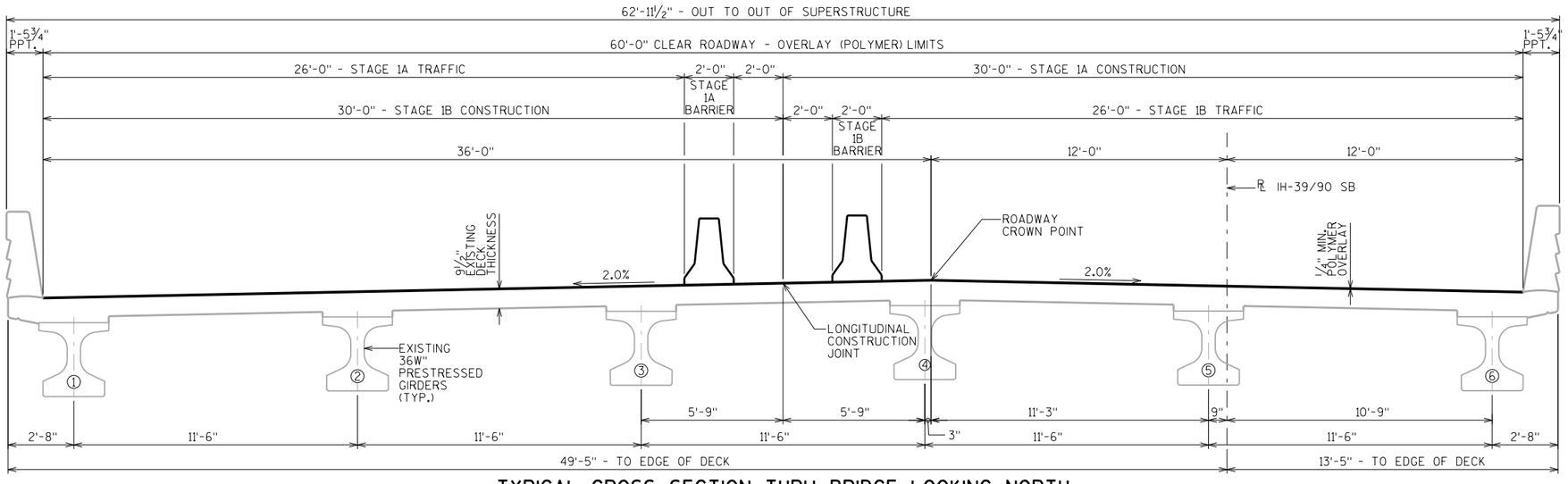
NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

DIRECTION OF TRAFFIC



TYPICAL CROSS SECTION THRU BRIDGE LOOKING NORTH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1030

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURE DESIGN CONTACTS:

ADAM SWIERCZEK (608) 267-4593
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 10/31/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-707

SB IH 39/90 OVER USH 51

COUNTY	TOWN
DANE	ALBION

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
ABS	JJS	JPH	JJS

POLYMER OVERLAY

SHEET 1 OF 1

167

I.D. 1007-10-01BT DATE: AUG. 2019

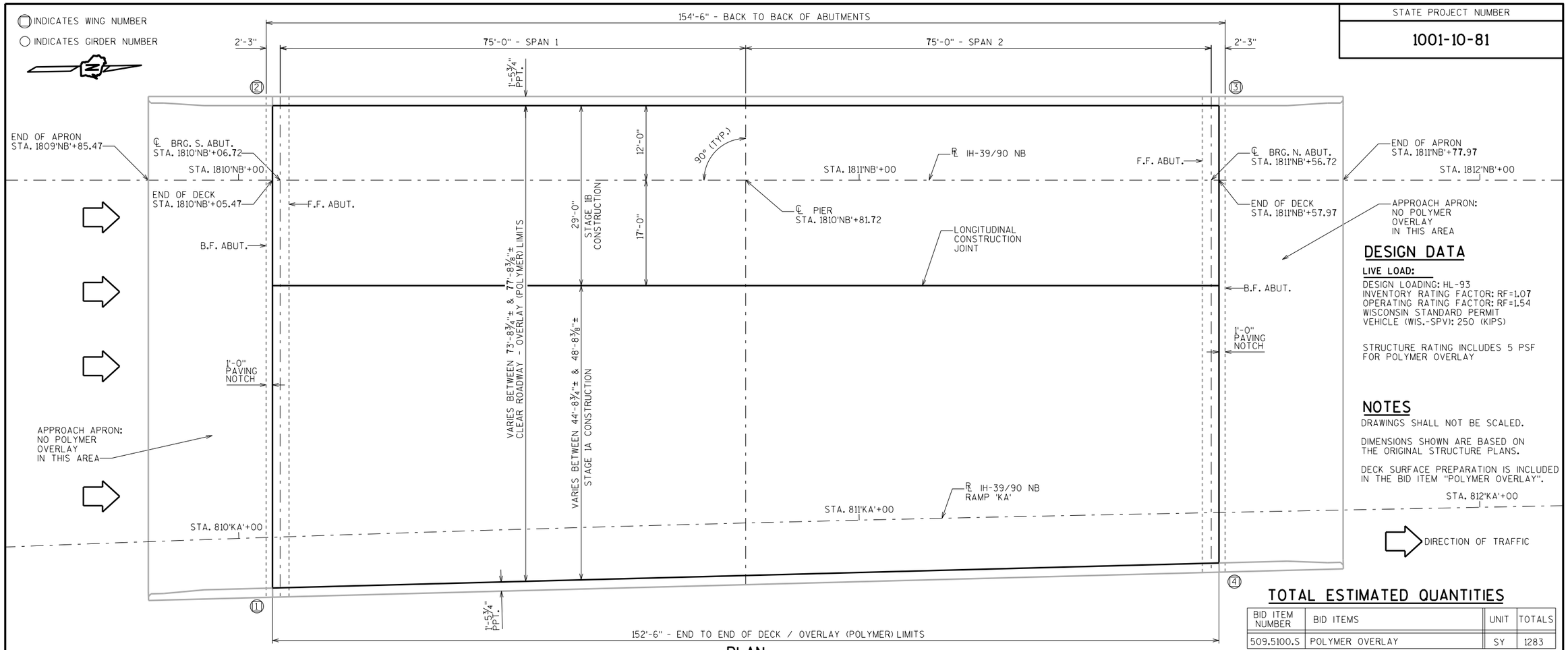
SCALE = 8.00

8

8

STATE PROJECT NUMBER

1001-10-81



PLAN

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.07
OPERATING RATING FACTOR: RF=1.54
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE RATING INCLUDES 5 PSF FOR POLYMER OVERLAY

NOTES

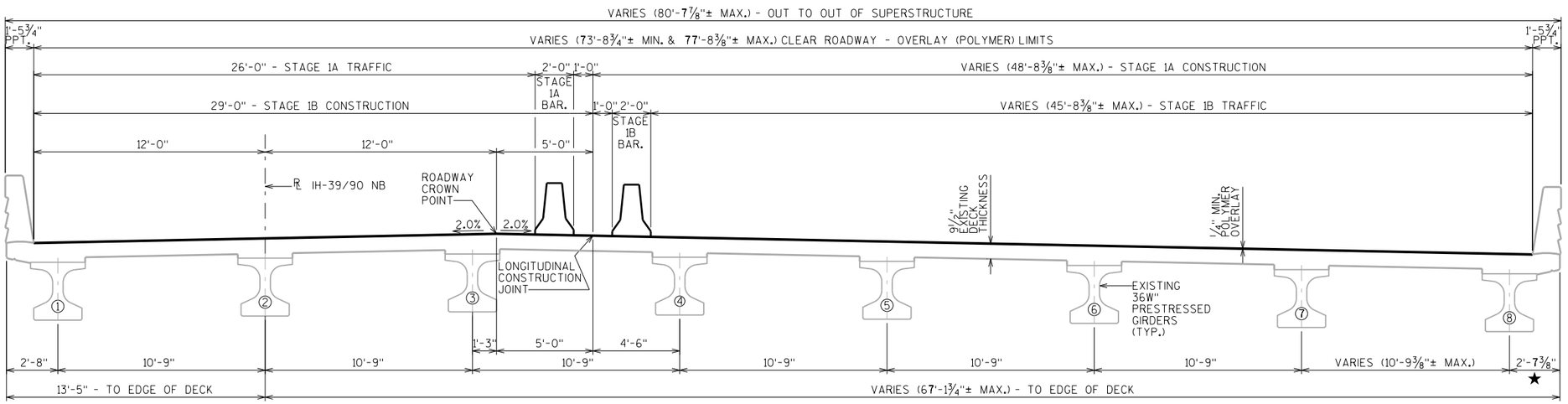
DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1283



TYPICAL CROSS SECTION THRU BRIDGE LOOKING NORTH

★ DIMENSION MEASURED PERPENDICULAR TO THE RIGHT EDGE OF DECK

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURE DESIGN CONTACTS:

ADAM SWIERCZEK (608) 267-4593
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 10/31/19
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-13-708

NB IH 39/90 OVER USH 51

COUNTY: DANE — TOWN: ALBION

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	ABS	DESIGNED CK'D.	JJS	DRAWN BY	JPH	PLANS CK'D.	JJS

POLYMER OVERLAY

SHEET 1 OF 1

168

I.D. 1007-10-01BS DATE: AUG. 2019

SCALE = 8.00

8

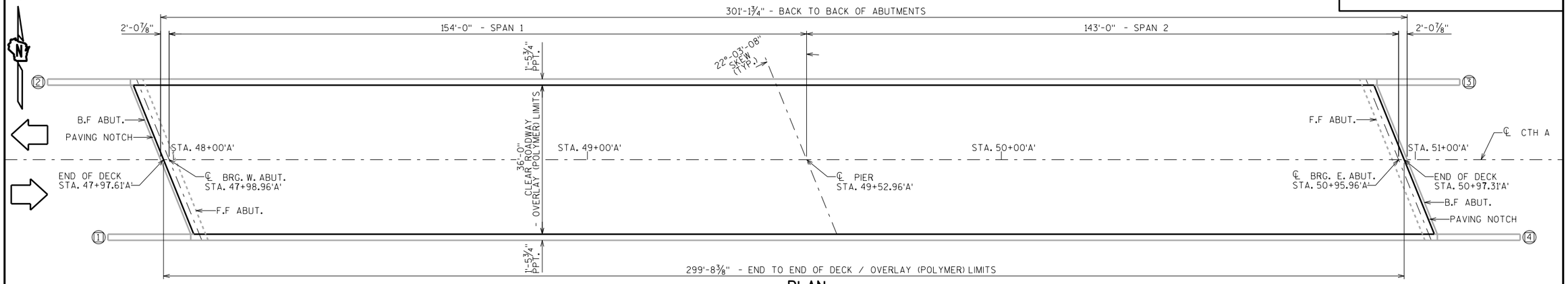
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STATE PROJECT NUMBER

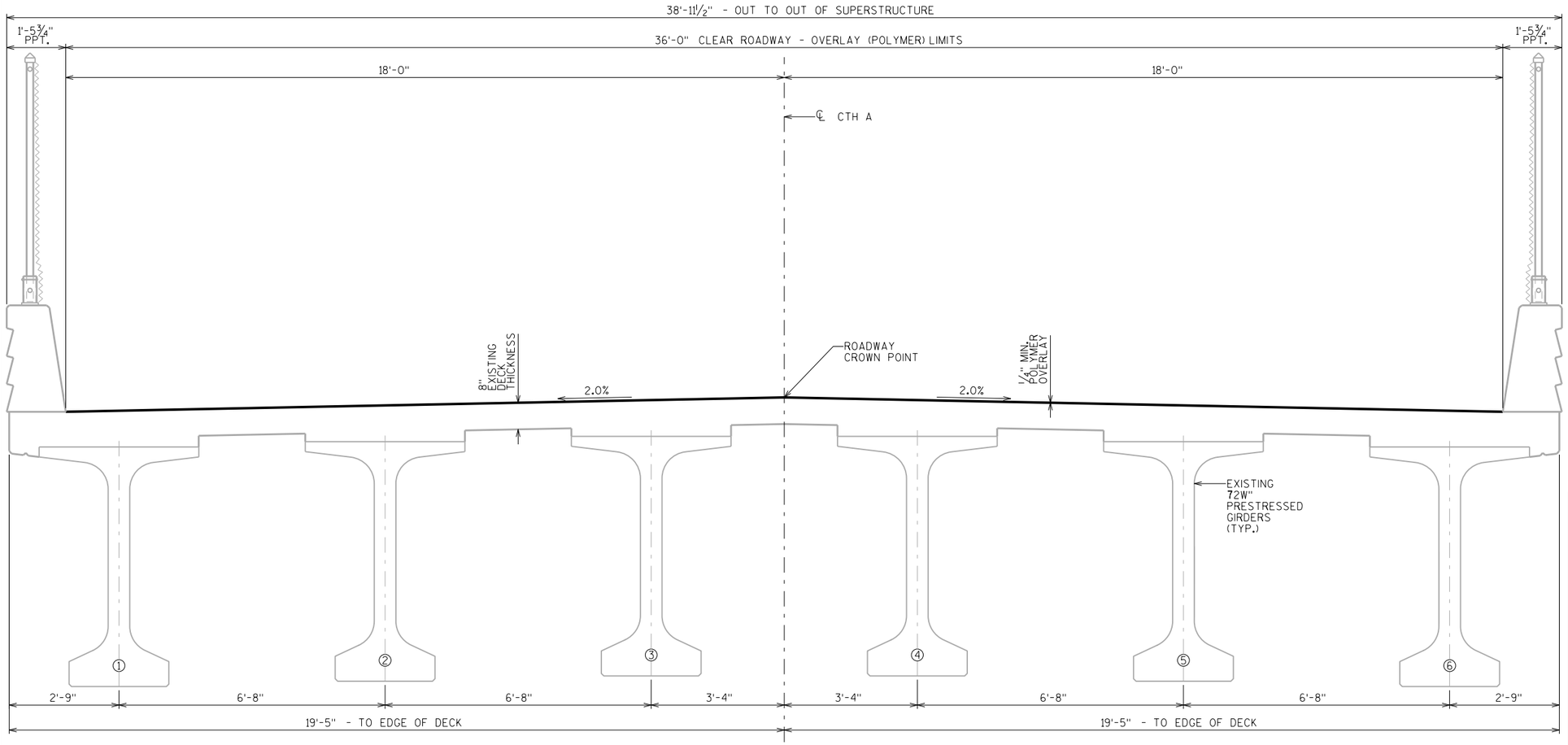
1001-10-81

INDICATES WING NUMBER

INDICATES GIRDER NUMBER



PLAN



TYPICAL CROSS SECTION THRU BRIDGE LOOKING EAST

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.03
OPERATING RATING FACTOR: RF=1.34
WISCONSIN STANDARD PERMIT
VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE RATING INCLUDES 5 PSF FOR POLYMER OVERLAY.

NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

DIRECTION OF TRAFFIC

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1199

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURE DESIGN CONTACTS:

STACIE WEIS (608) 261-6109
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 10/31/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-709

CTH A OVER IH 39/90 NB & SB

COUNTY	TOWN
DANE	ALBION

DESIGN SPEC. N/A
REHABILITATION

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
SEW	JJS	JPH	JJS

POLYMER OVERLAY

SHEET 1 OF 1

169

I.D. 1007-10-01BU DATE: AUG. 2019

SCALE = 12.00

8

8

STATE PROJECT NUMBER
1001-10-81

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=1.20
OPERATING RATING FACTOR: RF=1.59
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

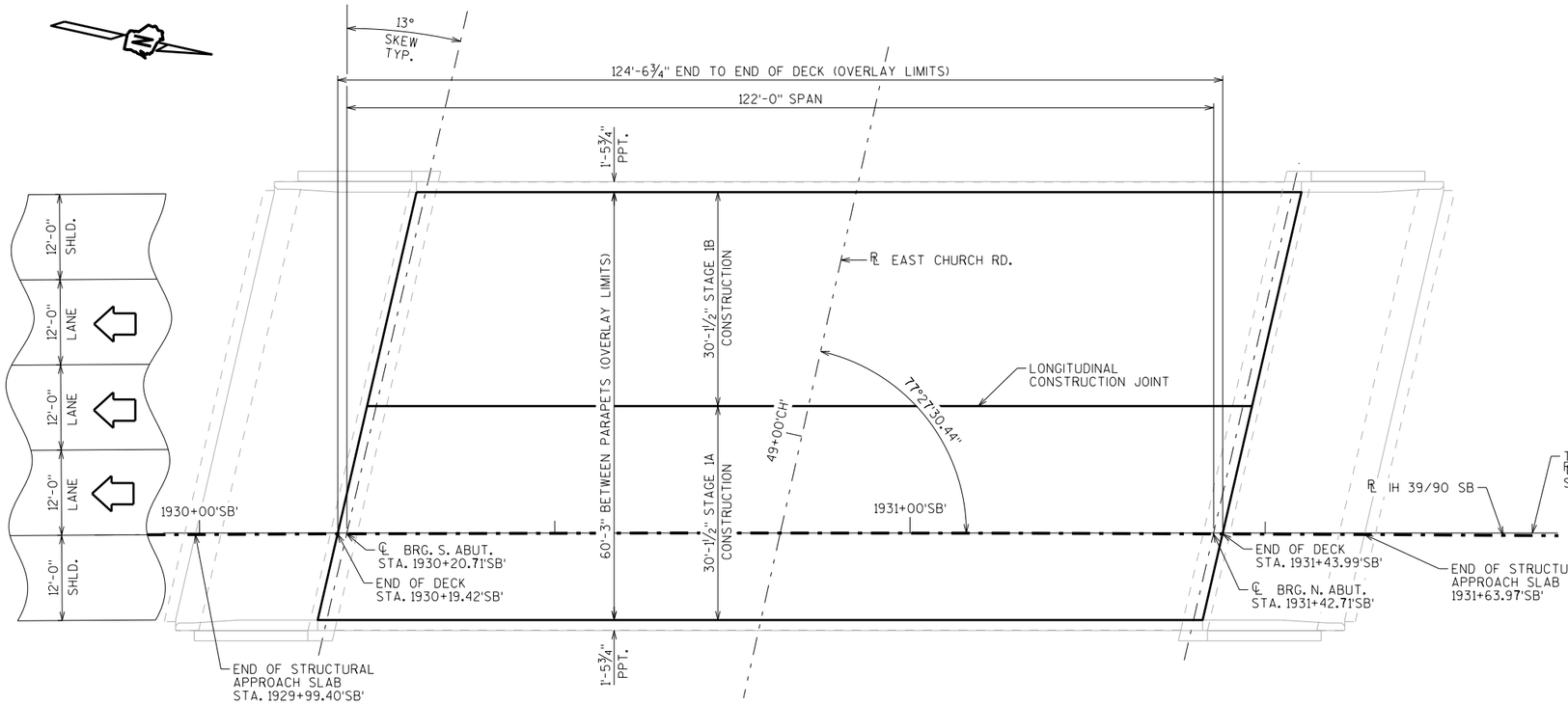
DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

TRAFFIC VOLUME

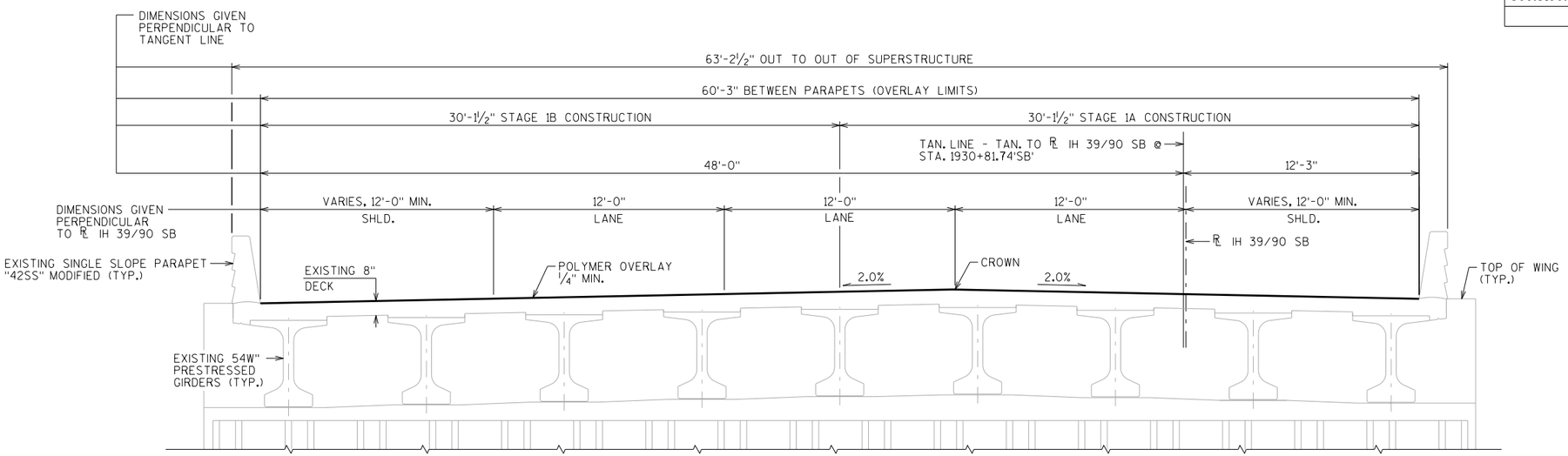
IH 39/90

A.D.T.=70,300 (2040)
R.D.S.=70 M.P.H.



PLAN

(SINGLE SPAN 54W" PRESTRESSED GIRDERS)



CROSS SECTION THRU ROADWAY LOOKING NORTH

CURVE DATA

℄ IH 39/90 SB

P.I. = STA. 1924+00.00'SB'
Δ = 16° 15' 54"
D = 0° 21' 47"
T = 2255.53
L = 4480.72
R = 15784.00
S.E. = NC
P.C. = STA. 1901+44.48'SB'
P.T. = STA. 1946+25.19'SB'

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	834

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURE DESIGN CONTACTS:

MICHAEL LARSON (608) 267-4539
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 2/17/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-710

IH 39/90 SB OVER EAST CHURCH RD.

COUNTY	TOWN/~~CITY/VILLAGE~~
DANE	CHRISTIANA

DESIGN SPEC. REHABILITATION

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MJL	SEW	MJL	SEW

POLYMER OVERLAY

SHEET 1 OF 1

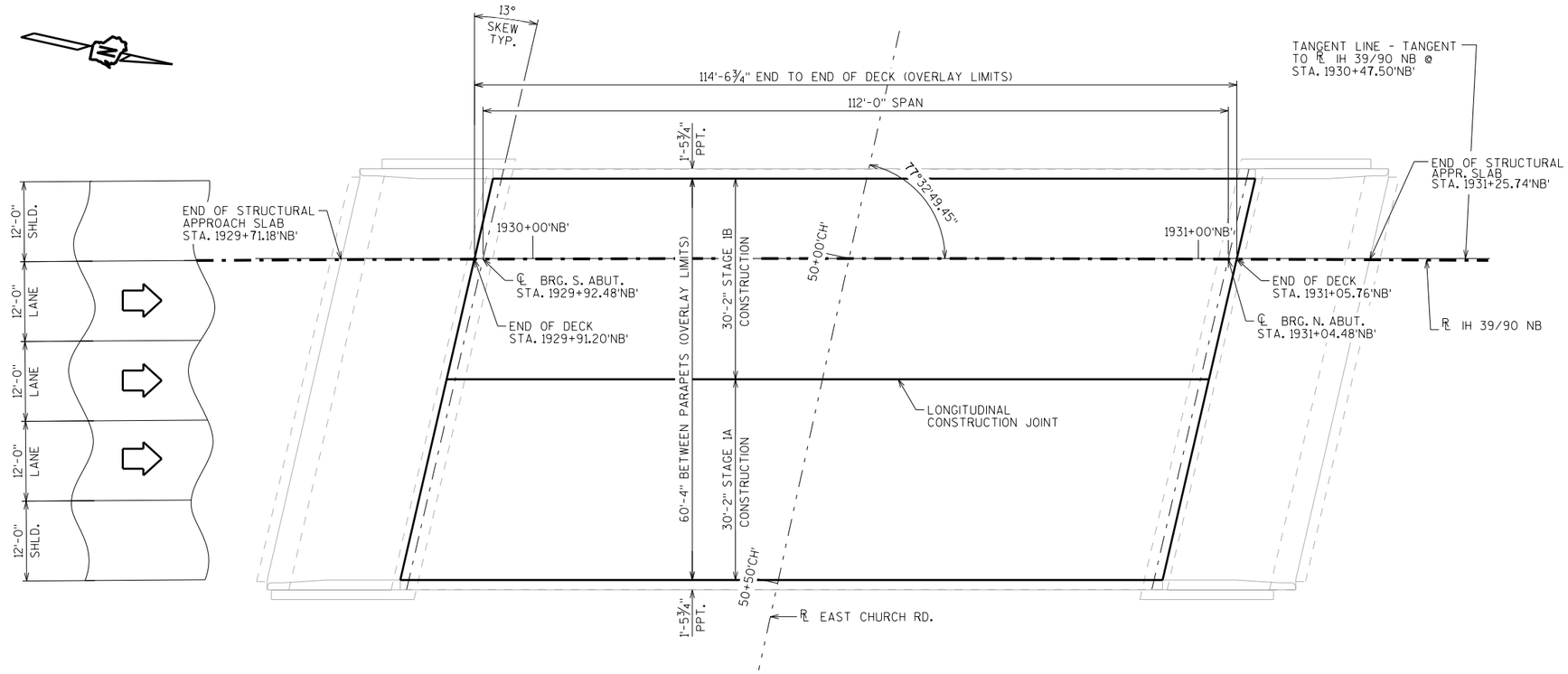
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I.D. 1007-10-01BA DATE: JAN. 2019

SCALE = 10.00

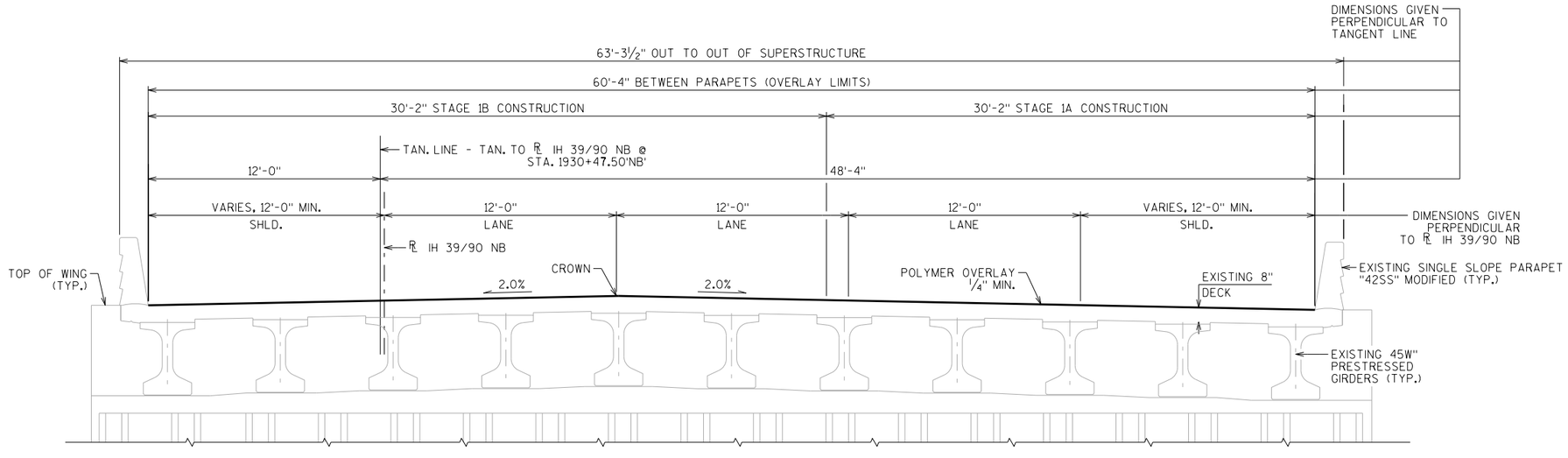
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8



PLAN

(SINGLE SPAN 45W" PRESTRESSED GIRDERS)



CROSS SECTION THRU ROADWAY LOOKING NORTH

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.10
OPERATING RATING FACTOR: RF=1.70
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STATE PROJECT NUMBER

1001-10-81

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

TRAFFIC VOLUME

IH 39/90

A.D.T.=70,300 (2040)
R.D.S.=70 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	768

CURVE DATA

℄ IH 39/90 NB

P.I. = STA. 1924+79.40'NB'
Δ = 16° 55' 06"
D = 0° 21' 54"
T = 2334.92
L = 4635.87
R = 15700.00
S.E. = NC
P.C. = STA. 1901+44.48'NB'
P.T. = STA. 1947+80.35'NB'

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURE DESIGN CONTACTS:

MICHAEL LARSON (608) 267-4539
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 2/17/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-711

IH 39/90 NB OVER EAST CHURCH RD.

COUNTY: DANE
TOWN/~~CITY/VILLAGE~~: CHRISTIANA
DESIGN SPEC.: REHABILITATION

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MJL	SEW	MJL	SEW

POLYMER OVERLAY

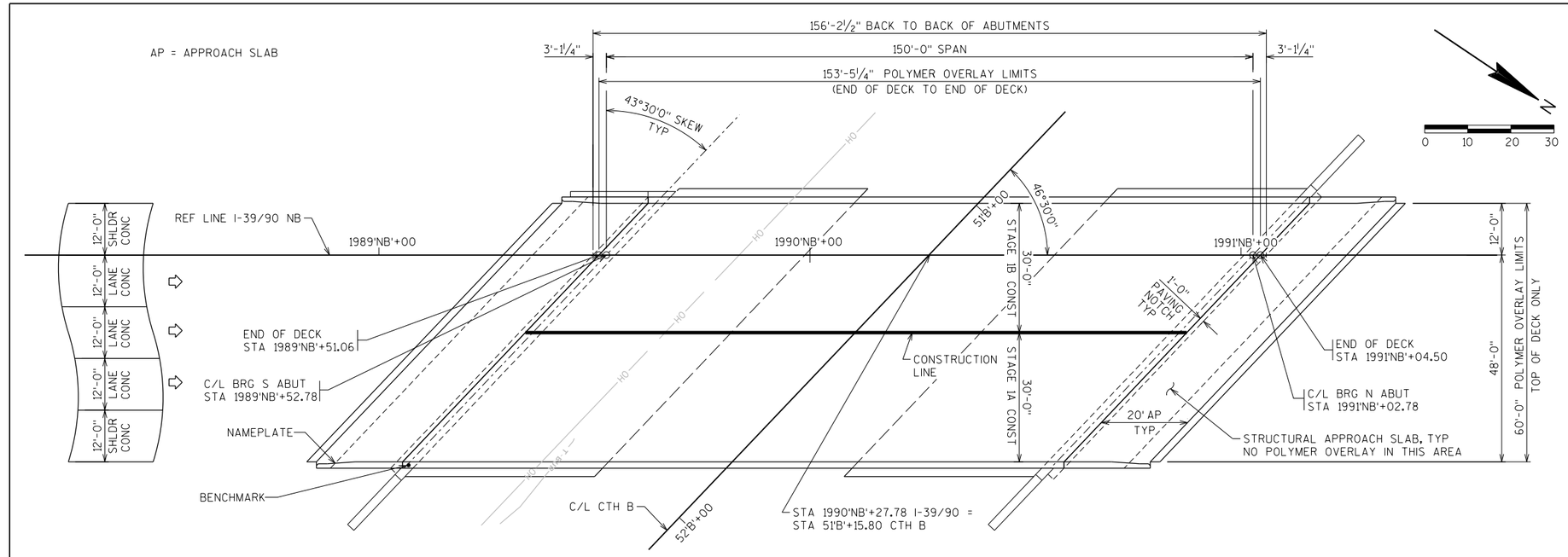
SHEET 1 OF 1

171

I.D. 1007-10-01BK DATE: JAN. 2019

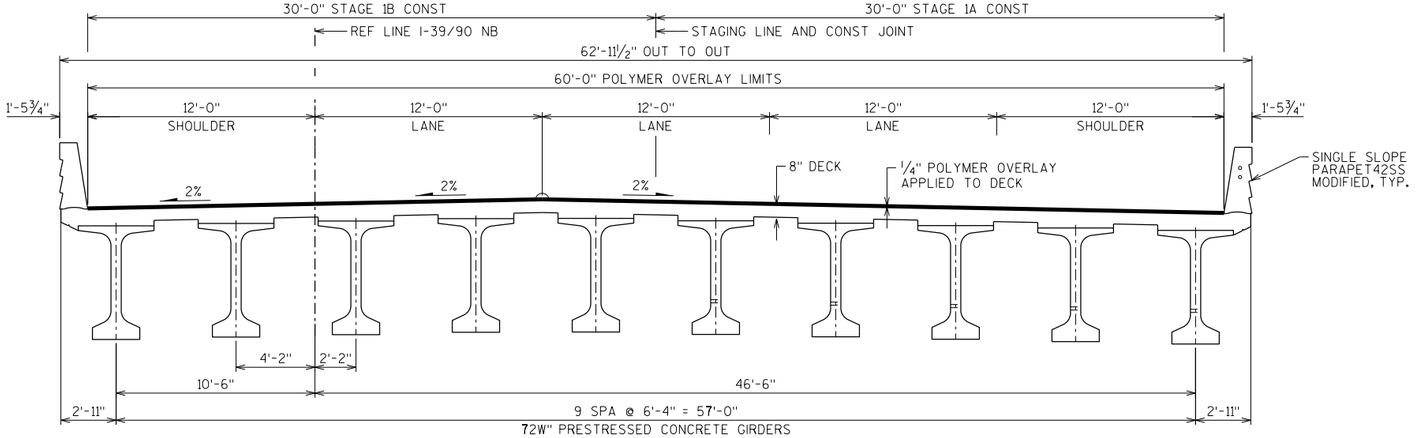
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STATE PROJECT NUMBER
1001-10-81



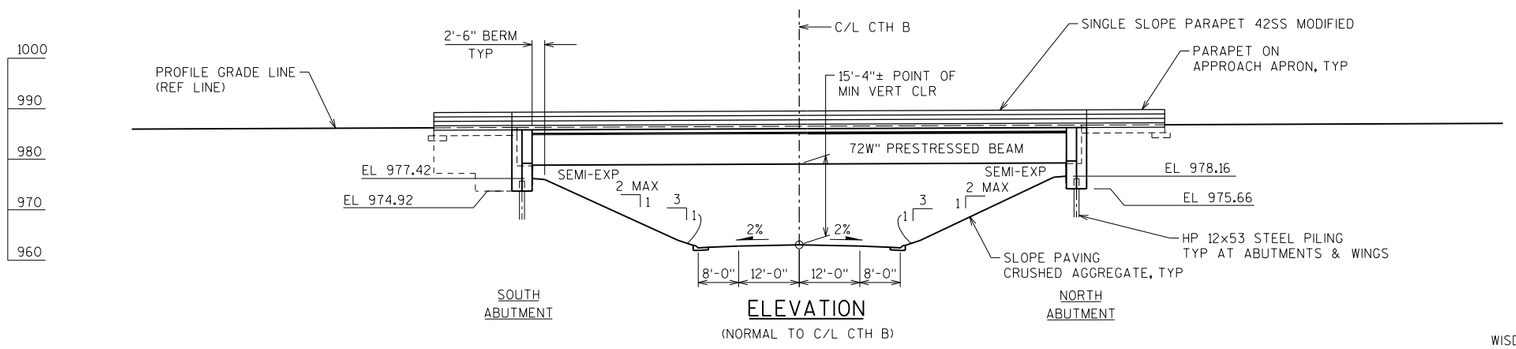
PLAN

SINGLE SPAN - 72W" PRESTRESSED CONCRETE GIRDER BRIDGE



CROSS SECTION THRU BRIDGE

(LOOKING NORTH)



ELEVATION

(NORMAL TO C/L CTH B)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.29
OPERATING RATING FACTOR: RF = 2.16
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE RATING INCLUDES 5 PSF POLYMER OVERLAY

TRAFFIC DATA

I-39/90 NB			CTH B		
ADT (2020)	=	56650	ADT (2009)	=	470
ADT (2040)	=	70300	ADT (2040)	=	736
DHV (2040)	=	7452			
D	=	58/42			
T	=	29.1 %			
DESIGN SPEED	=	70 MPH	DESIGN SPEED	=	60 MPH

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

SEE ROADWAY PLANS FOR TRAFFIC STAGING.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

CLEAN AND FILL EXISTING LONGITUDINAL AND TRANSVERSE CRACKS WITH PENETRATING EPOXY AS DIRECTED BY THE FIELD ENGINEER.

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF ¼" PLACED ABOVE THE FINAL DECK SURFACE AFTER ALL PREPARATION.

TOTAL ESTIMATED QUANTITIES - B-13-713

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1025	1025

LIST OF DRAWINGS

1 GENERAL PLAN

NO.	DATE	REVISION	BY

SEH
SHORT ELLIOTT HENDRICKSON INC.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/14/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-713

i-39/90 NB OVER CTH B

COUNTY	TOWN ~~CITY/VILLAGE~~
DANE	CHRISTIANA

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	CJB	DESIGN CK'D.	NCK	DRAWN BY	DLF	PLANS CK'D.	NCK

GENERAL PLAN

SHEET 1 OF 1
172

WISCONSIN PROFESSIONAL ENGINEER
NATHAN C. KLOPP
E-39850
ST PAUL
MN
8/14/2019

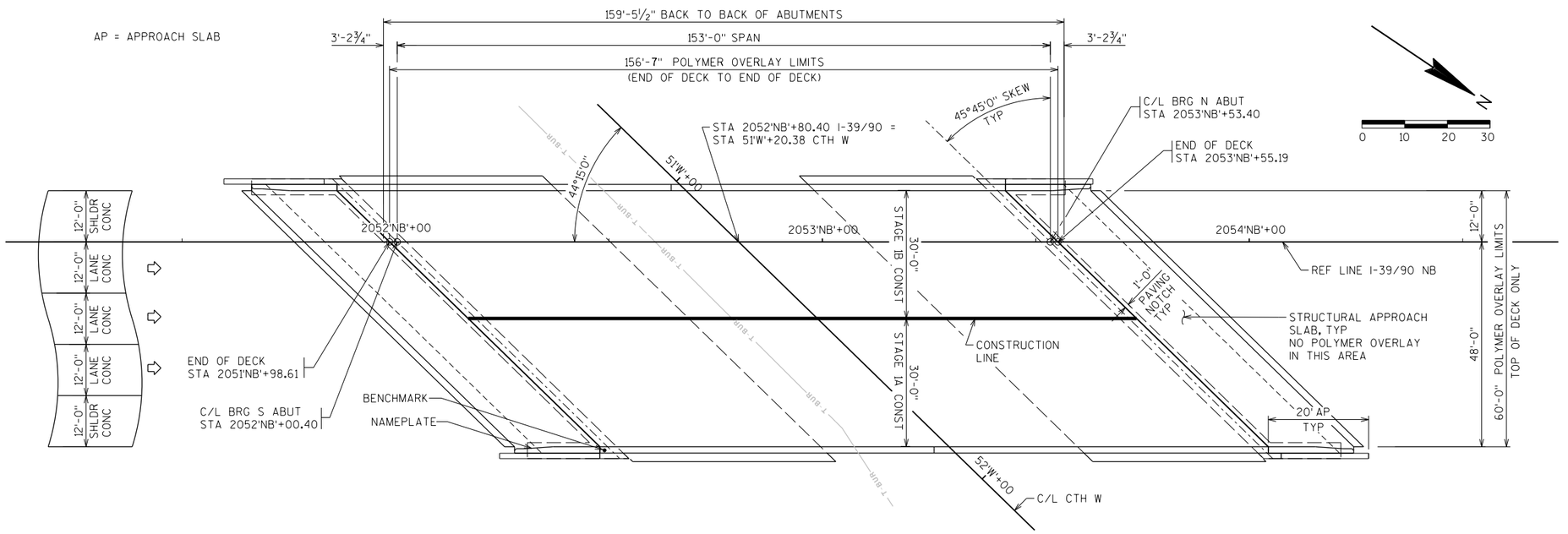
SEH CONTACT: CHRIS BLUM, PE, 608.620.6192
WISDOT BRIDGE OFFICE CONTACT: BILL DREHER, PE, 608.266.8489

8

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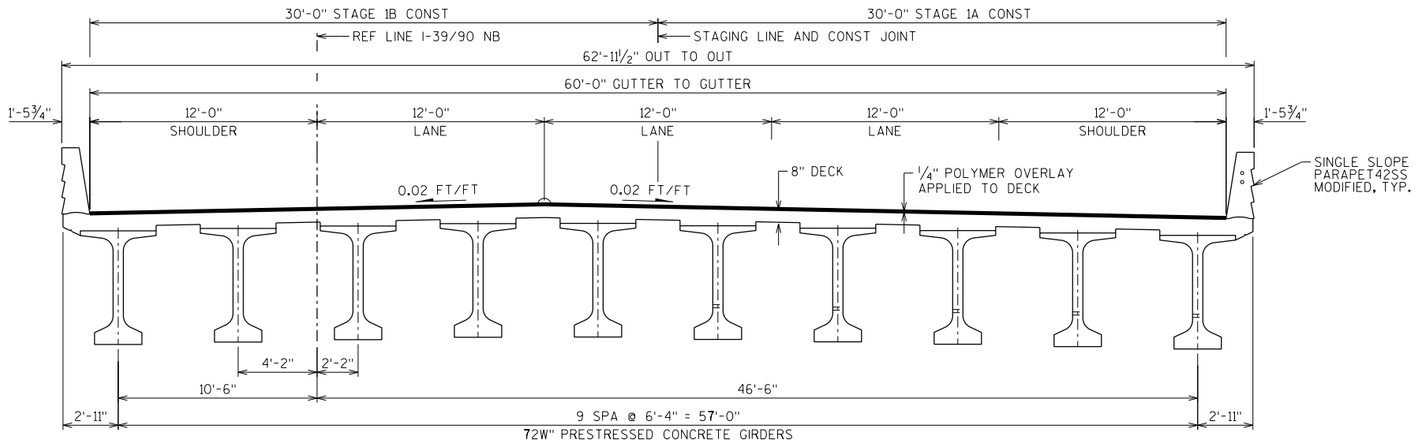
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STATE PROJECT NUMBER
1001-10-81



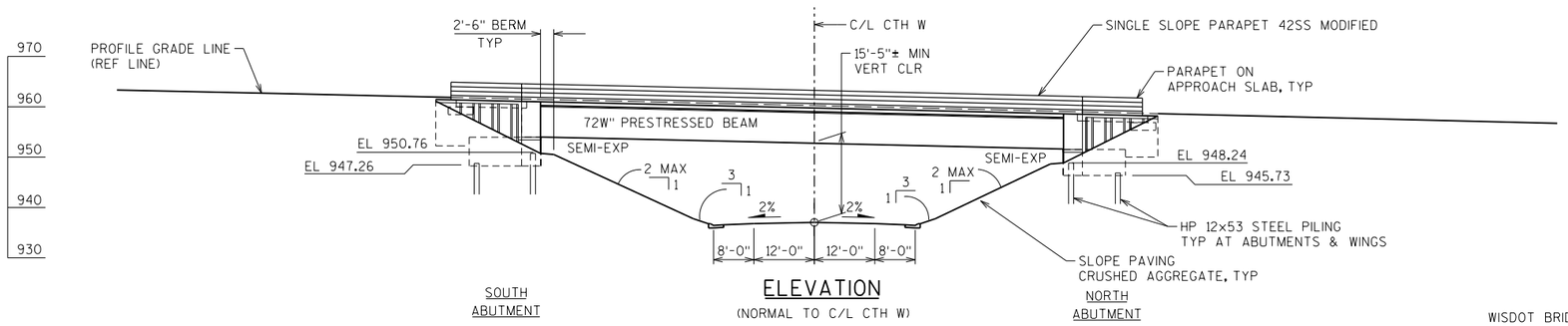
PLAN

SINGLE SPAN - 72W" PRESTRESSED CONCRETE GIRDER BRIDGE



CROSS SECTION THRU BRIDGE

(LOOKING NORTH)



ELEVATION

(NORMAL TO C/L CTH W)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.25
OPERATING RATING FACTOR: RF = 1.95
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE RATING INCLUDES 5 PSF POLYMER OVERLAY

TRAFFIC DATA

I-39/90 NB			CTH W	
ADT (2020)	=	56650	ADT (2009)	= 540
ADT (2040)	=	70300	ADT (2040)	= 700
DHV (2040)	=	7452	DESIGN SPEED	= 60 MPH
D	=	58/42		
T	=	29.1%		
DESIGN SPEED	=	70 MPH		

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

SEE ROADWAY PLANS FOR TRAFFIC STAGING.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

CLEAN AND FILL EXISTING LONGITUDINAL AND TRANSVERSE CRACKS WITH PENETRATING EPOXY AS DIRECTED BY THE FIELD ENGINEER.

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF ¼" PLACED ABOVE THE FINAL DECK SURFACE AFTER ALL PREPARATION.

TOTAL ESTIMATED QUANTITIES - B-13-715

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1045	1045

NO.	DATE	REVISION	BY

SEH
SHORT ELLIOTT HENDRICKSON INC.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/14/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-715

I-39/90 NB OVER CTH W

COUNTY	TOWN ~~/CITY/VILLAGE~~
DANE	CHRISTIANA

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	CJB	DESIGN CK'D.	NCK	DRAWN BY	DLF	PLANS CK'D.	NCK

GENERAL PLAN

SHEET 1 OF 1
173

WISCONSIN PROFESSIONAL ENGINEER
NATHAN C. KLOPP
E-39850
ST PAUL
MN
8/9/2019

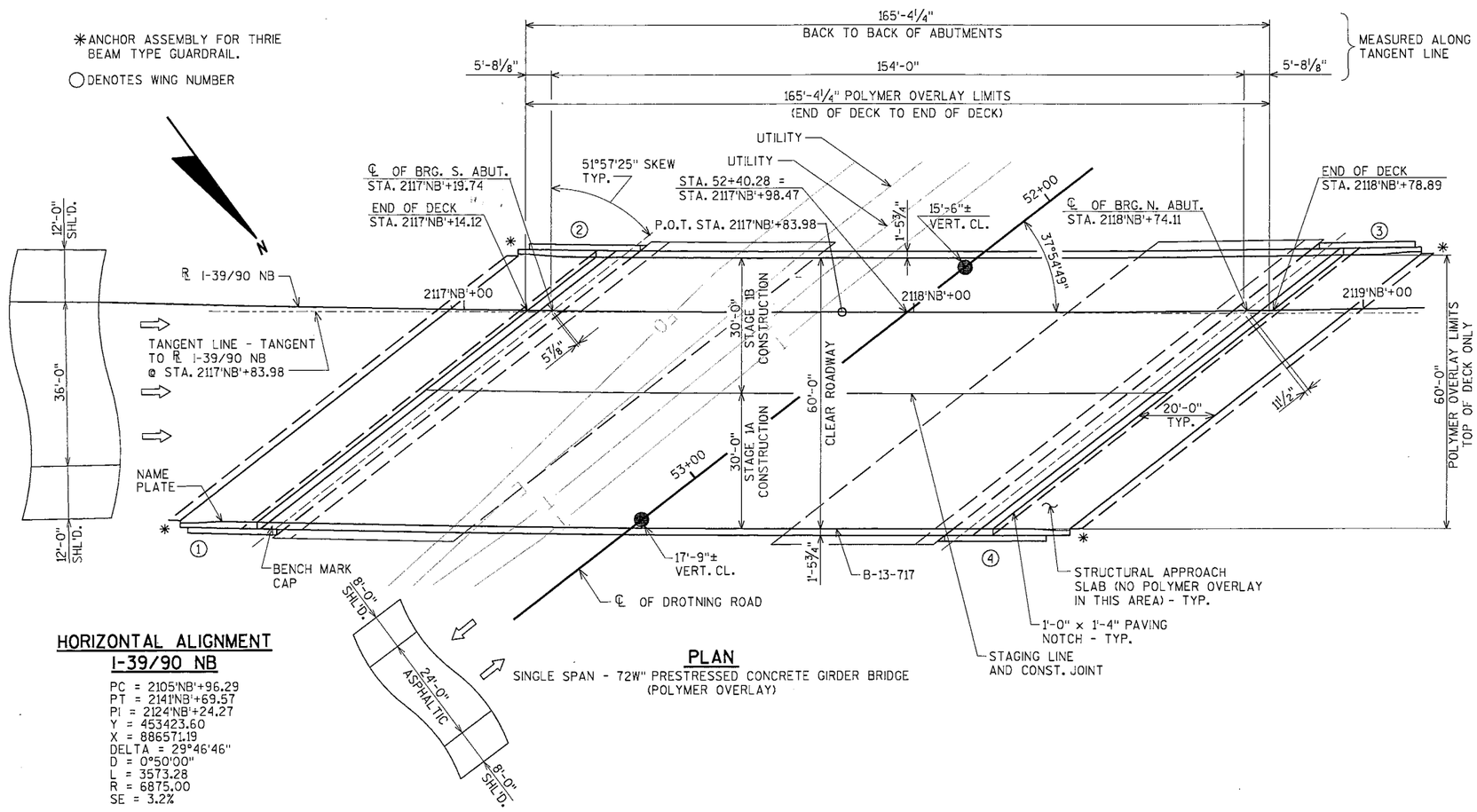
SEH CONTACT: CHRIS BLUM, PE, 608.620.6192
WISDOT BRIDGE OFFICE CONTACT: BILL DREHER, PE, 608.266.8489

FILE NAME : S:\AE\D\Done\125226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715 polymer overlay\b13715gl.polymer overlay.dgn PLOT DATE: 8/14/2019 PLOT TIME: 12:47:40 PM

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STATE PROJECT NUMBER
1001-10-81

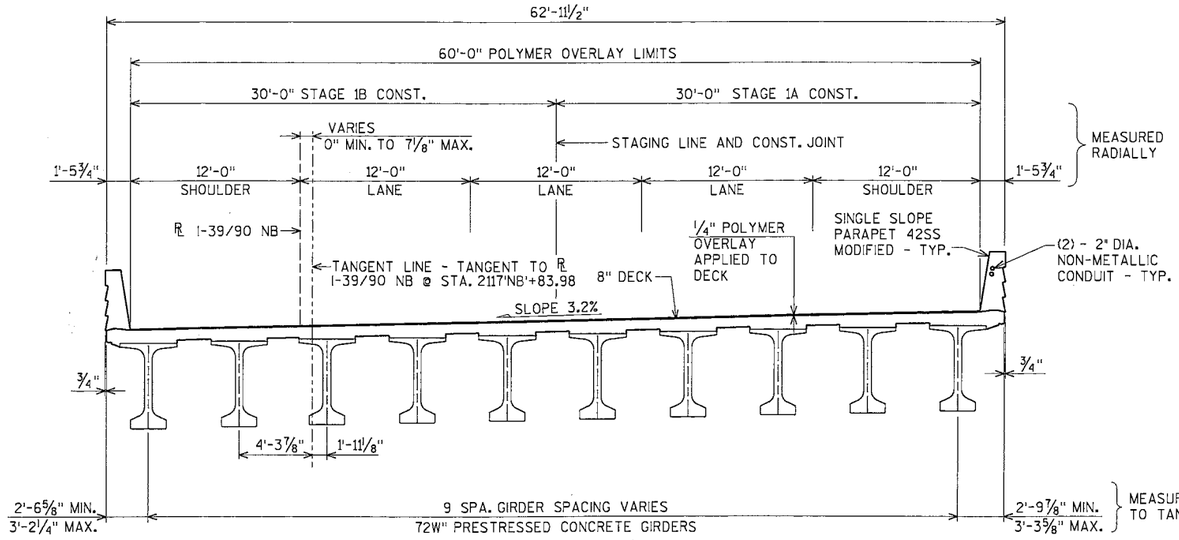


PLAN

SINGLE SPAN - 72W" PRESTRESSED CONCRETE GIRDER BRIDGE (POLYMER OVERLAY)

HORIZONTAL ALIGNMENT
I-39/90 NB

PC = 2105'NB'+96.29
PT = 2141'NB'+69.57
PI = 2124'NB'+24.27
Y = 453423.60
X = 886571.19
DELTA = 29°46'46"
D = 0°50'00"
L = 3573.28
R = 6875.00
SE = 3.2%



TYPICAL SECTION THRU BRIDGE
(LOOKING NORTH)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: 1.20
OPERATING RATING FACTOR: 2.34
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE RATING INCLUDES 5 PSF POLYMER OVERLAY

TRAFFIC DATA:

I-39/90 NB		DROTNING ROAD	
A.A.D.T. =	24,200 (2009)	A.A.D.T. =	<100 (2012)
A.A.D.T. =	70,300 (2040)	A.A.D.T. =	<100 (2040)
R.D.S. =	70 M.P.H.	R.D.S. =	50 M.P.H.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

SEE ROADWAY PLANS FOR TRAFFIC STAGING.

DECK SURFACE PREPERATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

CLEAN AND FILL EXISTING LONGITUDINAL AND TRANSVERSE CRACKS WITH PENETRATING EPOXY AS DIRECTED BY THE FIELD ENGINEER.

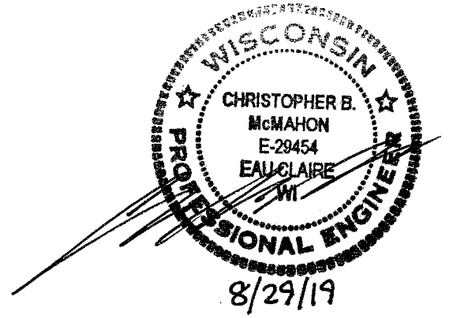
PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF ¼" PLACED ABOVE THE FINAL DECK SURFACE AFTER ALL PREPARATION.

TOTAL ESTIMATED QUANTITIES

509.5100.S POLYMER OVERLAY _____ 1,105 SY

LIST OF DRAWINGS

1. GENERAL PLAN



BRIDGE OFFICE CONTACT:
WILLIAM DREHER
(608)-266-8489

CONSULTANT CONTACT:
CHRIS MCMAHON
(715)-834-3161

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/14/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-717

I-39/90 NB OVER DROTNING ROAD

COUNTY	TOWN ~~CITY/VILLAGE~~
DANE	PLEASANT SPRINGS

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JLB	ZSS	JLB	CBM

GENERAL PLAN

SHEET 1 OF 1
174

DATE:

8

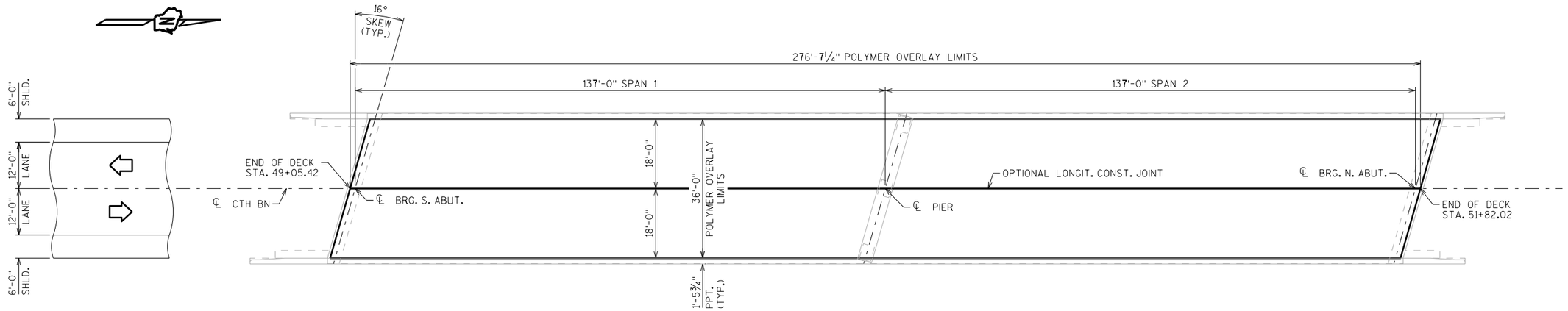
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8/19/2019 PENTABLE:Wisdot_shd.tbl LD

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U:\41-0660.0X - IH-39 Dane Partners General Bridge Information\Polymer Overlays\B-13-717\STRUCTURE\B-

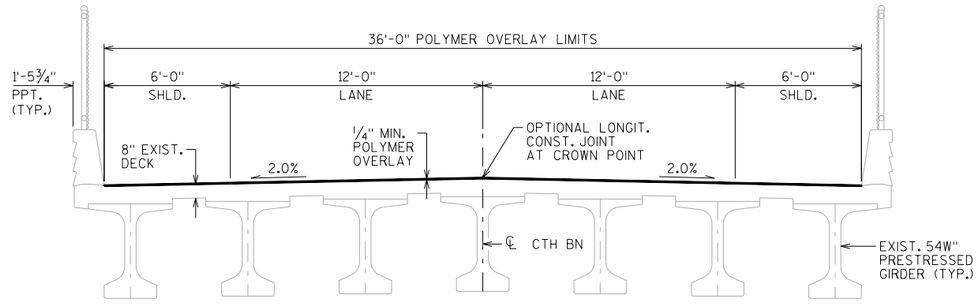
DATE:
DATE:
DATE:
CHECKED BY:
BACK CHECKED BY:
CORRECTED BY:

STATE PROJECT NUMBER
1001-10-81



PLAN

2-SPAN 54W" PRESTRESSED GIRDER BRIDGE



CROSS SECTION THRU ROADWAY

LOOKING NORTH

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.16
OPERATING RATING FACTOR: RF = 1.50
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

TRAFFIC VOLUME

CTH BN
ADT = 365 (2040)
R.D.S. = 60 M.P.H.

IH 39/90
ADT = 70,300 (2040)
R.D.S. = 70 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1,107

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURE DESIGN CONTACTS:
MICAH BROOKS (608) 266-5080
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 2/17/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-718

CTH BN OVER IH 39/90

COUNTY	TOWN
DANE	PLEASANT SPRINGS

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MWB	JLR	MWB	JLR

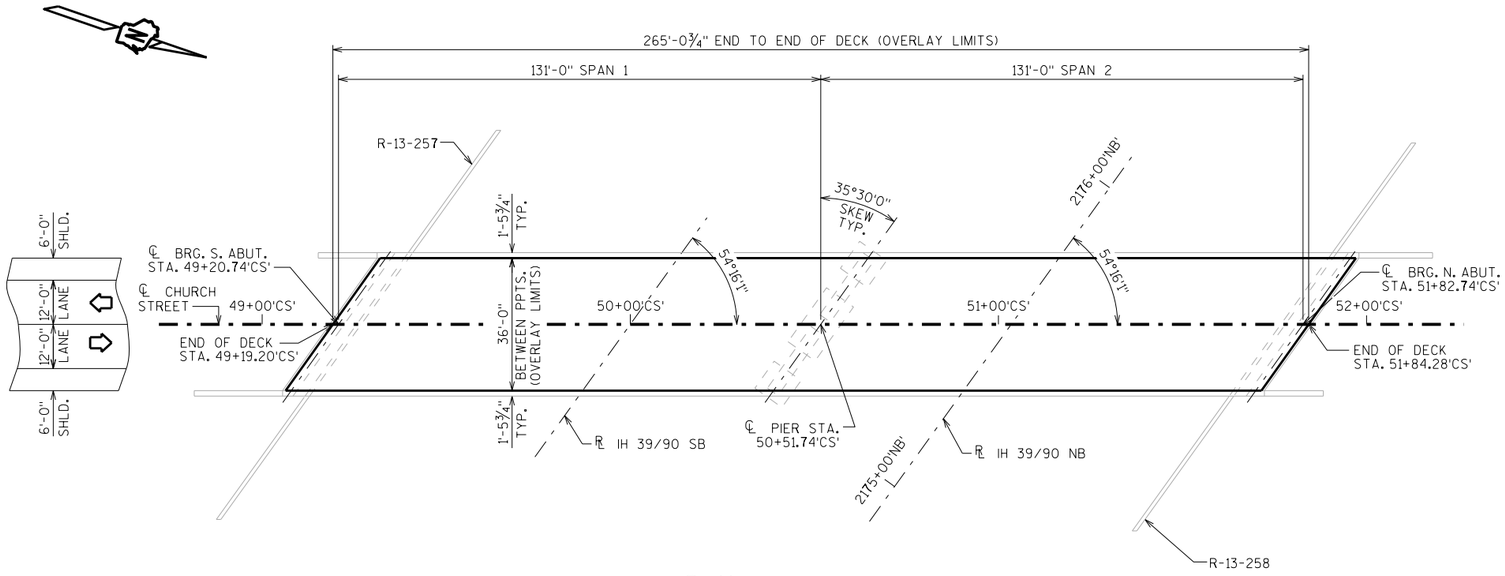
POLYMER OVERLAY

SHEET 1 OF 1

175

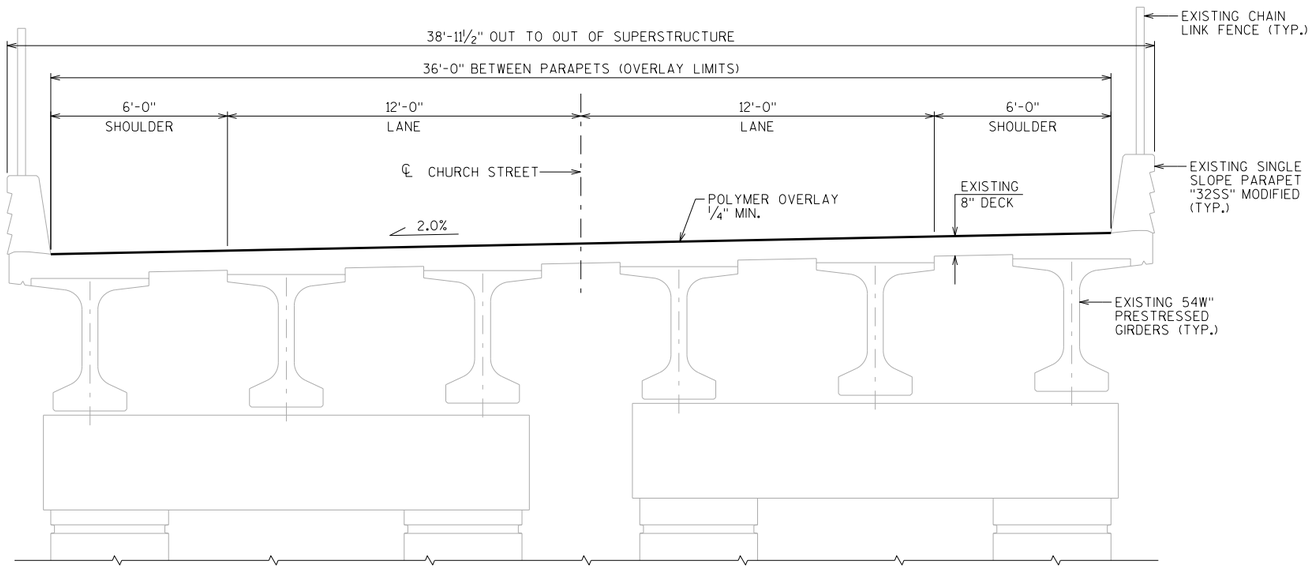
I.D. 1007-10-01BC DATE: SEP. 2019

SCALE = 14.00



PLAN

(2 SPAN-54W" PRESTRESSED CONCRETE GIRDER BRIDGE)



CROSS SECTION THRU ROADWAY

(LOOKING NORTH)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.09
OPERATING RATING FACTOR: RF=1.41
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STATE PROJECT NUMBER

1001-10-81

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

TRAFFIC VOLUME

CHURCH STREET

A.D.T.=140 (2036)
R.D.S.=50 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1,060

LIST OF DRAWINGS

1. POLYMER OVERLAY

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

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher, P.E. 2/17/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-719

CHURCH STREET OVER IH 39/90 NB & SB

COUNTY: DANE
TOWN/~~CITY/VILLAGE~~: PLEASANT SPRINGS
DESIGN SPEC.: REHABILITATION

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MJL	SEW	MJL	SEW

POLYMER OVERLAY

SHEET 1 OF 1

176

I.D. 1007-10-01BB DATE: JAN. 2019

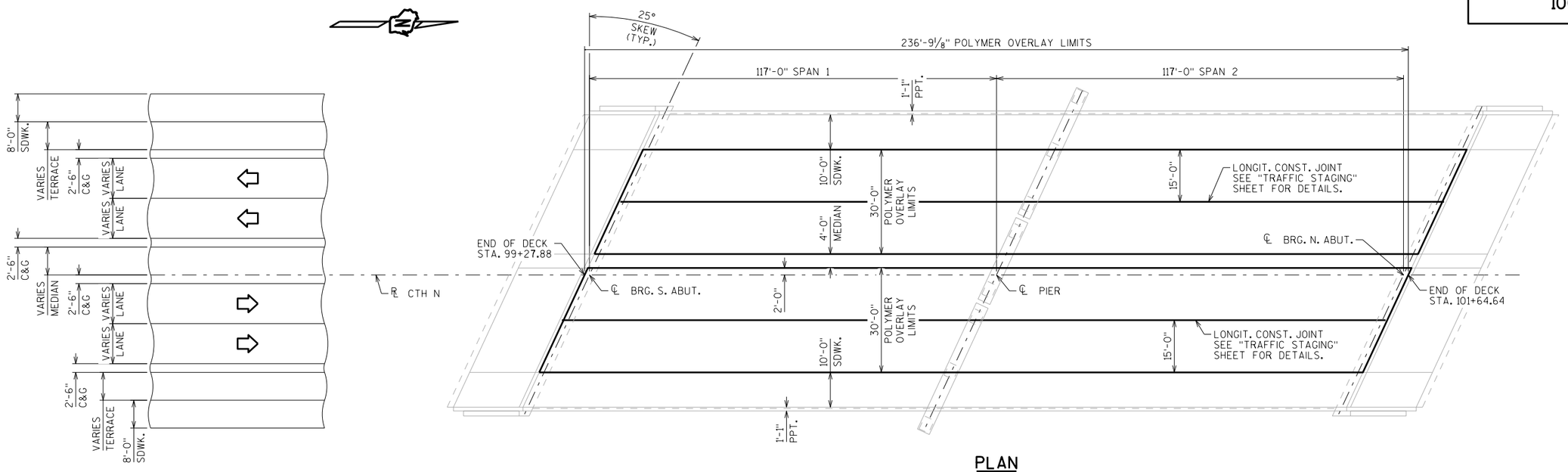
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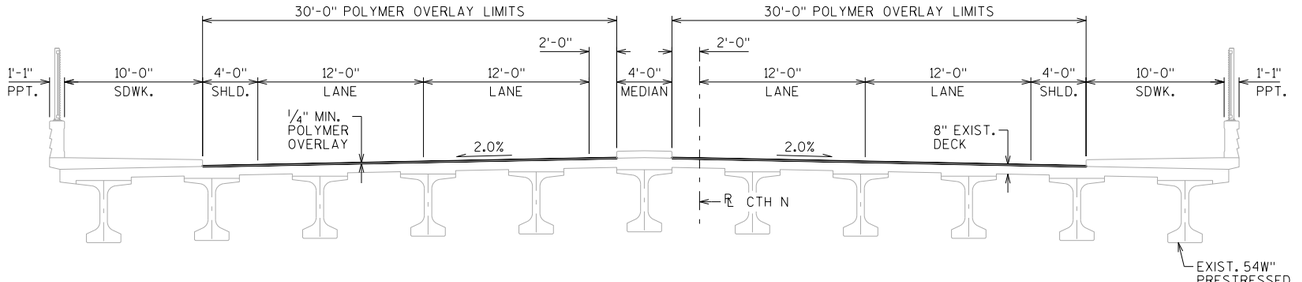
STATE PROJECT NUMBER

1001-10-81



PLAN

2-SPAN 54W" PRESTRESSED GIRDER BRIDGE



CROSS SECTION THRU ROADWAY

LOOKING NORTH

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.13
OPERATING RATING FACTOR: RF = 1.46
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

TRAFFIC VOLUME

CTH N

ADT = 13,010 (2040)
R.D.S. = 40 M.P.H.

IH 39/90

ADT = 70,300 (2040)
R.D.S. = 70 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1,579

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

LIST OF DRAWINGS

1. POLYMER OVERLAY
2. TRAFFIC STAGING

STRUCTURE DESIGN CONTACTS:

MICAH BROOKS (608) 266-5080
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 2/17/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-720

CTH N OVER IH 39/90

COUNTY: DANE | TOWN: PLEASANT SPRINGS

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MWB	JLR	MWB	JLR

POLYMER OVERLAY

SHEET 1 OF 2

177

I.D. 1007-10-01BE

DATE: SEP. 2019

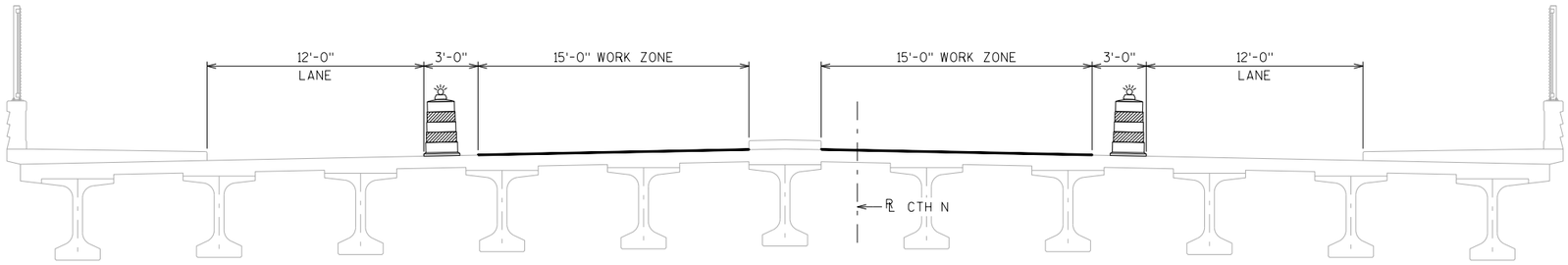
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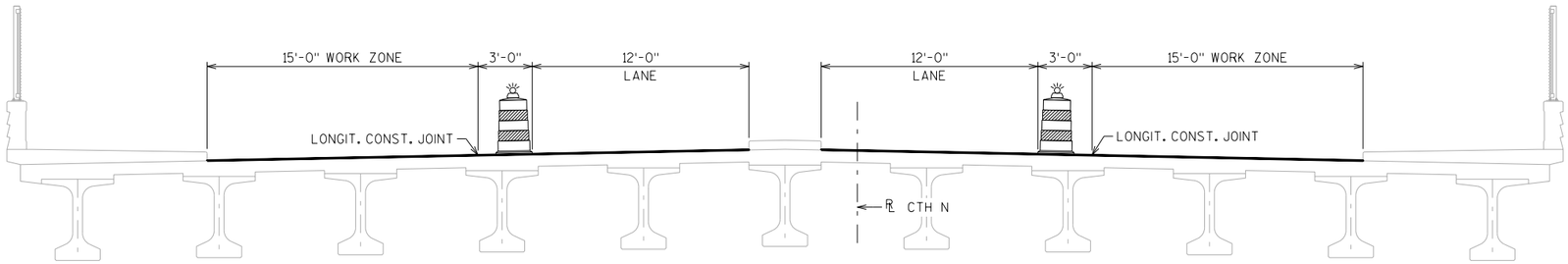
STATE PROJECT NUMBER

1001-10-81



CONSTRUCTION STAGE 1A

LOOKING NORTH



CONSTRUCTION STAGE 1B

LOOKING NORTH

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-720

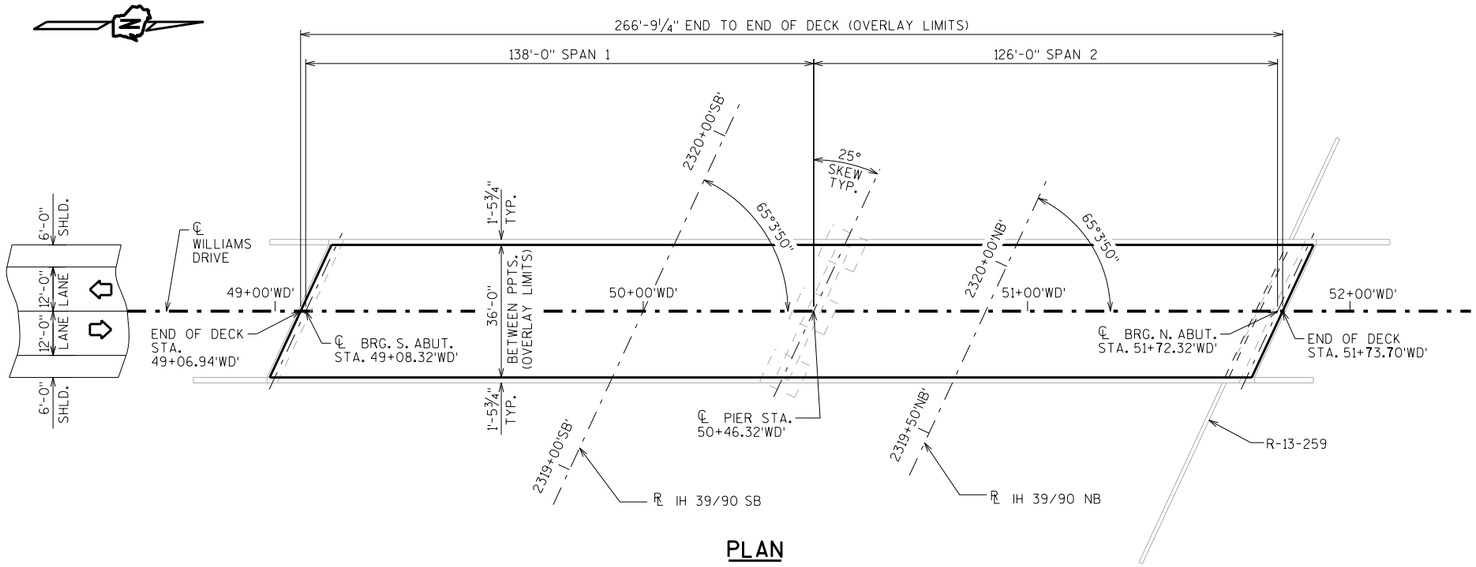
DRAWN BY MWB | PLANS CK'D. JLR

TRAFFIC STAGING

SHEET 2

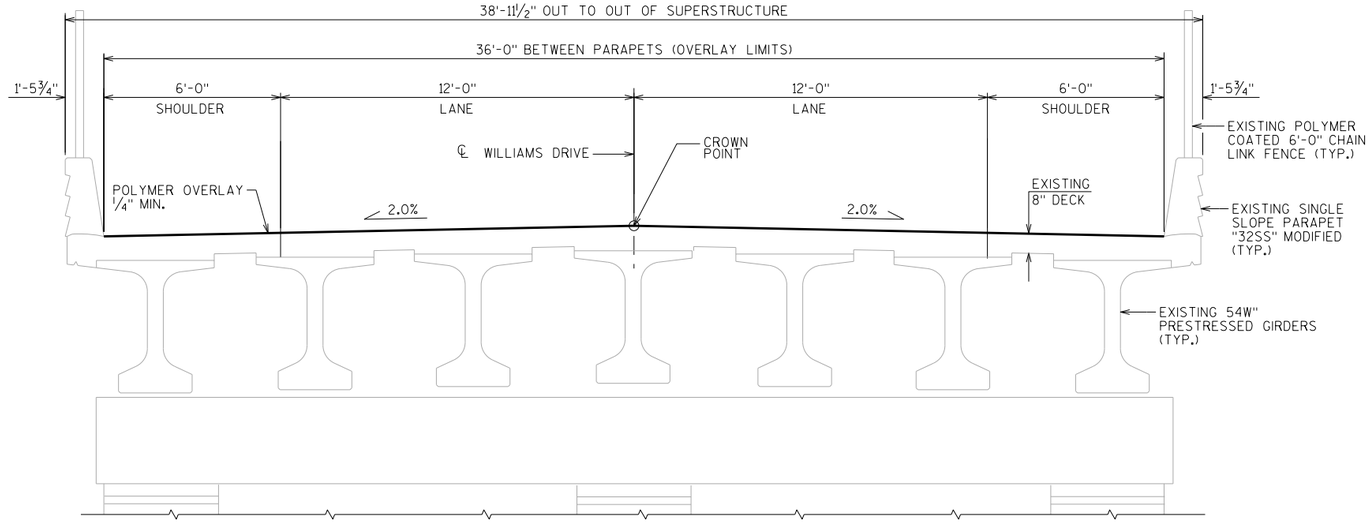
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SCALE = 4.00



PLAN

(2 SPAN-54W" PRESTRESSED CONCRETE GIRDER BRIDGE)



CROSS SECTION THRU ROADWAY

(LOOKING NORTH)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.01
OPERATING RATING FACTOR: RF=1.31
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STATE PROJECT NUMBER

1001-10-81

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

TRAFFIC VOLUME

WILLIAMS DRIVE

A.D.T.=275 (2036)
R.D.S.=50 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1,067

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURE DESIGN CONTACTS:

MICHAEL LARSON (608) 267-4539
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 2/17/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-721

WILLIAMS DRIVE OVER IH 39/90 NB & SB

COUNTY DANE | TOWN/~~CITY/VILLAGE~~ PLEASANT SPRINGS

DESIGN SPEC. REHABILITATION

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MJL	SEW	MJL	SEW

POLYMER OVERLAY

SHEET 1 OF 1

179

I.D. 1007-10-01BD DATE: JAN. 2019

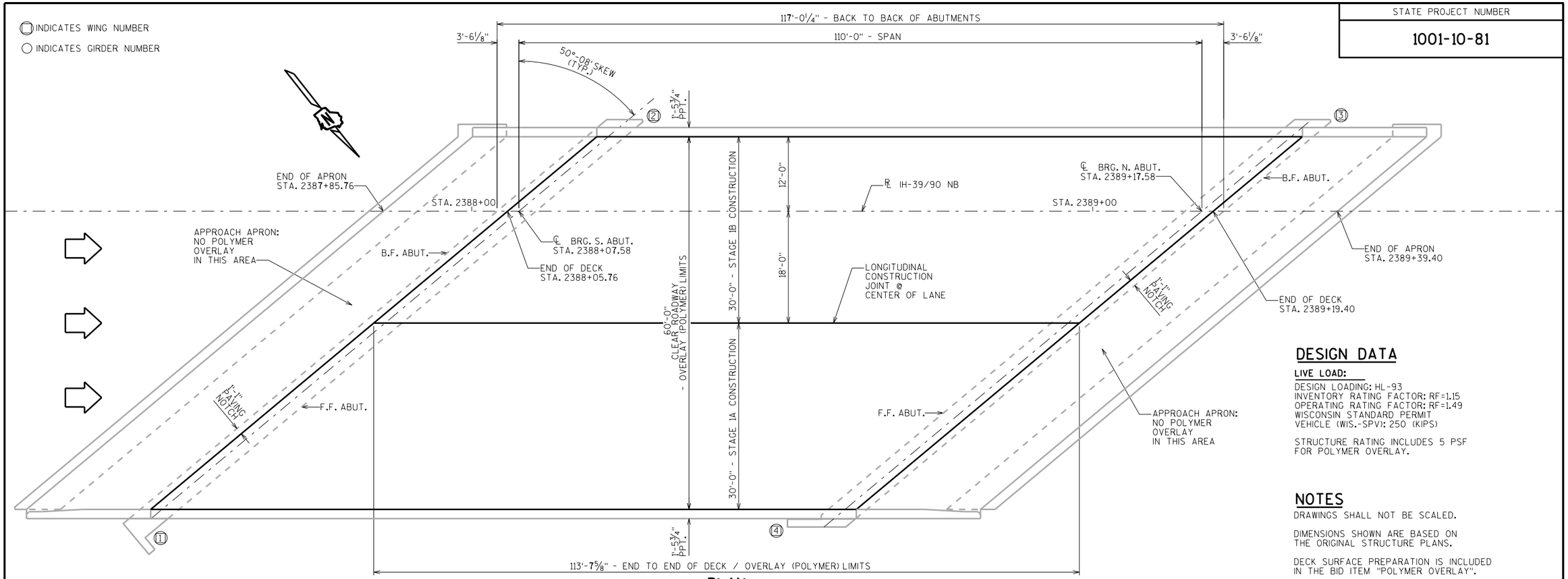
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STATE PROJECT NUMBER

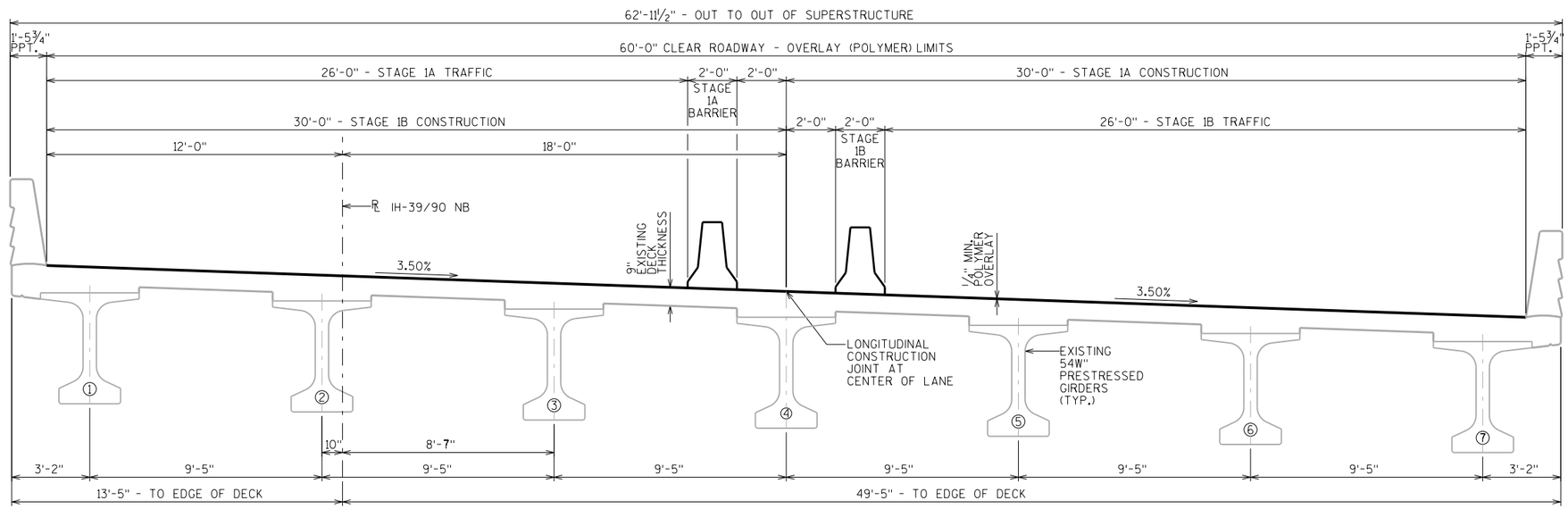
1001-10-81

(□) INDICATES WING NUMBER

(○) INDICATES GIRDER NUMBER



PLAN



TYPICAL CROSS SECTION THRU BRIDGE LOOKING NORTH

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.15
OPERATING RATING FACTOR: RF=1.49
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE RATING INCLUDES 5 PSF FOR POLYMER OVERLAY.

NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

DIRECTION OF TRAFFIC

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	758

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURE DESIGN CONTACTS:
ADAM SWIERCZEK (608) 267-4593
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher AMB 10/31/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-723

IH-39/90 OVER USH MN

COUNTY	TOWN
DANE	PLEASANT SPRINGS

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
ABS	JJS	JPH	JJS

POLYMER OVERLAY

SHEET 1 OF 1

180

I.D. 1007-10-01BM DATE: AUG. 2019

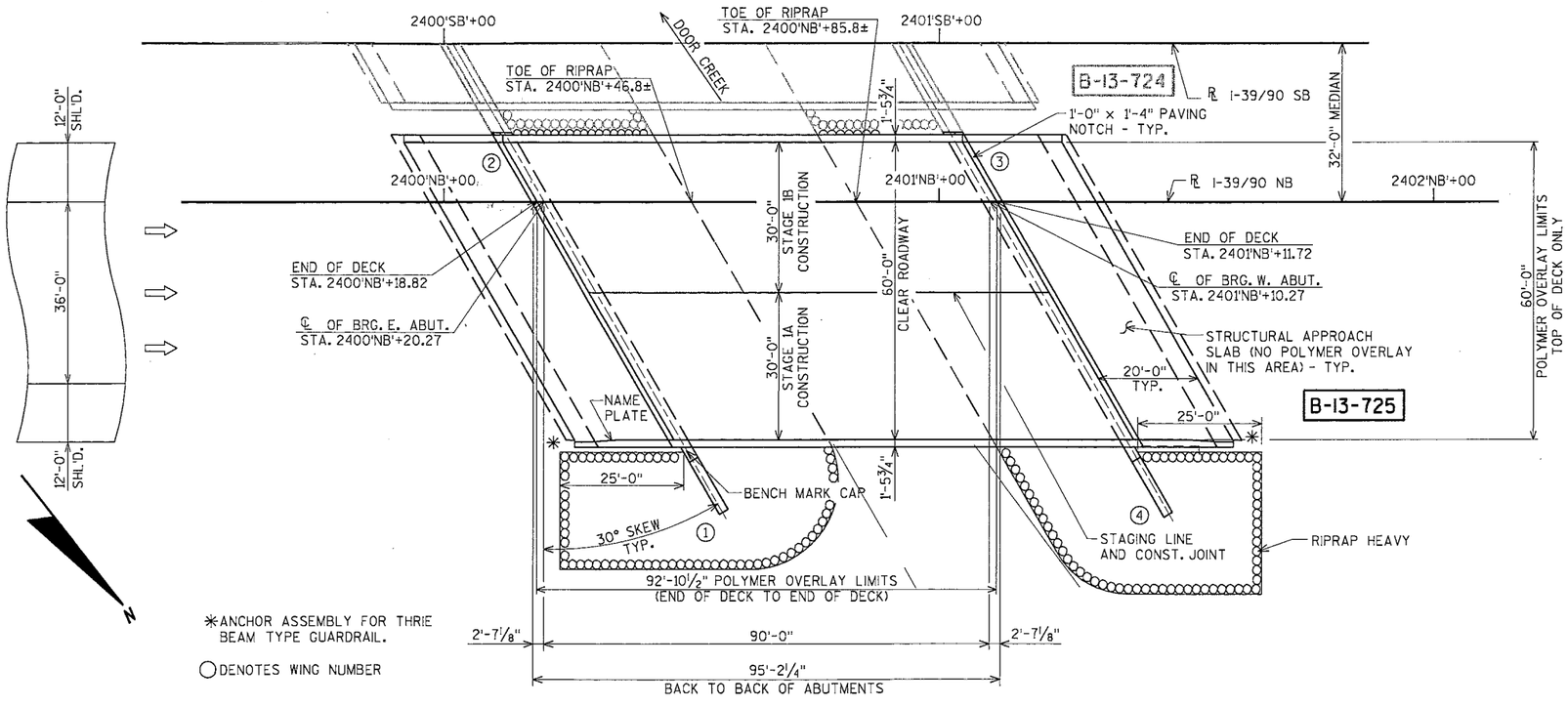
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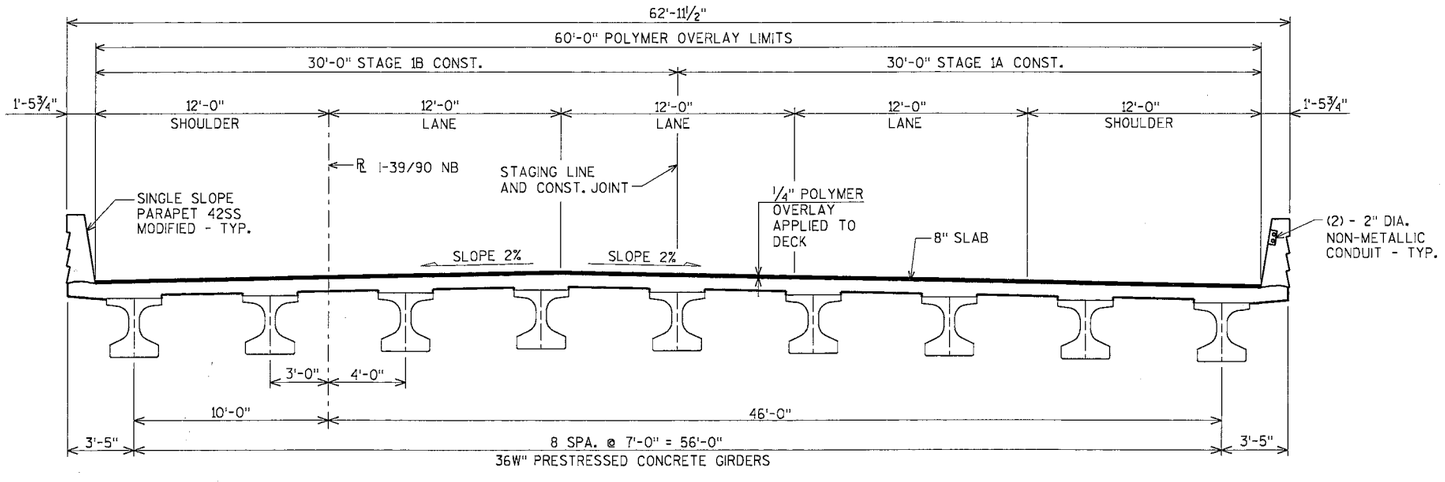
STATE PROJECT NUMBER

1001-10-81



PLAN

SINGLE SPAN - 36W-INCH PRESTRESSED CONCRETE GIRDER BRIDGE
(POLYMER OVERLAY)



TYPICAL SECTION THRU BRIDGE

(LOOKING WEST)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: 1.05
OPERATING RATING FACTOR: 1.97
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE RATING INCLUDES 5 PSF POLYMER OVERLAY

TRAFFIC DATA:

I-39/90 NB
A.A.D.T. = 24,200 (2009)
A.A.D.T. = 71,800 (2040)
R.D.S. = 70 M.P.H.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

SEE ROADWAY PLANS FOR TRAFFIC STAGING.

DECK SURFACE PREPERATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

CLEAN AND FILL EXISTING LONGITUDINAL AND TRANSVERSE CRACKS WITH PENETRATING EPOXY AS DIRECTED BY THE FIELD ENGINEER.

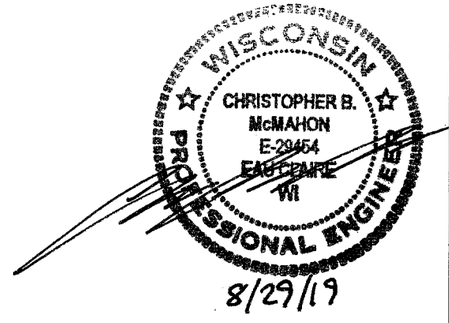
PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF ¼" PLACED ABOVE THE FINAL DECK SURFACE AFTER ALL PREPARATION.

TOTAL ESTIMATED QUANTITIES

509.5100.S POLYMER OVERLAY _____ 620 SY

LIST OF DRAWINGS

1. GENERAL PLAN



BRIDGE OFFICE CONTACT:
WILLIAM DREHER
(608)-266-8489

CONSULTANT CONTACT:
CHRIS MCMAHON
(715)-834-3161

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/14/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-725

I-39/90 NB OVER DOOR CREEK

COUNTY	TOWN/~~CITY/VILLAGE~~
DANE	PLEASANT SPRINGS

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JLB	ZSS	JLB	CBM

GENERAL PLAN

SHEET 181 OF 1

L.D. DATE:

DATE: DATE: DATE:
CHECKED BY: BACK CHECKED BY: CORRECTED BY:

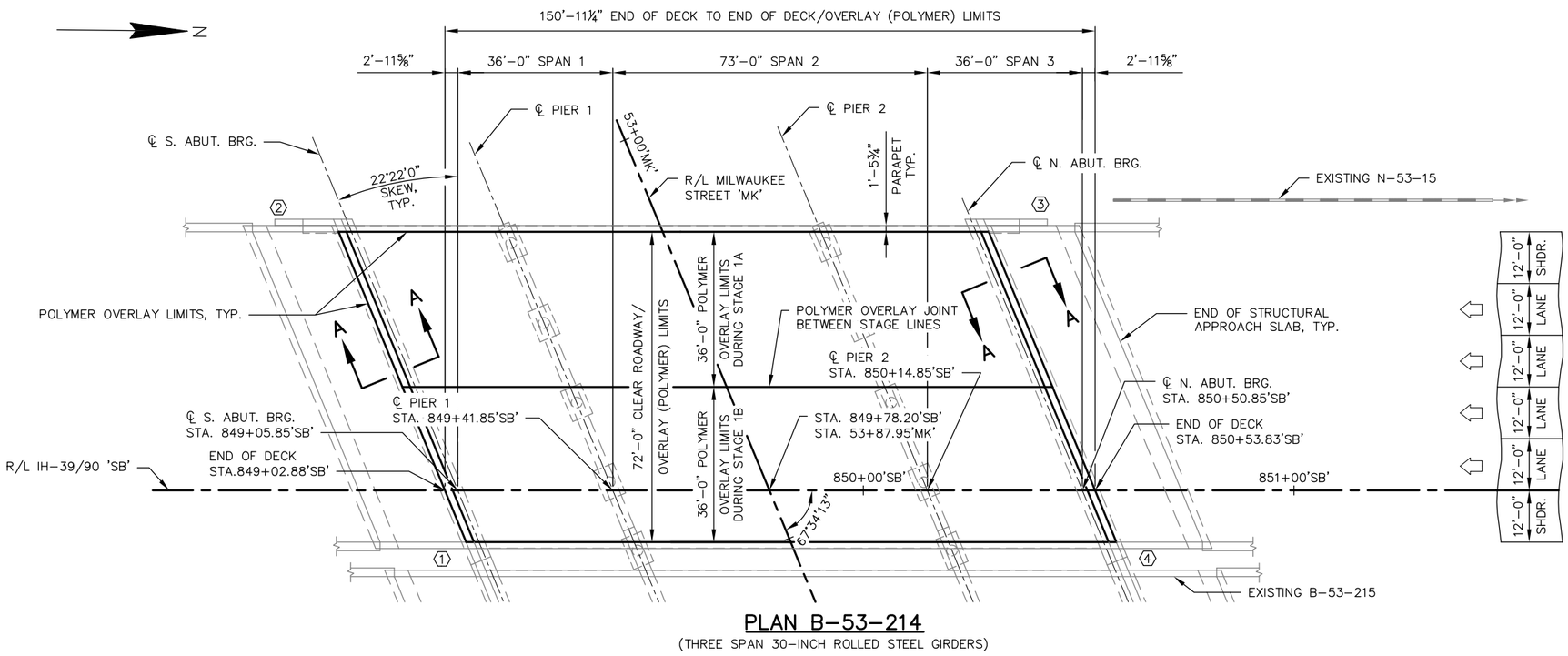
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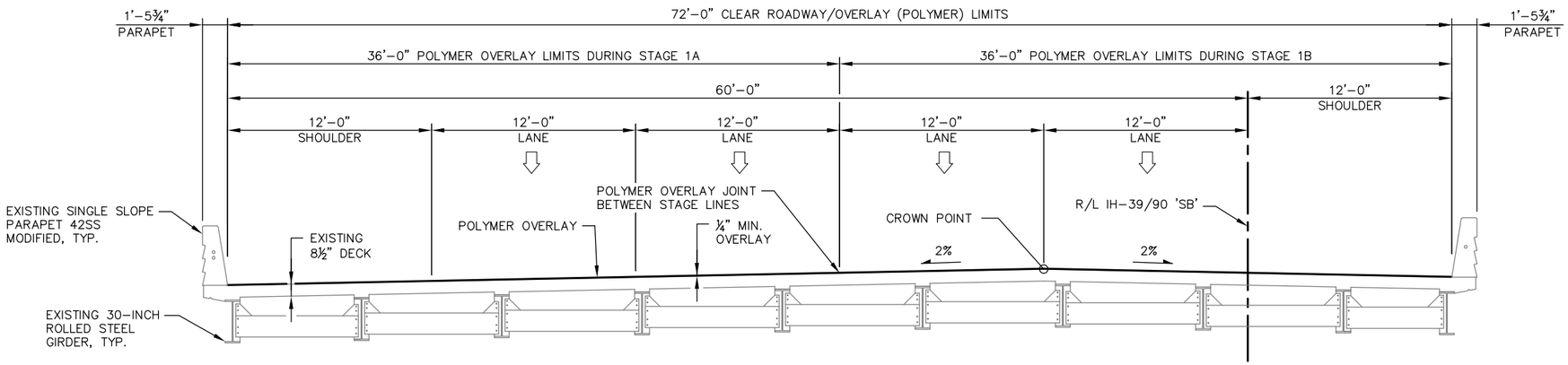
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STATE PROJECT NUMBER
1001-10-81



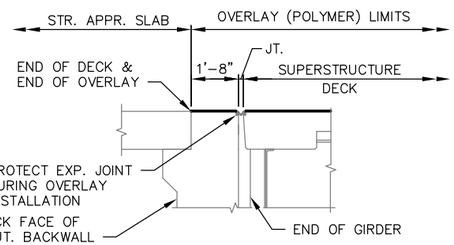
PLAN B-53-214

(THREE SPAN 30-INCH ROLLED STEEL GIRDERS)



CROSS SECTION THRU IH-39/90 'SB' IN SPAN

(LOOKING NORTH)



SECTION A-A

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1208

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
353H	849+24.60	DISK B-53-215, 35.7' RT	875.57

HORIZONTAL DATUM AND ADJUSTMENT: NAD 83 (2007)
VERTICAL DATUM AND ADJUSTMENT: NAVD 88 (2007)
COORDINATE REFERENCE SYSTEM: WCCS ROCK CO

TRAFFIC DATA:

IH-39/90
A.A.D.T. (2017) ——— 59,000
A.A.D.T. (2040) ——— 92,400
DESIGN SPEED ——— 70 M.P.H.

MILWAUKEE STREET
A.A.D.T. (2017) ——— 11,500
A.A.D.T. (2036) ——— 12,800
DESIGN SPEED ——— 35 M.P.H.

DESIGN DATA

LIVE LOAD:

DESIGN LOADING ——— HL-93
INVENTORY RATING FACTOR ——— RF=1.20
OPERATING RATING FACTOR ——— RF=1.55
WISCONSIN STANDARD PERMIT VEHICLE RATING (WIS.-SPV): — 250 KIPS

STRUCTURE IS RATED FOR A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. POLYMER OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLABS.

⬡ INDICATES WING NUMBER

WISCONSIN
JEFFREY J. KOCH
E-28802
PLAIN, WISCONSIN
PROFESSIONAL ENGINEER

8/13/2019

LIST OF DRAWINGS

1. GENERAL PLAN

CONSULTANT CONTACT
JEFFREY J. KOCH, P.E.
(608) 588-7866

BRIDGE OFFICE CONTACT
WILLIAM DREHER, P.E.
(608) 266-8489

NO.	DATE	REVISION	BY

WESTBROOK Associated Engineers, Inc.
619 EAST HOXIE STREET
P.O. BOX 429
SPRING GREEN, WI 53588
PHONE (608) 588-7866
FAX (608) 588-7954

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/18/19
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-53-214

IH-39/90 'SB' OVER MILWAUKEE STREET

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
ROCK	JANESVILLE

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JDO	CDS	JDO	JJK

GENERAL PLAN

SHEET 1 OF 1

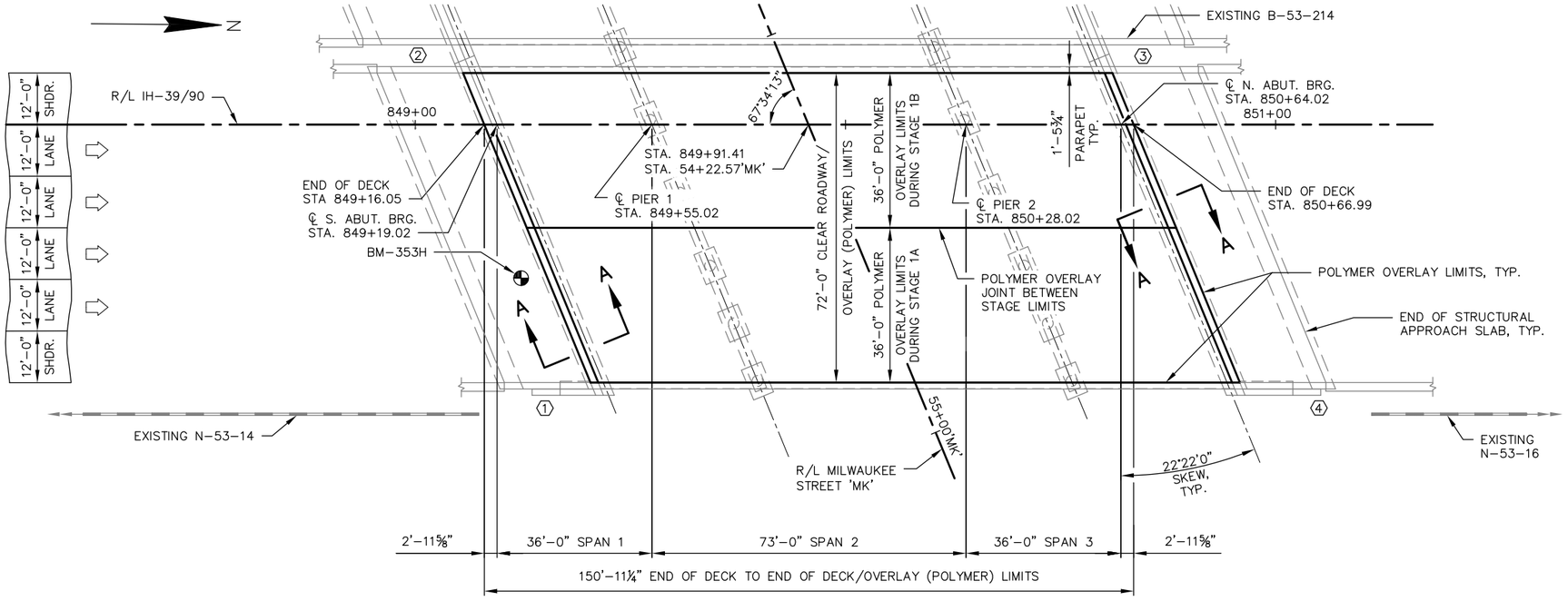
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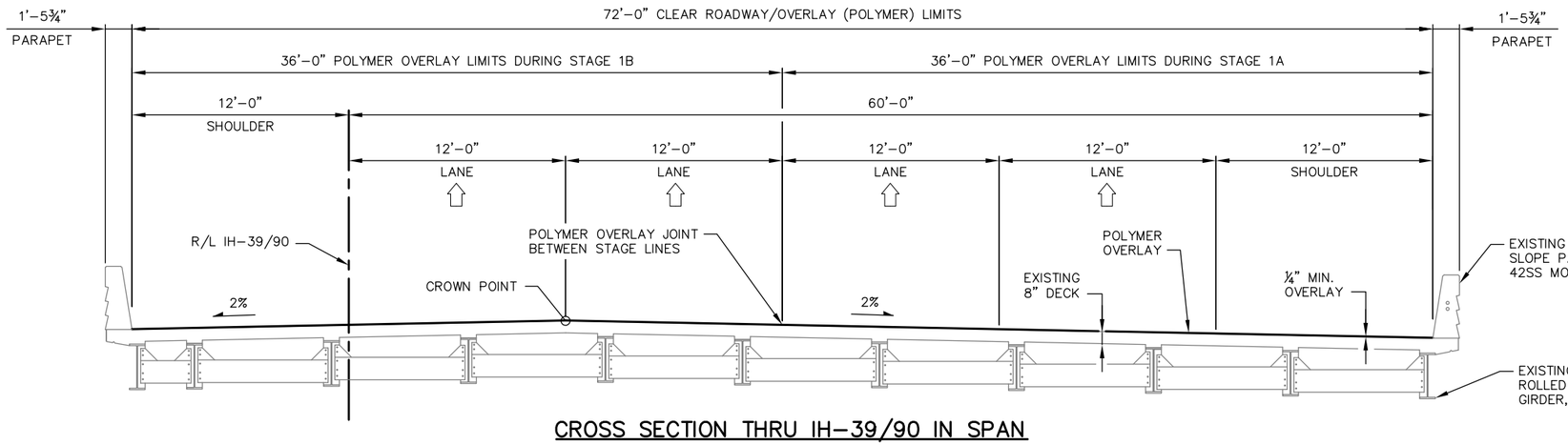
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PLOT SCALE:

I.D. 1001-10-81 PLOT DATE: Aug 13, 2019



PLAN B-53-215

(THREE SPAN 30-INCH ROLLED STEEL GIRDERS)



CROSS SECTION THRU IH-39/90 IN SPAN

(LOOKING NORTH)

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1208

BENCH MARKS

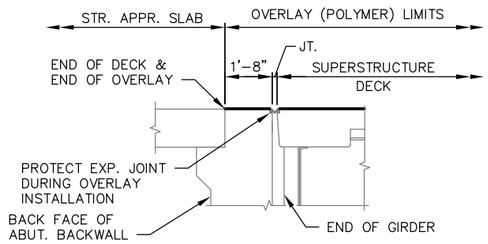
NO.	STATION	DESCRIPTION	ELEVATION
353H	849+24.60	DISK B-53-215, 35.7' RT	875.57

HORIZONTAL DATUM AND ADJUSTMENT: NAD 83 (2007)
VERTICAL DATUM AND ADJUSTMENT: NAVD 88 (2007)
COORDINATE REFERENCE SYSTEM: WCCS ROCK CO

TRAFFIC DATA:

IH-39/90
A.A.D.T. (2017) ——— 59,000
A.A.D.T. (2040) ——— 92,400
DESIGN SPEED ——— 70 M.P.H.

MILWAUKEE STREET
A.A.D.T. (2017) ——— 11,500
A.A.D.T. (2036) ——— 12,800
DESIGN SPEED ——— 35 M.P.H.



SECTION A-A

DESIGN DATA

LIVE LOAD:

DESIGN LOADING ——— HL-93
INVENTORY RATING FACTOR ——— RF=1.29
OPERATING RATING FACTOR ——— RF=1.67
WISCONSIN STANDARD PERMIT VEHICLE RATING (WIS.-SPV): — 250 KIPS

STRUCTURE IS RATED FOR A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. POLYMER OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLABS.

⬡ INDICATES WING NUMBER

WISCONSIN
JEFFREY J. KOCH
E-28802
PLAIN, WISCONSIN
PROFESSIONAL ENGINEER

8/13/2019

LIST OF DRAWINGS

1. GENERAL PLAN

CONSULTANT CONTACT
JEFFREY J. KOCH, P.E.
(608) 588-7866

BRIDGE OFFICE CONTACT
WILLIAM DREHER, P.E.
(608) 266-8489

NO.	DATE	REVISION	BY

WESTBROOK Associated Engineers, Inc.
619 EAST HOXIE STREET
P.O. BOX 429
SPRING GREEN, WI 53588
PHONE (608) 588-7866
FAX (608) 588-7954

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/18/19
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STATE PROJECT NUMBER
1001-10-81

STRUCTURE B-53-215

IH-39/90 OVER MILWAUKEE STREET

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
ROCK	JANESVILLE

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JDO	CDS	JDO	JJK

GENERAL PLAN

SHEET 1 OF 1

183

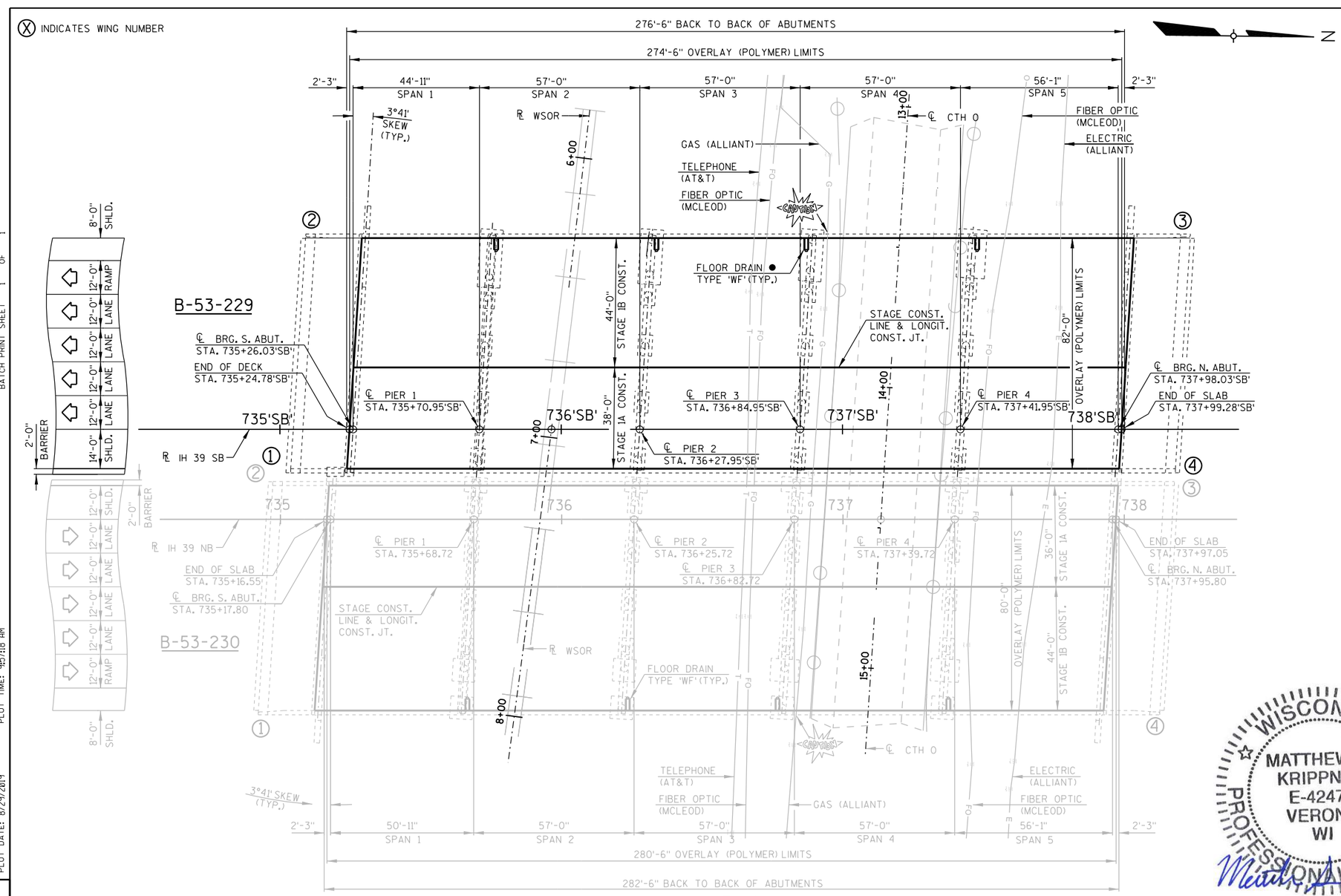
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I.D. 1001-10-81 PLOT DATE: Aug 13, 2019

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PLOT DATE: 8/29/2019 PLOT TIME: 9:57:18 AM
BATCH PRINT SHEET 1 OF 1



PLAN
(5-SPAN, 36" PRESTRESSED CONCRETE GIRDERS)

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	2,510

STATE PROJECT NUMBER

1001-10-81

DESIGN DATA

DESIGN RATING: HS20
INVENTORY RATING: HS20
OPERATIONAL RATING: HS33
WISCONSIN STANDARD PERMIT VEHICLE (Wis-SPV) = 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 PSF.

RATINGS INCLUDE 5 PSF FOR POLYMER OVERLAY.

TRAFFIC DATA

IH 39/90 SB	CTH O
A.D.T. (2020) = 32,550	A.D.T. (2015) = 3,900
A.D.T. (2040) = 47,150	A.D.T. (2040) = 6,300
R.D.S. = 70 MPH	R.D.S. = 50 MPH

LIST OF DRAWINGS

1. POLYMER OVERLAY
2. CONSTRUCTION STAGING

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS ARE BASED ON EXISTING ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN BID ITEM "POLYMER OVERLAY".

- PROTECT FLOOR DRAINS FROM MATERIALS ADHERING AND ENTERING DURING OVERLAY INSTALLATION, TYP.

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLAB.

WISCONSIN
MATTHEW S. KRIPPNER
E-42470
VERONA
WI
PROFESSIONAL ENGINEER

8/30/2019

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
BILL DREHER (608) 266-8489

CONSULTANT:
MATT KRIPPNER (608) 828-8123

NO.	DATE	REVISION	BY

AECOM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/18/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-229

SB IH 39/90 OVER CTH O & WSOR

COUNTY	TOWN/~~CITY/VILLAGE~~
ROCK	LA PRAIRIE

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MSK	KRH	TAW	MSK

POLYMER OVERLAY

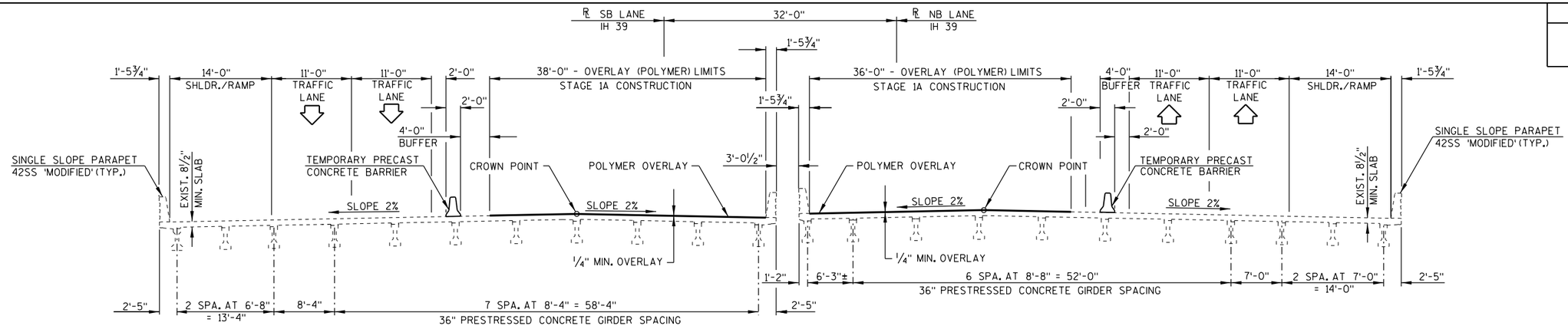
SHEET 1 OF 2
184

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BATCH PRINT SHEET 1 OF 1

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STATE PROJECT NUMBER

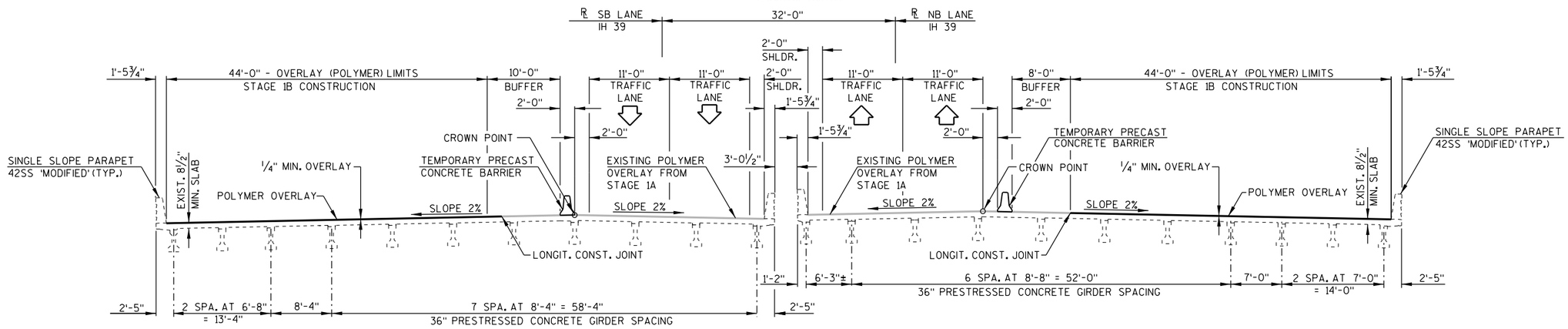
1001-10-81



B-53-229
(SOUTHBOUND LANES STRUCTURE)

B-53-230
(NORTHBOUND LANES STRUCTURE)

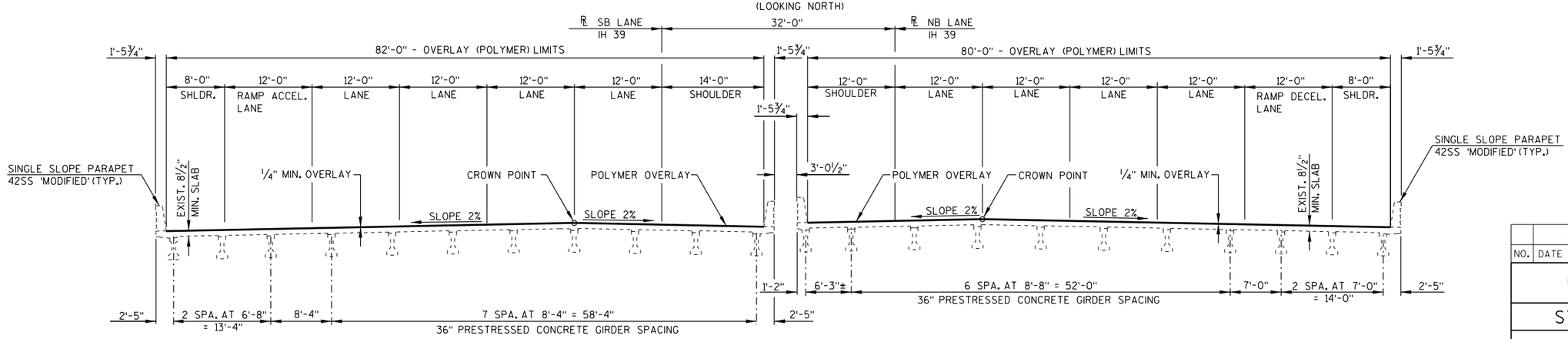
STAGE 1A CONSTRUCTION
(LOOKING NORTH)



B-53-229
(SOUTHBOUND LANES STRUCTURE)

B-53-230
(NORTHBOUND LANES STRUCTURE)

STAGE 1B CONSTRUCTION
(LOOKING NORTH)



B-53-229
(SOUTHBOUND LANES STRUCTURE)

B-53-230
(NORTHBOUND LANES STRUCTURE)

FINAL TYPICAL CROSS SECTION THRU ROADWAY
(LOOKING NORTH)

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-53-229

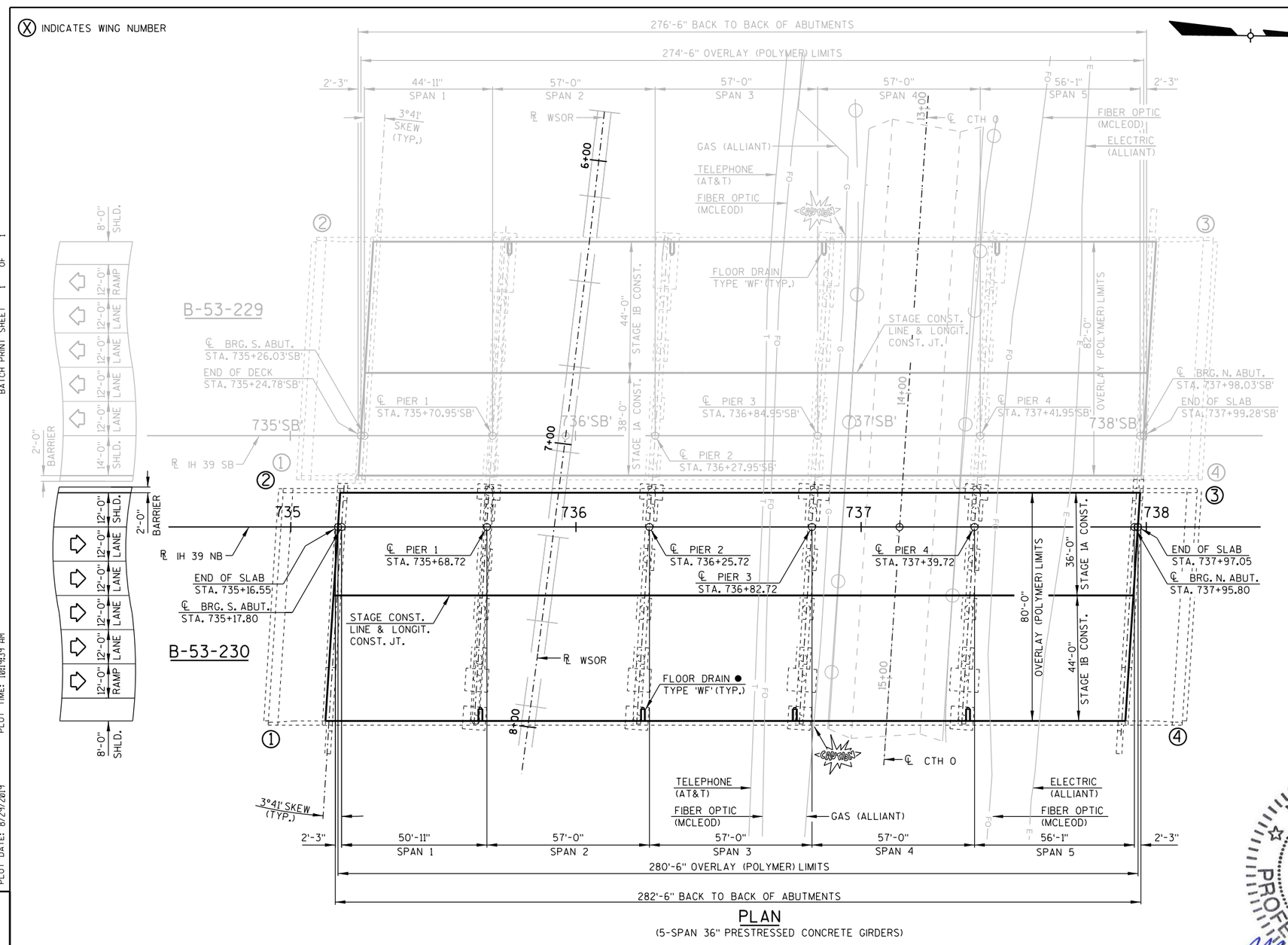
DRAWN BY TAW | PLANS CK'D. MSK

CONSTRUCTION STAGING

SHEET 2 OF 2
185

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BATCH PRINT SHEET 1 OF 1

8



PLAN
(5-SPAN 36" PRESTRESSED CONCRETE GIRDERS)

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	2,500

STATE PROJECT NUMBER

1001-10-81

DESIGN DATA

DESIGN RATING: HS20
INVENTORY RATING: HS20
OPERATIONAL RATING: HS34
WISCONSIN STANDARD PERMIT VEHICLE (Wis-SPV) = 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 PSF.

RATINGS INCLUDE 5 PSF FOR POLYMER OVERLAY.

TRAFFIC DATA

IH 39/90 NB	CTH O
A.D.T. (2020) = 32,550	A.D.T. (2015) = 3,900
A.D.T. (2040) = 47,150	A.D.T. (2040) = 6,300
R.D.S. = 70 MPH	R.D.S. = 50 MPH

LIST OF DRAWINGS

1. POLYMER OVERLAY
2. CONSTRUCTION STAGING

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS ARE BASED ON EXISTING ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN BID ITEM "POLYMER OVERLAY".

- PROTECT FLOOR DRAINS FROM MATERIALS ADHERING AND ENTERING DURING OVERLAY INSTALLATION, TYP.

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLAB.

WISCONSIN
MATTHEW S. KRIPPNER
E-42470
VERONA
WI
PROFESSIONAL ENGINEER

8/30/2019

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
BILL DREHER (608) 266-8489

CONSULTANT:
MATT KRIPPNER (608) 828-8123

NO.	DATE	REVISION	BY

AECOM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/18/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-230

NB IH 39/90 OVER CTH O & WSOR

COUNTY	TOWN/~~CITY/VILLAGE~~
ROCK	LA PRAIRIE

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MSK	KRH	TAW	MSK

POLYMER OVERLAY

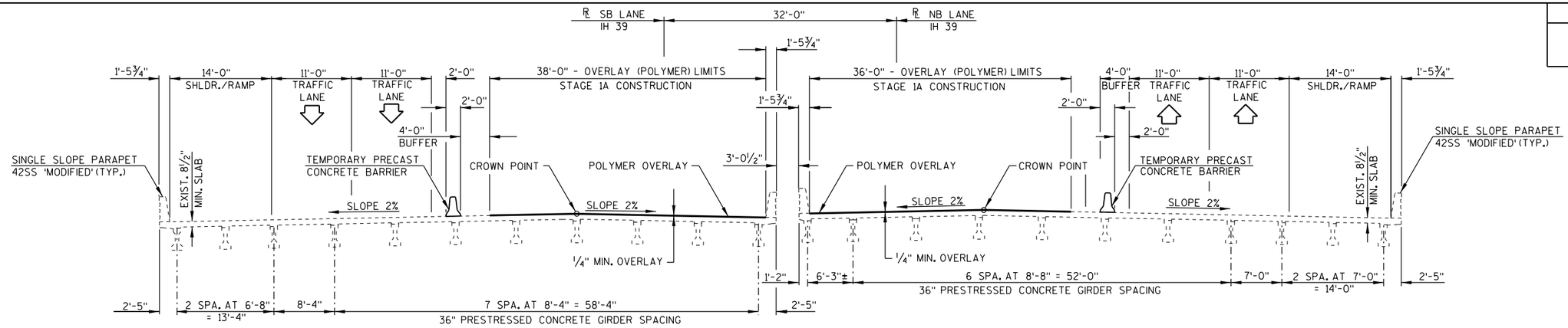
SHEET 1 OF 2
186

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STATE PROJECT NUMBER

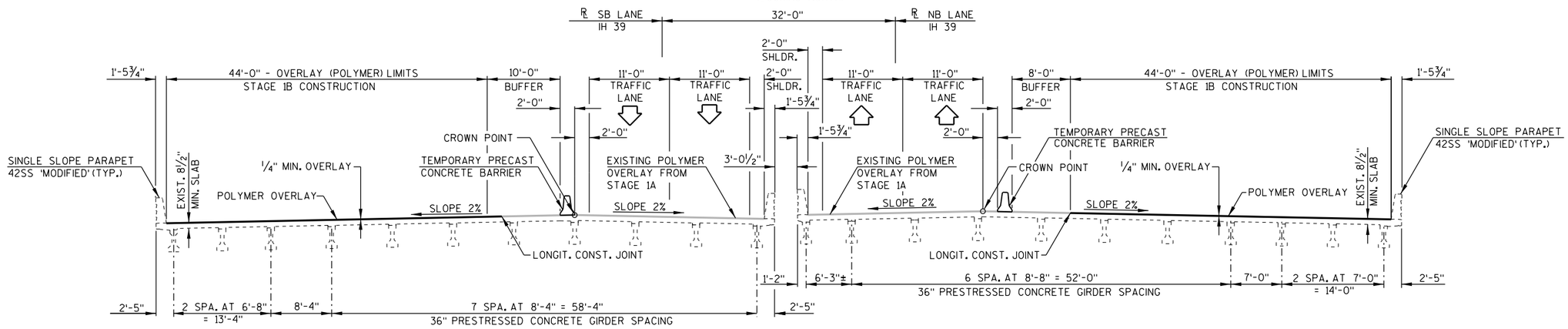
1001-10-81



B-53-229
(SOUTHBOUND LANES STRUCTURE)

B-53-230
(NORTHBOUND LANES STRUCTURE)

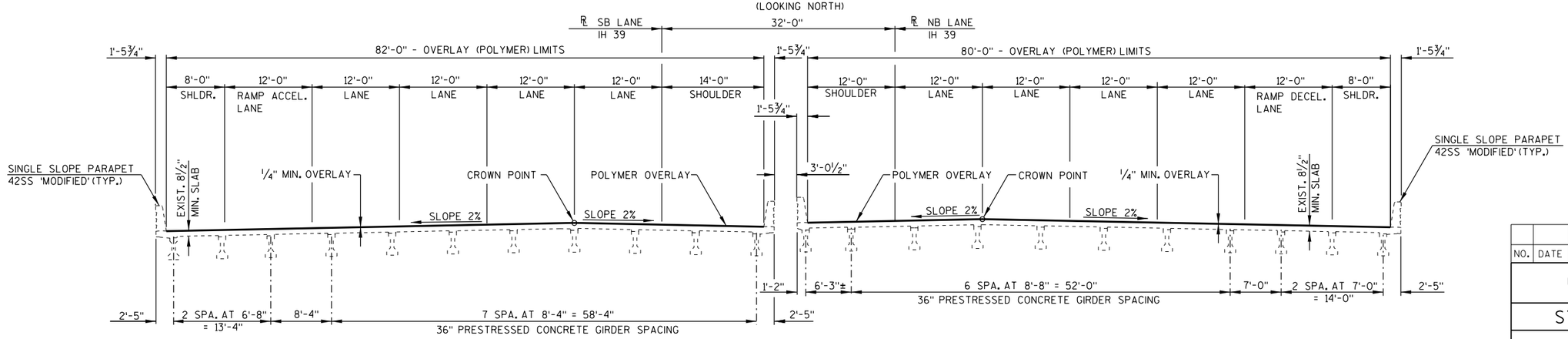
STAGE 1A CONSTRUCTION
(LOOKING NORTH)



B-53-229
(SOUTHBOUND LANES STRUCTURE)

B-53-230
(NORTHBOUND LANES STRUCTURE)

STAGE 1B CONSTRUCTION
(LOOKING NORTH)



B-53-229
(SOUTHBOUND LANES STRUCTURE)

B-53-230
(NORTHBOUND LANES STRUCTURE)

FINAL TYPICAL CROSS SECTION THRU ROADWAY
(LOOKING NORTH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-53-230

DRAWN BY TAW | PLANS CK'D. MSK

CONSTRUCTION STAGING

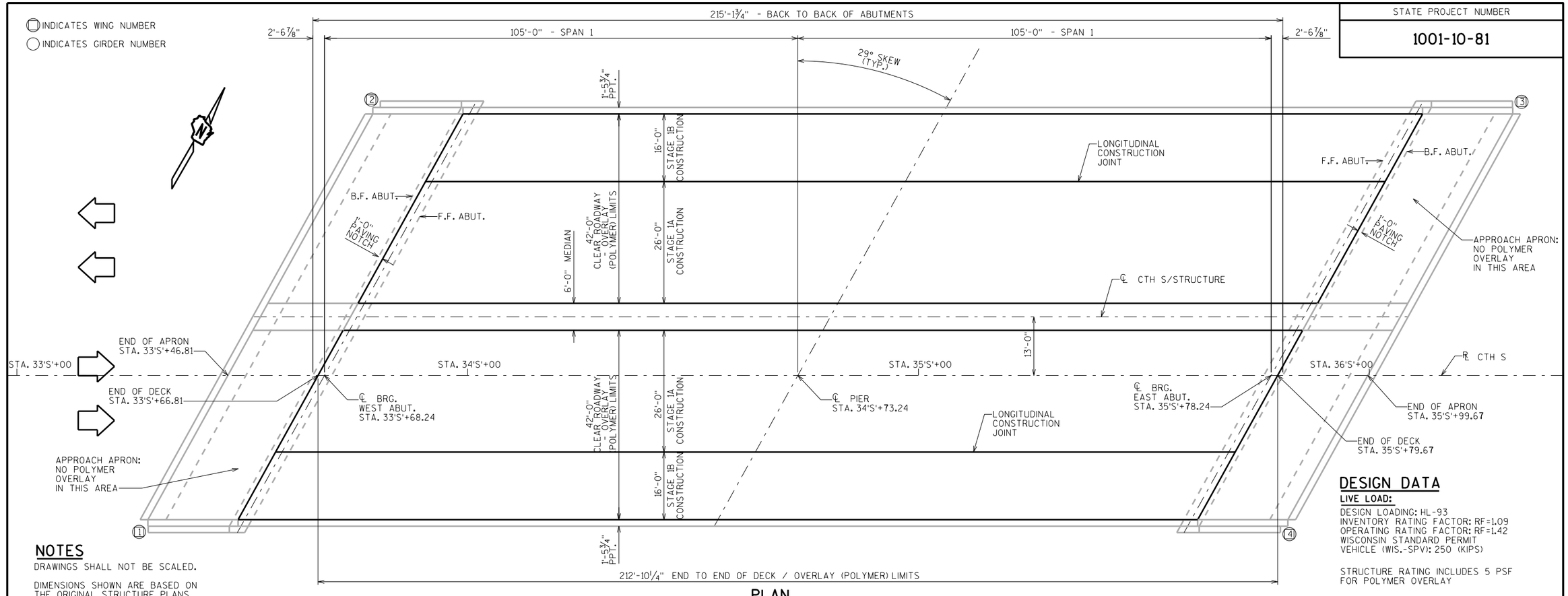
SHEET 2 OF 2
187

STATE PROJECT NUMBER

1001-10-81

INDICATES WING NUMBER

INDICATES GIRDER NUMBER



PLAN

NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

DIRECTION OF TRAFFIC

DESIGN DATA

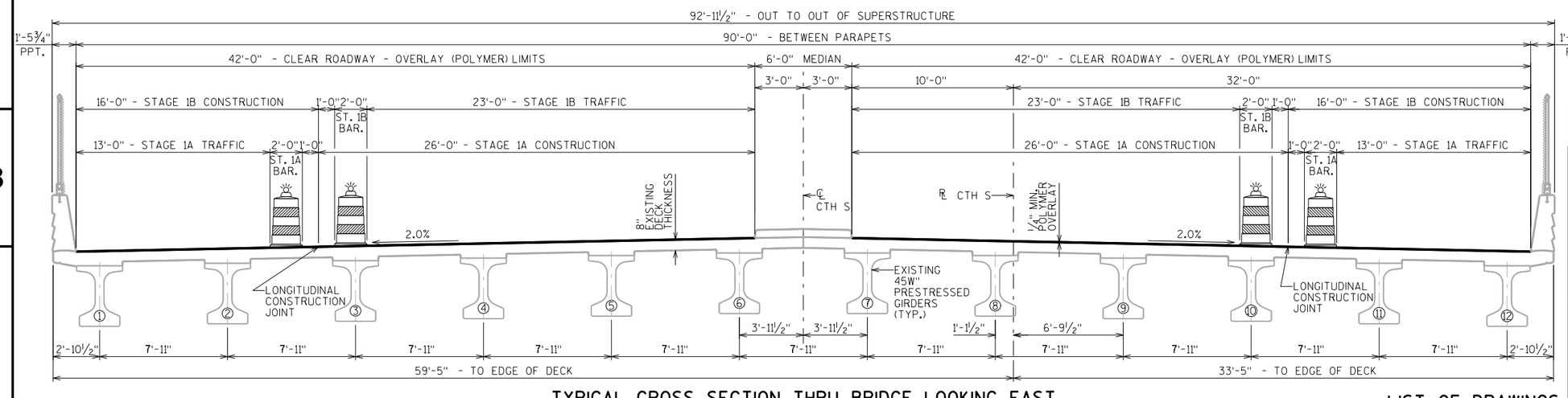
LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.09
OPERATING RATING FACTOR: RF=1.42
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE RATING INCLUDES 5 PSF FOR POLYMER OVERLAY

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1987



TYPICAL CROSS SECTION THRU BRIDGE LOOKING EAST

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURE DESIGN CONTACTS:

STACIE WEIS (608) 261-6109
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 10/31/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-313

CTH S OVER IH 39 NB & SB

COUNTY ROCK | TOWN TURTLE

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY SEW | DESIGNED CK'D. JJS | DRAWN BY JPH | PLANS CK'D. JJS

POLYMER OVERLAY

SHEET 1 OF 1

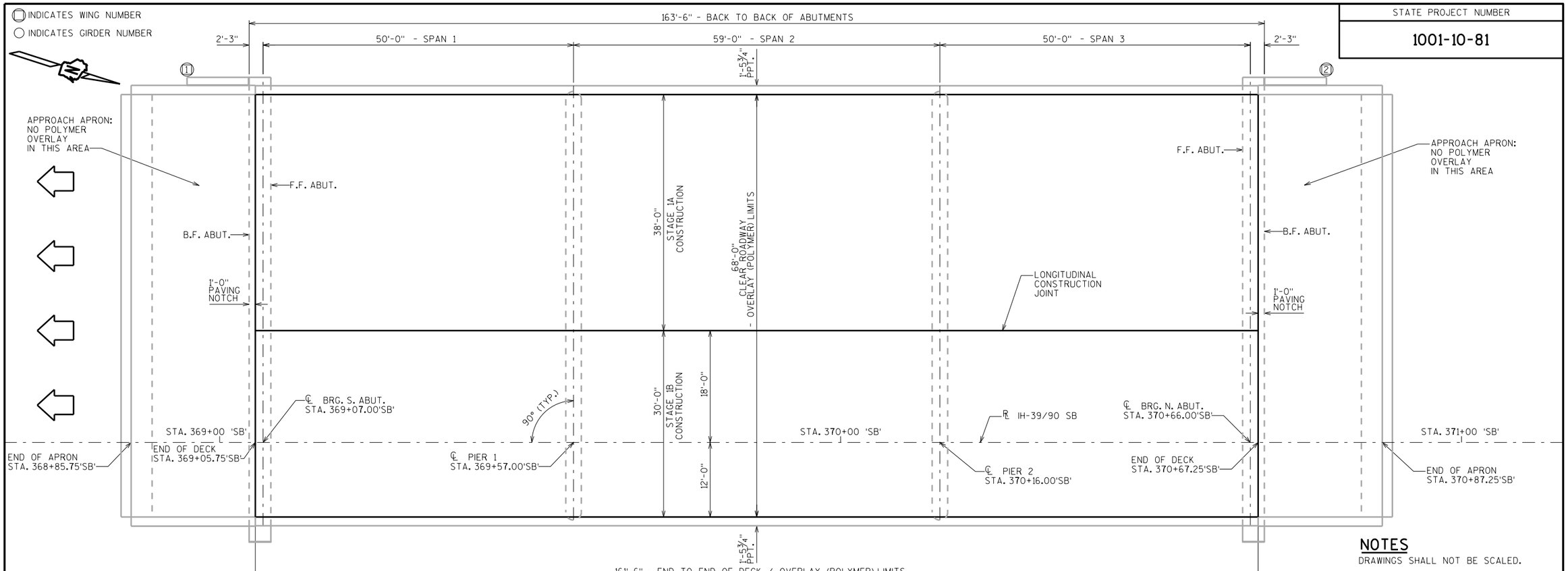
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I.D. 1003-10-01BC DATE: AUG. 2019

SCALE = 11.00

STATE PROJECT NUMBER

1001-10-81



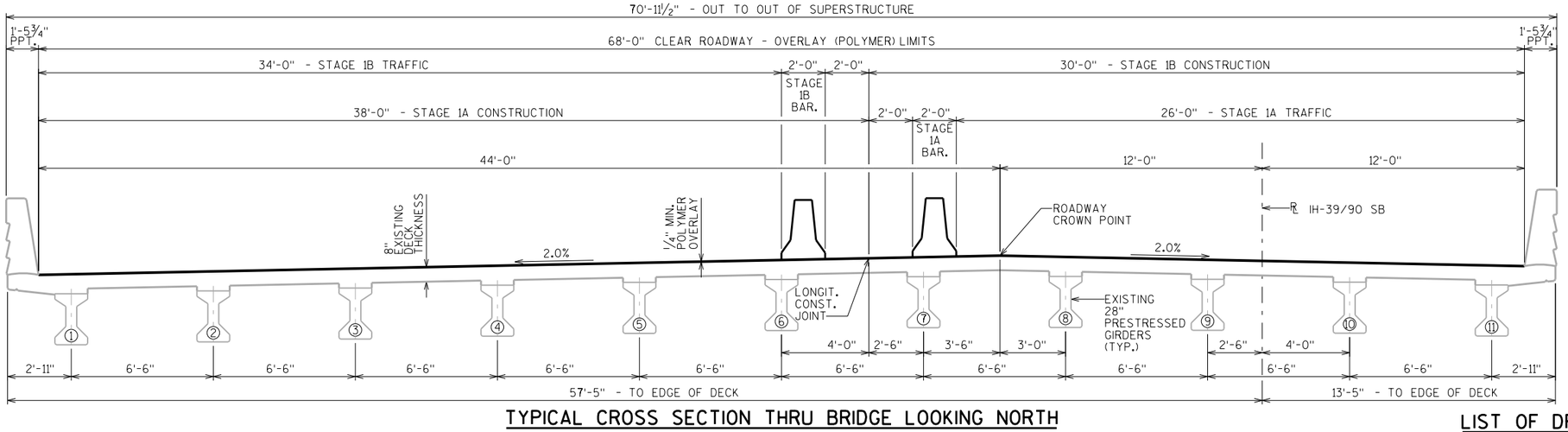
PLAN

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.15
OPERATING RATING FACTOR: RF=1.50
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE RATING INCLUDES 5 PSF FOR POLYMER OVERLAY.



TYPICAL CROSS SECTION THRU BRIDGE LOOKING NORTH

NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

DIRECTION OF TRAFFIC

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1220

STRUCTURE DESIGN CONTACTS:

MAX KULICK (608) 261-6108
AARON BONK (608) 261-0261

LIST OF DRAWINGS

1. POLYMER OVERLAY

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 10/31/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-314

SB IH 39/90 OVER TURTLE CREEK

COUNTY	TOWN
ROCK	TURTLE

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MJK	JJS	JPH	JJS

POLYMER OVERLAY

SHEET 1 OF 1

189

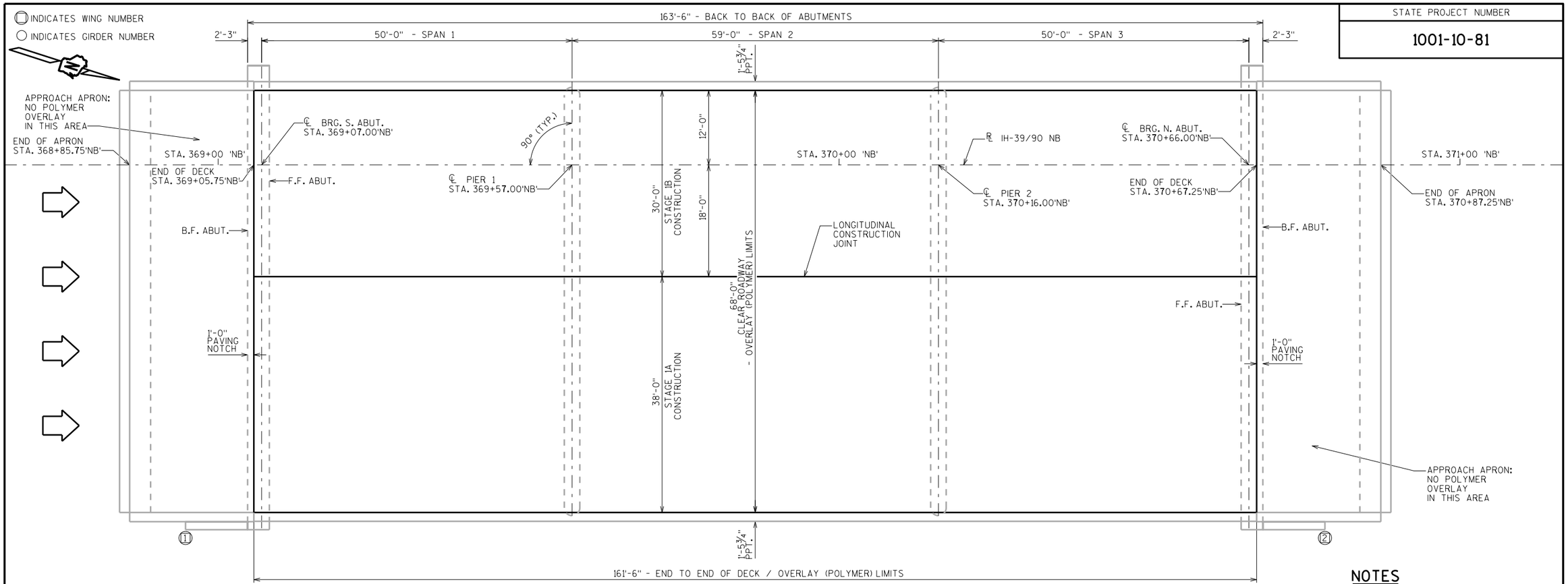
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SCALE = 8.00

8

8

STATE PROJECT NUMBER
1001-10-81



PLAN

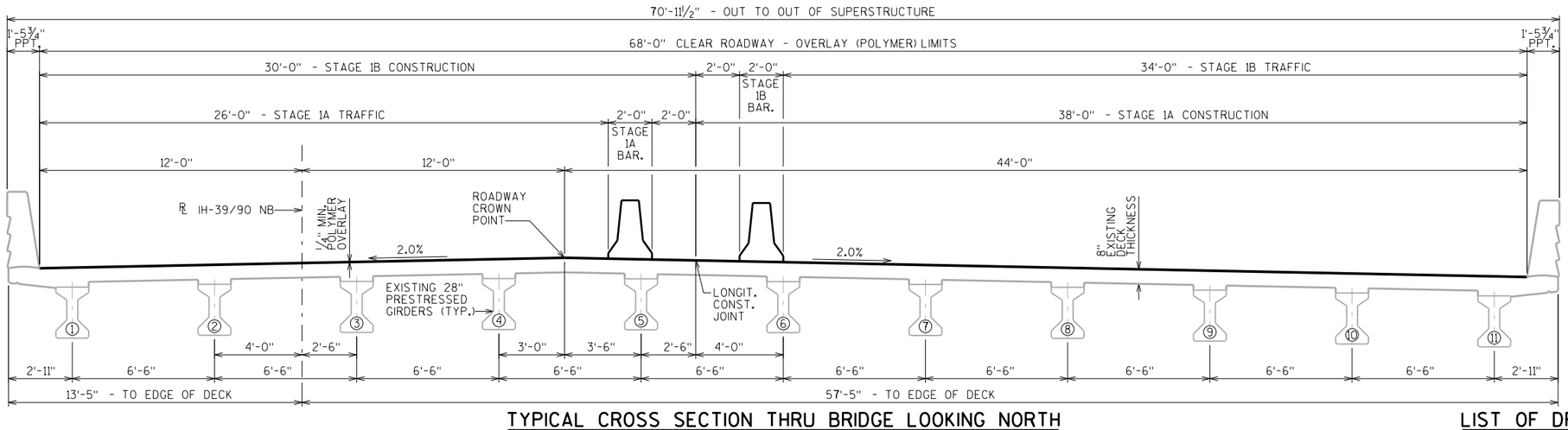
DIRECTION OF TRAFFIC

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.15
OPERATING RATING FACTOR: RF=1.50
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE RATING INCLUDES 5 PSF FOR POLYMER OVERLAY.



TYPICAL CROSS SECTION THRU BRIDGE LOOKING NORTH

NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1220

STRUCTURE DESIGN CONTACTS:

MAX KULICK (608) 261-6108
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 10/31/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-315

NB IH 39/90 OVER TURTLE CREEK

COUNTY	TOWN
ROCK	TURTLE

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MJK	JJS	JPH	JJS

POLYMER OVERLAY

SHEET 1 OF 1

190

LIST OF DRAWINGS

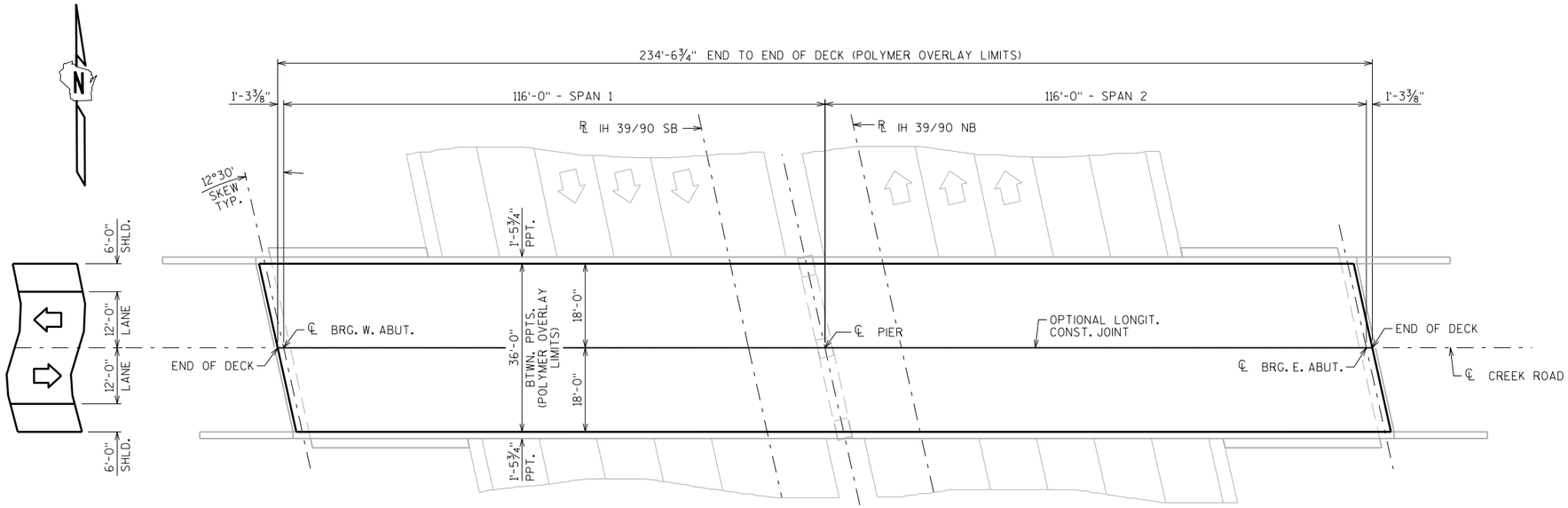
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I.D. 1003-10-01BD DATE: AUG. 2019

SCALE = 8.00

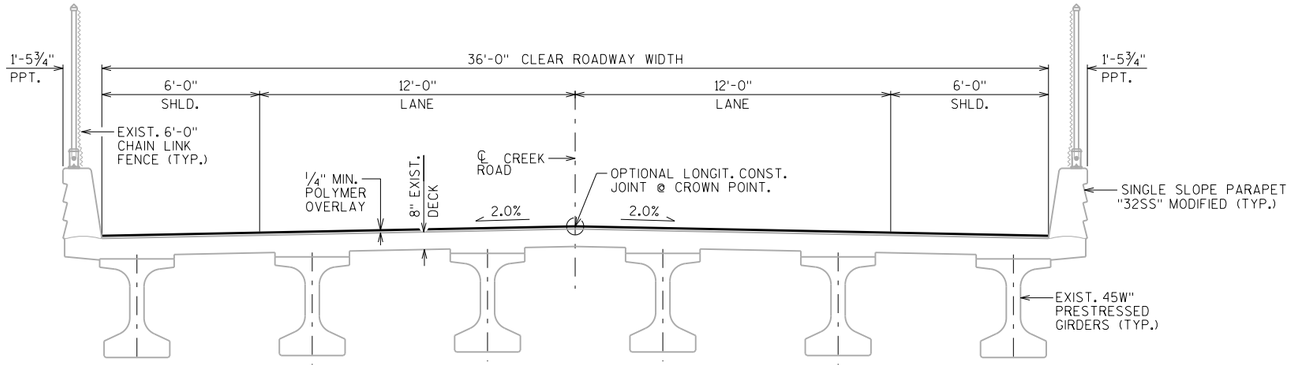
STATE PROJECT NUMBER

1001-10-81



PLAN

(2 SPAN - 45W" PRESTRESSED GIRDERS)



CROSS SECTION THRU ROADWAY

(LOOKING EAST)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.10
OPERATING RATING FACTOR: RF = 1.43
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

TRAFFIC VOLUME

IH 39/90 (NB & SB)	CREEK ROAD
A.D.T.=81,300 (2040)	A.D.T.=1,100 (2040)
R.D.S.=70 M.P.H.	R.D.S.=50 M.P.H.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENNSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

LIST OF DRAWINGS

1. POLYMER OVERLAY

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	939

STRUCTURE DESIGN CONTACTS:

ALEXANDER CRABTREE (608) 266-3686
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 2/17/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-316

CREEK ROAD OVER IH 39/90 NB&SB

COUNTY	TOWN
ROCK	TURTLE

DESIGN SPEC. REHABILITATION

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
ARC	JDM	ARC	JDM

GENERAL PLAN - POLYMER OVERLAY

SHEET 1 OF 1

191

I.D. 1003-10-01BJ

DATE: SEPT. 2019

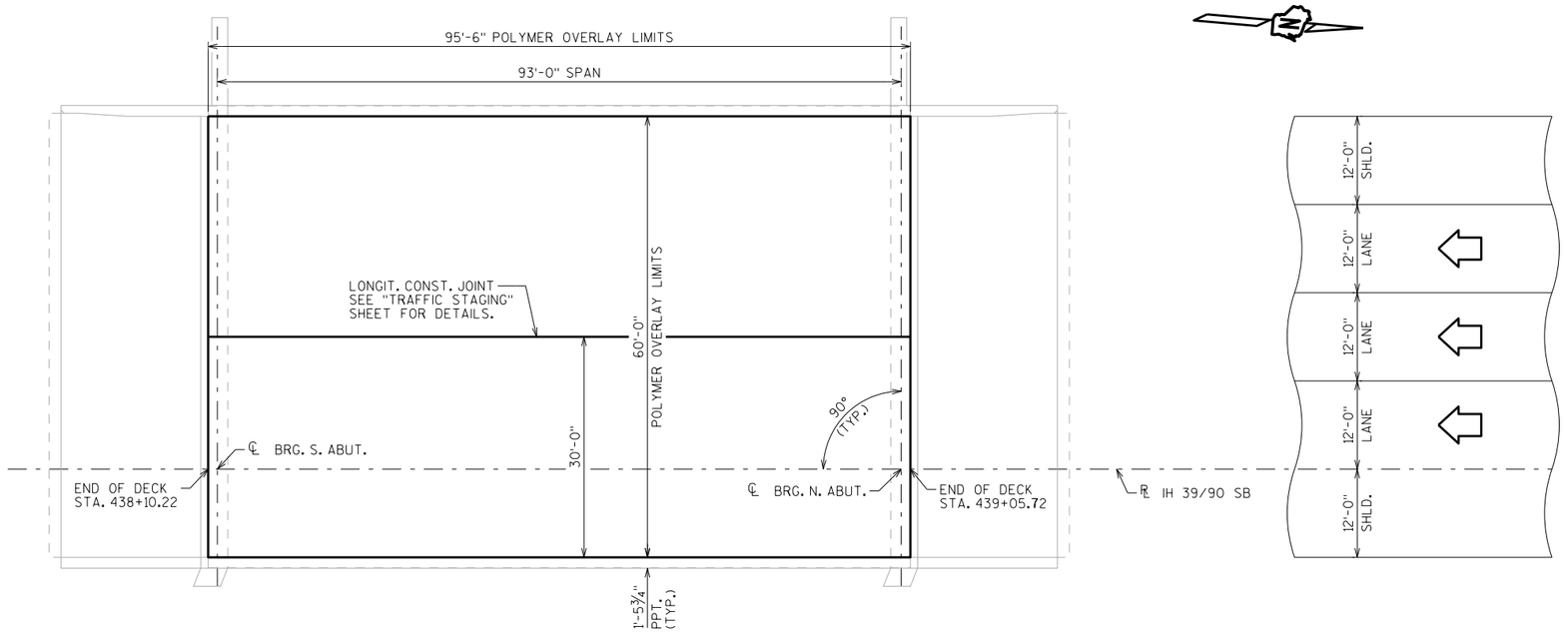
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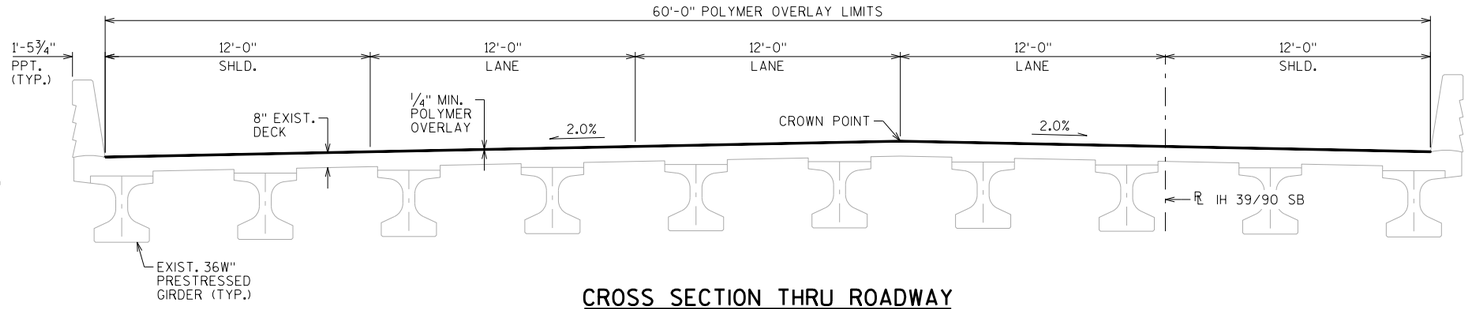
STATE PROJECT NUMBER

1001-10-81



PLAN

SINGLE SPAN 36W" PRESTRESSED GIRDER BRIDGE



CROSS SECTION THRU ROADWAY

LOOKING NORTH

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.09
OPERATING RATING FACTOR: RF = 1.46
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

TRAFFIC VOLUME

IH 39/90 SB

ADT = 81,300 (2040)
R.D.S. = 70 M.P.H.

TOWN LINE ROAD

ADT = 1,450 (2040)
R.D.S. = 45 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	637

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

LIST OF DRAWINGS

1. POLYMER OVERLAY
2. TRAFFIC STAGING

STRUCTURE DESIGN CONTACTS:

MICAH BROOKS (608) 266-5080
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 2/17/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-317

IH 39/90 SB OVER TOWN LINE ROAD

COUNTY	TOWN
ROCK	TURTLE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MWB	JLR	MWB	JLR

POLYMER OVERLAY

SHEET 1 OF 2

192

I.D. 1003-10-01BB DATE: SEP. 2019

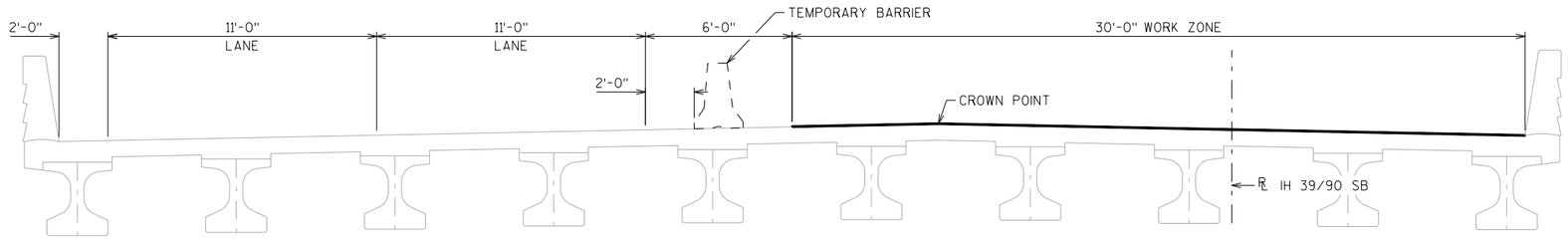
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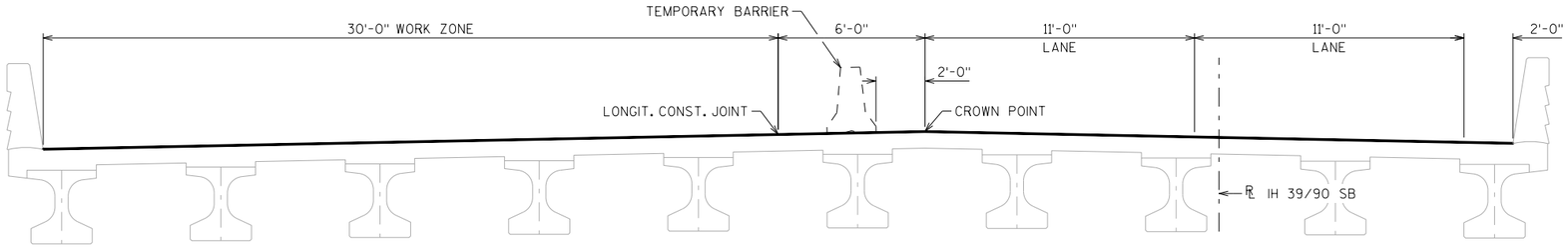
STATE PROJECT NUMBER

1001-10-81



CONSTRUCTION STAGE 1A

LOOKING NORTH



CONSTRUCTION STAGE 1B

LOOKING NORTH

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-53-317

DRAWN BY MWB | PLANS CK'D. JLR

TRAFFIC STAGING

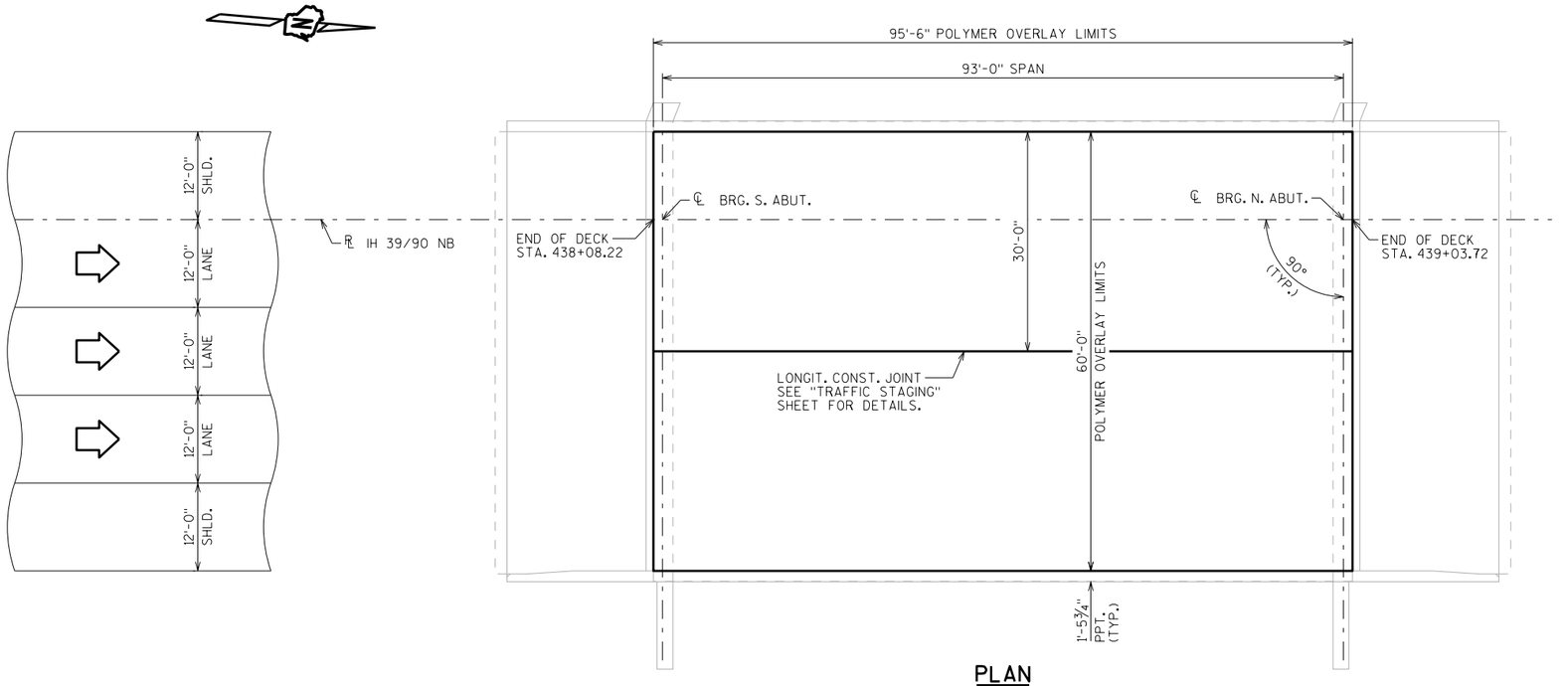
SHEET 2

193

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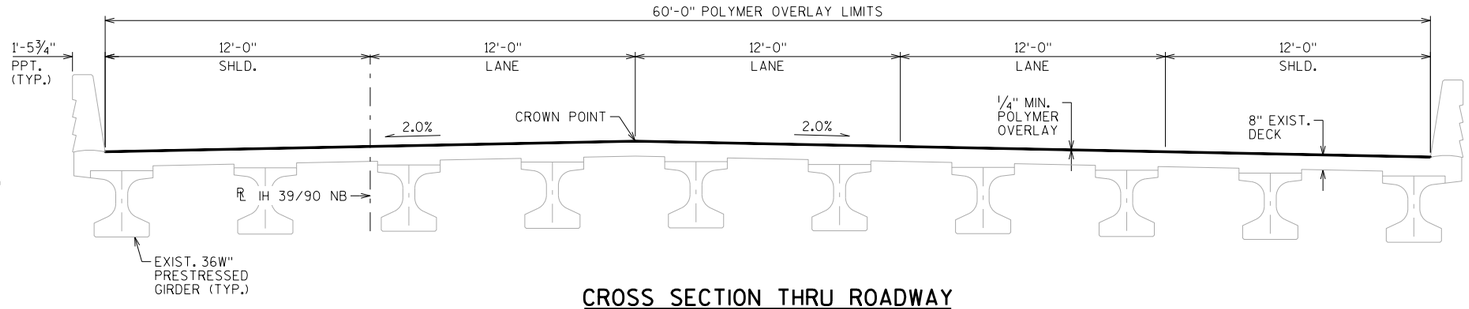
STATE PROJECT NUMBER

1001-10-81



PLAN

SINGLE SPAN 36W" PRESTRESSED GIRDER BRIDGE



CROSS SECTION THRU ROADWAY

LOOKING NORTH

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.10
OPERATING RATING FACTOR: RF = 1.46
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

TRAFFIC VOLUME

IH 39/90 NB

ADT = 81,300 (2040)
R.D.S. = 70 M.P.H.

TOWN LINE ROAD

ADT = 1,450 (2040)
R.D.S. = 45 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	637

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

LIST OF DRAWINGS

1. POLYMER OVERLAY
2. TRAFFIC STAGING

STRUCTURE DESIGN CONTACTS:

MICAH BROOKS (608) 266-5080
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 2/17/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-318

IH 39/90 NB OVER TOWN LINE ROAD

COUNTY	TOWN
ROCK	TURTLE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MWB	JLR	MWB	JLR

POLYMER OVERLAY

SHEET 1 OF 2

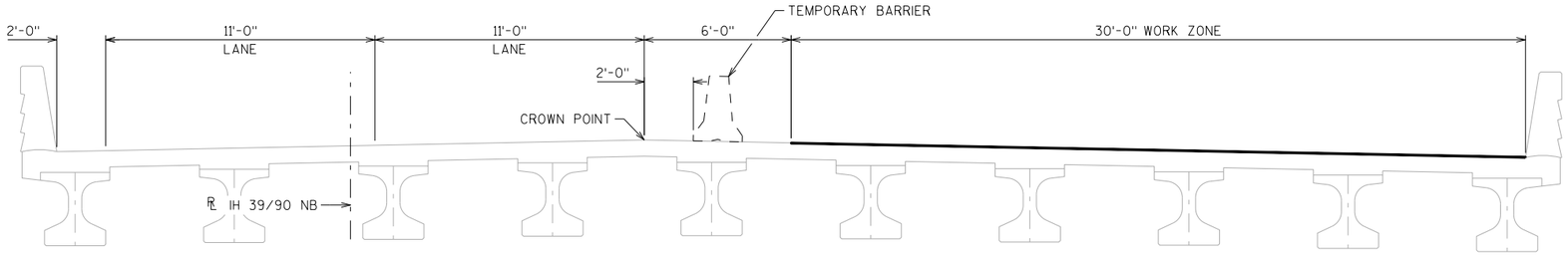
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I.D. 1003-10-01BA DATE: SEP. 2019

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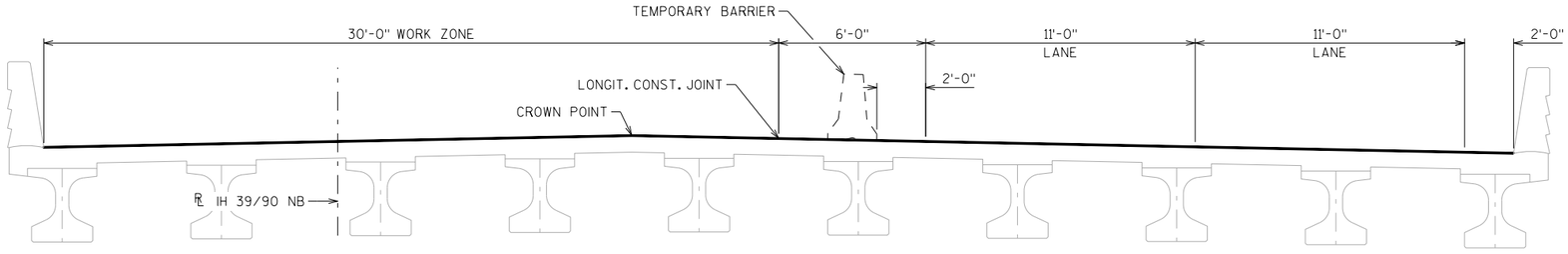
STATE PROJECT NUMBER

1001-10-81



CONSTRUCTION STAGE 1A

LOOKING NORTH



CONSTRUCTION STAGE 1B

LOOKING NORTH

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-53-318

DRAWN BY MWB | PLANS CK'D. JLR

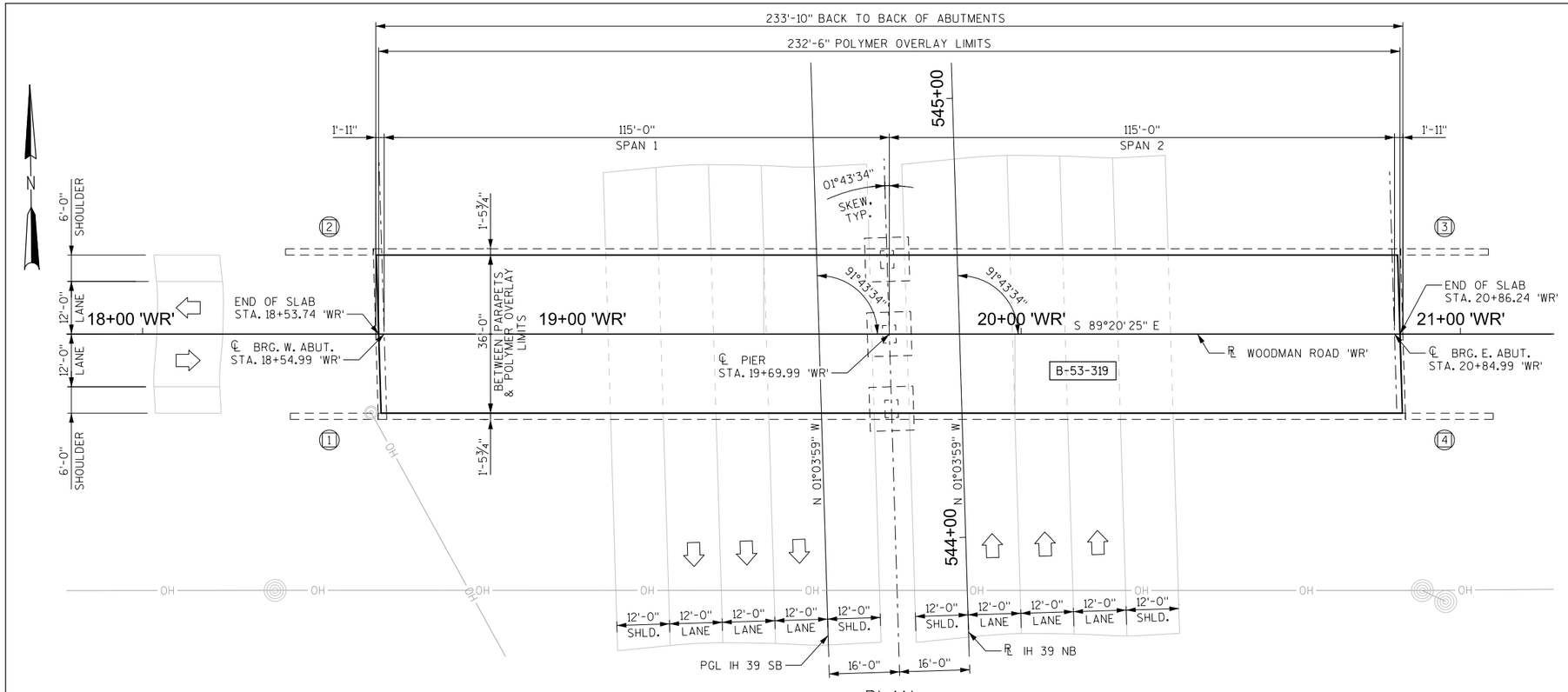
TRAFFIC STAGING

SHEET 2

195

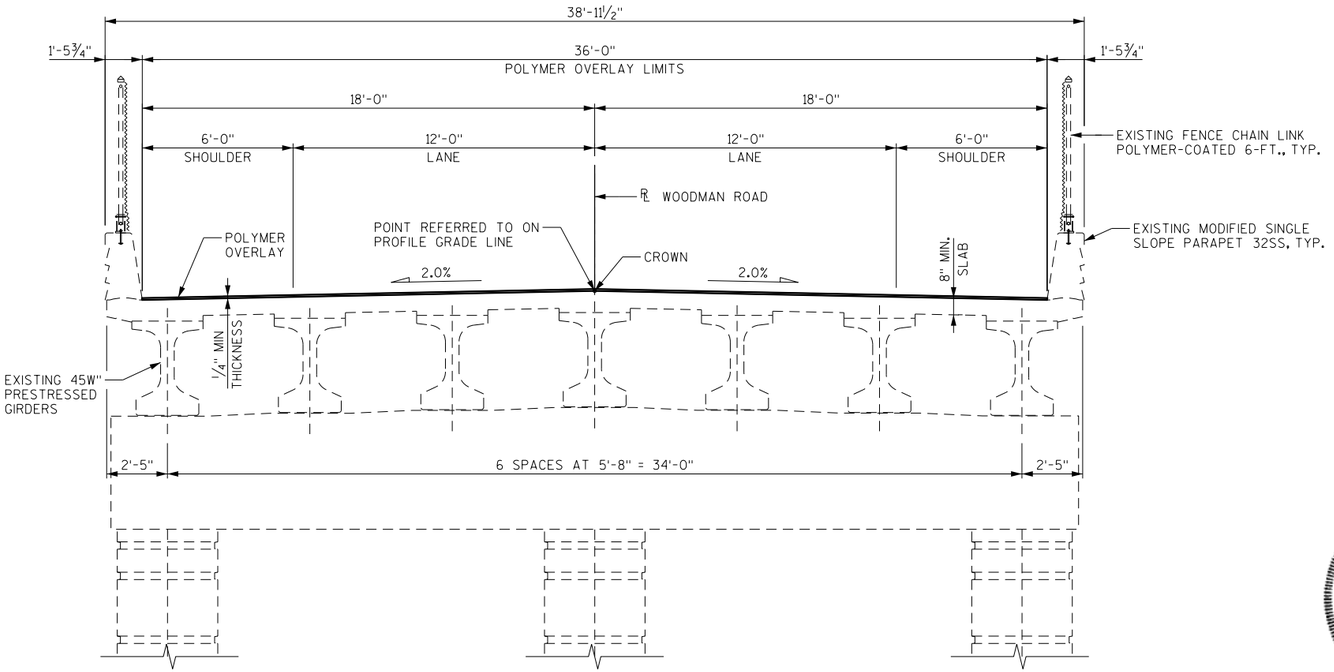
SCALE = 3.00

STATE PROJECT NUMBER
1001-10-81



PLAN

POLYMER OVERLAY FOR 2-SPAN - 45W" PRESTRESSED GIRDERS



CROSS SECTION THRU ROADWAY

LOOKING EAST

DESIGN DATA

LIVE LOAD:

DESIGN LOADING = HL-93
INVENTORY RATING FACTOR = 1.16
OPERATING RATING FACTOR = 1.61
WISONSIN STANDARD PERMIT VEHICLE (WIS.-SPV) RATING = 250 KIPS

STRUCTURE RATINGS INCLUDE 5 PSF FOR POLYMER OVERLAY

LIST OF DRAWINGS

1. GENERAL PLAN

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS AND ELEVATIONS ARE IN FEET.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

TRAFFIC VOLUME

WOODMAN ROAD	IH 39
A.D.T. = 115 (2014)	A.D.T. = 57,640 (2020)
A.D.T. = 170 (2040)	A.D.T. = 81,300 (2040)
R.D.S. = 60 MPH	R.D.S. = 70 MPH

LEGEND

(X) INDICATES WING NUMBER

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTAL
509.5100.S	POLYMER OVERLAY	SY	931

WISCONSIN
STEVEN W. SCHMITT
E-37333
FRANKLIN, WI
PROFESSIONAL ENGINEER
8/26/2019

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER, P.E. (608) 266-8489
CONSULTANT:
STEVEN SCHMITT, P.E. (262) 821-1171

NO.	DATE	REVISION	BY

KSingh Engineers Scientists Consultants

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/18/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-319

WOODMAN ROAD OVER IH 39

COUNTY	TOWN
ROCK	LA PRAIRIE

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
RT	SWS	RT	SWS

GENERAL PLAN

SHEET 1 OF 1
196

8

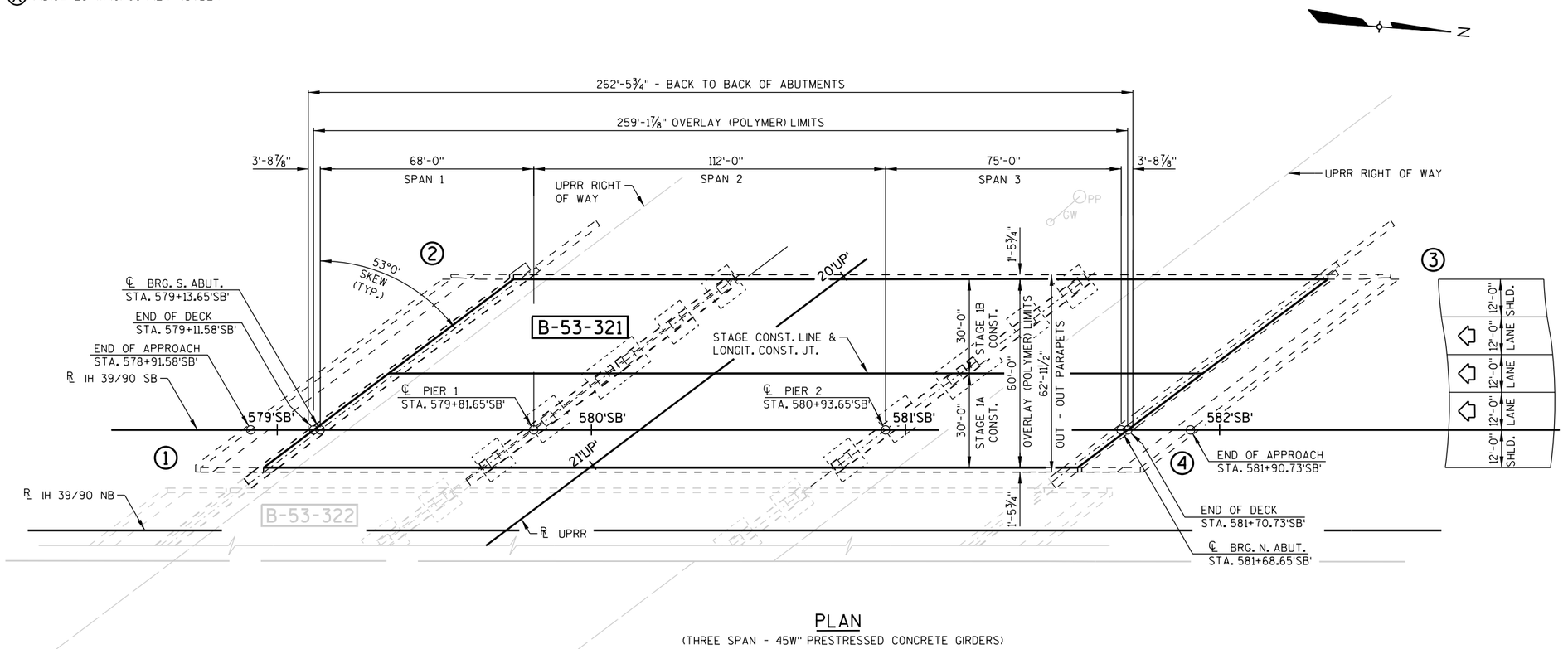
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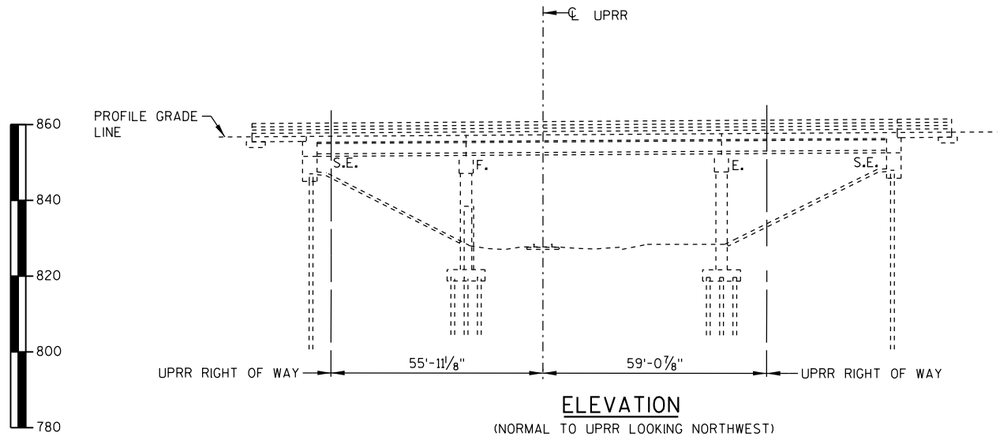
Ⓧ INDICATES WING/CORNER NUMBER

STATE PROJECT NUMBER
1001-10-81



PLAN

(THREE SPAN - 45W" PRESTRESSED CONCRETE GIRDERS)



ELEVATION

(NORMAL TO UPRR LOOKING NORTHWEST)

DESIGN DATA

LIVE LOAD:

INVENTORY RATING FACTOR : RF = 1.39
OPERATIONAL RATING FACTOR : RF = 1.80
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE RATING INCLUDES 5 PSF FOR POLYMER OVERLAY.

TRAFFIC DATA

IH 39/90
A.D.T. (2020) = 65,100
A.D.T. (2040) = 94,300
R.D.S. = 70 MPH

LIST OF DRAWINGS

1. POLYMER OVERLAY
2. CONSTRUCTION STAGING AND QUANTITIES

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLAB.

WISCONSIN
KEVIN R. HAGEN
E-38866
STEVENS POINT
WI
PROFESSIONAL ENGINEER

8/26/2019

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
BILL DREHER (608) 266-8489
CONSULTANT:
KEVIN HAGEN (715)-342-3053
AECOM PROJECT NO: 60242867

NO.	DATE	REVISION	BY

AECOM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/18/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-321

SB IH 39/90 OVER UPRR

COUNTY	TOWN/~~CITY/VILLAGE~~
ROCK	LA PRAIRIE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

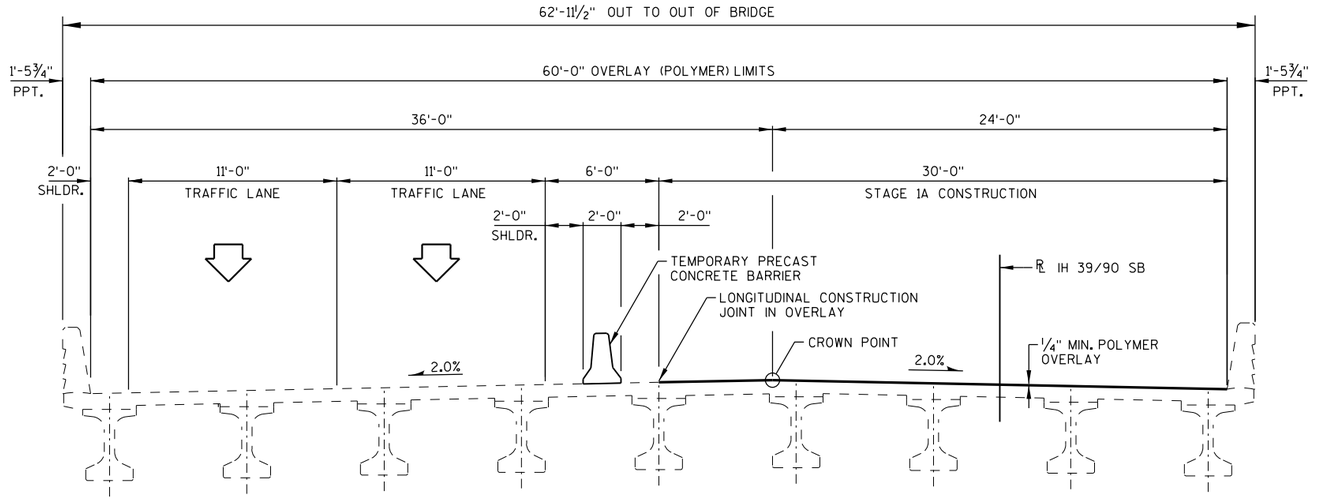
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KRH	MSK	KAM	KRH

POLYMER OVERLAY

SHEET 1 OF 2
197

8

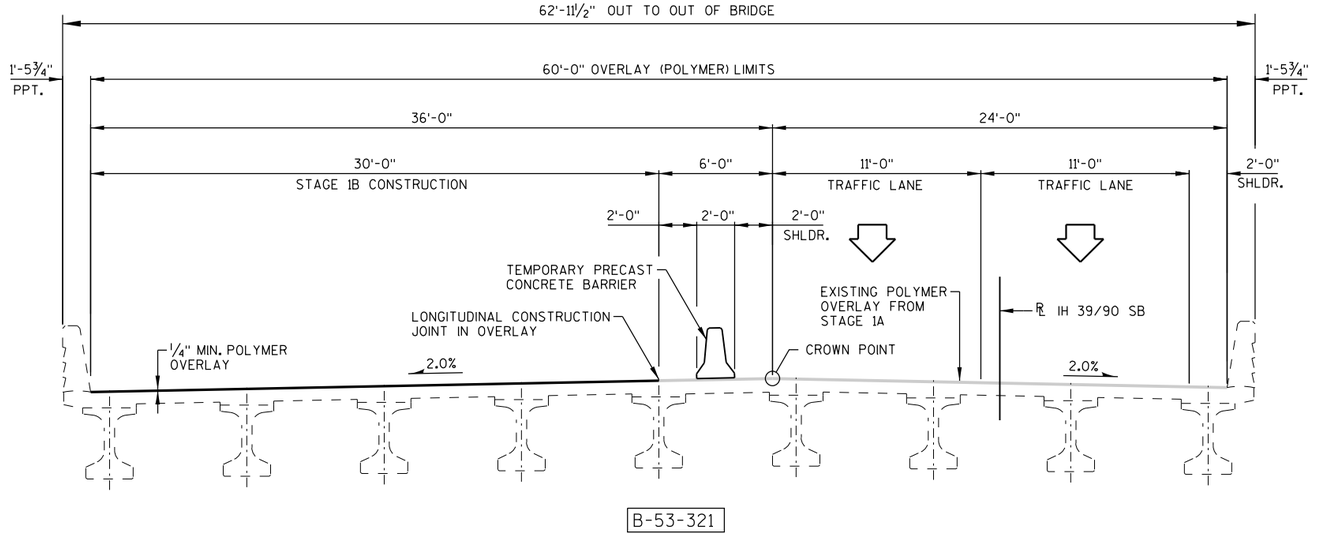
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BATCH PRINT SHEET 2 OF 2



B-53-321

B-53-322

STAGE 1A CONSTRUCTION
(LOOKING NORTH)



B-53-321

B-53-322

STAGE 1B CONSTRUCTION
(LOOKING NORTH)

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1,730

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-53-321

DRAWN BY KAM | PLANS CK'D. KRH

CONSTRUCTION STAGING AND QUANTITIES

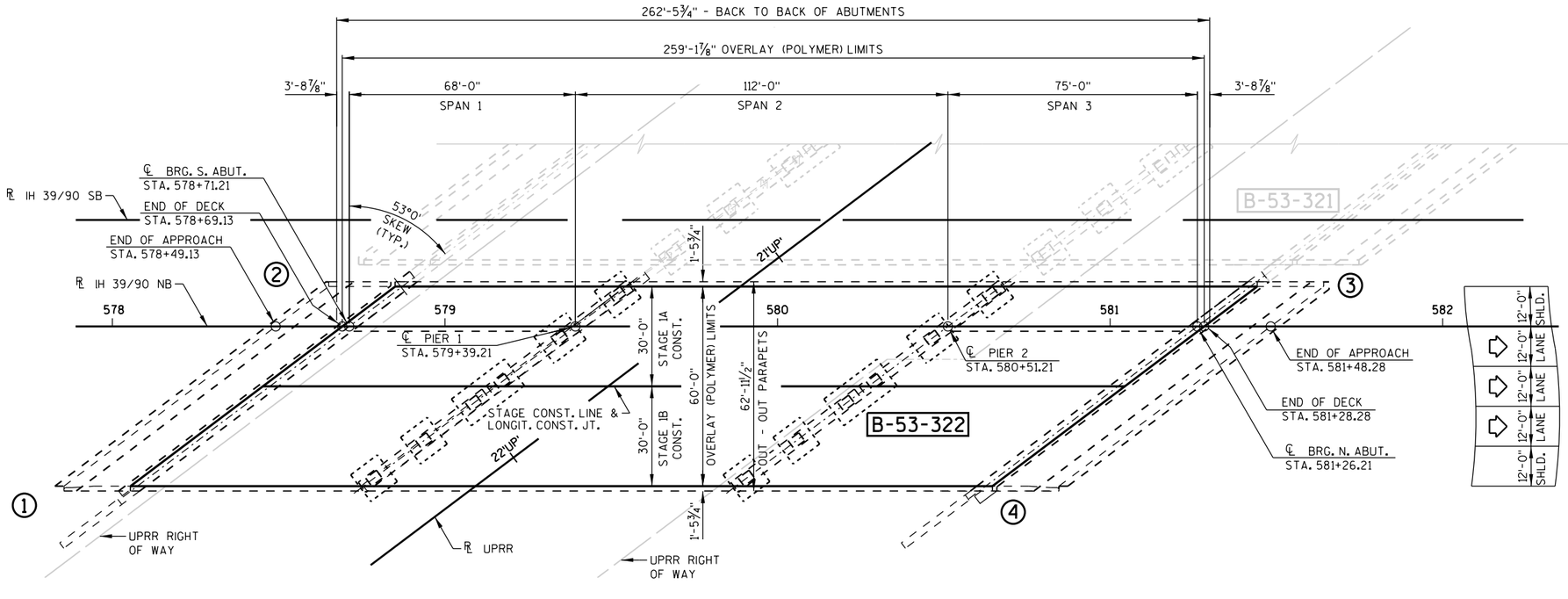
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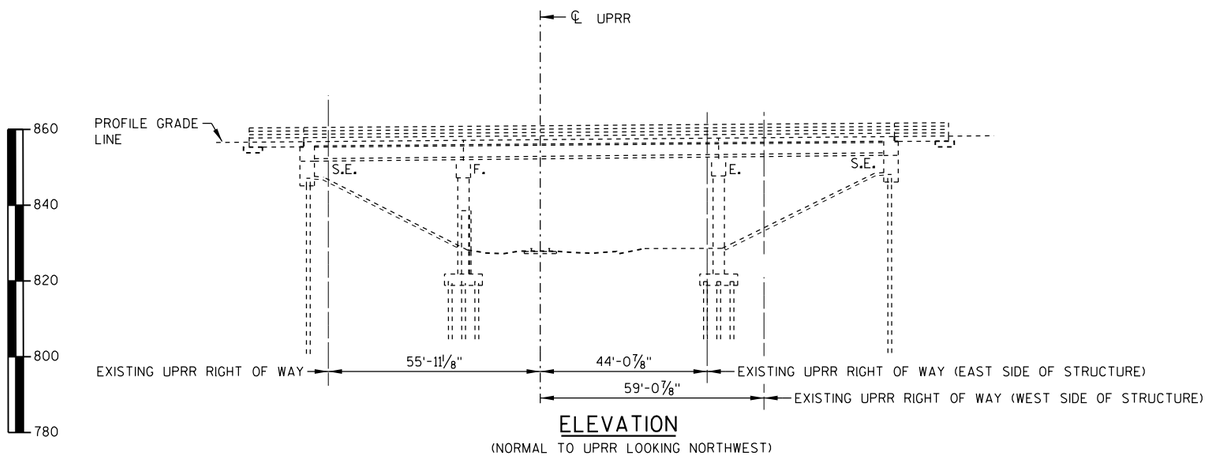
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ⓧ INDICATES WING/CORNER NUMBER



PLAN

(THREE SPAN - 45W" PRESTRESSED CONCRETE GIRDERS)



ELEVATION

(NORMAL TO UPRR LOOKING NORTHWEST)

DESIGN DATA

LIVE LOAD:

INVENTORY RATING FACTOR : RF = 1.39
OPERATIONAL RATING FACTOR : RF = 1.80
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE RATING INCLUDES 5 PSF FOR POLYMER OVERLAY.

TRAFFIC DATA

IH 39/90
A.D.T. (2020) = 65,100
A.D.T. (2040) = 94,300
R.D.S. = 70 MPH

LIST OF DRAWINGS

1. POLYMER OVERLAY
2. CONSTRUCTION STAGING AND QUANTITIES

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLAB.

WISCONSIN
KEVIN R. HAGEN
E-38866
STEVENS POINT
WI
PROFESSIONAL ENGINEER

8/26/2019

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
BILL DREHER (608) 266-8489
CONSULTANT:
KEVIN HAGEN (715)-342-3053
AECOM PROJECT NO: 60242867

STATE PROJECT NUMBER

1001-10-81

NO.	DATE	REVISION	BY

AECOM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/18/19
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-53-322

NB IH 39/90 OVER UPRR

COUNTY	TOWN/~~CITY/VILLAGE~~
ROCK	LA PRAIRIE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KRH	MSK	KAM	KRH

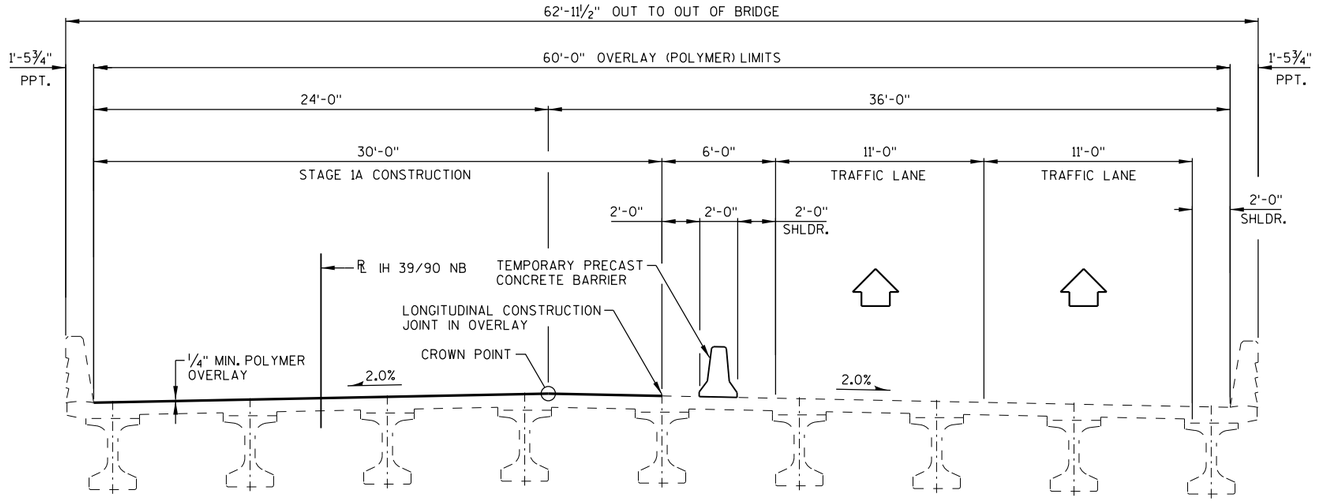
POLYMER OVERLAY

SHEET 1 OF 2
199

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STATE PROJECT NUMBER
1001-10-81

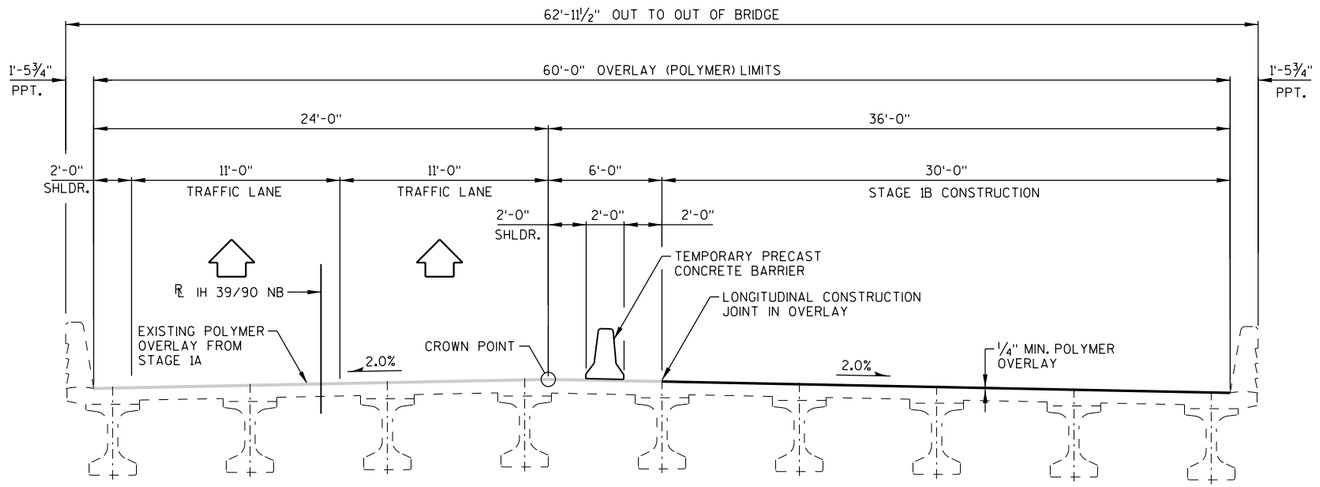


B-53-321

B-53-322

STAGE 1A CONSTRUCTION

(LOOKING NORTH)



B-53-321

B-53-322

STAGE 1B CONSTRUCTION

(LOOKING NORTH)

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1,730

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-53-322

DRAWN BY KAM | PLANS CK'D. KRH

CONSTRUCTION STAGING AND QUANTITIES

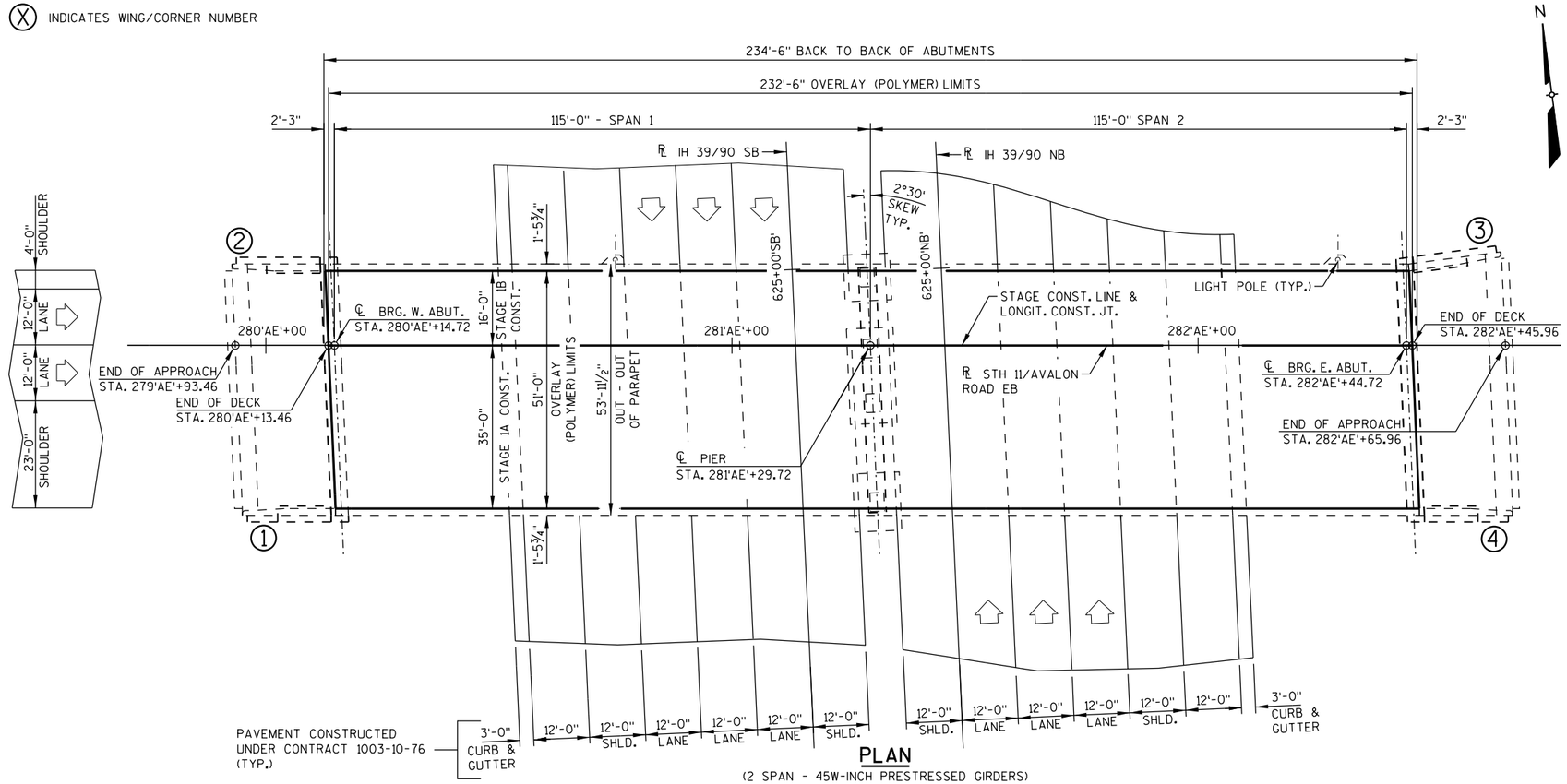
SHEET 2 OF 2
200

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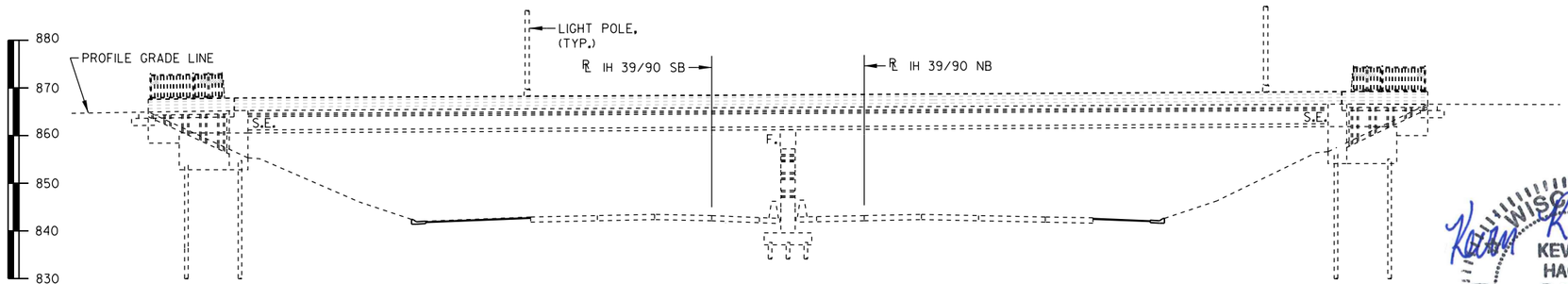
8

STATE PROJECT NUMBER
1001-10-81

X INDICATES WING/CORNER NUMBER



PLAN
(2 SPAN - 45W-INCH PRESTRESSED GIRDERS)



ELEVATION - LOOKING NORTH
(NORMAL TO IH 39/90, LOOKING NORTH)

DESIGN DATA

LIVE LOAD:

INVENTORY RATING FACTOR : RF = 1.16
OPERATIONAL RATING FACTOR : RF = 1.58
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE RATING INCLUDES 5 PSF FOR POLYMER OVERLAY.

TRAFFIC DATA

STH 11 / AVALON ROAD
EB TRAFFIC ON BRIDGE
A.D.T. (2015) = 5,575
A.D.T. (2040) = 8,575
R.D.S. = 35 MPH

LIST OF DRAWINGS

1. POLYMER OVERLAY
2. CONSTRUCTION STAGING AND QUANTITIES

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLAB.

WISCONSIN
KEVIN R. HAGEN
E-38866
STEVENS POINT
WI
PROFESSIONAL ENGINEER

8/26/2019

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
BILL DREHER (608) 266-8489

CONSULTANT:
KEVIN HAGEN (715) 342-3053
AECOM PROJECT NO. 60242867

NO.	DATE	REVISION	BY

AECOM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/25/19
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-53-323

STH 11 / AVALON ROAD EB OVER IH 39/90 NB & SB

COUNTY	TOWN ~~/CITY/VILLAGE~~
ROCK	LA PRAIRIE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KRH	MSK	KAM	KRH

POLYMER OVERLAY

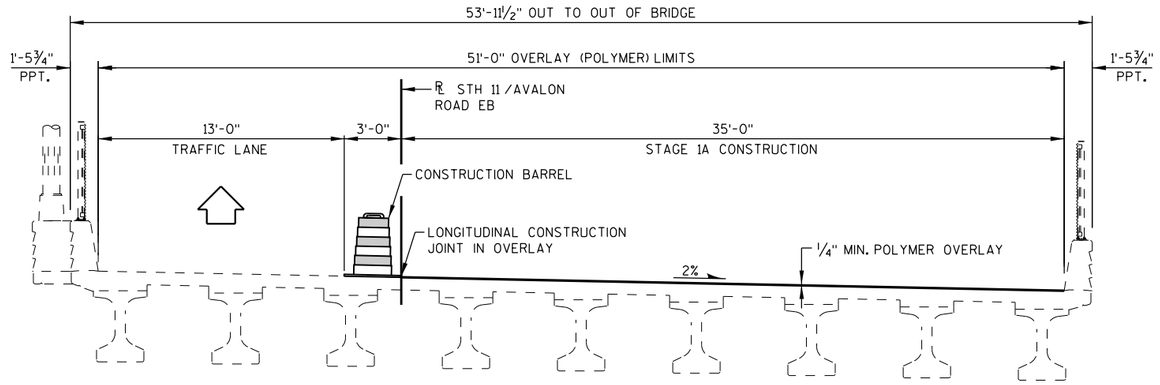
SHEET 1 OF 2
201

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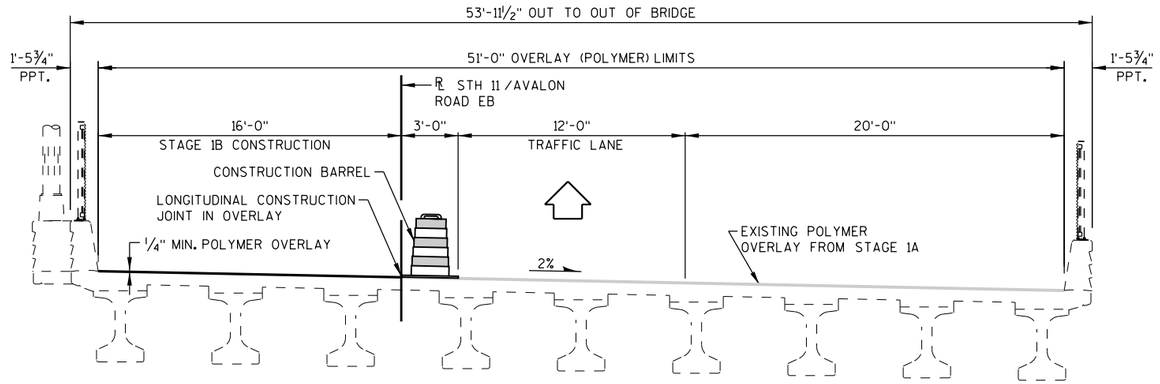
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BATCH PRINT SHEET 1 OF 2

STATE PROJECT NUMBER
1001-10-81



STAGE 1A CONSTRUCTION

(LOOKING EAST)



STAGE 1B CONSTRUCTION

(LOOKING EAST)

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	1,320

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-53-323

DRAWN BY KAM | PLANS CK'D. KRH

CONSTRUCTION STAGING AND QUANTITIES

SHEET 2 OF 2

202

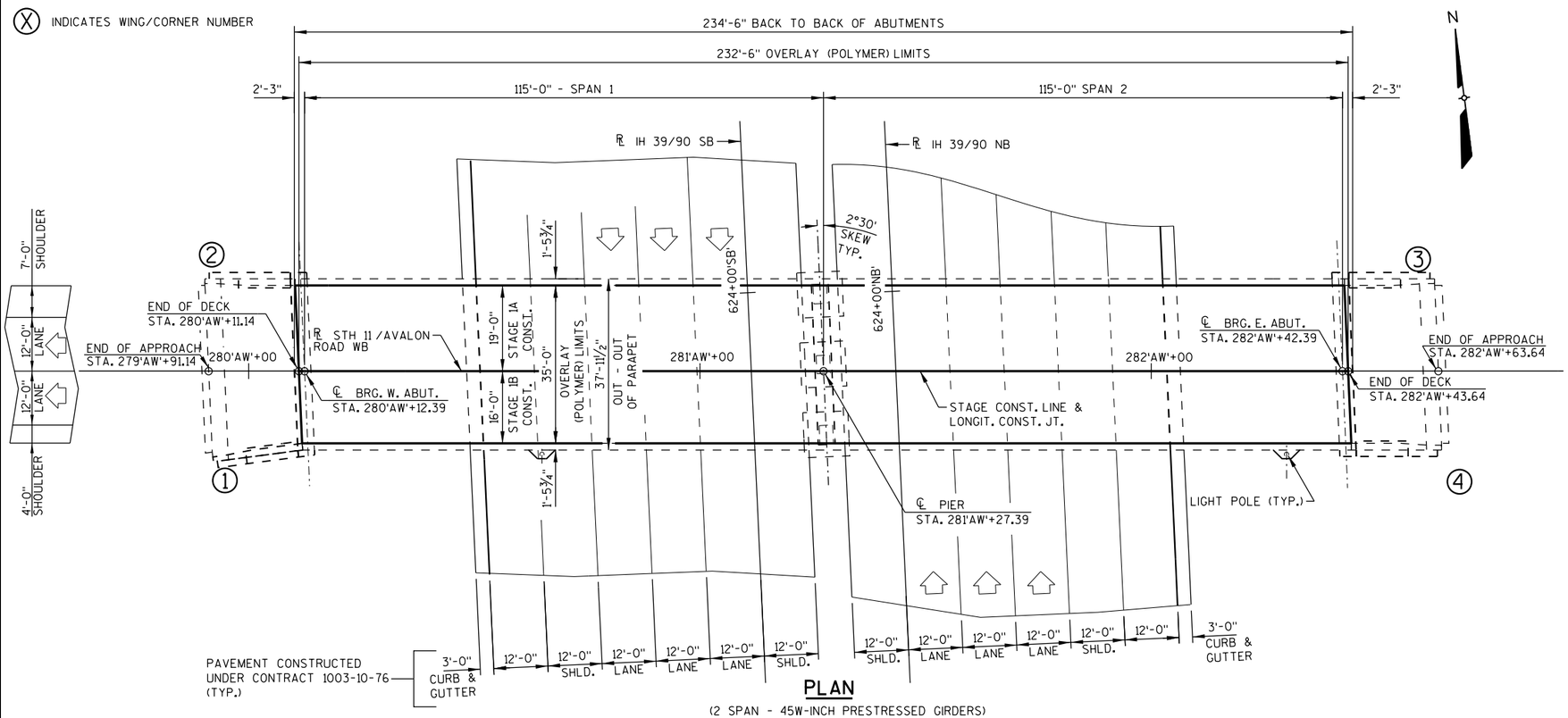
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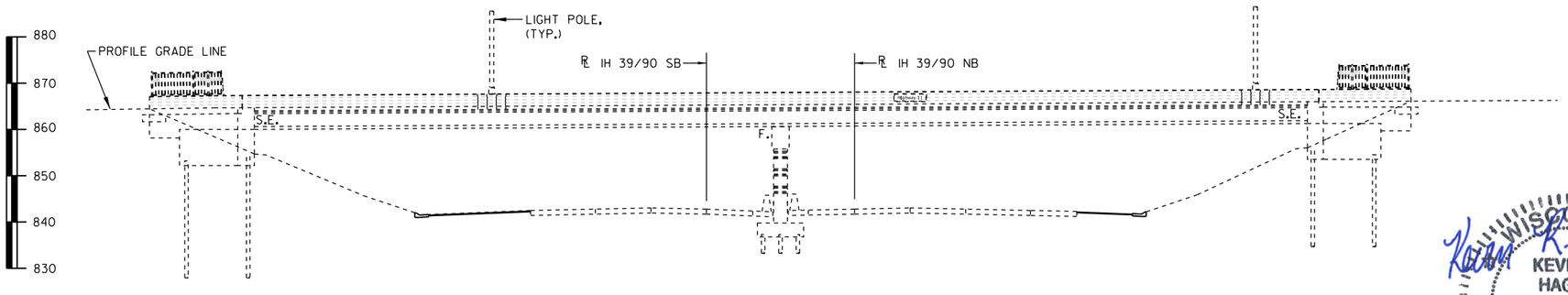
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PLOT TIME: 3:01:24 PM

STATE PROJECT NUMBER
1001-10-81



PLAN

(2 SPAN - 45W-INCH PRESTRESSED GIRDERS)



ELEVATION - LOOKING NORTH

(NORMAL TO IH 39/90, LOOKING NORTH)

DESIGN DATA

LIVE LOAD:

INVENTORY RATING FACTOR : RF = 1.17
OPERATIONAL RATING FACTOR : RF = 1.53
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE RATING INCLUDES 5 PSF FOR POLYMER OVERLAY.

TRAFFIC VOLUME

STH 11 / AVALON ROAD
WB TRAFFIC ON BRIDGE
A.D.T. (2015) = 2,600
A.D.T. (2040) = 4,325
R.D.S. = 35 MPH

LIST OF DRAWINGS

1. POLYMER OVERLAY
2. CONSTRUCTION STAGING AND QUANTITIES

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLAB.



8/26/2019

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
BILL DREHER (608) 266-8489

CONSULTANT:
KEVIN HAGEN (715) 342-3053
AECOM PROJECT NO. 60242867

NO.	DATE	REVISION	BY

AECOM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/25/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-324

STH 11 /AVALON ROAD WB OVER IH 39/90 NB & SB

COUNTY	TOWN ~~/CITY/VILLAGE~~
ROCK	LA PRAIRIE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

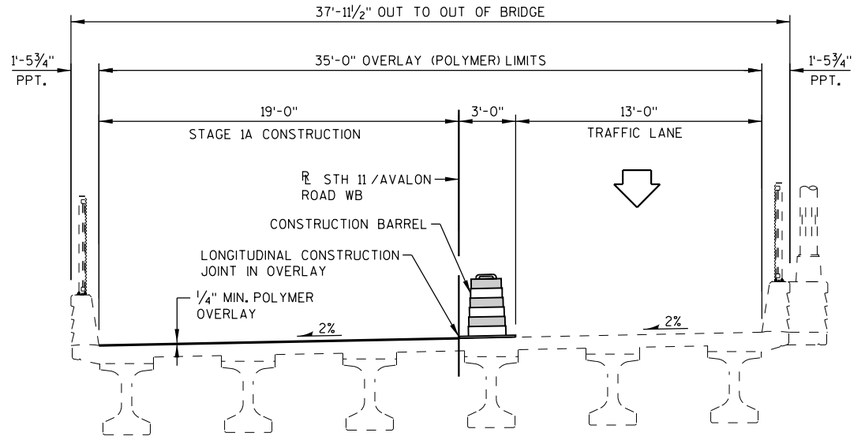
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KRH	MSK	KAM	KRH

POLYMER OVERLAY

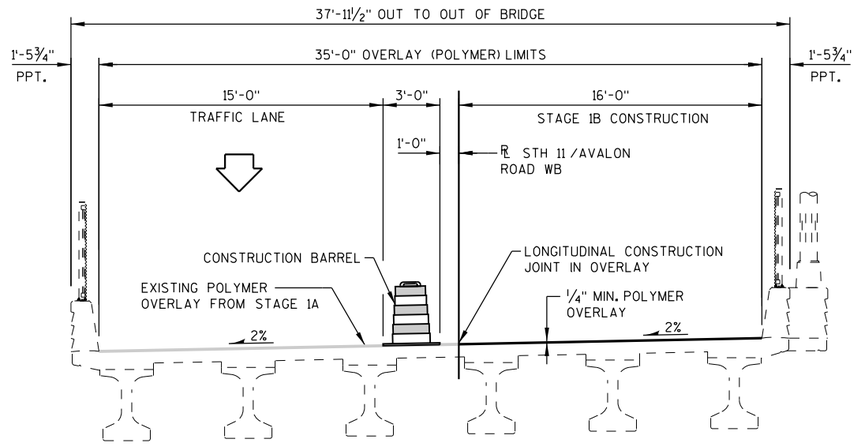
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STAGE 1A CONSTRUCTION
(LOOKING EAST)



STAGE 1B CONSTRUCTION
(LOOKING EAST)

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	910

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-53-324

DRAWN BY KAM | PLANS CK'D. KRH

CONSTRUCTION STAGING AND QUANTITIES

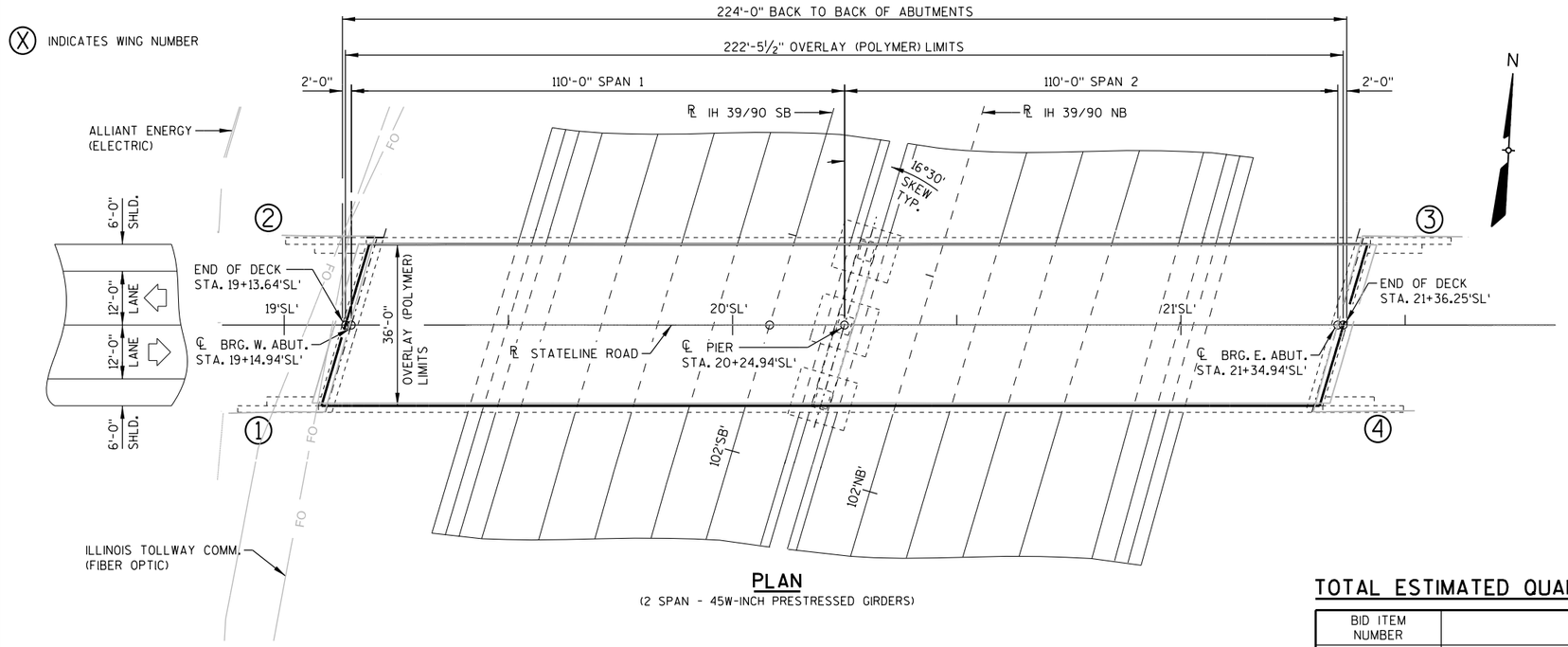
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STATE PROJECT NUMBER
1001-10-81



PLAN
(2 SPAN - 45W-INCH PRESTRESSED GIRDERS)

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR : RF = 1.11
OPERATIONAL RATING FACTOR : RF = 1.72
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 PSF.

RATINGS INCLUDE 5 PSF FOR POLYMER OVERLAY.

TRAFFIC VOLUME

IH 39/90 (NB & SB)	STATELINE ROAD
A.A.D.T. (2016) = 55,500	A.A.D.T. (2015) = 1,050
A.A.D.T. (2040) = 77,100	A.A.D.T. (2040) = 1,800
R.D.S. = 70 MPH	R.D.S. = 50 MPH

LIST OF DRAWINGS

1. POLYMER OVERLAY

GENERAL NOTES

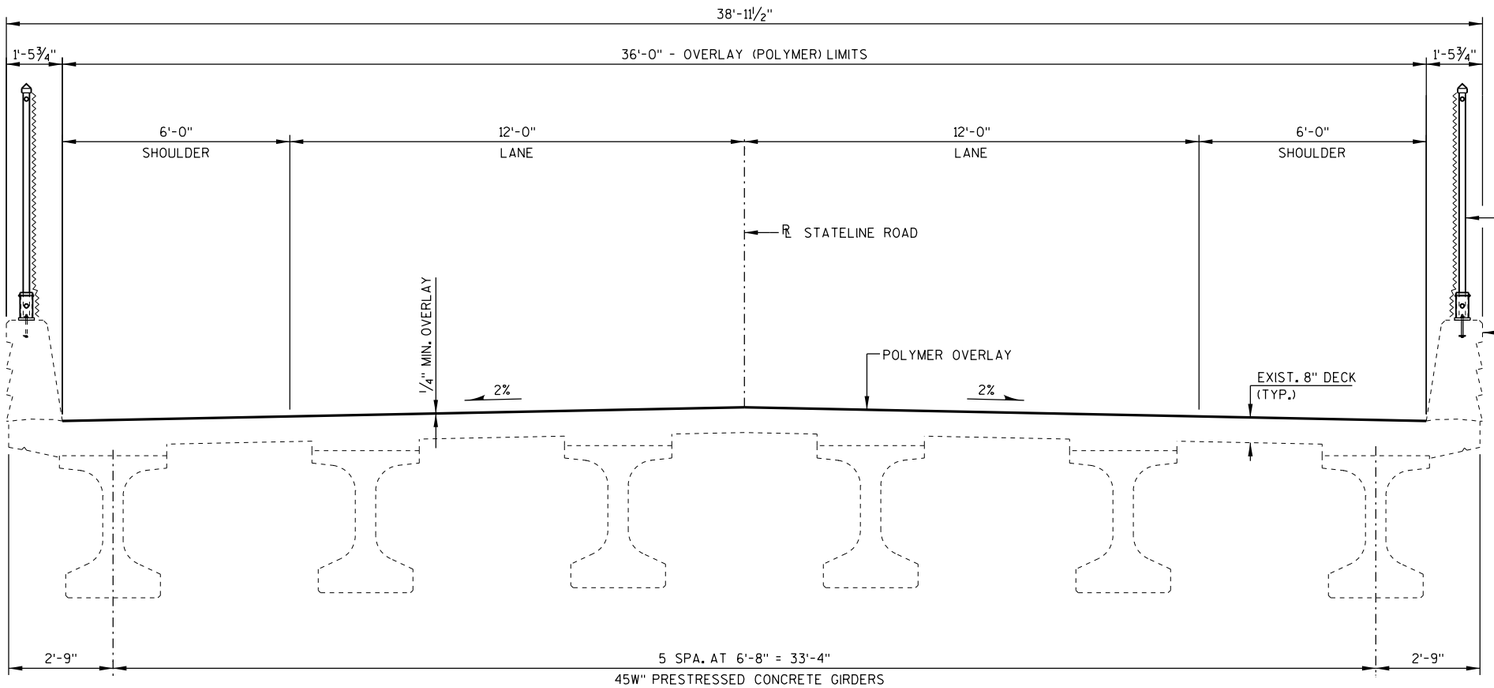
DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS ARE BASED ON EXISTING ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN BID ITEM "POLYMER OVERLAY".

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	890



CROSS SECTION THRU ROADWAY
(LOOKING EAST)

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
BILL DREHER (608) 266-8489

CONSULTANT:
MATT KRIPPNER (608) 828-8123

WISCONSIN
MATTHEW S. KRIPPNER
E-42470
VERONA
WI
PROFESSIONAL ENGINEER

8/30/2019

NO.	DATE	REVISION	BY

AECOM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/25/19
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-53-325

STATELINE ROAD OVER IH 39/90 NB (WB) & SB (EB)

COUNTY	TOWN/CITY ~~VILLAGE~~
ROCK	TURTLE/BELOIT

DESIGN SPEC.
REHABILITATION N/A

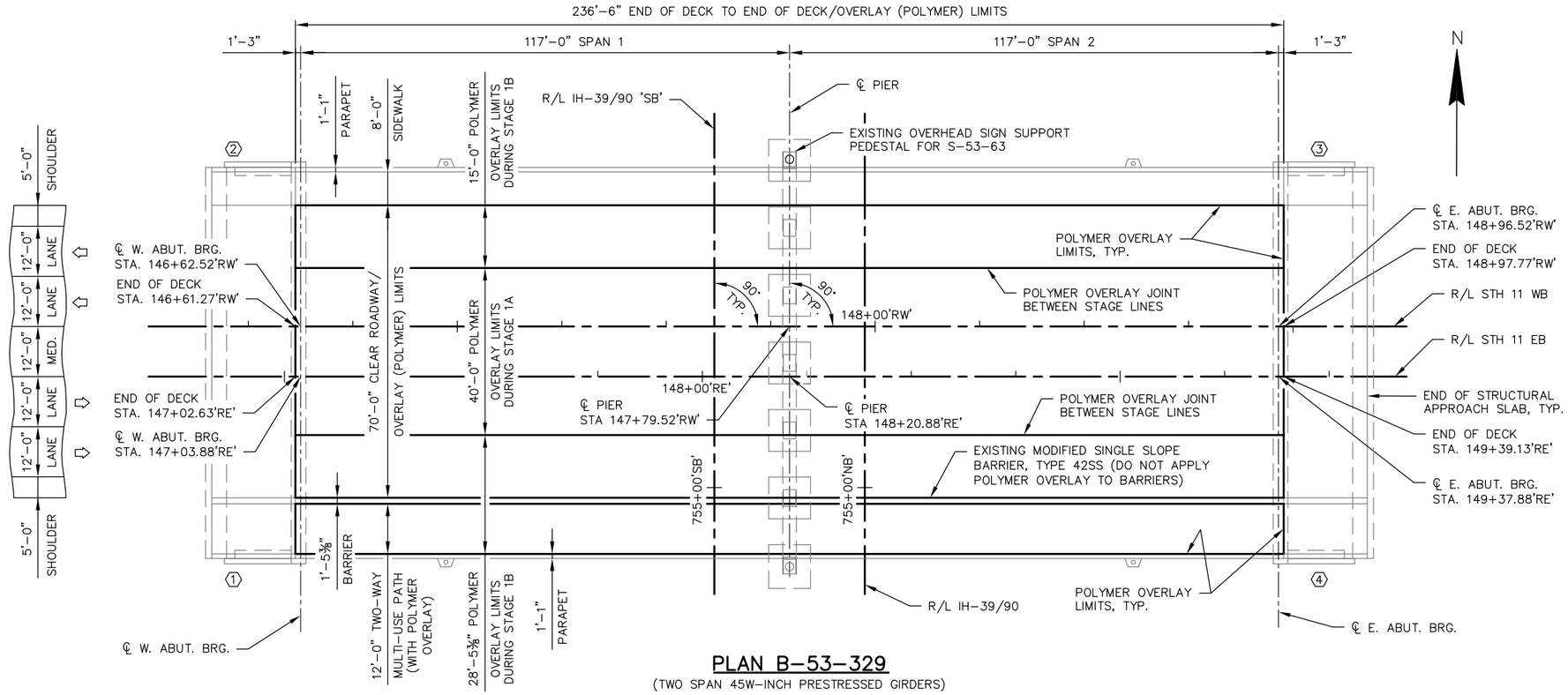
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MSK	KRH	TAW	MSK

GENERAL PLAN

SHEET 1 OF 1
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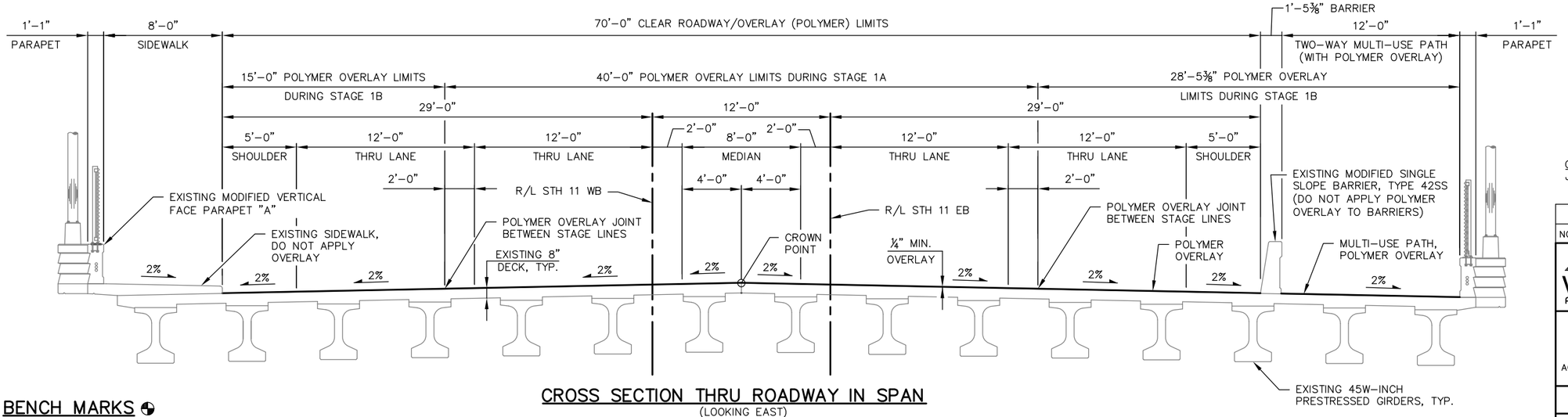
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PLAN B-53-329

(TWO SPAN 45W-INCH PRESTRESSED GIRDERS)



CROSS SECTION THRU ROADWAY IN SPAN

(LOOKING EAST)

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
1	149+12.68'RW'	CONC MONU W/ BRASS DISK, 146.4' LT.	866.74
2	745+90.47'NB'	CHIS SQ NW COR SIGN BASE, 75.1' RT.	841.81
3	137+71.85'RW'	DOT CAPPED RB, 27.0' LT.	850.45

HORIZONTAL DATUM AND ADJUSTMENT: NAD 83 (2007)
VERTICAL DATUM AND ADJUSTMENT: NAVD 88 (2007)
COORDINATE REFERENCE SYSTEM: WCCS ROCK CO

TRAFFIC DATA:

STH 11
A.A.D.T. (2013) ——— 12,900
A.A.D.T. (2033) ——— 19,019
DESIGN SPEED ——— 30 M.P.H

IH-39/90
A.A.D.T. (2010) ——— 50,400
A.A.D.T. (2016) ——— 59,200
A.A.D.T. (2040) ——— 94,300
DESIGN SPEED ——— 75 M.P.H.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	2155

STATE PROJECT NUMBER
1001-10-81

DESIGN DATA

LIVE LOAD:

DESIGN LOADING ——— HL-93
INVENTORY RATING FACTOR ——— RF=1.05
OPERATING RATING FACTOR ——— RF=1.37
WISCONSIN STANDARD PERMIT VEHICLE RATING (WIS.-SPV): — 200 KIPS

STRUCTURE IS RATED FOR A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. POLYMER OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLABS.

⬡ INDICATES WING NUMBER

WISCONSIN
JEFFREY J. KOCH
E-28802
PLAIN, WISCONSIN
PROFESSIONAL ENGINEER
8/13/2019

LIST OF DRAWINGS

1. GENERAL PLAN

CONSULTANT CONTACT
JEFFREY J. KOCH, P.E.
(608) 588-7866

BRIDGE OFFICE CONTACT
WILLIAM DREHER, P.E.
(608) 266-8489

NO.	DATE	REVISION	BY

WESTBROOK Associated Engineers, Inc.
619 EAST HOXIE STREET
P.O. BOX 429
SPRING GREEN, WI 53588
PHONE (608) 588-7866
FAX (608) 588-7954

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/25/19
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-53-329

STH 11 OVER IH-39/90

COUNTY: ROCK
~~TOWN~~/CITY/~~VILLAGE~~: JANESVILLE
DESIGN SPEC.: REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JDO	CDS	JDO	JJK

GENERAL PLAN

SHEET 1 OF 1

206

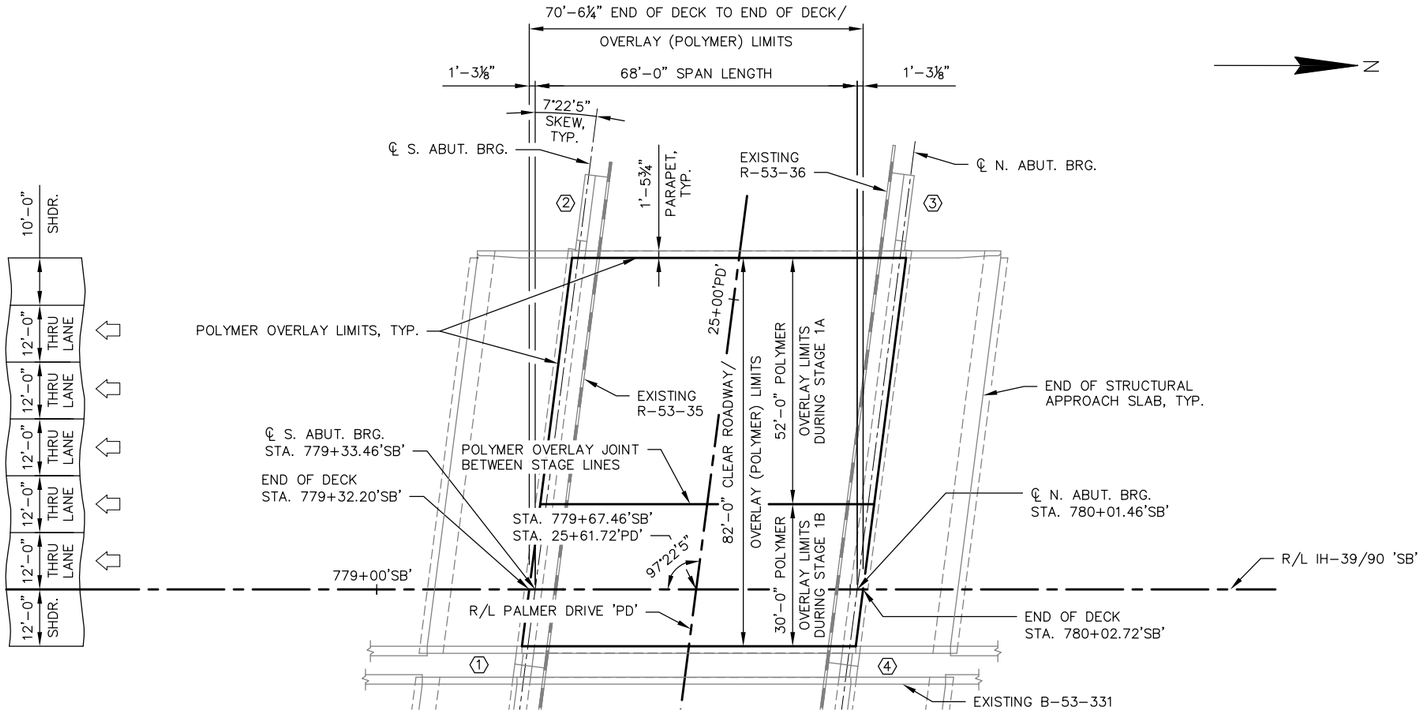
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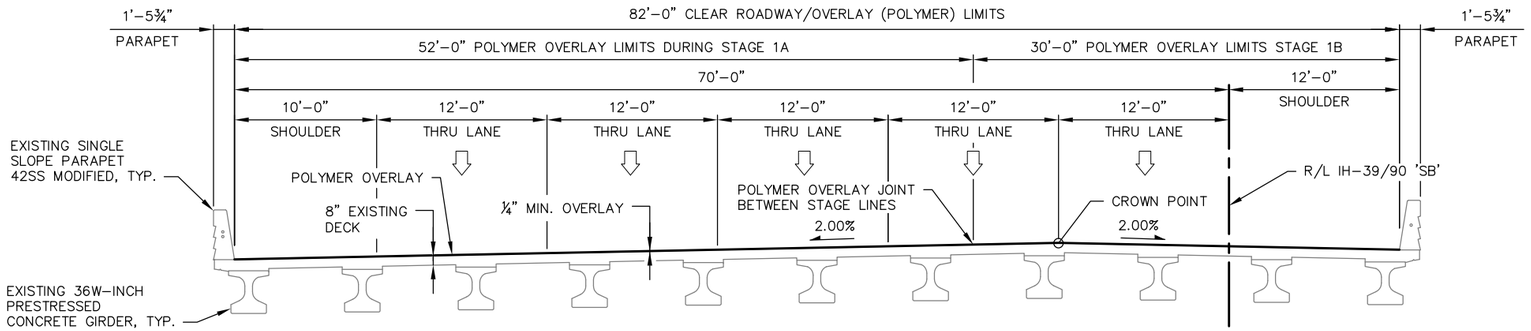
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PLOT DATE: Aug 13, 2019



PLAN B-53-330

(SINGLE SPAN 36W-INCH PRESTRESSED CONCRETE GIRDERS)



CROSS SECTION THRU IH-39/90 'SB' IN SPAN

(LOOKING NORTH)

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
350H	779+03.50	DISK B-53-62, 38.5' RT.	839.52

HORIZONTAL DATUM AND ADJUSTMENT: NAD 83 (2007)
VERTICAL DATUM AND ADJUSTMENT: NAVD 88 (2007)
COORDINATE REFERENCE SYSTEM: WCCS ROCK CO

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	643

TRAFFIC DATA:

IH-39/90
A.A.D.T. (2017) —— 59,000
A.A.D.T. (2040) —— 92,400
DESIGN SPEED —— 70 M.P.H.

PALMER DRIVE
A.A.D.T. (2017) —— 2,500
A.A.D.T. (2040) —— 4,100
DESIGN SPEED —— 30 M.P.H.

STATE PROJECT NUMBER
1001-10-81

DESIGN DATA

LIVE LOAD:

DESIGN LOADING —— HL-93
INVENTORY RATING FACTOR —— RF=1.25
OPERATING RATING FACTOR —— RF=1.62
WISCONSIN STANDARD PERMIT VEHICLE RATING (WIS.-SPV): — 250 KIPS

STRUCTURE IS RATED FOR A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. POLYMER OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLABS.

⬡ INDICATES WING NUMBER

WISCONSIN
JEFFREY J. KOCH
E-28802
PLAIN, WISCONSIN
PROFESSIONAL ENGINEER

8/13/2019

LIST OF DRAWINGS

1. GENERAL PLAN

CONSULTANT CONTACT
JEFFREY J. KOCH, P.E.
(608) 588-7866

BRIDGE OFFICE CONTACT
WILLIAM DREHER, P.E.
(608) 266-8489

NO.	DATE	REVISION	BY

WESTBROOK
Associated Engineers, Inc.
619 EAST HOXIE STREET
P.O. BOX 429
SPRING GREEN, WI 53588
PHONE (608) 588-7866
FAX (608) 588-7954

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/25/19
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-53-330

IH-39/90 'SB' OVER PALMER DRIVE

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
ROCK	JANESVILLE

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JDO	CDS	JDO	JJK

GENERAL PLAN

SHEET 1 OF 1

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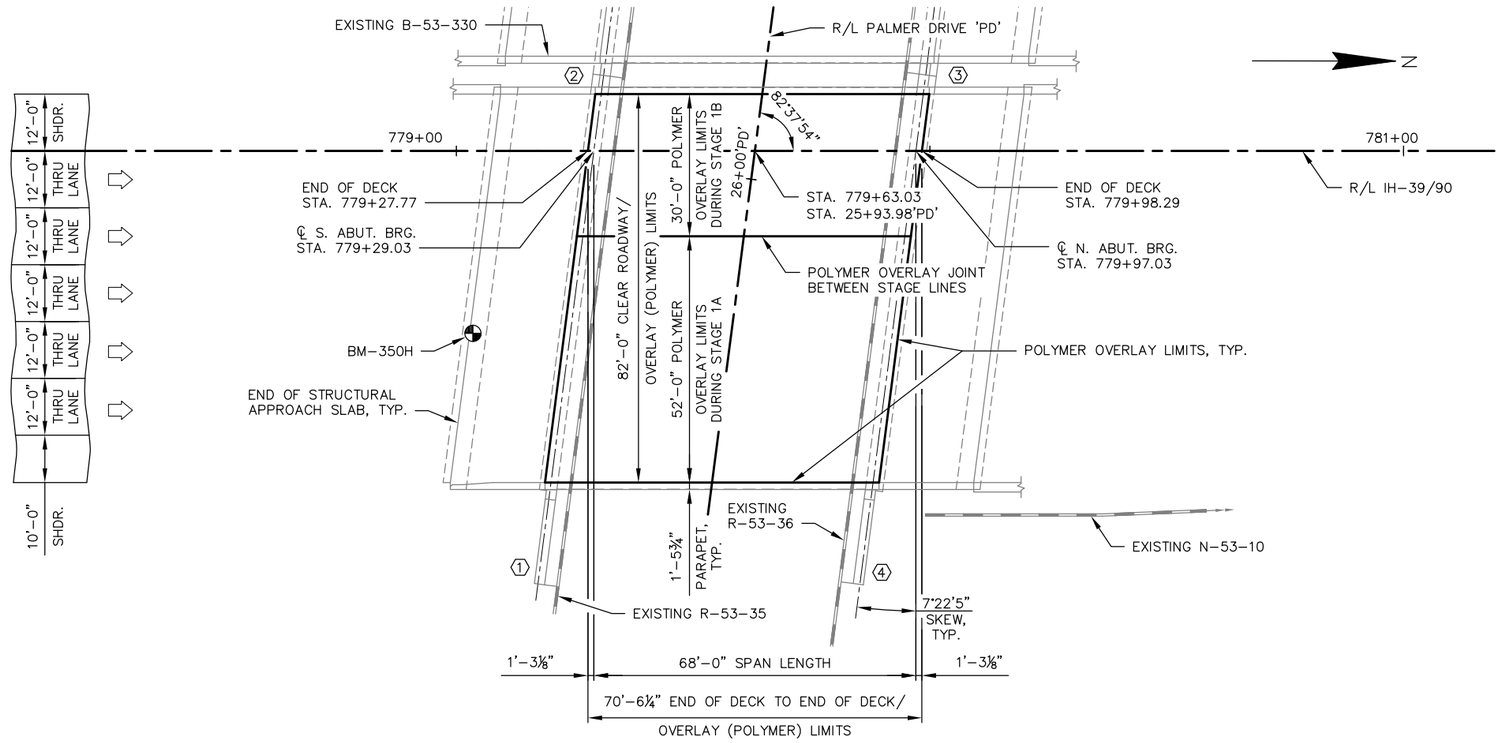
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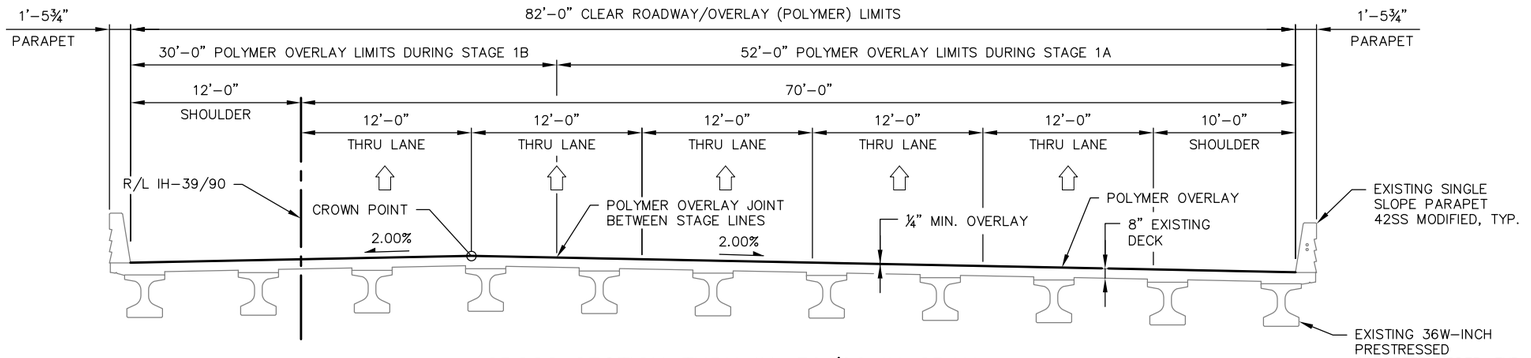
I.D. 1001-10-81

PLOT DATE: Aug 13, 2019



PLAN B-53-331

(SINGLE SPAN 36W-INCH PRESTRESSED CONCRETE GIRDERS)



CROSS SECTION THRU IH-39/90 IN SPAN

(LOOKING NORTH)

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
350H	779+03.50	DISK B-53-62, 38.5' RT.	839.52

HORIZONTAL DATUM AND ADJUSTMENT: NAD 83 (2007)
VERTICAL DATUM AND ADJUSTMENT: NAVD 88 (2007)
COORDINATE REFERENCE SYSTEM: WCCS ROCK CO

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	643

TRAFFIC DATA:

IH-39/90
A.A.D.T. (2017) —— 59,000
A.A.D.T. (2040) —— 92,400
DESIGN SPEED —— 70 M.P.H.

PALMER DRIVE
A.A.D.T. (2017) —— 2,500
A.A.D.T. (2036) —— 4,100
DESIGN SPEED —— 30 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN

STATE PROJECT NUMBER
1001-10-81

DESIGN DATA

LIVE LOAD:

DESIGN LOADING —— HL-93
INVENTORY RATING FACTOR —— RF=1.24
OPERATING RATING FACTOR —— RF=1.61
WISCONSIN STANDARD PERMIT VEHICLE RATING (WIS.-SPV): — 250 KIPS

STRUCTURE IS RATED FOR A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. POLYMER OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLABS.

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JEFFREY J. KOCH
E-28802
PLAIN, WISCONSIN
PROFESSIONAL ENGINEER
8/13/2019

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(608) 588-7866

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WILLIAM DREHER, P.E.
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NO.	DATE	REVISION	BY

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Associated Engineers, Inc.
619 EAST HOXIE STREET
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SPRING GREEN, WI 53588
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FAX (608) 588-7954

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 11/25/19
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-53-331

IH-39/90 OVER PALMER DRIVE

COUNTY: ROCK
~~TOWN~~/CITY/~~VILLAGE~~: JANESVILLE
DESIGN SPEC.: REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JDO	CDS	JDO	JJK

GENERAL PLAN

SHEET 1 OF 1

208

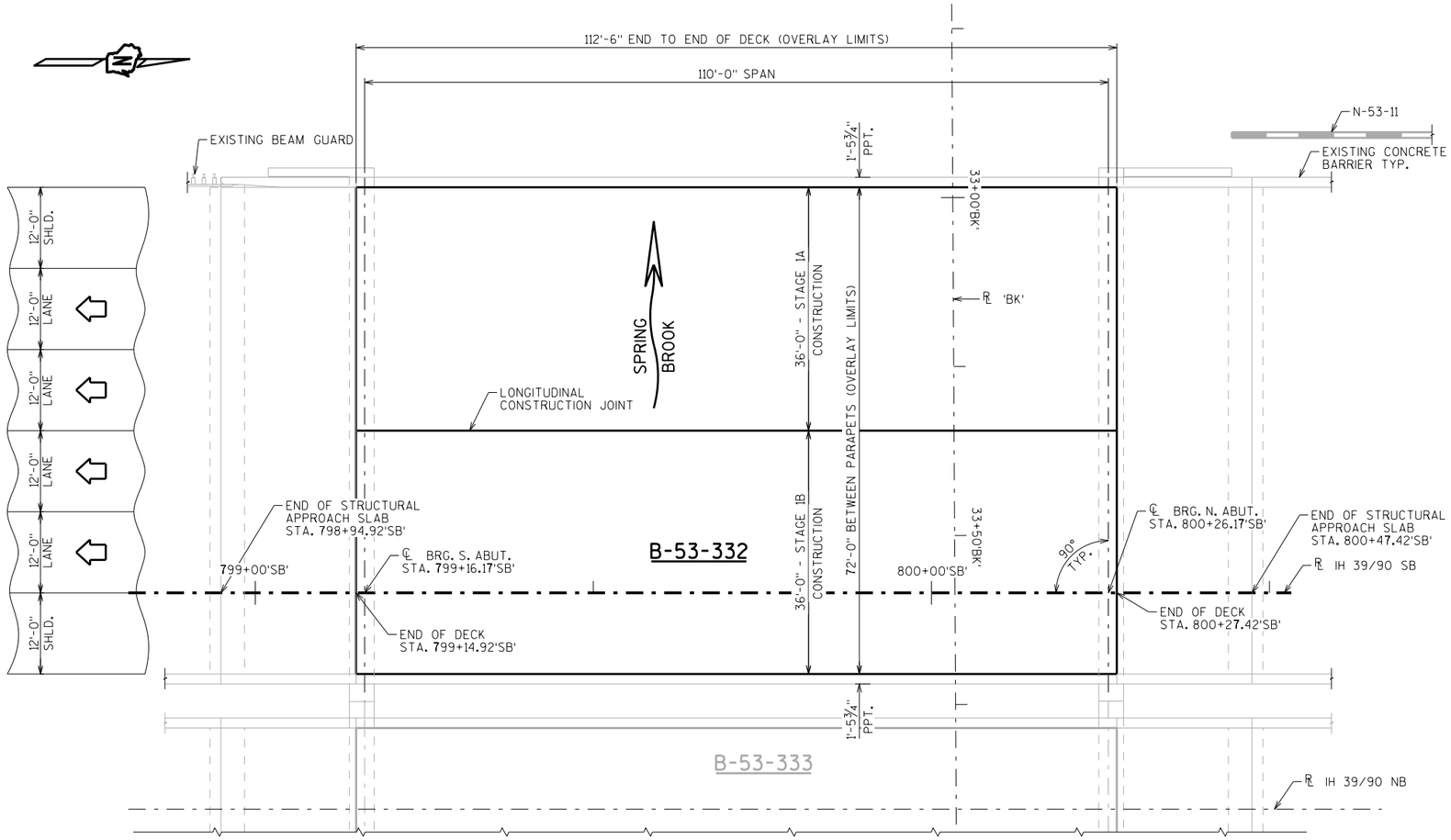
I.D. 1001-10-81

PLOT DATE: Aug 13, 2019

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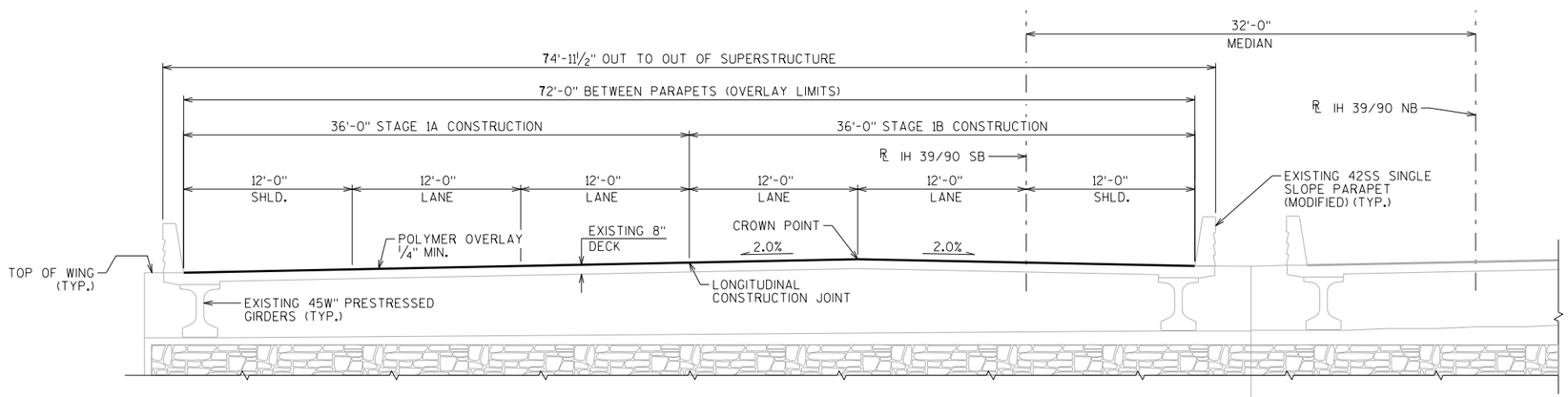
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8



PLAN

(SINGLE SPAN - 45W" PRESTRESSED GIRDERS)



CROSS SECTION THRU ROADWAY

(LOOKING NORTH)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.11
OPERATING RATING FACTOR: RF=1.68
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

TRAFFIC VOLUME

IH 39/90
A.D.T.=92,400 (2040)
R.D.S.=70 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	900

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURE DESIGN CONTACTS:

MICHAEL LARSON (608) 267-4539
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 2/17/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STATE PROJECT NUMBER
1001-10-81

STRUCTURE B-53-332

IH 39/90 SB OVER SPRING BROOK

COUNTY ROCK | ~~TOWN~~/CITY/~~VILLAGE~~ JANESVILLE

DESIGN SPEC. REHABILITATION

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MJL	SEW	MJL	SEW

POLYMER OVERLAY

SHEET 1 OF 1

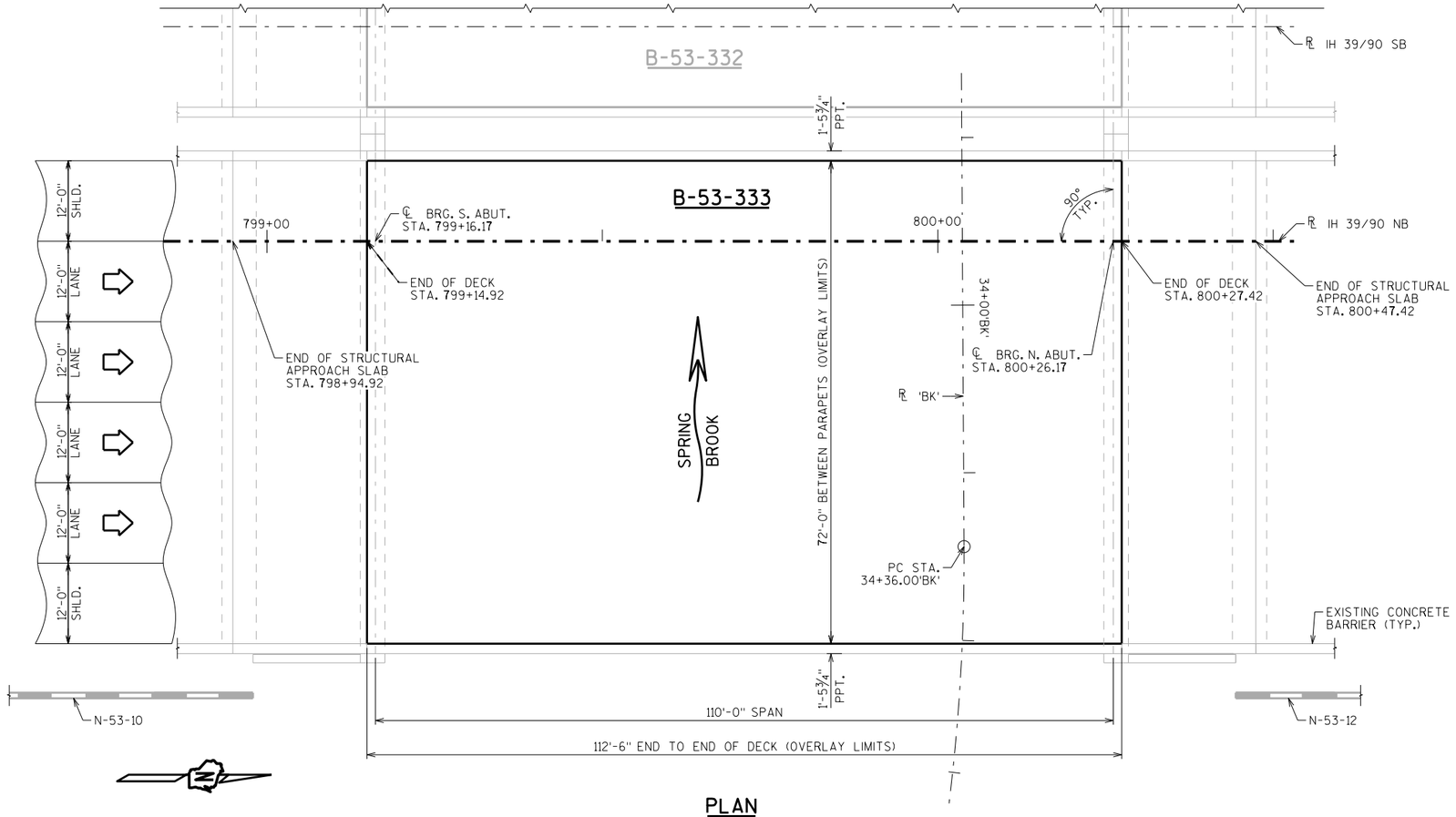
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I.D. 1005-10-01BC DATE: JAN. 2019

SCALE = 10.00

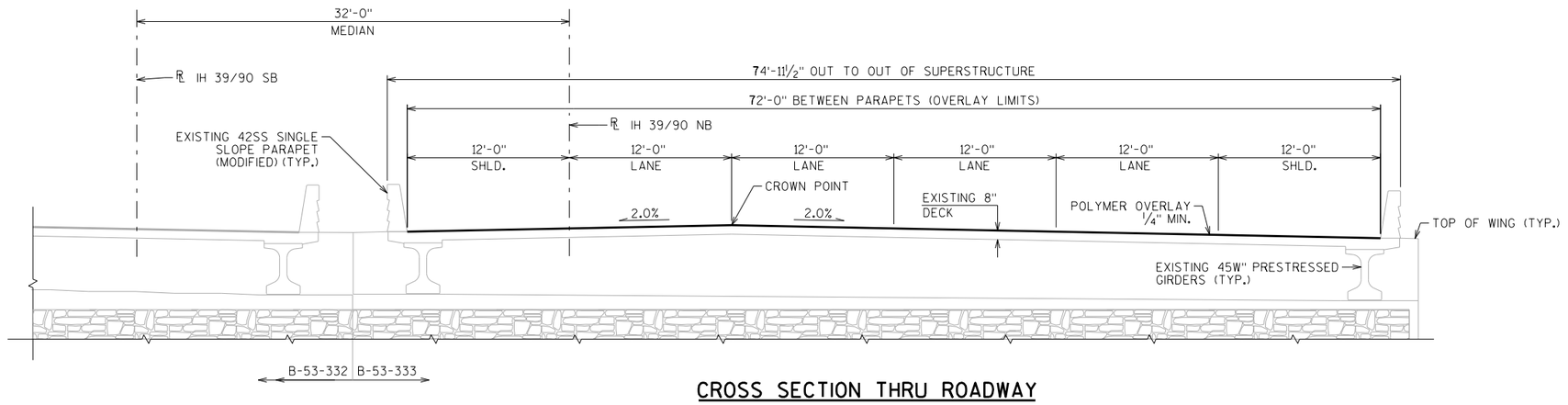
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8



PLAN

(SINGLE SPAN - 45W" PRESTRESSED GIRDERS)



CROSS SECTION THRU ROADWAY

(LOOKING NORTH)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.11
OPERATING RATING FACTOR: RF=1.68
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

TRAFFIC VOLUME

IH 39/90
A.D.T.=92,400 (2040)
R.D.S.=70 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	900

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURE DESIGN CONTACTS:

MICHAEL LARSON (608) 267-4539
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES
ACCEPTED William C. Dreher LLS 2/17/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-333

IH 39/90 NB OVER SPRING BROOK

COUNTY ROCK | ~~TOWN~~/CITY/~~VILLAGE~~ JANESVILLE

DESIGN SPEC. REHABILITATION

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MJL	SEW	MJL	SEW

POLYMER OVERLAY

SHEET 1 OF 1

210

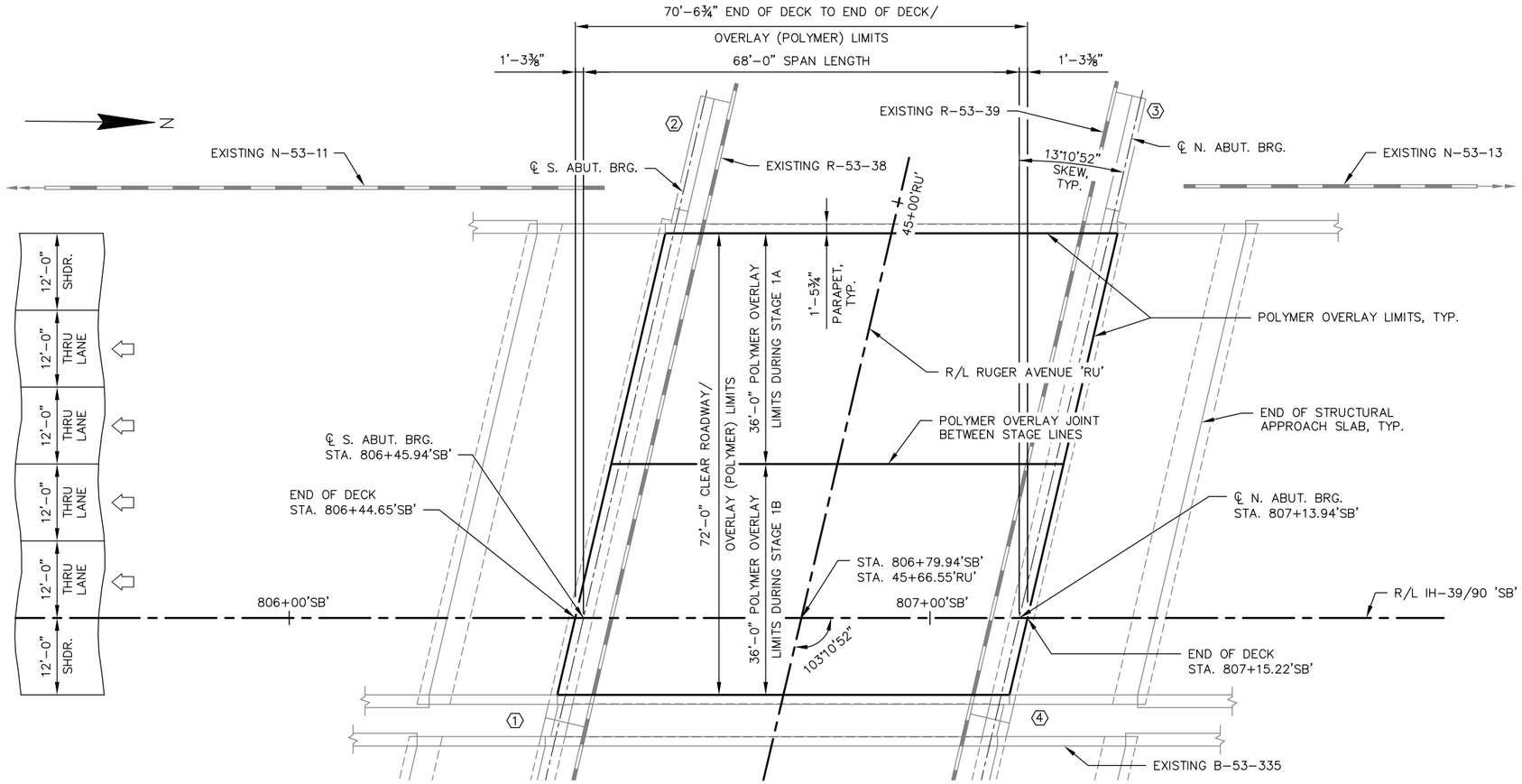
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SCALE = 10.00

STATE PROJECT NUMBER
1001-10-81

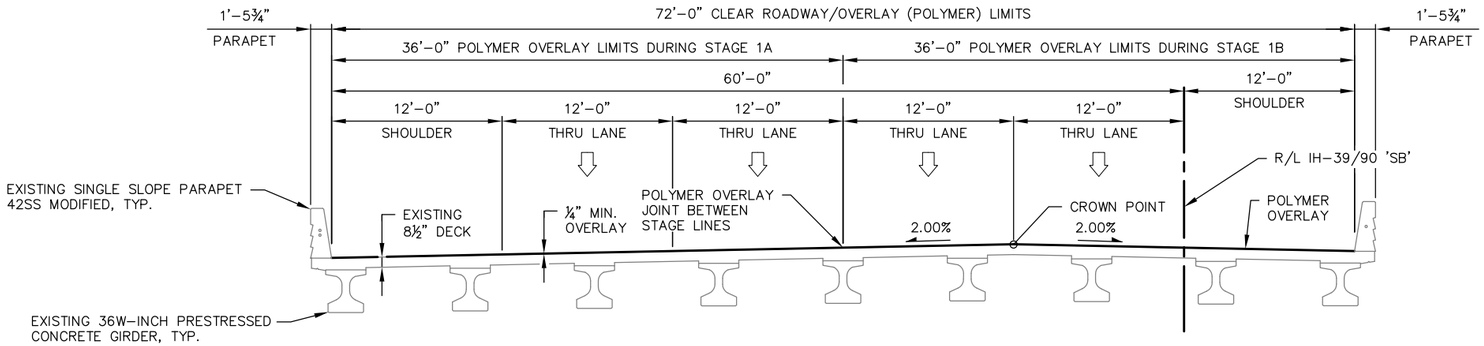
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PLAN B-53-334

(SINGLE SPAN 36W-INCH PRESTRESSED CONCRETE GIRDERS)



CROSS SECTION THRU IH-39/90 'SB' IN SPAN

(LOOKING NORTH)

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
352H	806+09.30	DISK B-53-30, 37.1' RT.	822.49

HORIZONTAL DATUM AND ADJUSTMENT: NAD 83 (2007)
VERTICAL DATUM AND ADJUSTMENT: NAVD 88 (2007)
COORDINATE REFERENCE SYSTEM: WCCS ROCK CO

TRAFFIC DATA:

IH-39/90
A.A.D.T. (2017) —— 59,000
A.A.D.T. (2040) —— 92,400
DESIGN SPEED —— 70 M.P.H.

RUGER AVENUE
A.A.D.T. (2017) —— 6,200
A.A.D.T. (2036) —— 7,300
DESIGN SPEED —— 30 M.P.H.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	565

DESIGN DATA

LIVE LOAD:

DESIGN LOADING —— HL-93
INVENTORY RATING FACTOR —— RF=1.19
OPERATING RATING FACTOR —— RF=1.54
WISCONSIN STANDARD PERMIT VEHICLE RATING (WIS.-SPV): — 250 KIPS

STRUCTURE IS RATED FOR A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. POLYMER OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLABS.

⬡ INDICATES WING NUMBER

LIST OF DRAWINGS

1. GENERAL PLAN

WISCONSIN
JEFFREY J. KOCH
E-28802
PLAIN, WISCONSIN
PROFESSIONAL ENGINEER

8/13/2019

STATE PROJECT NUMBER
1001-10-81

CONSULTANT CONTACT
JEFFREY J. KOCH, P.E.
(608) 588-7866

BRIDGE OFFICE CONTACT
WILLIAM DREHER, P.E.
(608) 266-8489

NO.	DATE	REVISION	BY

WESTBROOK Associated Engineers, Inc.
619 EAST HOXIE STREET
P.O. BOX 429
SPRING GREEN, WI 53588
PHONE (608) 588-7866
FAX (608) 588-7954

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 11/25/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-334

IH-39/90 'SB' OVER RUGER AVENUE

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
ROCK	JANESVILLE

DESIGN SPEC.: REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JDO	CDS	JDO	JJK

GENERAL PLAN

SHEET 1 OF 1

211

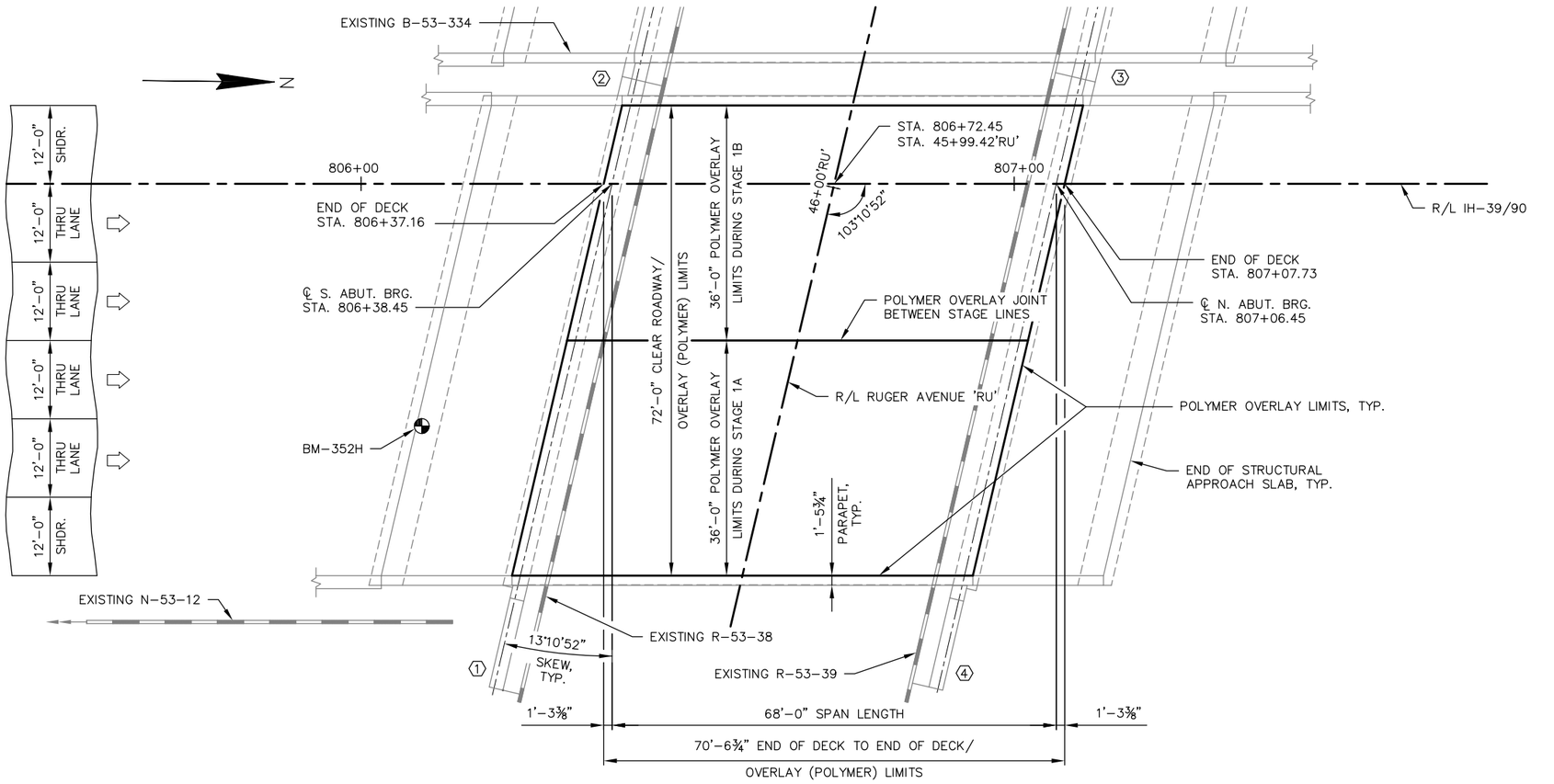
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I.D. 1001-10-81

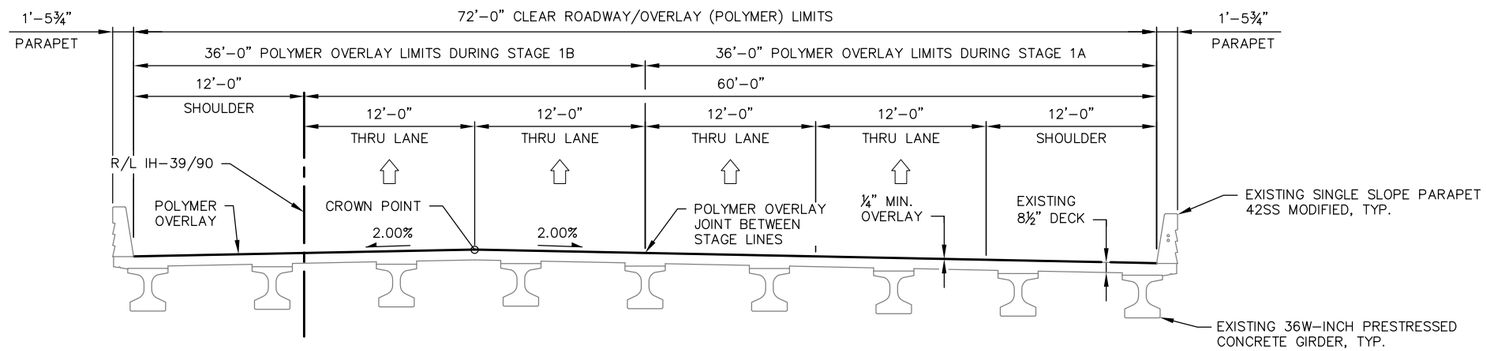
PLOT DATE: Aug 13, 2019

FILE: 01-B530334_overlay.dwg
PLOT SCALE:



PLAN B-53-335

(SINGLE SPAN 36W-INCH PRESTRESSED CONCRETE GIRDERS)



CROSS SECTION THRU IH-39/90 IN SPAN

(LOOKING NORTH)

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
352H	806+09.30	DISK B-53-30, 37.1' RT.	822.49

HORIZONTAL DATUM AND ADJUSTMENT: NAD 83 (2007)
VERTICAL DATUM AND ADJUSTMENT: NAVD 88 (2007)
COORDINATE REFERENCE SYSTEM: WCCS ROCK CO

TRAFFIC DATA:

IH-39/90
A.A.D.T. (2017) —— 59,000
A.A.D.T. (2040) —— 92,400
DESIGN SPEED —— 70 M.P.H.

RUGER AVENUE
A.A.D.T. (2017) —— 6,200
A.A.D.T. (2036) —— 7,300
DESIGN SPEED —— 30 M.P.H.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	565

STATE PROJECT NUMBER
1001-10-81

DESIGN DATA

LIVE LOAD:

DESIGN LOADING —— HL-93
INVENTORY RATING FACTOR —— RF=1.19
OPERATING RATING FACTOR —— RF=1.54
WISCONSIN STANDARD PERMIT VEHICLE RATING (WIS.-SPV): — 250 KIPS

STRUCTURE IS RATED FOR A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. POLYMER OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLABS.

⬡ INDICATES WING NUMBER

WISCONSIN
JEFFREY J. KOCH
E-28802
PLAIN, WISCONSIN
PROFESSIONAL ENGINEER

8/13/2019

LIST OF DRAWINGS

1. GENERAL PLAN

CONSULTANT CONTACT
JEFFREY J. KOCH, P.E.
(608) 588-7866

BRIDGE OFFICE CONTACT
WILLIAM DREHER, P.E.
(608) 266-8489

NO.	DATE	REVISION	BY

WESTBROOK Associated Engineers, Inc.
619 EAST HOXIE STREET
P.O. BOX 429
SPRING GREEN, WI 53588
PHONE (608) 588-7866
FAX (608) 588-7954

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/25/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-335

IH-39/90 OVER RUGER AVENUE

COUNTY: ROCK
~~TOWN~~/CITY/~~VILLAGE~~: JANESVILLE
DESIGN SPEC.: REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JDO	CDS	JDO	JJK

GENERAL PLAN

SHEET 1 OF 1

212

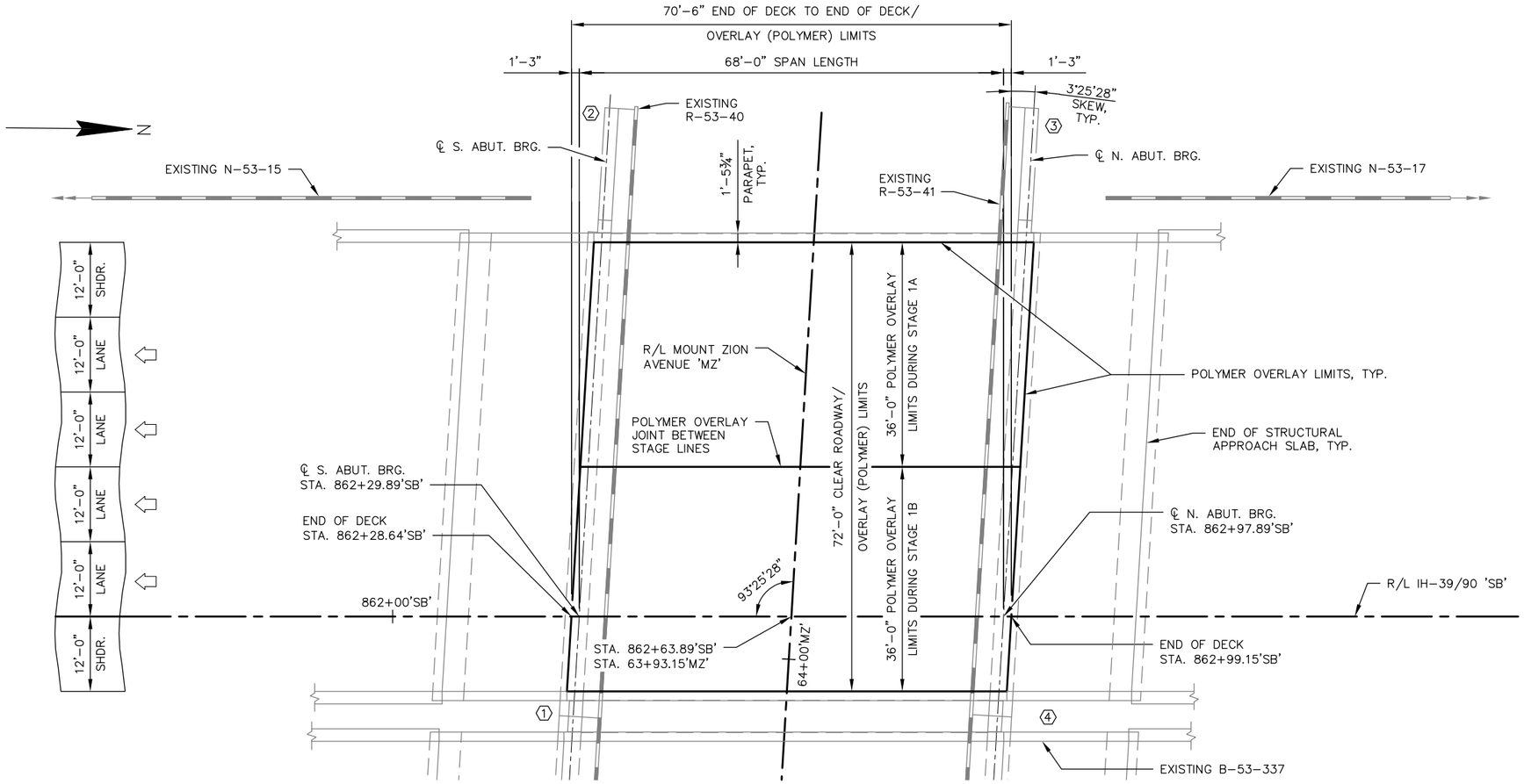
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I.D. 1001-10-81

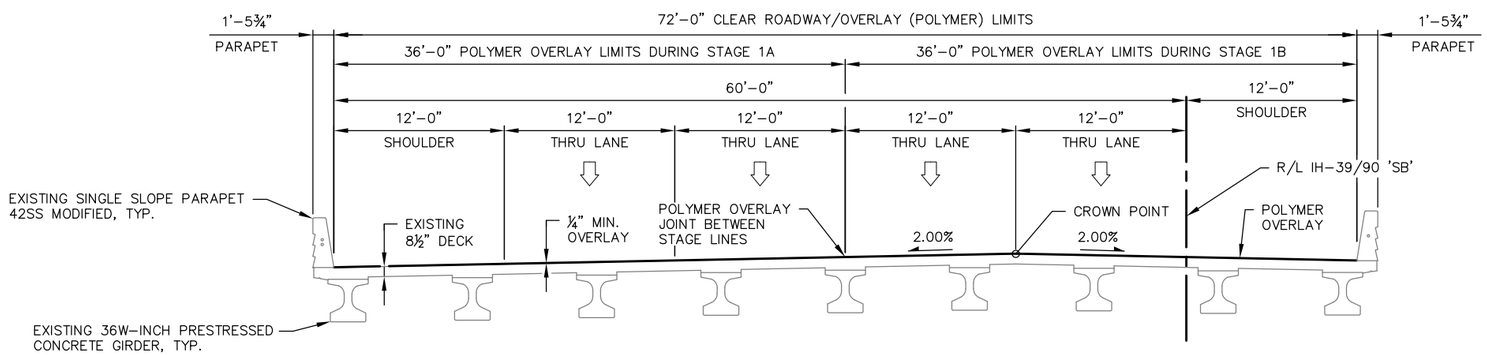
PLOT DATE: Aug 13, 2019

FILE: 01-B530335_overlay.dwg
PLOT SCALE:



PLAN B-53-336

(SINGLE SPAN 36W-INCH PRESTRESSED CONCRETE GIRDERS)



CROSS SECTION THRU IH-39/90 'SB' IN SPAN

(LOOKING NORTH)

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
354H	862+07.70	DISK B-53-60, 36.1' RT	866.10

HORIZONTAL DATUM AND ADJUSTMENT: NAD 83 (2007)
VERTICAL DATUM AND ADJUSTMENT: NAVD 88 (2007)
COORDINATE REFERENCE SYSTEM: WCCS ROCK CO

TRAFFIC DATA:

IH-39/90
A.A.D.T. (2017) — 59,000
A.A.D.T. (2040) — 92,400
DESIGN SPEED — 70 M.P.H.

MOUNT ZION AVENUE
A.A.D.T. (2017) — 7,400
A.A.D.T. (2036) — 7,800
DESIGN SPEED — 35 M.P.H.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	564

DESIGN DATA

LIVE LOAD:

DESIGN LOADING — HL-93
INVENTORY RATING FACTOR — RF=1.22
OPERATING RATING FACTOR — RF=1.58
WISCONSIN STANDARD PERMIT VEHICLE RATING (WIS.-SPV): — 250 KIPS

STRUCTURE IS RATED FOR A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. POLYMER OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLABS.

⬡ INDICATES WING NUMBER

WISCONSIN
JEFFREY J. KOCH
E-28802
PLAIN, WISCONSIN
PROFESSIONAL ENGINEER

8/13/2019

LIST OF DRAWINGS

1. GENERAL PLAN

STATE PROJECT NUMBER
1001-10-81

CONSULTANT CONTACT
JEFFREY J. KOCH, P.E.
(608) 588-7866

BRIDGE OFFICE CONTACT
WILLIAM DREHER, P.E.
(608) 266-8489

NO.	DATE	REVISION	BY

WESTBROOK Associated Engineers, Inc.
619 EAST HOXIE STREET
P.O. BOX 429
SPRING GREEN, WI 53588
PHONE (608) 588-7866
FAX (608) 588-7954

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/25/19
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-53-336

IH-39/90 'SB' OVER MOUNT ZION AVENUE

COUNTY	TOWN/CITY/VILLAGE
ROCK	JANESVILLE

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JDO	CDS	JDO	JJK

GENERAL PLAN

SHEET 1 OF 1

213

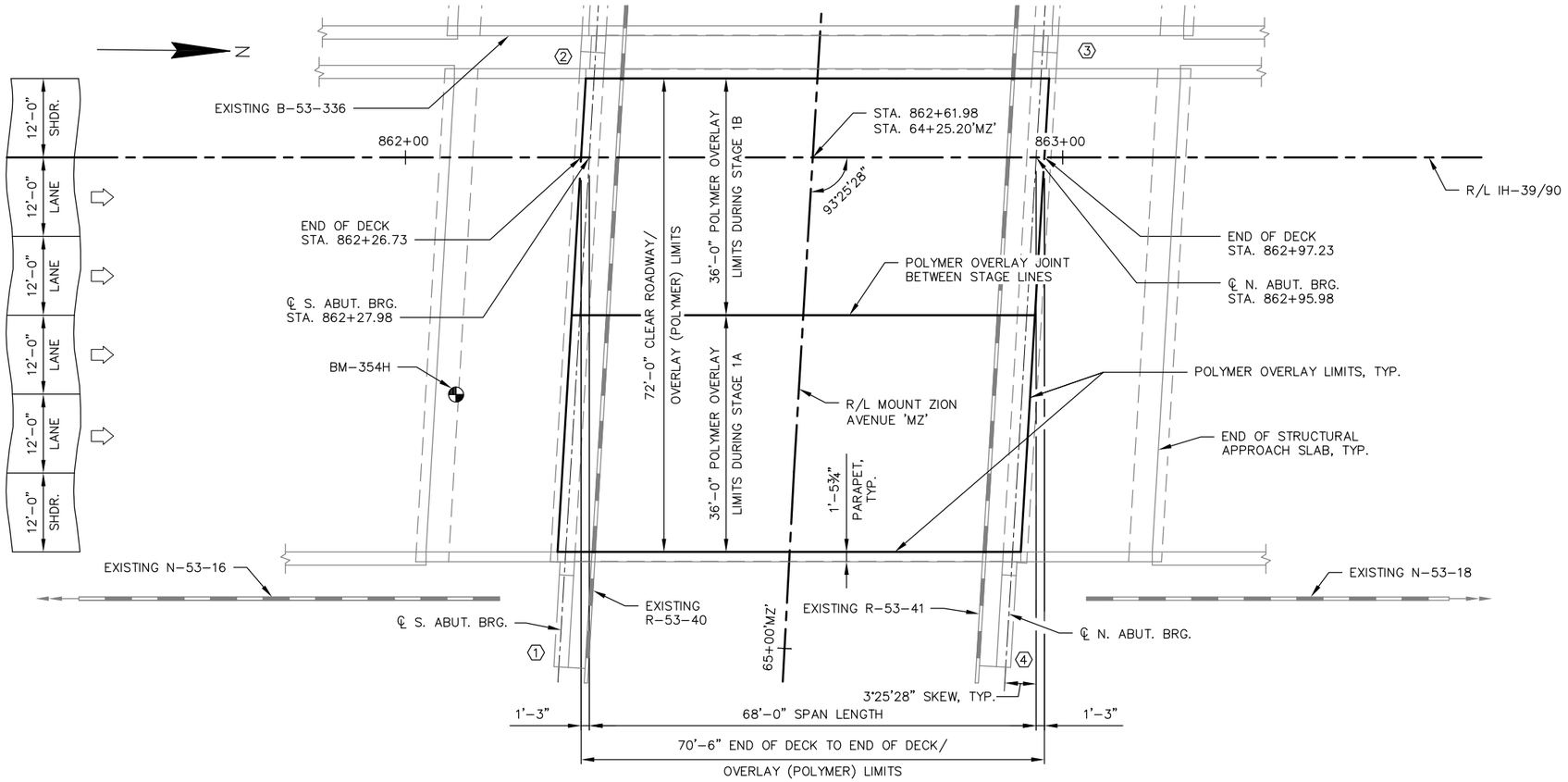
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FILE: 01-B530336_overlay.dwg
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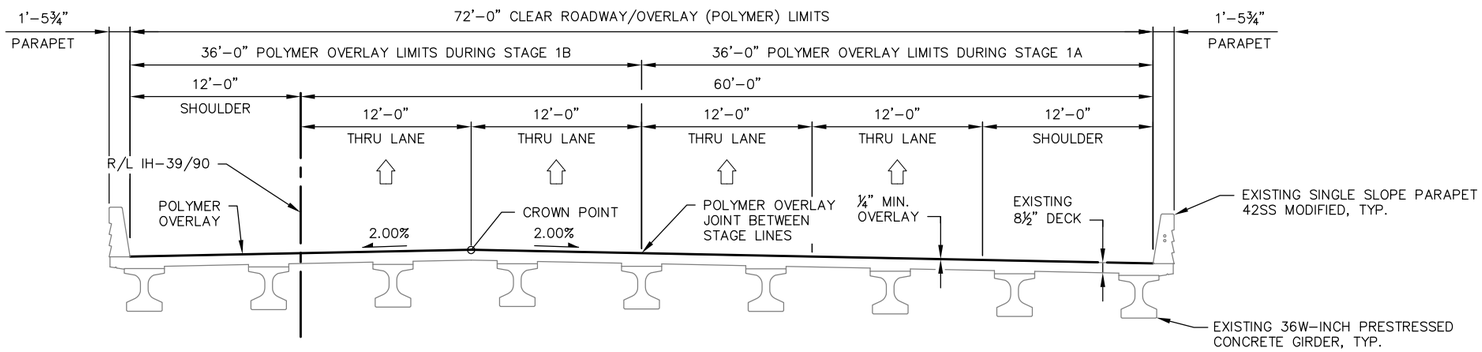
I.D. 1001-10-81

PLOT DATE: Aug 13, 2019



PLAN B-53-337

(SINGLE SPAN 36W-INCH PRESTRESSED CONCRETE GIRDERS)



CROSS SECTION THRU IH-39/90 IN SPAN

(LOOKING NORTH)

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
354H	862+07.70	DISK B-53-60, 36.1' RT	866.10

HORIZONTAL DATUM AND ADJUSTMENT: NAD 83 (2007)
VERTICAL DATUM AND ADJUSTMENT: NAVD 88 (2007)
COORDINATE REFERENCE SYSTEM: WCCS ROCK CO

TRAFFIC DATA:

IH-39/90
A.A.D.T. (2017) — 59,000
A.A.D.T. (2040) — 92,400
DESIGN SPEED — 70 M.P.H.

MOUNT ZION AVENUE
A.A.D.T. (2017) — 7,400
A.A.D.T. (2036) — 7,800
DESIGN SPEED — 35 M.P.H.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	564

DESIGN DATA

LIVE LOAD:

DESIGN LOADING — HL-93
INVENTORY RATING FACTOR — RF=1.22
OPERATING RATING FACTOR — RF=1.59
WISCONSIN STANDARD PERMIT VEHICLE RATING (WIS.-SPV): — 250 KIPS

STRUCTURE IS RATED FOR A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. POLYMER OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLABS.

⬡ INDICATES WING NUMBER

LIST OF DRAWINGS

1. GENERAL PLAN

WISCONSIN
JEFFREY J. KOCH
E-28802
PLAIN, WISCONSIN
PROFESSIONAL ENGINEER

8/13/2019

STATE PROJECT NUMBER
1001-10-81

CONSULTANT CONTACT
JEFFREY J. KOCH, P.E.
(608) 588-7866

BRIDGE OFFICE CONTACT
WILLIAM DREHER, P.E.
(608) 266-8489

NO.	DATE	REVISION	BY

WESTBROOK
Associated Engineers, Inc.
619 EAST HOXIE STREET
P.O. BOX 429
SPRING GREEN, WI 53588
PHONE (608) 588-7866
FAX (608) 588-7954

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 11/25/19
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-53-337

IH-39/90 OVER MOUNT ZION AVENUE

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
ROCK	JANESVILLE

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JDO	CDS	JDO	JJK

GENERAL PLAN

SHEET 1 OF 1

214

8

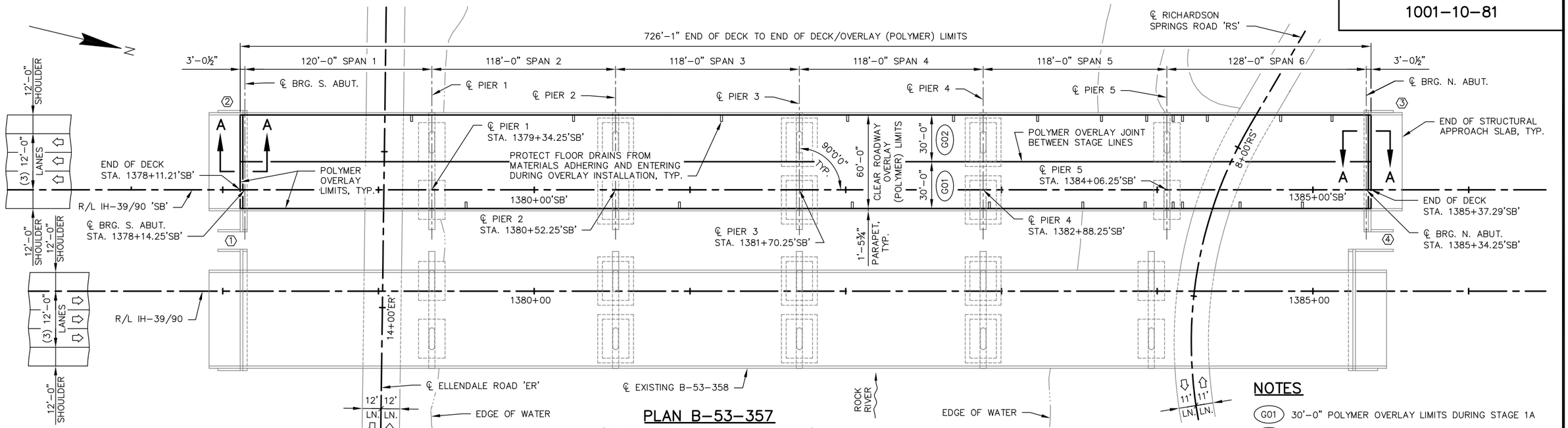
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FILE: 01-B530337_overlay.dwg
PLOT SCALE:

I.D. 1001-10-81

PLOT DATE: Aug 13, 2019

STATE PROJECT NUMBER
1001-10-81



PLAN B-53-357

(SIX SPAN 54W-INCH PRESTRESSED GIRDERS)

NOTES

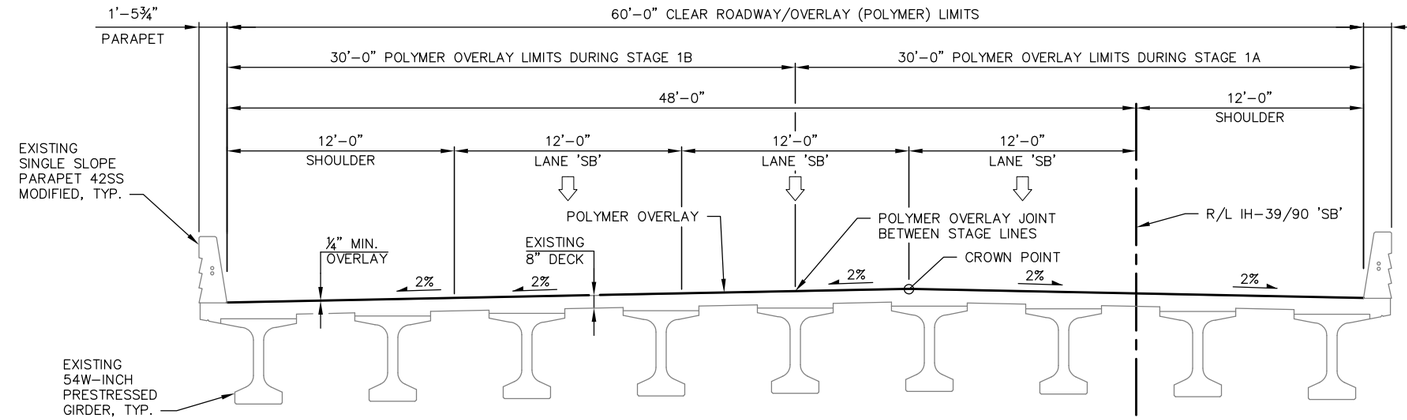
(G01) 30'-0" POLYMER OVERLAY LIMITS DURING STAGE 1A

(G02) 30'-0" POLYMER OVERLAY LIMITS DURING STAGE 1B

⬡ INDICATES WING NUMBER

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	4841



CROSS SECTION THRU IH-39/90 'SB' IN SPAN

(LOOKING NORTH)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. POLYMER OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLABS.

LIST OF DRAWINGS

1. GENERAL PLAN

DESIGN DATA

LIVE LOAD:

DESIGN LOADING ——— HL-93

INVENTORY RATING FACTOR ——— RF=1.09

OPERATING RATING FACTOR ——— RF=1.41

WISCONSIN STANDARD PERMIT VEHICLE RATING (WIS.-SPV): ——— 250 KIPS

STRUCTURE IS RATED FOR A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
1	1402+11.56'NB'	¾" X 48" REBAR WITH CAP, 157.51' RT.	860.50

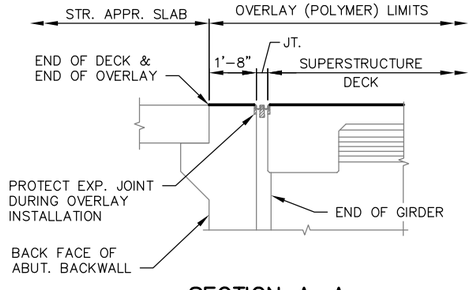
HORIZONTAL DATUM AND ADJUSTMENT: NAD 83 (2007)
VERTICAL DATUM AND ADJUSTMENT: NAVD 88 (2007)
COORDINATE REFERENCE SYSTEM: WCCS ROCK CO

TRAFFIC DATA:

IH-39/90
A.A.D.T. (2016) ——— 50,500
A.A.D.T. (2040) ——— 71,800
DESIGN SPEED ——— 70 M.P.H.

RICHARDSON SPRINGS ROAD
A.A.D.T. (2016) ——— 105
A.A.D.T. (2040) ——— 115
DESIGN SPEED ——— 25 M.P.H.

ELLENDALE ROAD
A.A.D.T. (2016) ——— 1,750
A.A.D.T. (2040) ——— 2,100
DESIGN SPEED ——— 30 M.P.H.



SECTION A-A

WISCONSIN JEFFREY J. KOCH E-28802 PLAIN, WISCONSIN PROFESSIONAL ENGINEER

10/4/2019

NO.	DATE	REVISION	BY

WESTBROOK Associated Engineers, Inc.
619 EAST HOXIE STREET
P.O. BOX 429
SPRING GREEN, WI 53588
PHONE (608) 588-7866
FAX (608) 588-7954

BRIDGE OFFICE CONTACT
WILLIAM DREHER, P.E.
(608) 266-8489

CONSULTANT CONTACT
JEFFREY J. KOCH, P.E.
(608) 588-7866

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/13/19
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-53-357

IH-39/90 'SB' OVER ROCK RIVER

COUNTY	TOWN ~~CITY/VILLAGE~~
ROCK	FULTON

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JDO	CDS	JDO	JJK

GENERAL PLAN

SHEET 1 OF 1

215

8

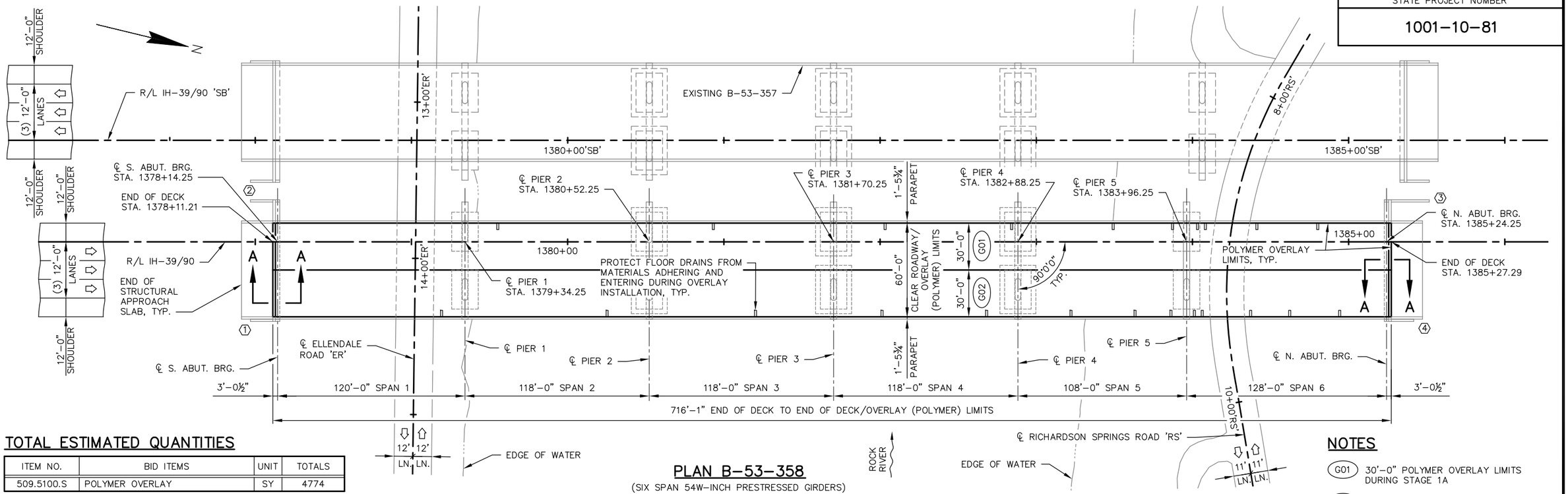
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FILE: 01-B530357_overlay.dwg
PLOT SCALE:

I.D. 1001-10-81

PLOT DATE: Oct 04, 2019

STATE PROJECT NUMBER
1001–10–81



PLAN B–53–358

(SIX SPAN 54W–INCH PRESTRESSED GIRDERS)

TOTAL ESTIMATED QUANTITIES

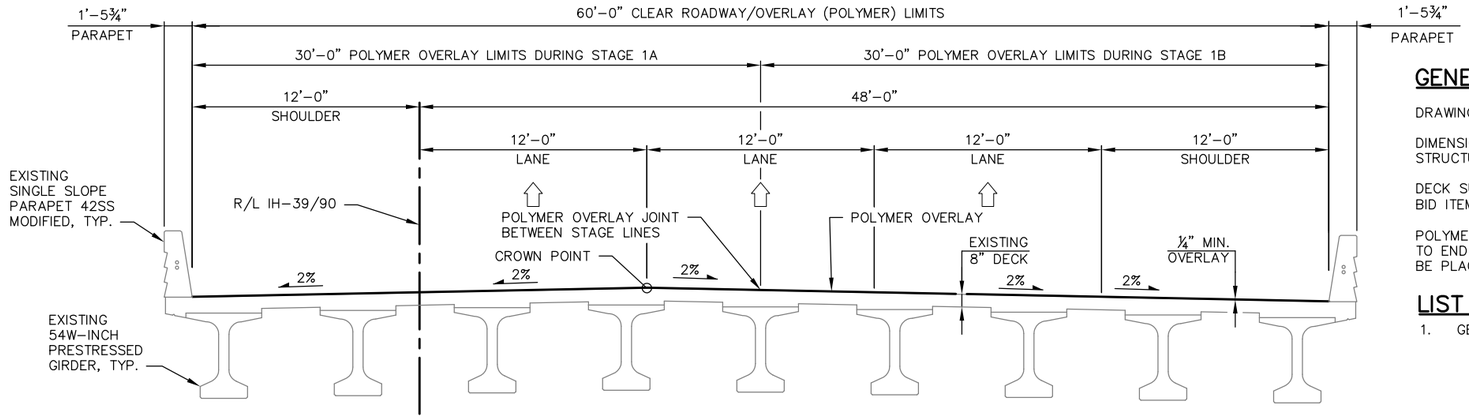
ITEM NO.	BID ITEMS	UNIT	TOTALS
509.5100.S	POLYMER OVERLAY	SY	4774

NOTES

(G01) 30'–0" POLYMER OVERLAY LIMITS DURING STAGE 1A

(G02) 30'–0" POLYMER OVERLAY LIMITS DURING STAGE 1B

⬡ INDICATES WING NUMBER



CROSS SECTION THRU IH–39/90 IN SPAN

(LOOKING NORTH)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO EXTEND FROM END OF DECK TO END OF DECK ONLY. POLYMER OVERLAY NOT TO BE PLACED ON STRUCTURAL APPROACH SLABS.

DESIGN DATA

LIVE LOAD:

DESIGN LOADING	HL–93
INVENTORY RATING FACTOR	RF=1.09
OPERATING RATING FACTOR	RF=1.41
WISCONSIN STANDARD PERMIT VEHICLE RATING (WIS.–SPV):	250 KIPS

STRUCTURE IS RATED FOR A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

LIST OF DRAWINGS

1. GENERAL PLAN

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
1	1402+11.56'NB'	¾" X 48" REBAR WITH CAP, 157.51' RT.	860.50

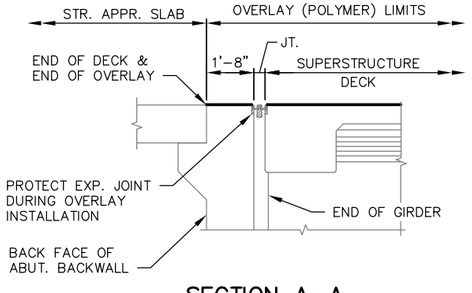
HORIZONTAL DATUM AND ADJUSTMENT: NAD 83 (2007)
VERTICAL DATUM AND ADJUSTMENT: NAVD 88 (2007)
COORDINATE REFERENCE SYSTEM: WCCS ROCK CO

TRAFFIC DATA:

IH–39/90
A.A.D.T. (2016) ——— 50,500
A.A.D.T. (2040) ——— 71,800
DESIGN SPEED ——— 70 M.P.H.

RICHARDSON SPRINGS ROAD
A.A.D.T. (2016) ——— 105
A.A.D.T. (2040) ——— 115
DESIGN SPEED ——— 25 M.P.H.

ELLENDALE ROAD
A.A.D.T. (2016) ——— 1,750
A.A.D.T. (2040) ——— 2,100
DESIGN SPEED ——— 30 M.P.H.



SECTION A–A

NO.	DATE	REVISION	BY

WESTBROOK Associated Engineers, Inc.
619 EAST HOXIE STREET
P.O. BOX 429
SPRING GREEN, WI 53588
PHONE (608) 588–7866
FAX (608) 588–7954

WISCONSIN
JEFFREY J. KOCH
E-28802
PLAIN, WISCONSIN
PROFESSIONAL ENGINEER

10/4/2019

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 11/13/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B–53–358

IH–39/90 OVER ROCK RIVER

COUNTY	TOWN ~~/CITY/VILLAGE~~
ROCK	FULTON

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JDO	CDS	JDO	JJK

GENERAL PLAN

SHEET 1 OF 1

216

I.D. 1001–10–81

PLOT DATE: Oct 04, 2019

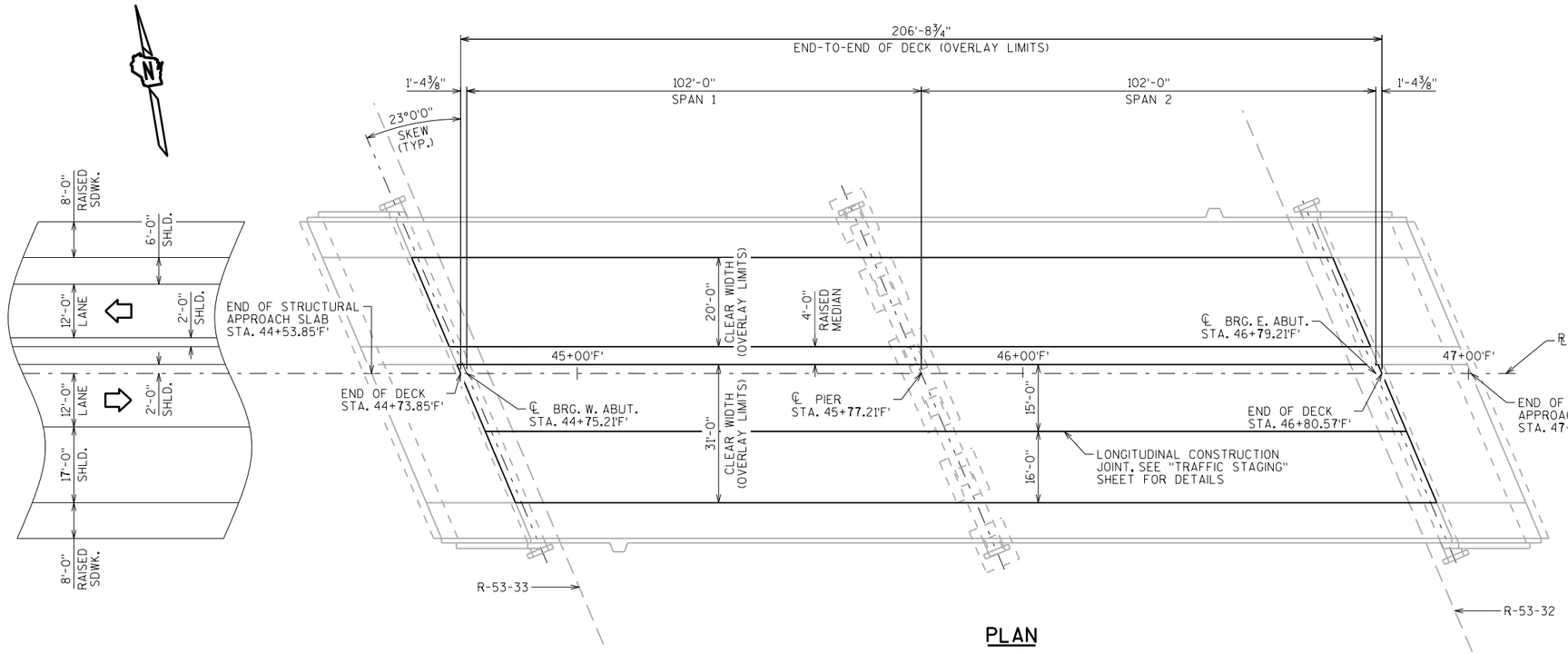
FILE: 01–B530358_overlay.dwg
PLOT SCALE:

8

8

STATE PROJECT NUMBER

1001-10-81



PLAN

(2-SPAN - 45W" PRESTRESSED CONCRETE GIRDER)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.14
OPERATING RATING FACTOR: RF = 1.48
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250(KIPS)

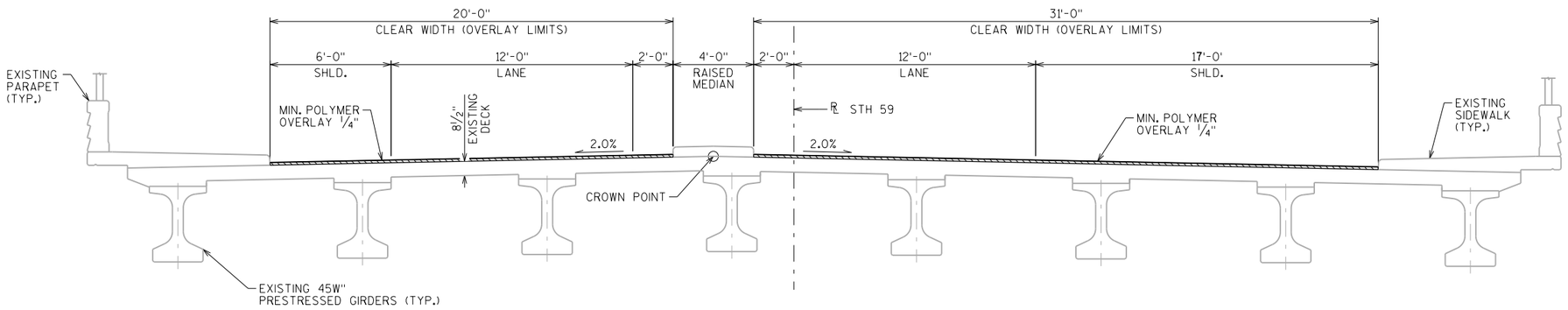
TRAFFIC VOLUME

STH 59

ADT = 12,180 (2036)
R.D.S. = 45 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.
509.5100.S	POLYMER OVERLAY	SY	1172



CROSS SECTION THRU ROADWAY LOOKING EAST

LIST OF DRAWINGS

1. POLYMER OVERLAY
2. TRAFFIC STAGING

STRUCTURE DESIGN CONTACTS:

JONATHON RESHESKE (608) 266-8491
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 2/17/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-53-359

STH 59 OVER IH 39/90 NB & SB

COUNTY ROCK | TOWN FULTON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JLR	SEW	JLR	SEW

POLYMER OVERLAY

SHEET 1 OF 2

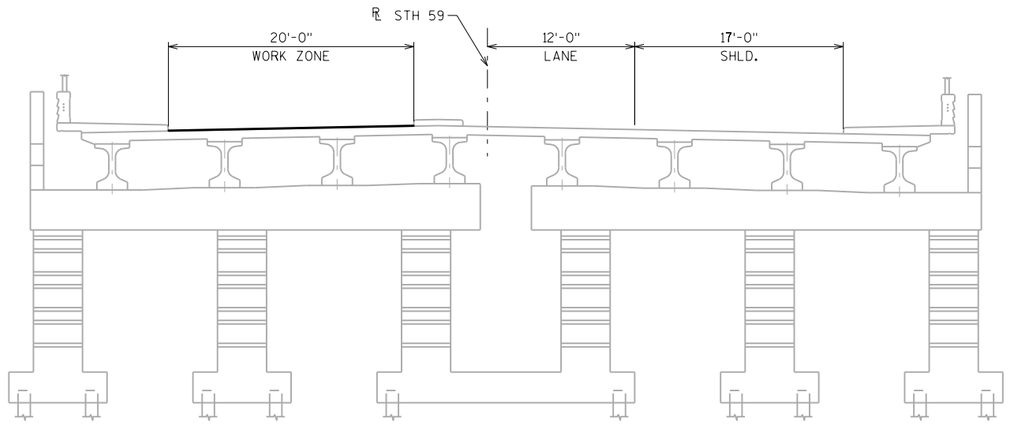
217

I.D. 1005-10-01BQ DATE: JAN 2018

SCALE = 15.00

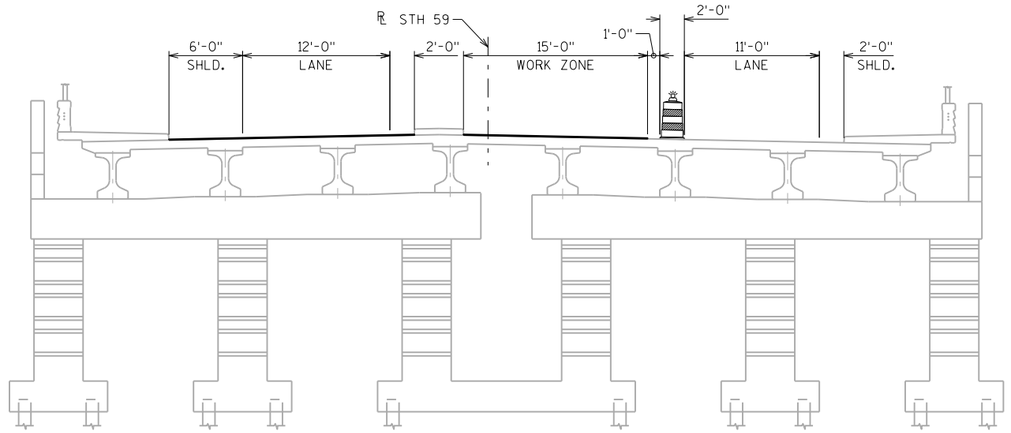
STATE PROJECT NUMBER

1001-10-81



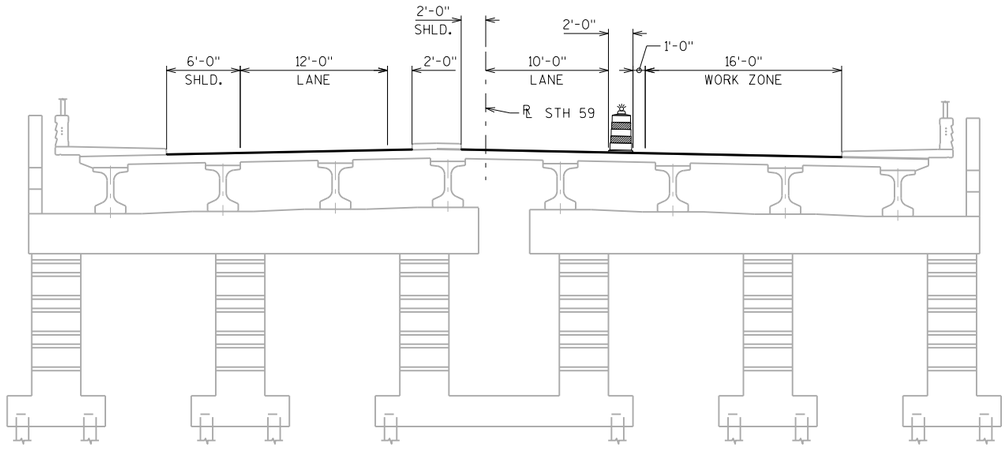
STAGE 1A

LOOKING EAST



STAGE 1B

LOOKING EAST



STAGE 1C

LOOKING EAST

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-53-359

DRAWN BY JLR | PLANS CK'D. SEW

TRAFFIC STAGING

SHEET 2

218

SCALE = 6.00

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov