WKE APR 2017

PROJECT ID: 1030-06-74

WITH: 1090-02-74, 1100-05-71

COUNTY: MILWAUKEE / RACINE

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 = 98



13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

IH 94

STDIM INT-MINERAL/STH59/WALKR KRAUT

IH 94

MILWAUKEE & RACINE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1030-06-74	WISC 2017183	1

STATE PROJECT NUMBER
1030-06-74

DESIGN DESIGNATION		IH 94 THROUGH STADIUM	IH 94 THROUGH VALLEY	IH 94 OVER KRAUT RD.
A.A.D.T.	=	54,500 (2014)	78,100 (2014)	87,360 (2014)
A.A.D.T.	=	60,800 (2037)	86,900 (2037)	109,400 (2037)
D.H.V.	=	2,350/2,000	3,350/2,850	6,850/6,850
D.D.	=	54/46	54/46	50/50
T.	=	7.1%	7.1%	12.5%
DESIGN SPEED	=	55 MPH	55 MPH	75 MPH
ESALS	=	N/A	N/A	N/A

CONVENTIONAL SYMBOLS

PLAN

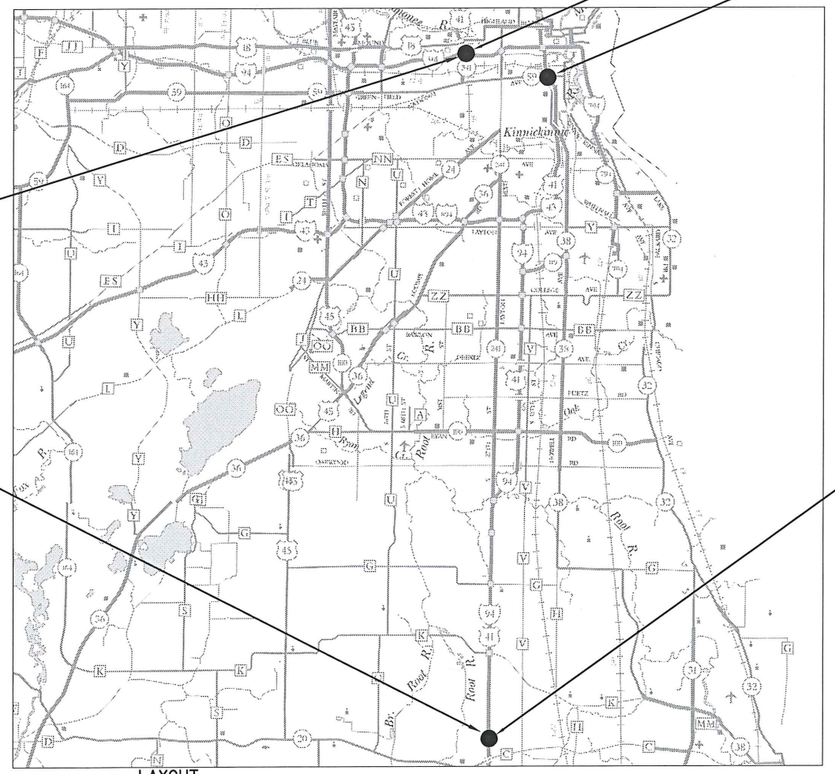
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

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



STRUCTURES
B-40-0042, B-40-0050

STRUCTURES
B-40-0285-025A, B-40-0285-025B,
B-40-0285-023A, B-40-0285-023B

IH 94 WB
BEGIN PROJECT
STA. 164+99
X = 589649.74
Y = 297694.34

IH 94 WB
END PROJECT
STA. 923+00

STRUCTURES
B-51-0025, B-51-0026

LAYOUT
SCALE 0 2 MILES

TOTAL NET LENGTH OF CENTERLINE = 0.000

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, MILWAUKEE COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	DEAN FILTZ
Project Manager	DEAN FILTZ
Regional Examiner	
Regional Supervisor	JOE GALLAMORE

APPROVED FOR THE DEPARTMENT

DATE: 1/17/17 Dean Filtz (Signature)

E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\010101_TI.DWG
LAYOUT NAME - 010101_TI

PLOT DATE : 2/1/2017 11:17 AM PLOT BY : FILTZ, DEAN J PLOT NAME :

STANDARD ABBREVIATIONS

BM	BENCH MARK
C/L	CENTER OR CONSTRUCTION LINE
D	LANE DISTRIBUTION
DHV	DESIGN HOURLY VOLUME
DIM	DIMENSION
EB	EASTBOUND
HMA	HOT MIX ASPHALT
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
NB	NORTHBOUND
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
RT	RIGHT
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
STA	STATION
SY	SQUARE YARD
TYP	TYPICAL
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
WB	WESTBOUND
V	DESIGN SPEED

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
PLAN DETAILS / EROSION CONTROL
PAVEMENT MARKING
TRAFFIC CONTROL
DETOURS

CONTACTS

WISDOT REGION CONTACT

DEAN FILTZ, PROJECT MANAGER
141 NW BARSTOW ST.
WAUKESHA, WI 53187
PHONE: (414) 220-5486
dean.filtz@dot.wi.gov

WISDNR CONTACT

KRISTINA BETZOLD
2300 N DR. MARTIN LUTHER KING JR. DR.
MILWAUKEE, WI 53212
PHONE: (414) 263-8517
kristina.betzold@wisconsin.gov

GENERAL NOTES

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

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

NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED.

EROSION CONTROL BMPS ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND BY THE ENGINEER. EROSION CONTROL BMPS SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

WHILE HIGH FRICTION SURFACE TREATMENT, POLYMER OVERLAY, OR SINGLE COURSE POLYMER OVERLAY IS BEING APPLIED, ALL INLETS RECEIVING INLET PROTECTION, AS SHOWN ON PLANS, SHALL ALSO BE COVERED WITH EITHER PLYWOOD OR STEEL PLATE. COVERING AND UNCOVERING INTLETS IS INCEDENTAL TO PROVIDING INLET PROTECTION.

2

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

2

2

IH 94 WB
BEGIN PROJECT
STA. 164+99
X = 589649.74
Y = 297694.34

PC: 164+02.63

RESIN BINDER HIGH FRICTION
SURFACE TREATMENT (ROADWAY)

STRUCTURE B-40-0042
POLYMER OVERLAY

PC: 156+95.32

PC: 151+96.19

PT: 11+49.09

44TH ST

YOUNT DR

IH 94 WB

IH 94 EB

155 160 165 170 175 180

PC: 6+53.79

PC: 3+54.79

BP: 0+00.00

PC: 173+02.62

PT: 176+00.01

STRUCTURE B-40-0050
SINGLE COURSE POLYMER OVERLAY

N

WASHINGTON ST

WALKER ST

PT: 166+35.29

PC: 171+27.90

PI: 24+58.68

PI: 25+76.91

PT: 180+70.39

STRUCTURE B-40-0285-025A
POLYMER OVERLAY

STRUCTURE B-40-0285-025B
POLYMER OVERLAY

STRUCTURE B-40-0285-023A
POLYMER OVERLAY

STRUCTURE B-40-0285-023B
POLYMER OVERLAY

PT: 30+18.32

EP: 41+06.52

IH 43/94/STH 41

IH 94 EB

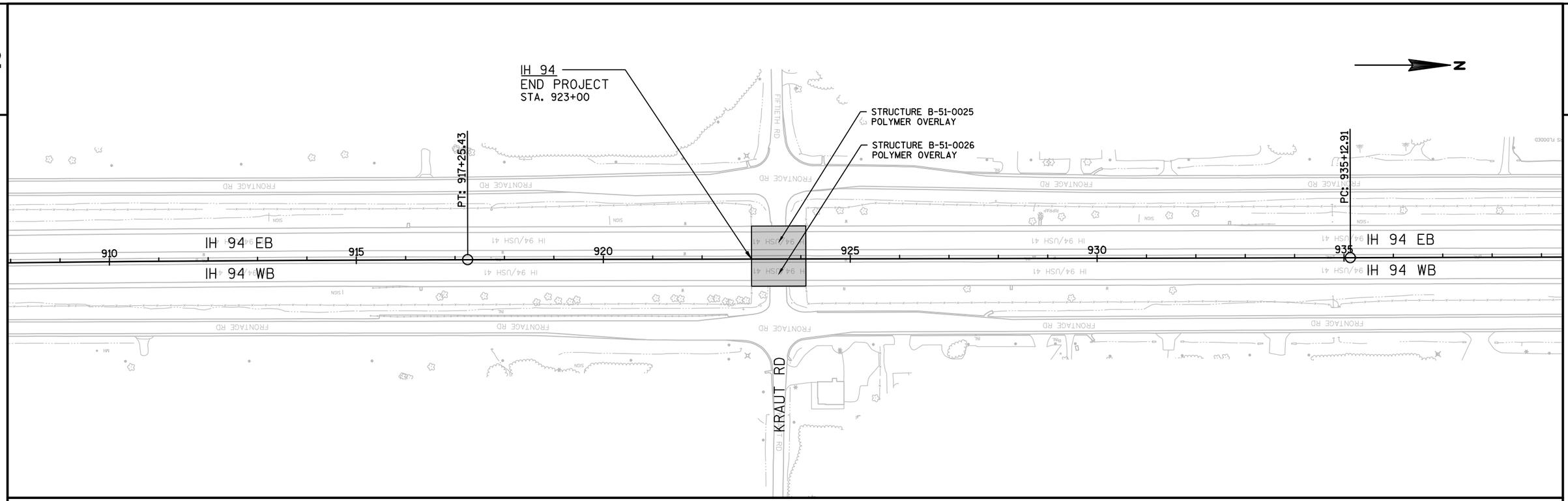
IH 94 WB

165 170 175 180 185 190 195

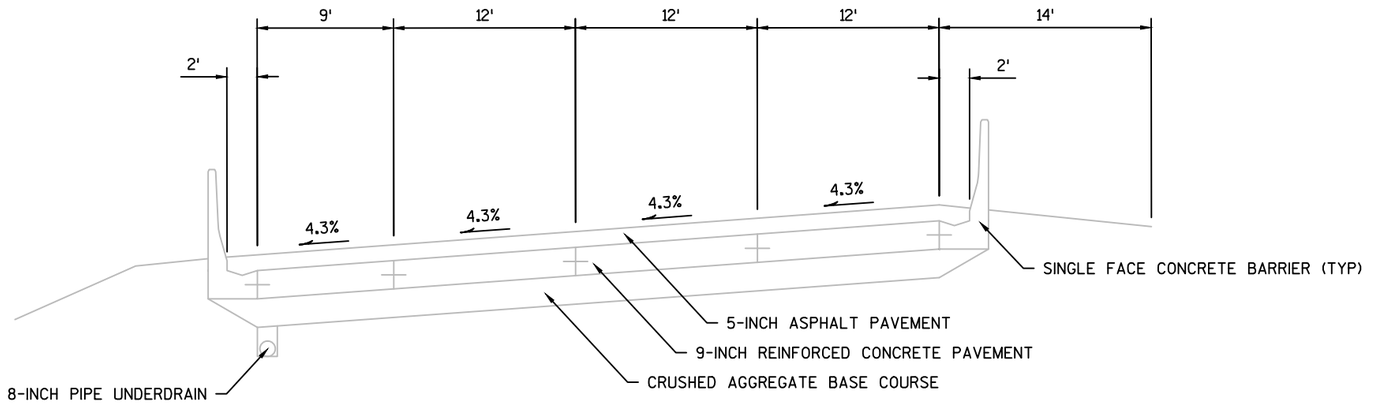
25 30 35 40

+00.00

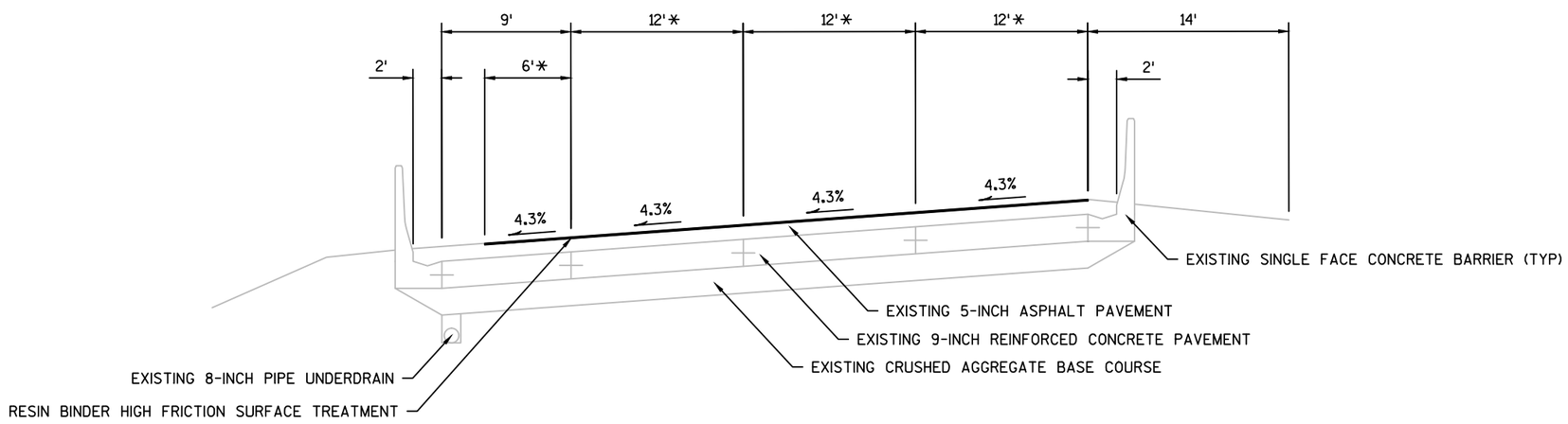
PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	PROJECT OVERVIEW	SHEET 3	E



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	PROJECT OVERVIEW	SHEET 4	E



TYPICAL EXISTING SECTION
IH 94
STA. 167+47 TO STA. 169+74

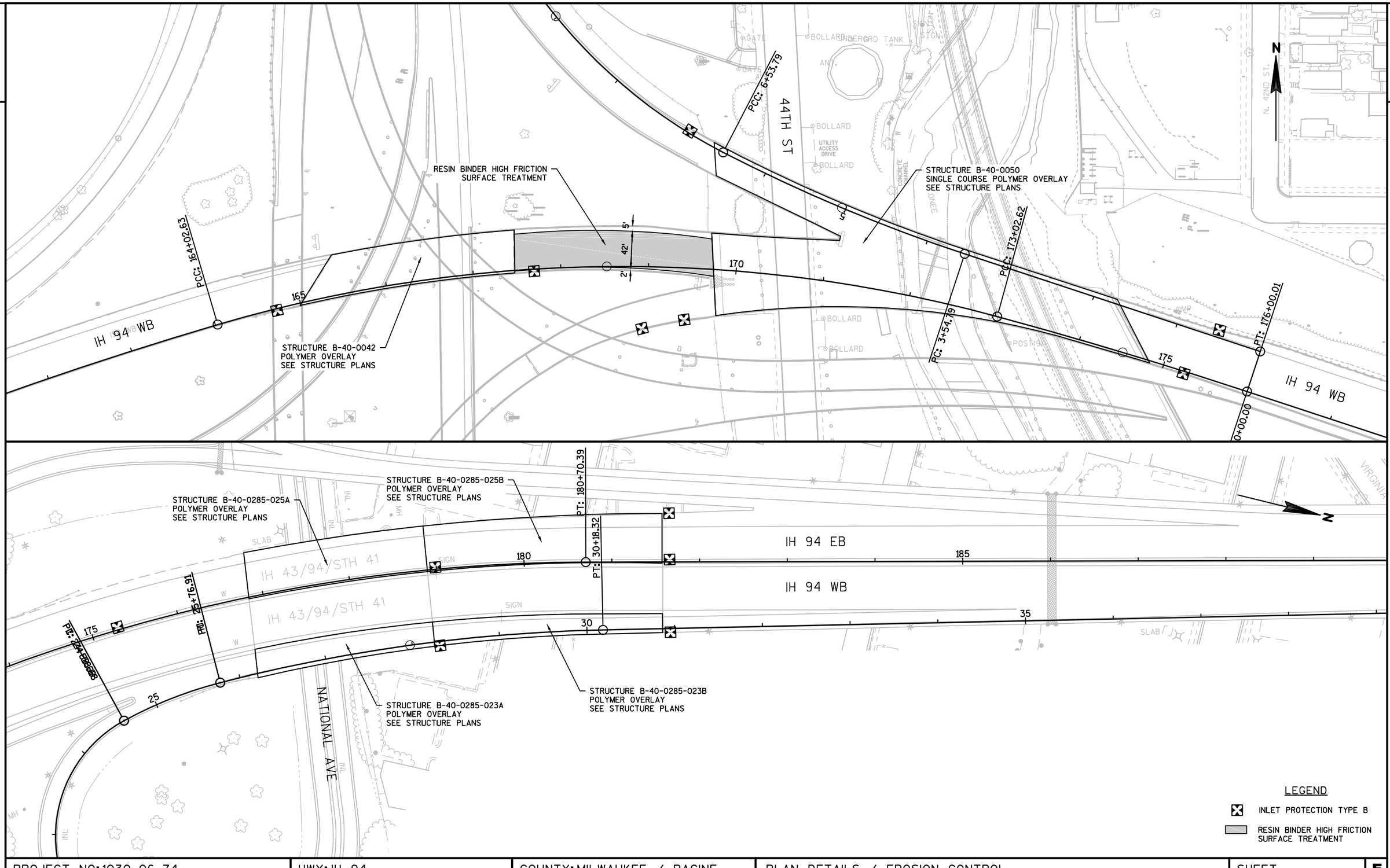


TYPICAL FINISHED SECTION
IH 94
STA. 167+47 TO STA. 169+74

* SURFACE AREA TO RECEIVE RESIN BINDER HIGH FRICTION SURFACE TREATMENT.

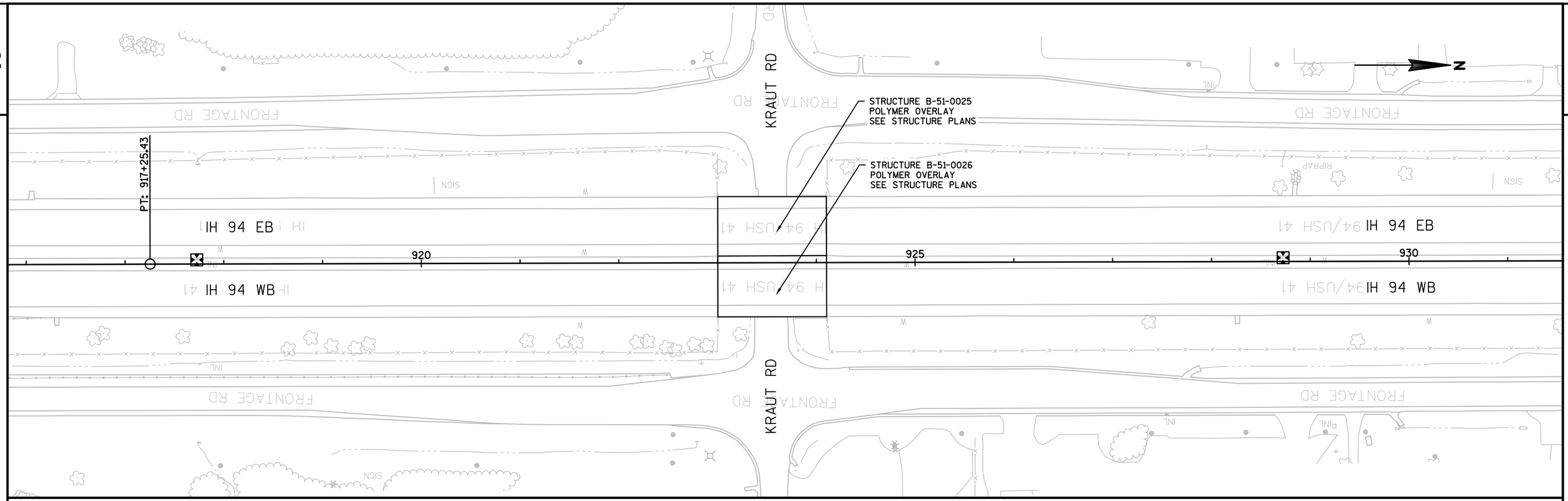
PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TYPICAL SECTIONS	SHEET 5	E

2



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	PLAN DETAILS / EROSION CONTROL	SHEET 6	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021201_PD
PLOT DATE : 1/16/2017 2:45 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



LEGEND

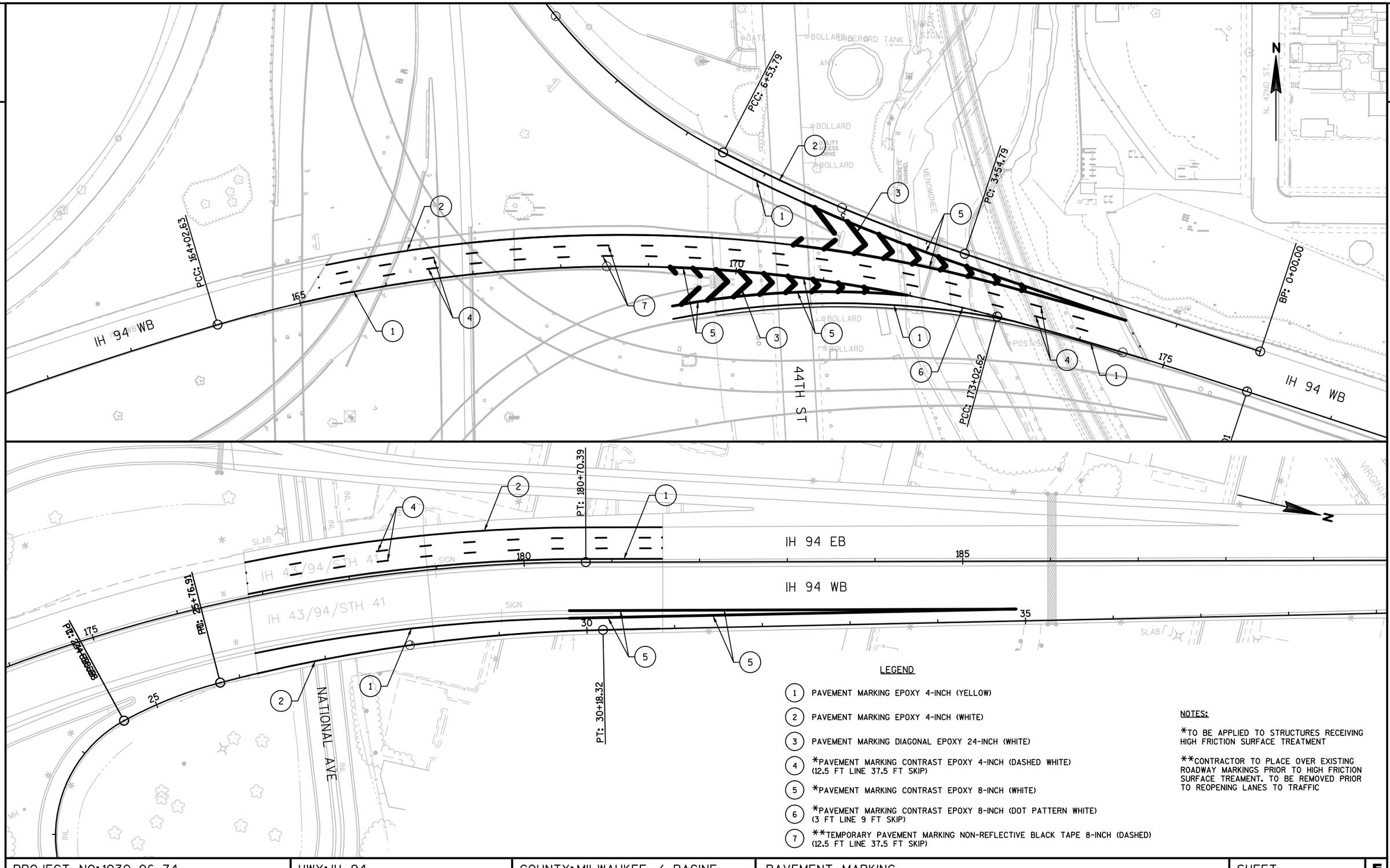
- INLET PROTECTION TYPE B
- RESIN BINDER HIGH FRICTION SURFACE TREATMENT

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	PLAN DETAILS / EROSION CONTROL	SHEET 7	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021202_PD

PLOT DATE : 1/16/2017 2:45 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
4. *PAVEMENT MARKING CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
5. *PAVEMENT MARKING CONTRAST EPOXY 8-INCH (WHITE)
6. *PAVEMENT MARKING CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
7. **TEMPORARY PAVEMENT MARKING NON-REFLECTIVE BLACK TAPE 8-INCH (DASHED) (12.5 FT LINE 37.5 FT SKIP)

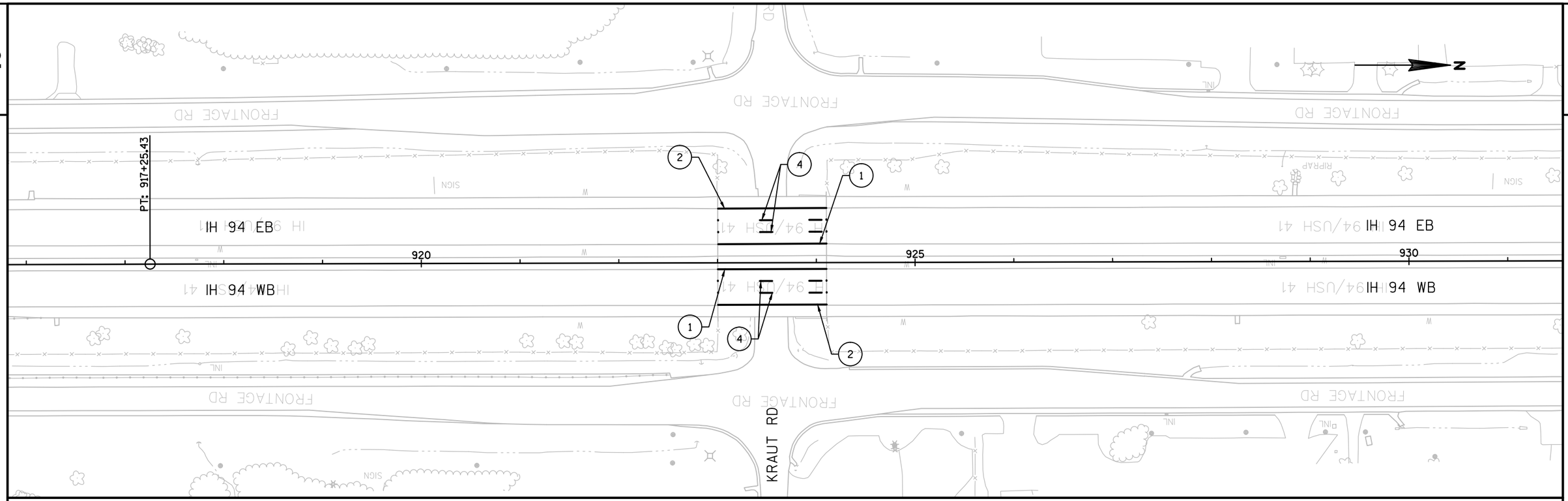
NOTES:

*TO BE APPLIED TO STRUCTURES RECEIVING HIGH FRICTION SURFACE TREATMENT

**CONTRACTOR TO PLACE OVER EXISTING ROADWAY MARKINGS PRIOR TO HIGH FRICTION SURFACE TREAMENT. TO BE REMOVED PRIOR TO REOPENING LANES TO TRAFFIC

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	PAVEMENT MARKING	SHEET 8	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024501_PM
PLOT DATE : 1/16/2017 2:46 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
4. *PAVEMENT MARKING CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
5. *PAVEMENT MARKING CONTRAST EPOXY 8-INCH (WHITE)
6. *PAVEMENT MARKING CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
7. **TEMPORARY PAVEMENT MARKING NON-REFLECTIVE BLACK TAPE 8-INCH (DASHED) (12.5 FT LINE 37.5 FT SKIP)

NOTES:

*TO BE APPLIED TO STRUCTURES RECEIVING HIGH FRICTION SURFACE TREATMENT

**CONTRACTOR TO PLACE OVER EXISTING ROADWAY MARKINGS PRIOR TO HIGH FRICTION SURFACE TREAMENT. TO BE REMOVED PRIOR TO REOPENING LANES TO TRAFFIC

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	PAVEMENT MARKING	SHEET 9	E

GENERAL NOTES FOR TRAFFIC CONTROL

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

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

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

4) FOR NIGHTTIME OPERATIONS ALL DRUMS IN TAPERS SHALL HAVE A TYPE C STEADY BURN WARNING LIGHT.

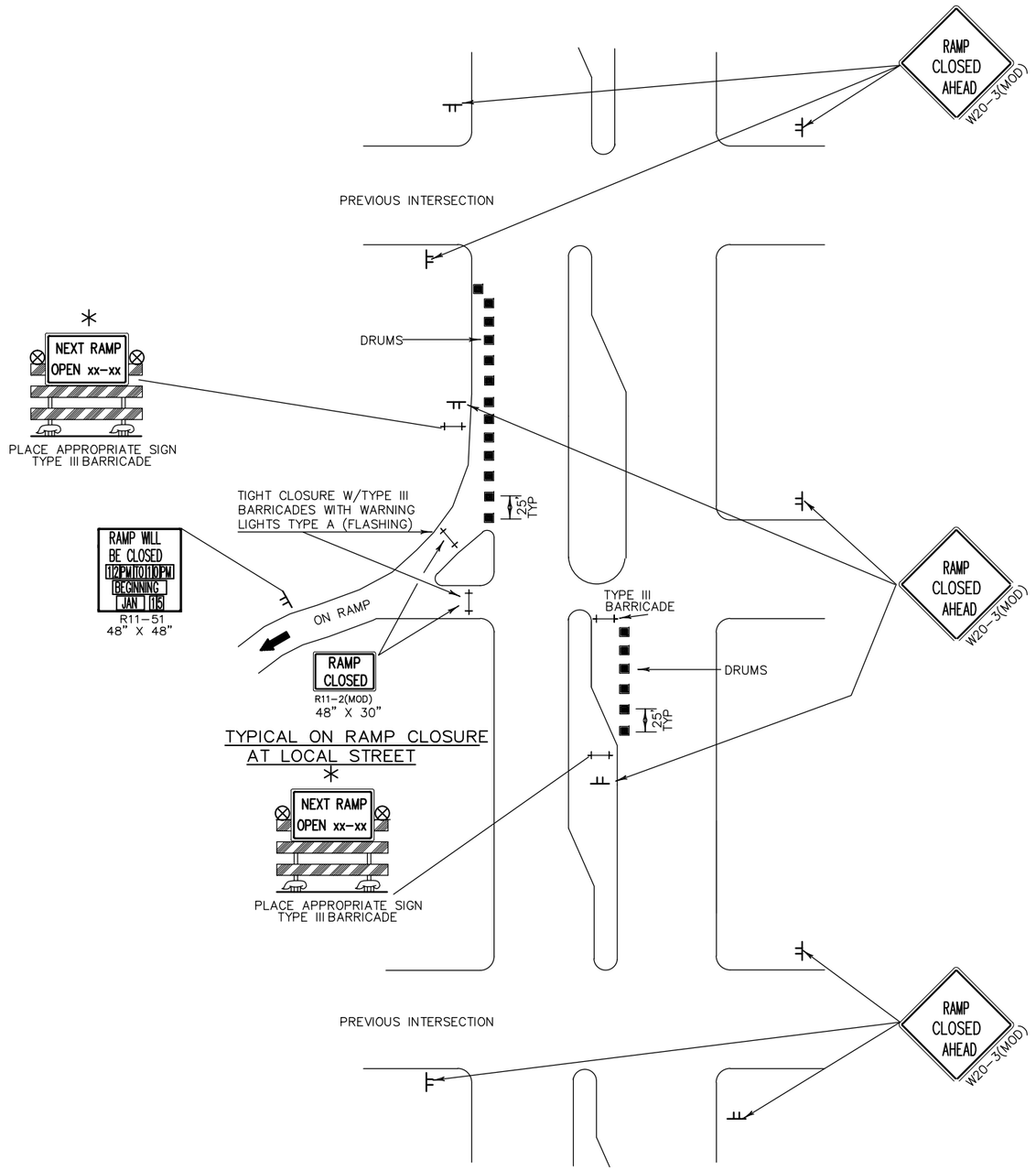
5) ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED, AND EQUIPED WITH TWO TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.

6) INSTALL PROPOSED TRAFFIC CONTROL SIGNS ON BOTH OUSIDE SHOULDER AND MEDIAN SIDE OF ALL DIVIDED ROADWAYS OR AS DIRECTED BY THE ENGINEER.

7) ALL LANE AND RAMP CLOSURES TO PERFORM CONTRACT WORK SHALL BE INCIDENTAL TO ITEM 643.0100.01.

8) FOR TWO LANE CLOSURES FOLLOW SDD "TRAFFIC CONTROL - TYPICAL TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)."

2



TRAFFIC CONTROL FOR ON-RAMP CLOSURE (SHORT TERM ONLY)

TRAFFIC CONTROL NOTES

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

* DESIGNER NOTE:

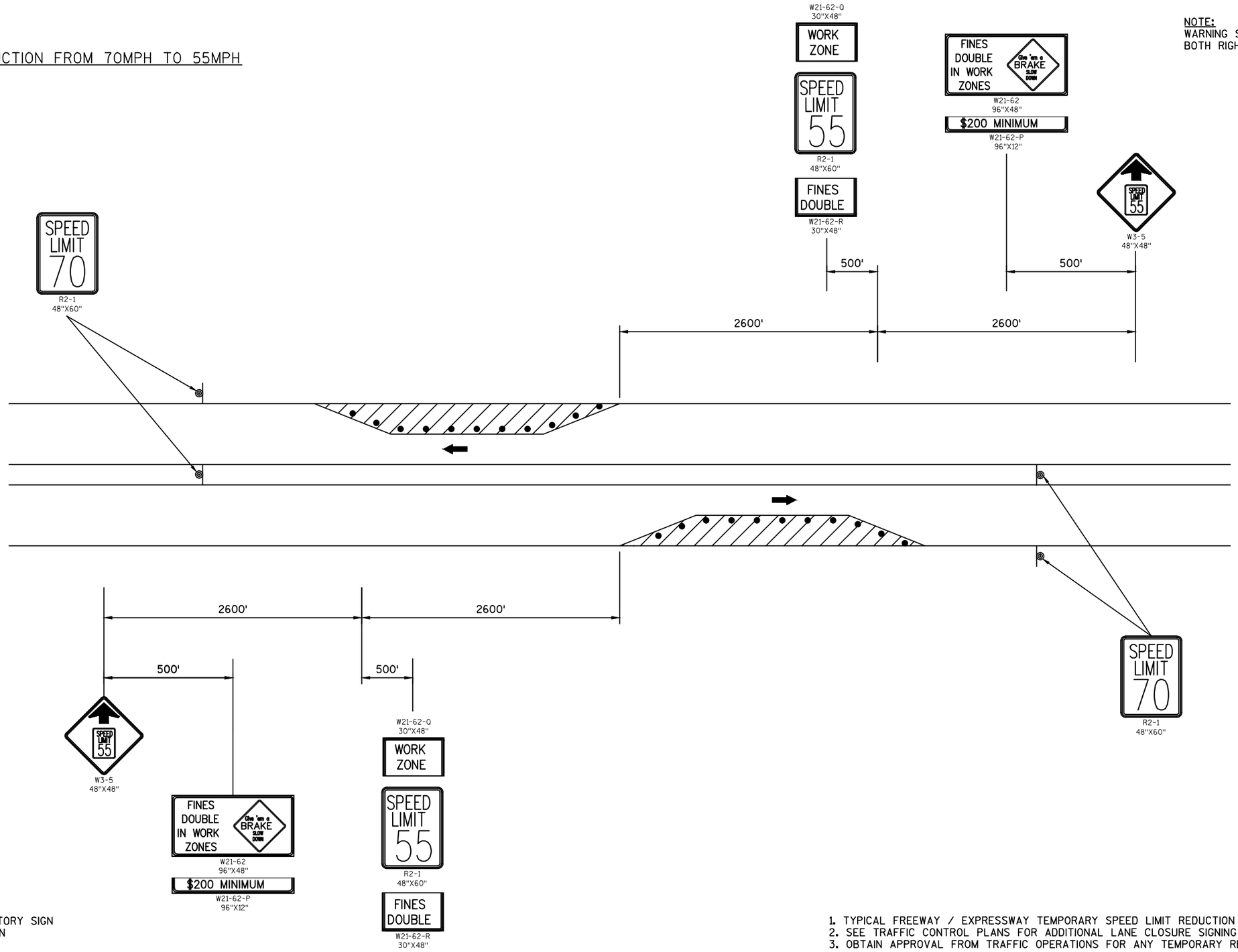
CONTACT TRAFFIC OPERATIONS FOR FIXED MESSAGE SIGN REQUIREMENTS.

LEGEND

- DRUM WITH WARNING LIGHT, TYPE C
- DRUM
- SIGN ON TEMPORARY SUPPORT FOR SHORT TERM 3 DAYS OR LESS
- TYPE III BARRICADE
- WARNING LIGHT, TYPE A (FLASHING)

PROJECT NO: 1030-06-04	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL DETAILS	SHEET 11	E

SPEED REDUCTION FROM 70MPH TO 55MPH

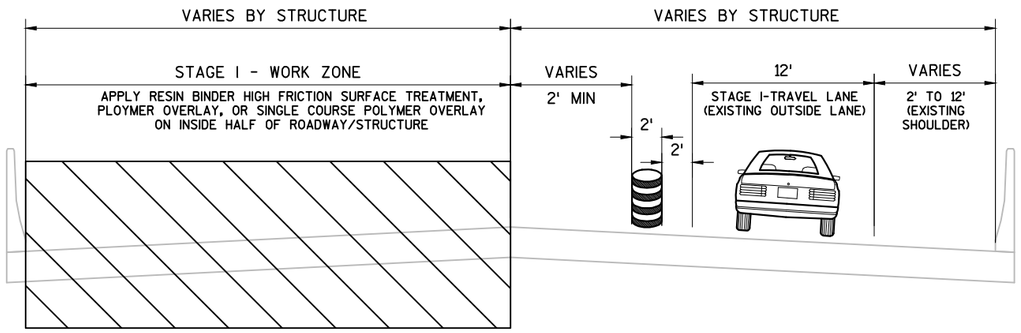


NOTE:
WARNING SIGNS & REGULATORY SIGN
BOTH RIGHT SIDE & MEDIAN

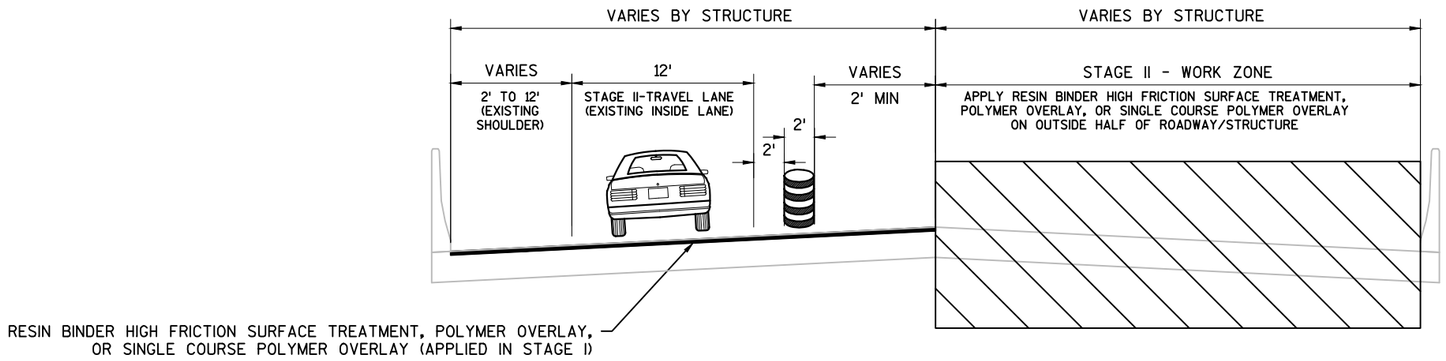
NOTE:
WARNING SIGNS & REGULATORY SIGN
BOTH RIGHT SIDE & MEDIAN

1. TYPICAL FREEWAY / EXPRESSWAY TEMPORARY SPEED LIMIT REDUCTION SIGNING
2. SEE TRAFFIC CONTROL PLANS FOR ADDITIONAL LANE CLOSURE SIGNING REQUIREMENTS
3. OBTAIN APPROVAL FROM TRAFFIC OPERATIONS FOR ANY TEMPORARY REDUCTIONS IN SPEED LIMIT

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL DETAILS - IH 94 OVER KRAUT RD	SHEET 12	E



TYPICAL SECTION STAGE I
IH 94
INSIDE LANE(S) CLOSURE

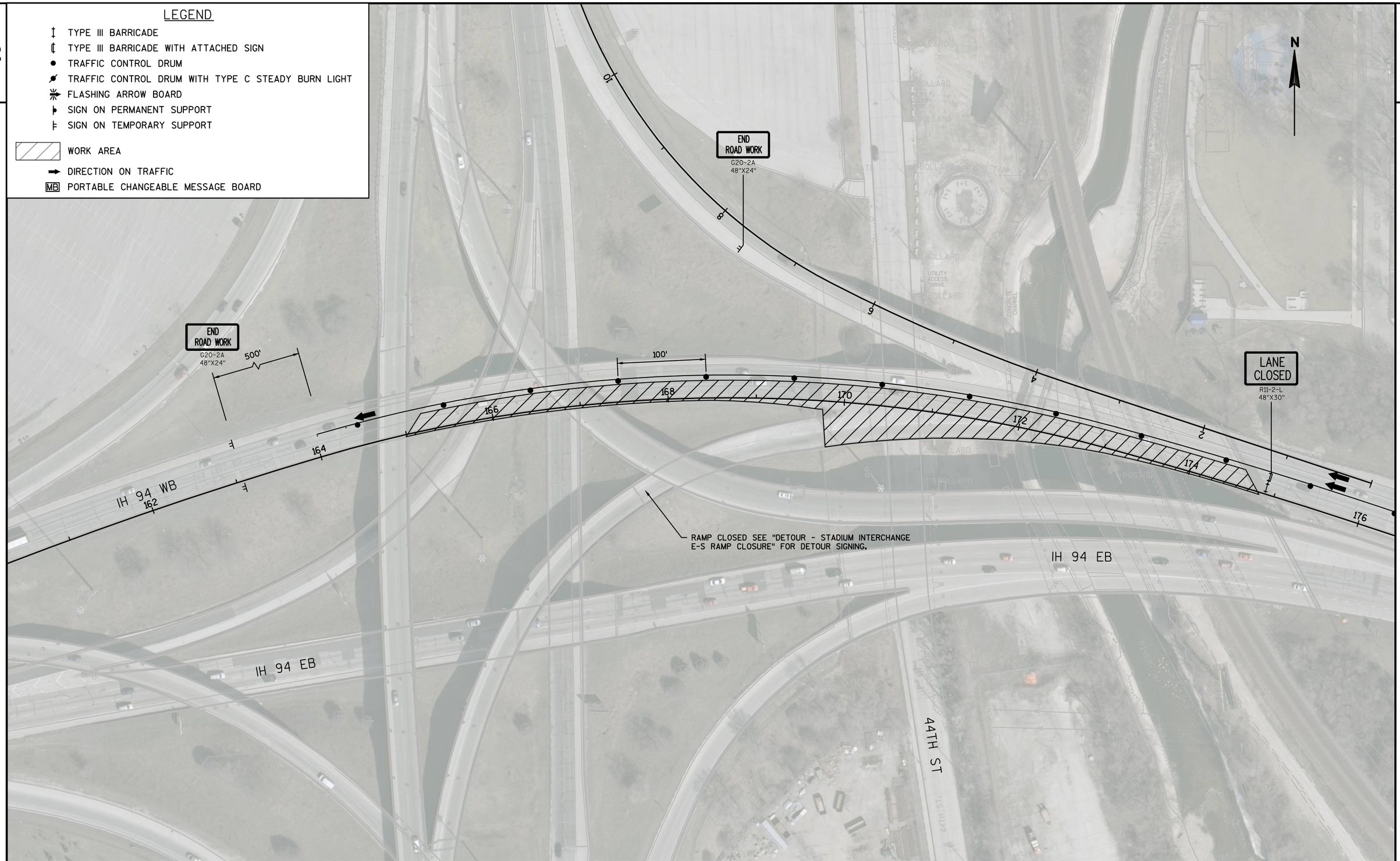


TYPICAL SECTION STAGE II
IH 94
OUTSIDE LANE(S) CLOSURE

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 14	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE I.DWG
LAYOUT NAME - 025101_S1

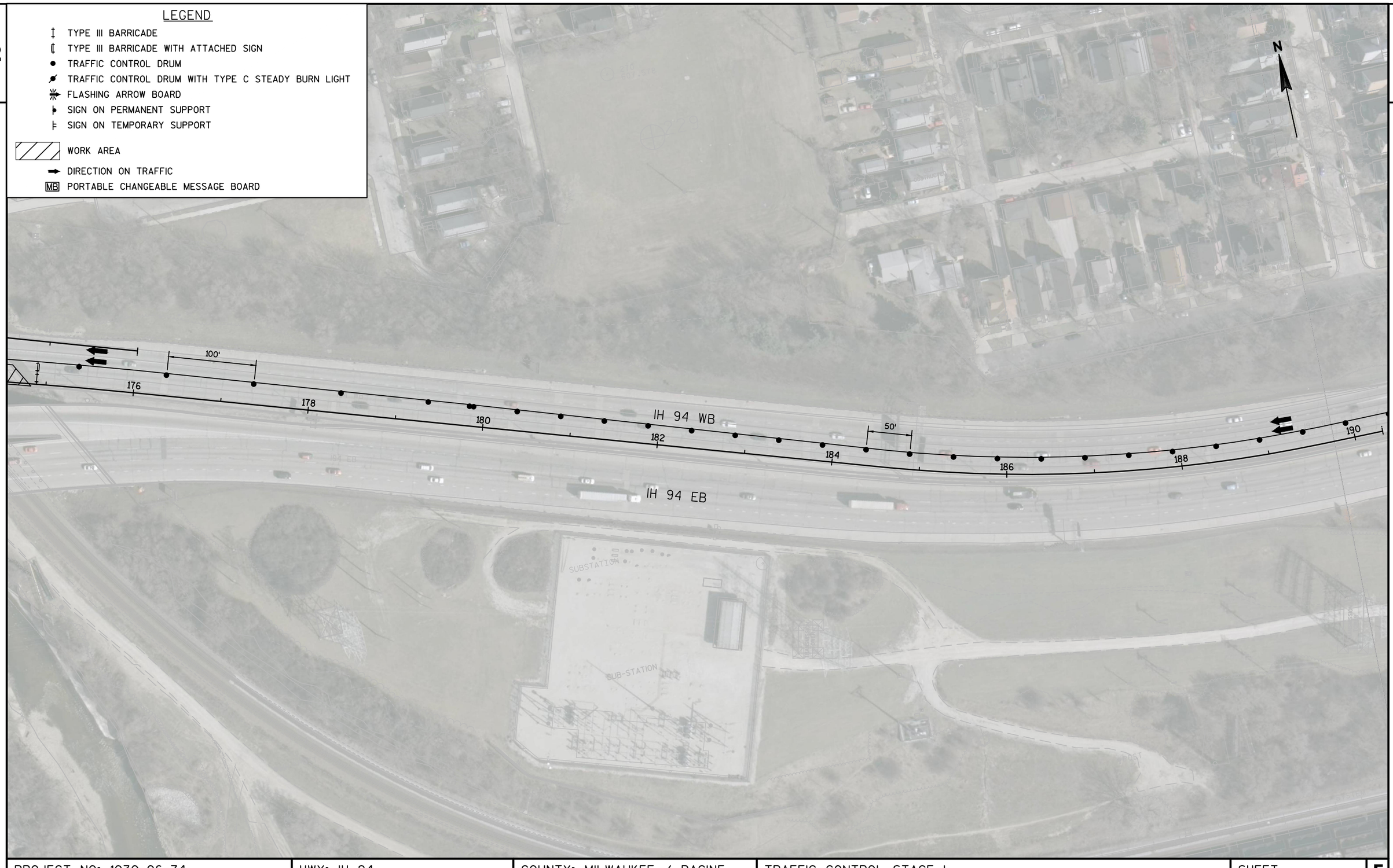
PLOT DATE : 1/16/2017 3:19 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 15	E

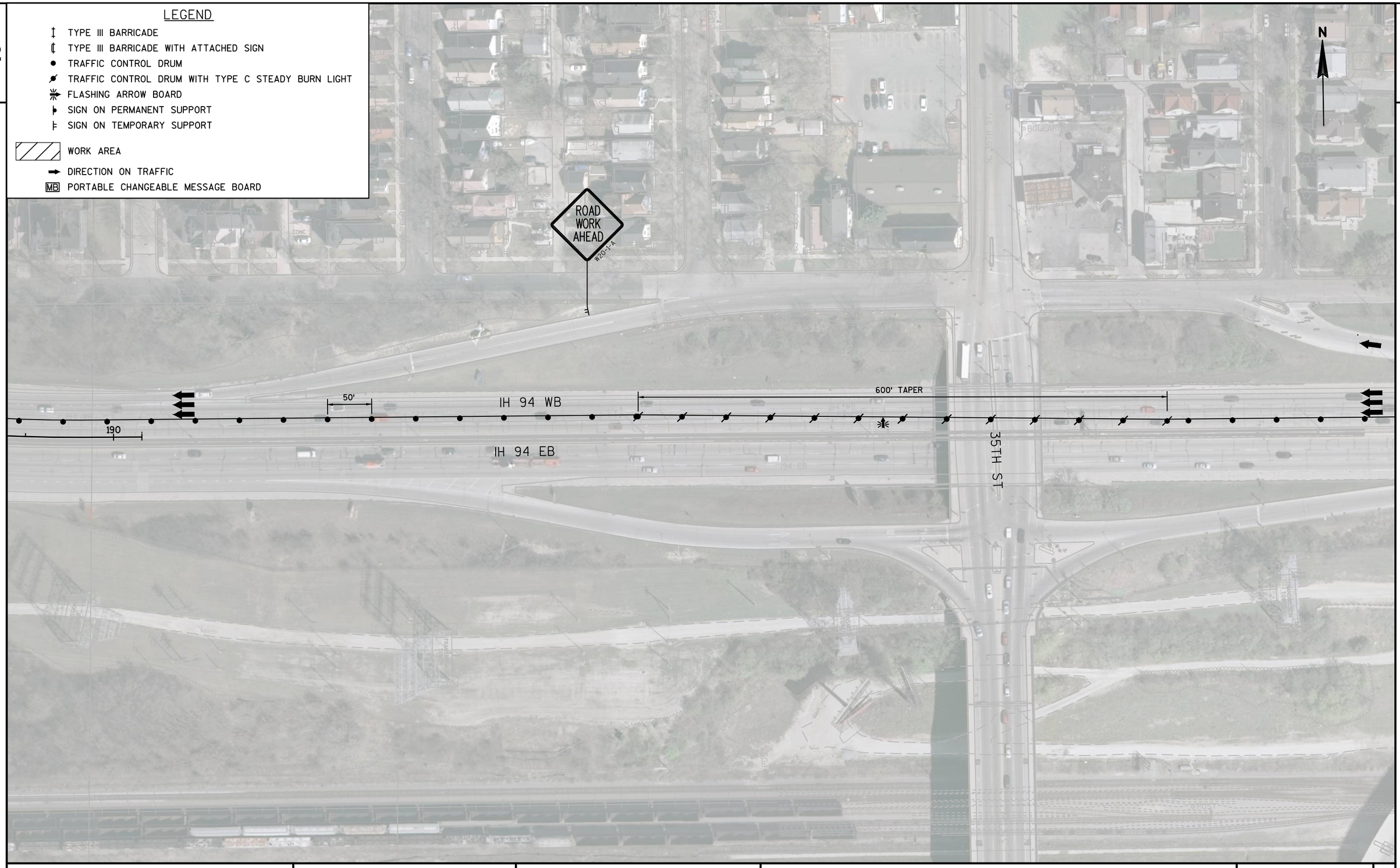
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LAYOUT NAME - 025102_S1

PLOT DATE : 1/16/2017 2:50 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 16	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE I.DWG
LAYOUT NAME - 025103_S1

PLOT DATE : 1/16/2017 2:50 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

END ROAD WORK
G20-2A
48"X24"

50'

W04-2L

32ND ST

IH 94 WB

IH 94 EB

CANAL ST

N

2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 17	E

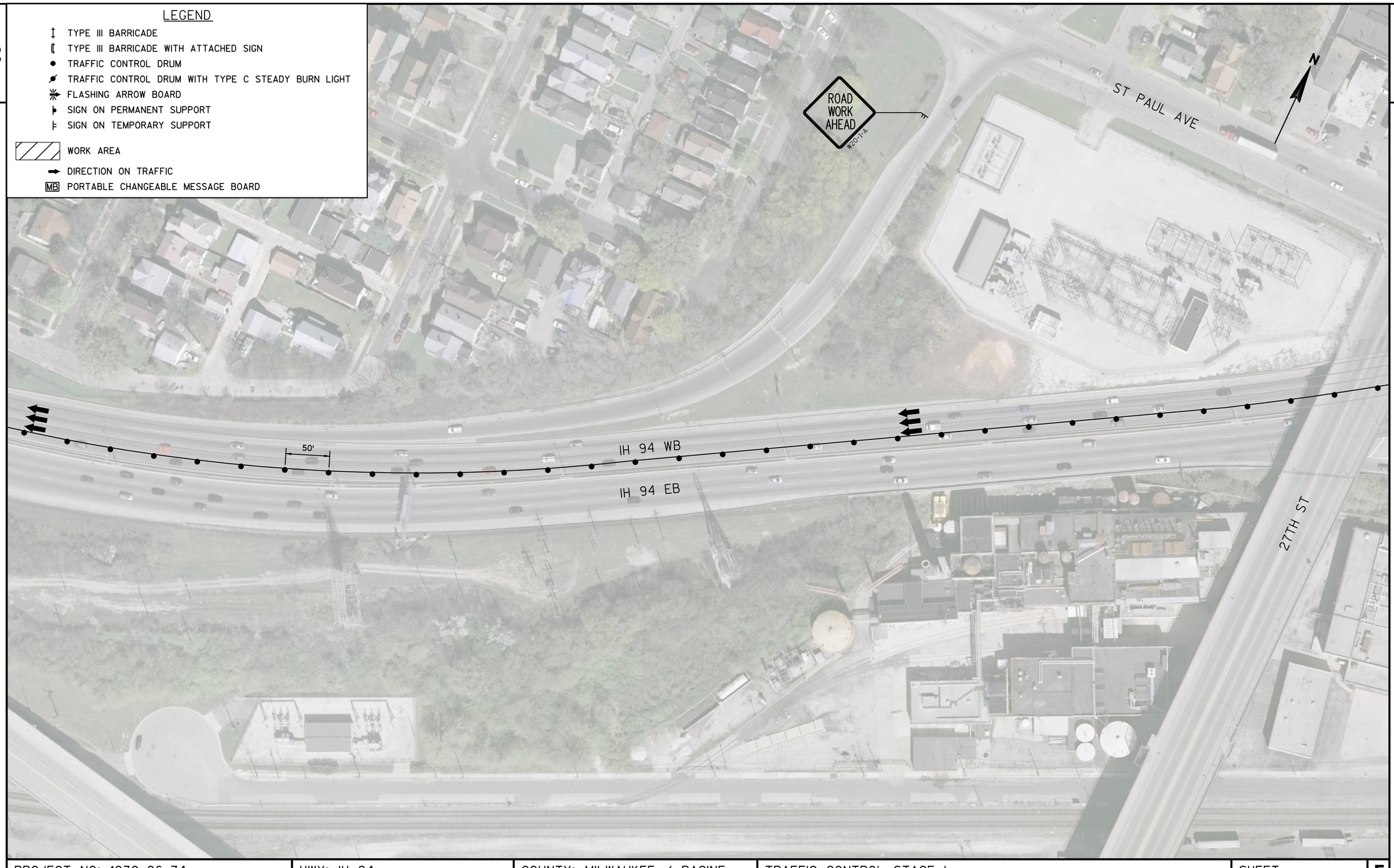
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LAYOUT NAME - 025104_S1

PLOT DATE : 1/16/2017 2:50 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 18	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE I.DWG
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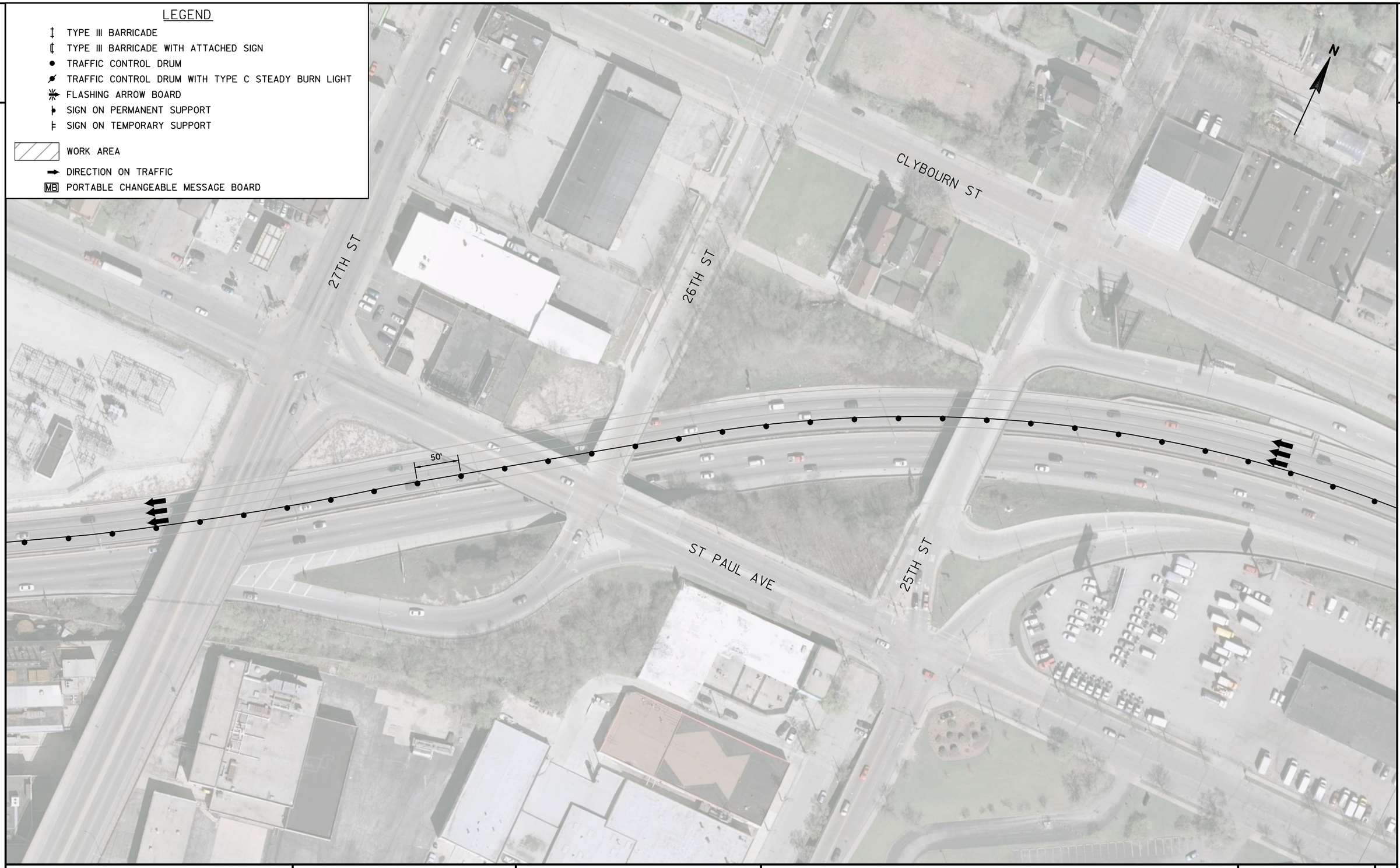
PLOT DATE : 1/16/2017 2:51 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 19	E

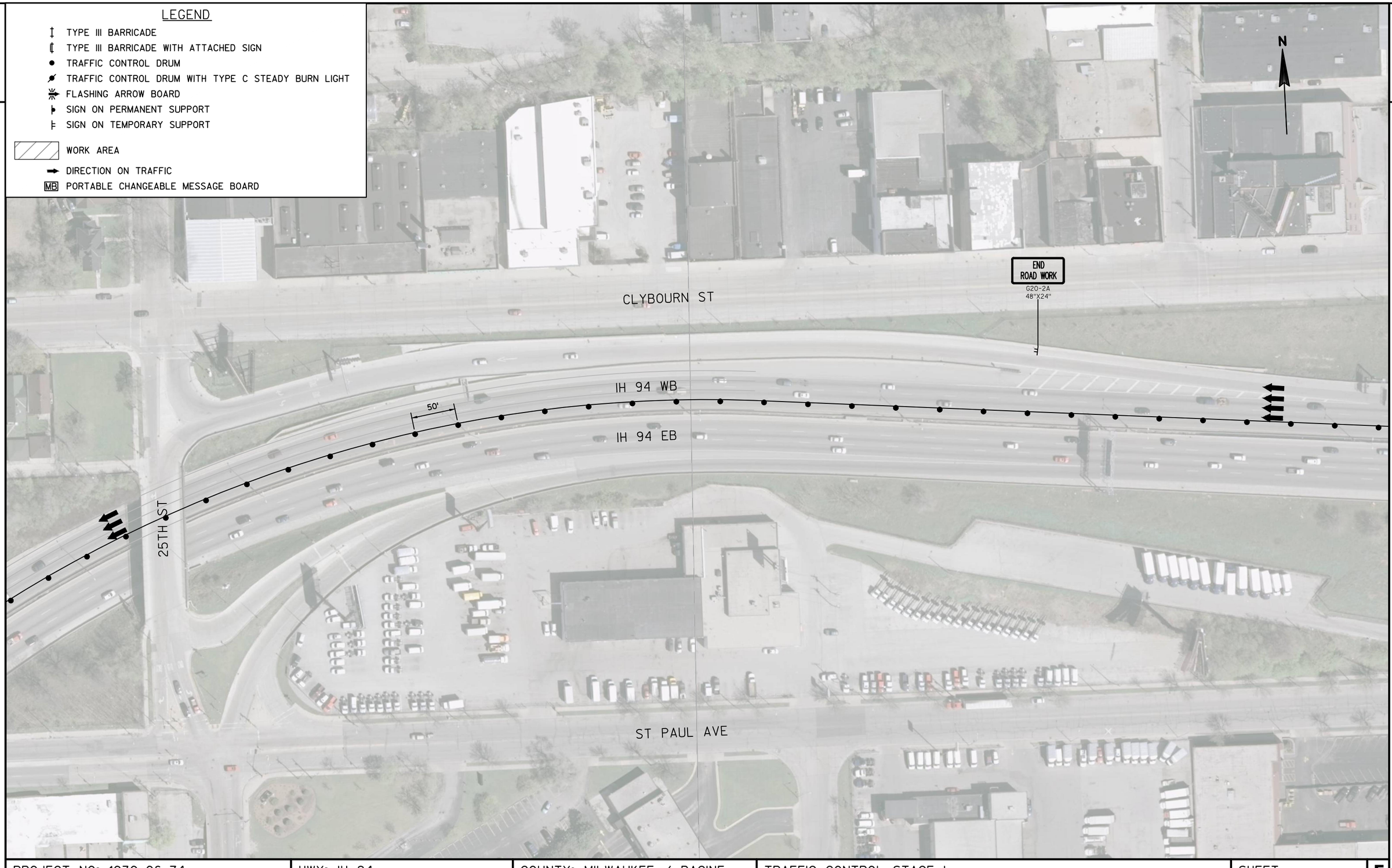
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PLOT DATE : 1/16/2017 2:51 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

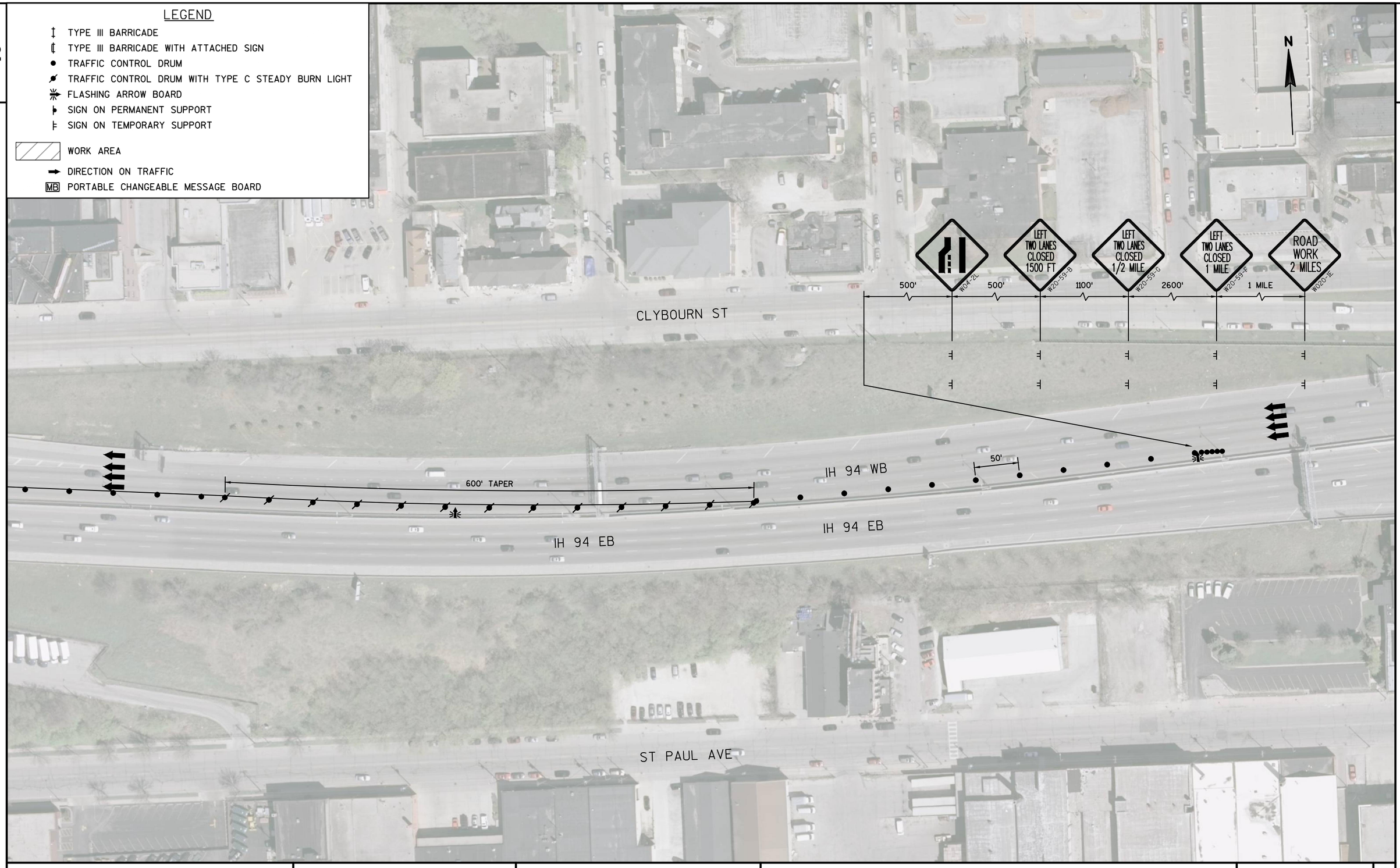
PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 20	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 21	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE I.DWG
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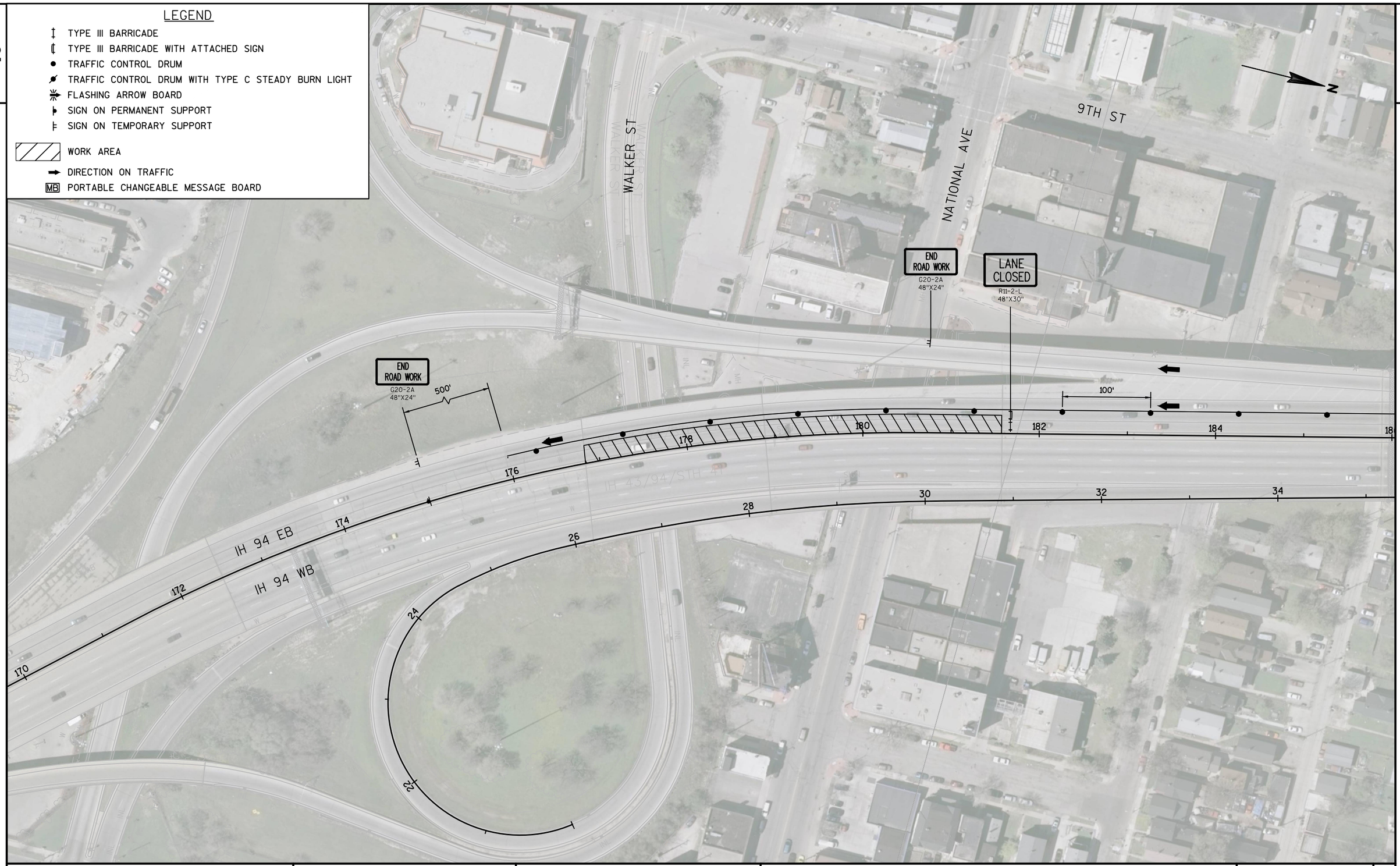
PLOT DATE : 1/16/2017 2:51 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 22	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE I.DWG
LAYOUT NAME - 025109_S1

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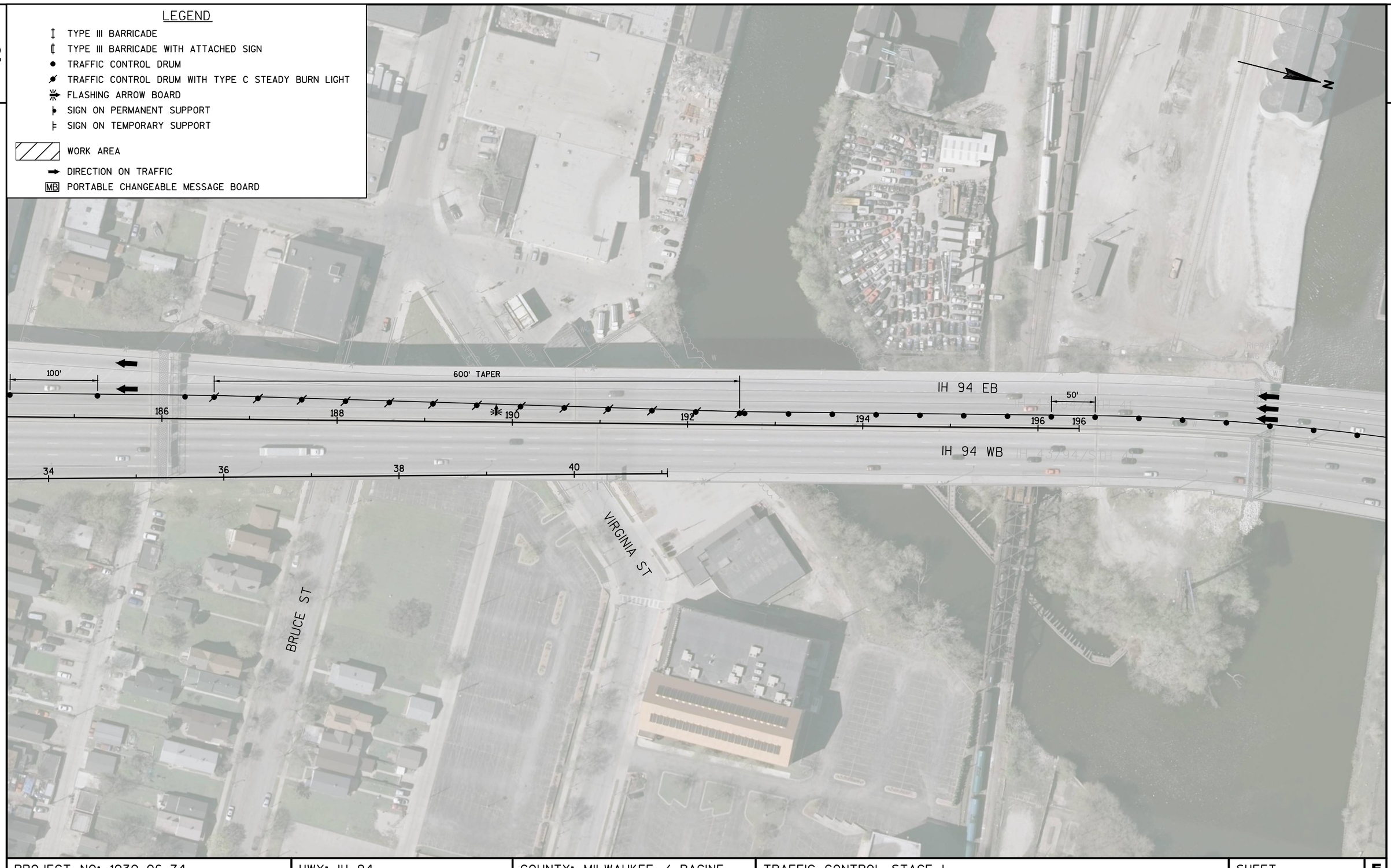
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 23	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE I.DWG
LAYOUT NAME - 025110_S1

PLOT DATE : 1/16/2017 2:51 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

W04-2L

ROAD WORK AHEAD
W20-1-A

RAMP CLOSED

50'

IH 94 EB

IH 94 WB

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 24	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE I.DWG
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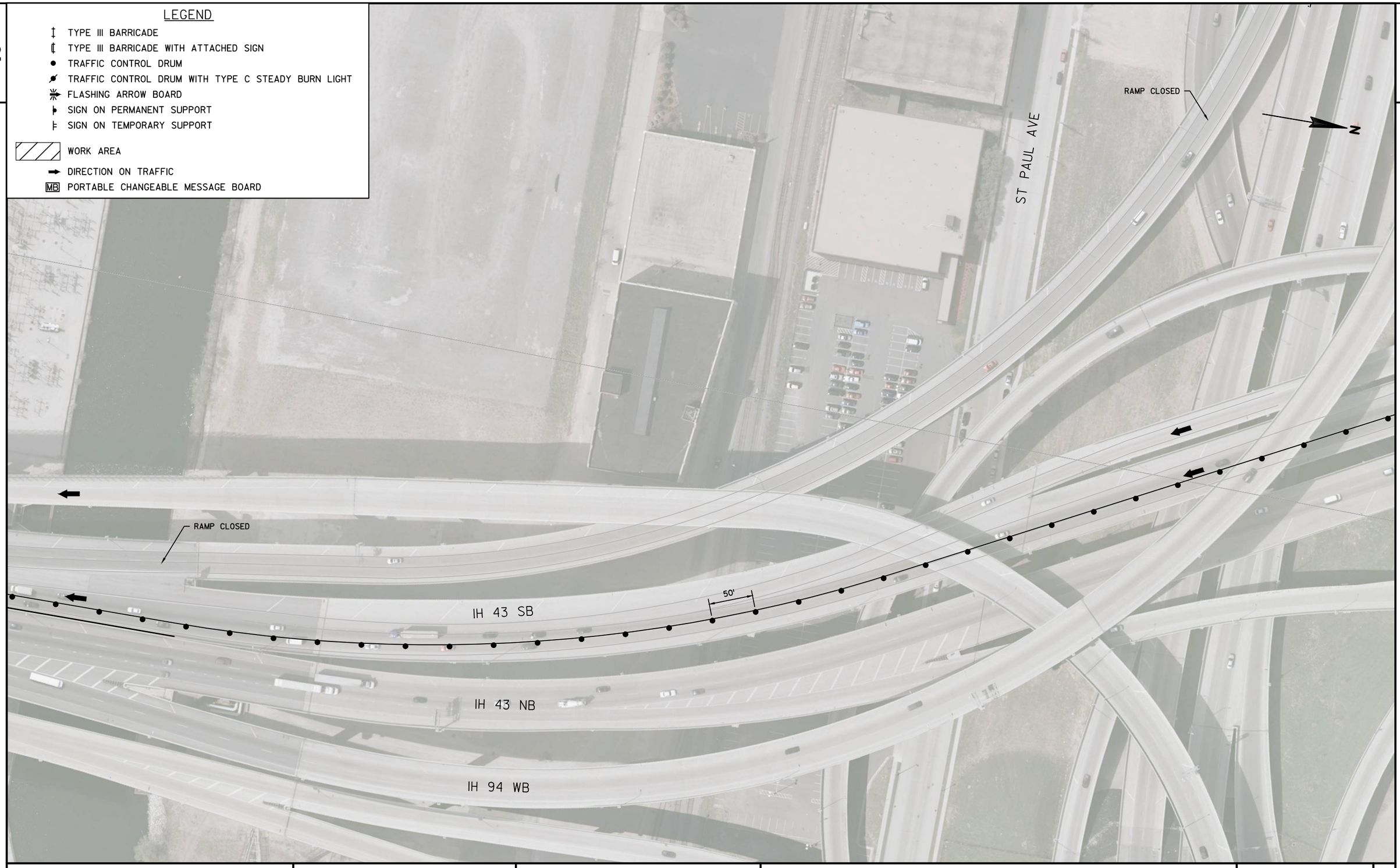
PLOT DATE : 1/16/2017 2:51 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 25	E

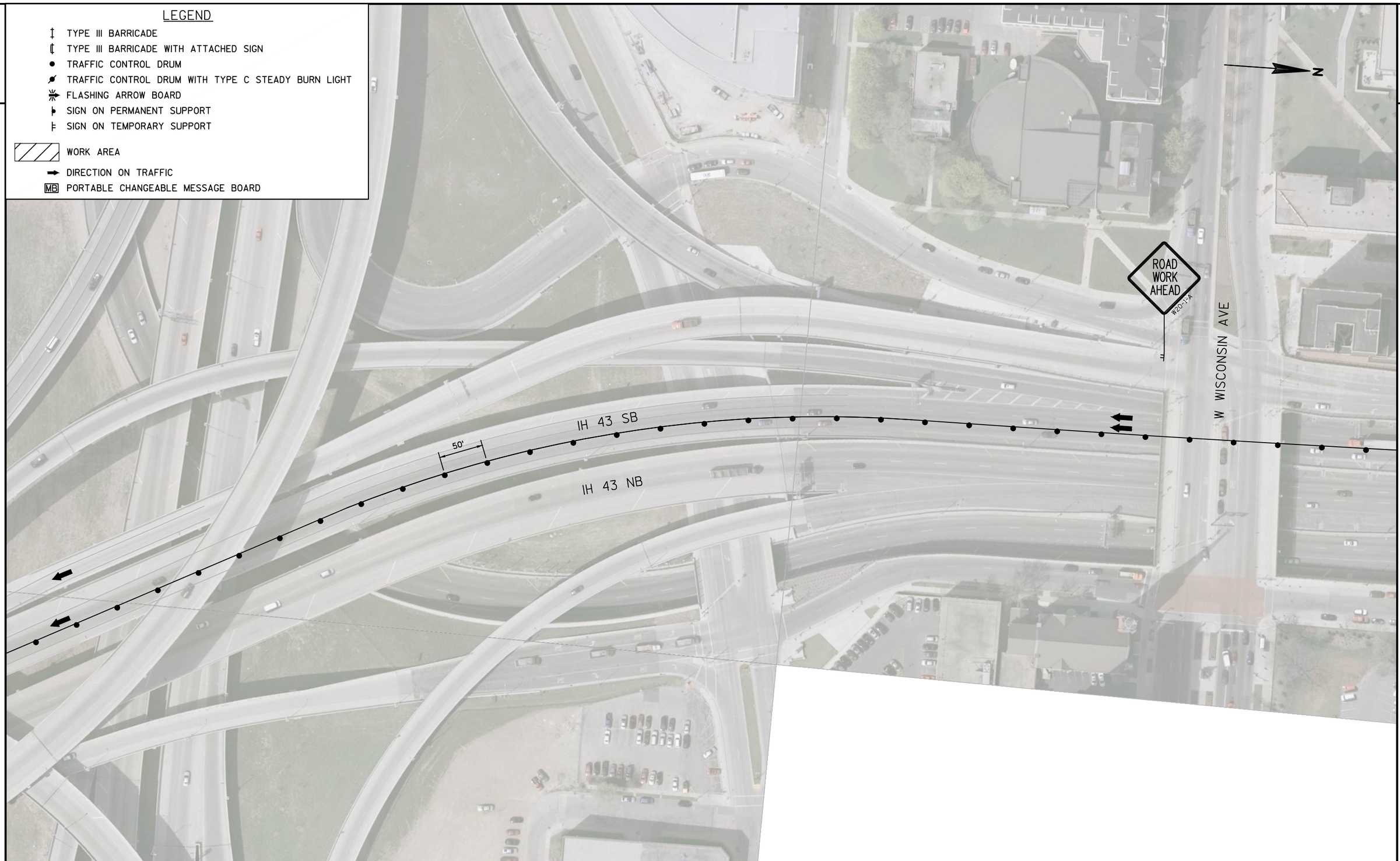
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PLOT DATE : 1/16/2017 2:51 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



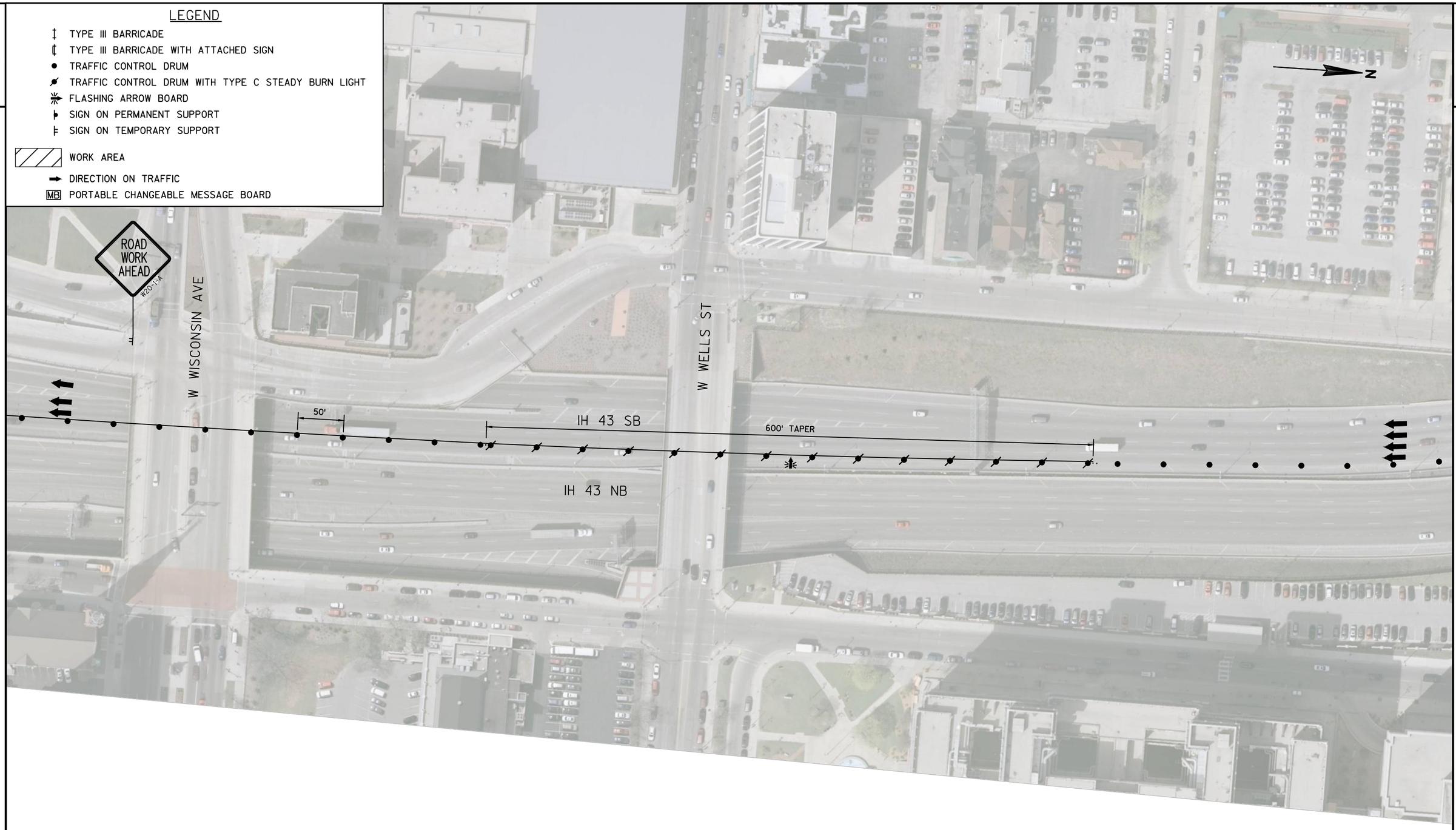
PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 26	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 27	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE I.DWG
LAYOUT NAME - 025114_S1

PLOT DATE : 1/16/2017 2:52 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 28	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE I.DWG
LAYOUT NAME - 025115_S1

PLOT DATE : 1/16/2017 2:52 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

IH 94 WB

IH 94 EB

50'

25'

RAMP CLOSED
R11-2-R
48"X30"

RAMP CLOSED
R11-2-R
48"X30"

RAMP WILL BE CLOSED (TIME) BEGINNING (DATE)
R11-51
48"X48"

RAMP CLOSED, SEE "DETOUR - MARQUETTE INTERCHANGE W-S RAMP CLOSURE" FOR DETOUR SIGNING.

13TH ST

ST PAUL AVE

2600' 200' 825' 575' 1000'

ROAD WORK 1 MILE
W20-1F

RIGHT LANE CLOSED 1/2 MILE
W20-5-G

RAMP CLOSED AHEAD
W20-53A

RIGHT LANE CLOSED 1500 FT
W20-5-B

W04-2R

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 29	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

SPRING ST

IH 94 EB

880 882 884 886 888 890 892 894

IH 94 WB

50'

660' TAPER

1 MILE 2600' 1100' 500' 500'

ROAD WORK 2 MILES W020-1E

LEFT TWO LANES CLOSED 1 MILE W20-59-F

LEFT TWO LANES CLOSED 1/2 MILE W20-59-G

LEFT TWO LANES CLOSED 1500 FT W20-59-B

W04-2L

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 30	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE I.DWG
LAYOUT NAME - 025117_S1

PLOT DATE : 1/16/2017 2:52 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

W04-2L

IH 94 EB

894 896 898 900 902 904 906 908

660' TAPER

IH 94 WB

50'

FRONTAGE RD

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 31	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE I.DWG
LAYOUT NAME - 025118_S1

PLOT DATE : 1/16/2017 2:52 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

IH 94 EB

IH 94 WB

908 910 912 914 916 918 920 922

50'

660' TAPER

100'

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 32	E

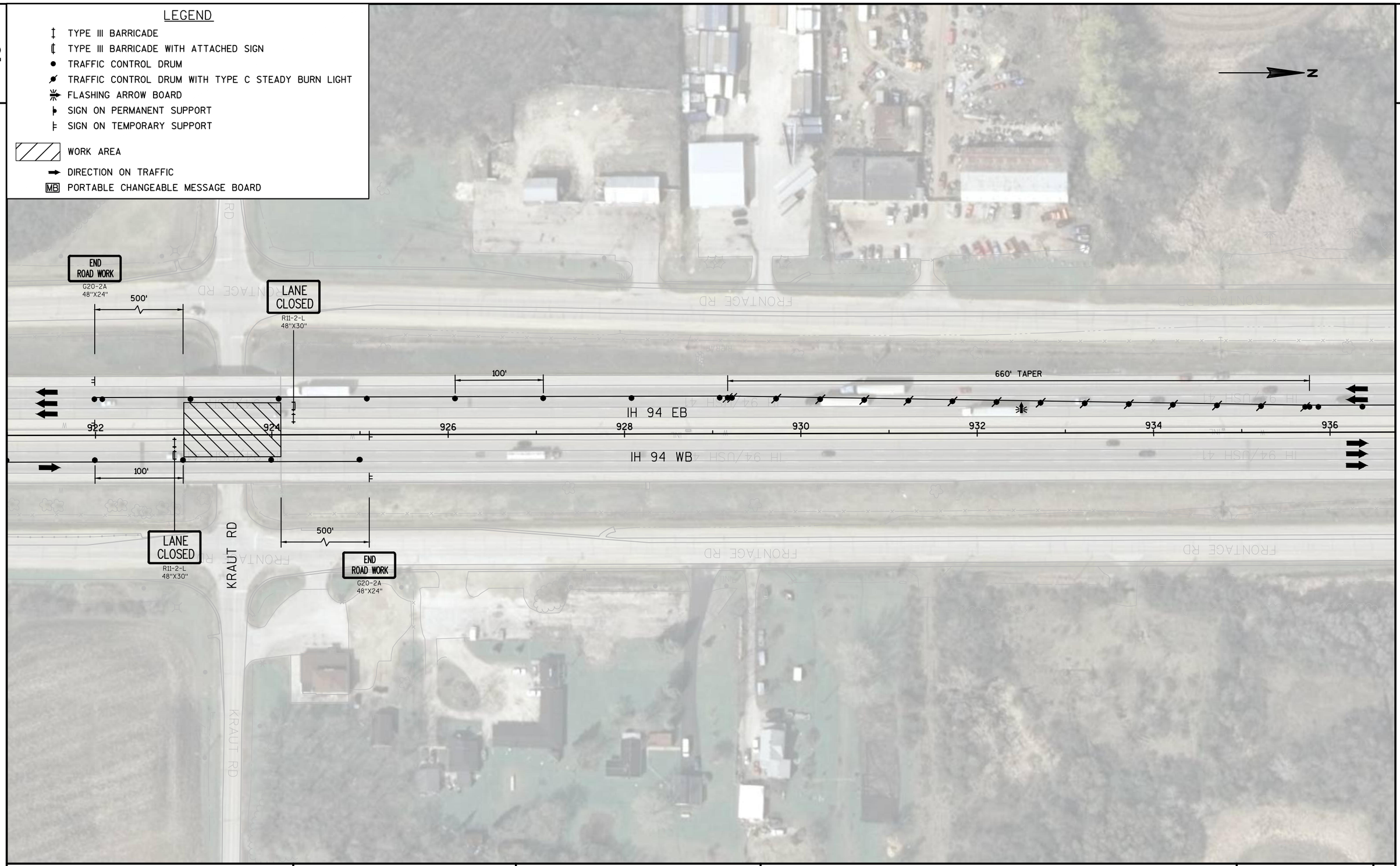
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LAYOUT NAME - 025119_S1

PLOT DATE : 1/16/2017 2:53 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 33	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE I.DWG
LAYOUT NAME - 025120_S1

PLOT DATE : 1/16/2017 2:53 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

W04-2L

50'

660' TAPER

IH 94 EB

936 938 940 942 944 946 948 950

IH 94 WB

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 34	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE I.DWG
LAYOUT NAME - 025121_S1

PLOT DATE : 1/16/2017 2:53 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N



660' TAPER

950 952 954 956 958 960 962 964

50'

IH 94 EB

IH 94 WB

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE I	SHEET 35	E

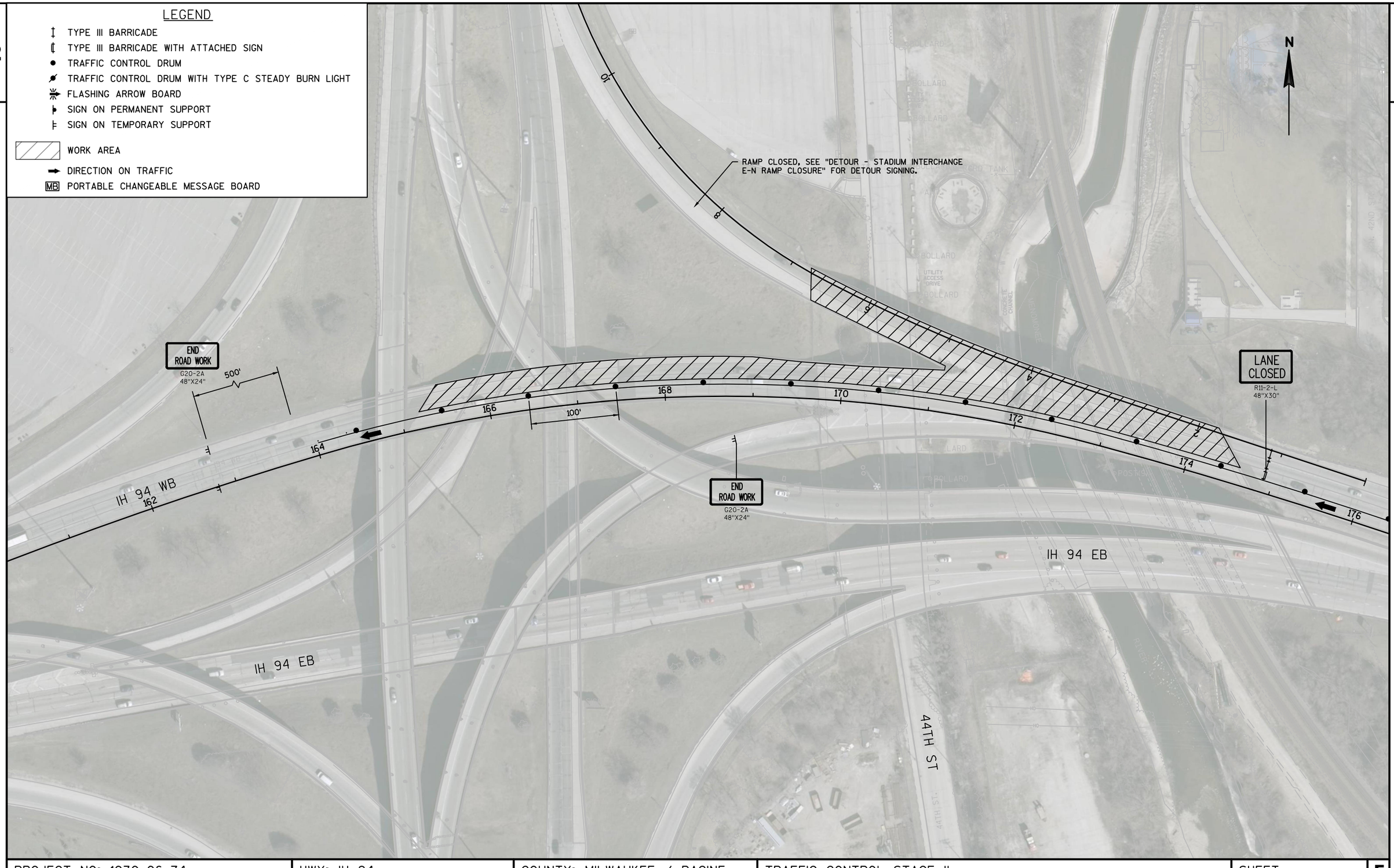
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LAYOUT NAME - 025122_S1

PLOT DATE : 1/16/2017 2:54 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 36	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025201_S2

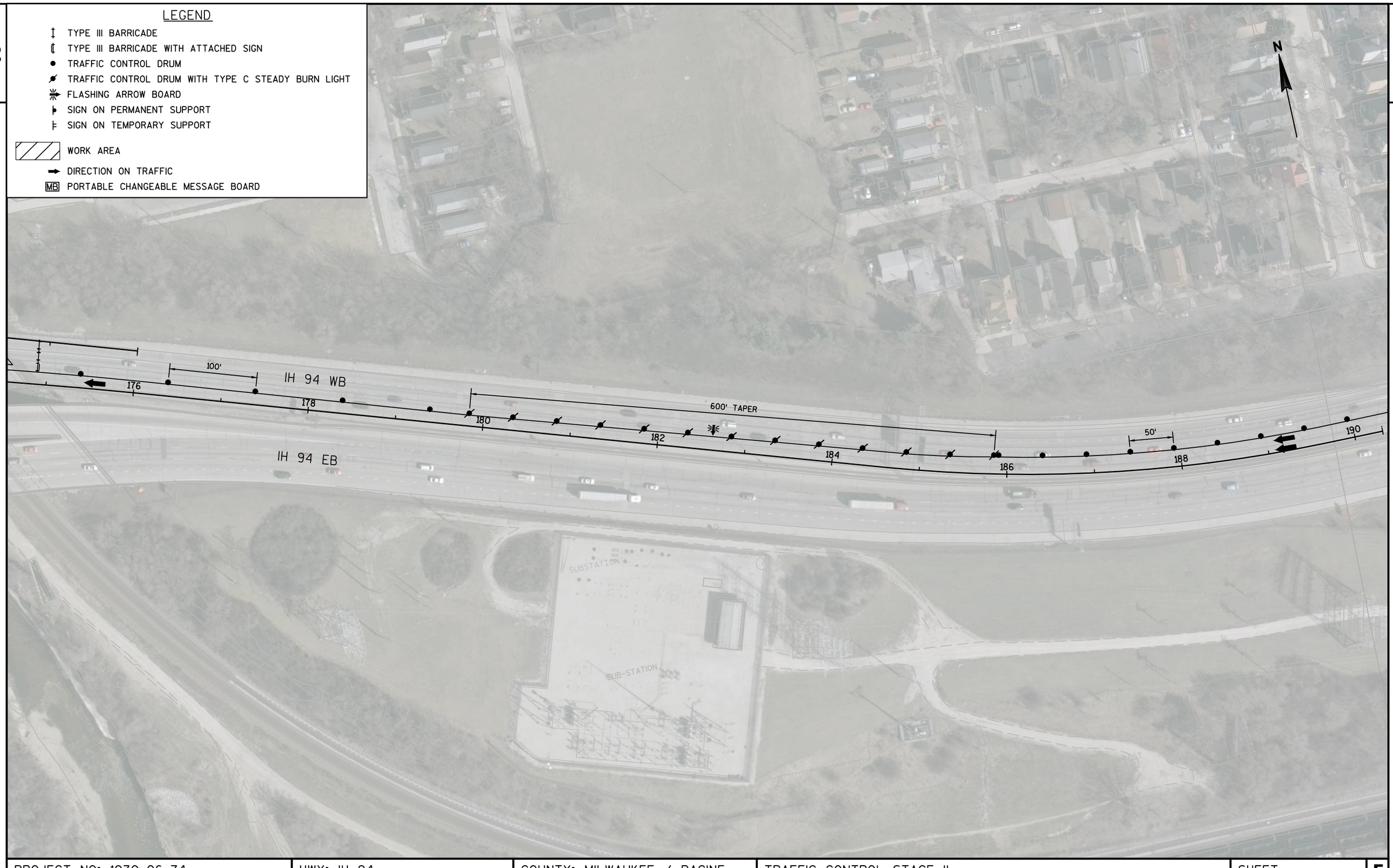
PLOT DATE : 1/16/2017 2:55 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 37	E

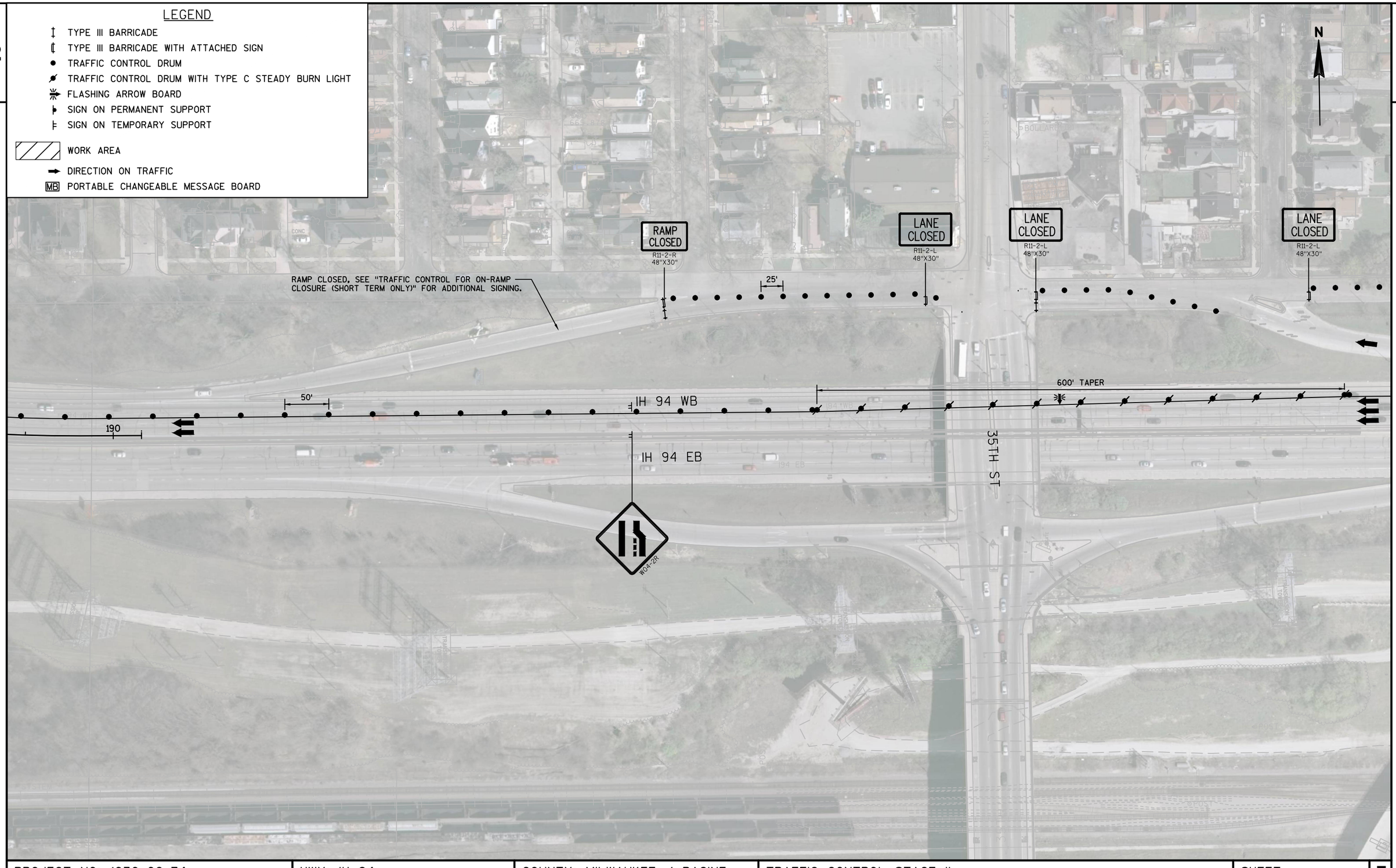
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LAYOUT NAME - 025202_S2

PLOT DATE : 1/16/2017 2:55 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 38	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025203_S2

PLOT DATE : 1/16/2017 2:55 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

35TH ST ON-RAMP CLOSED, SEE "TRAFFIC CONTROL FOR ON-RAMP CLOSURE (SHORT TERM ONLY)" FOR ADDITIONAL SIGNING.

25'

MB

EXIT

E5-1
72"X60"

25'

50'

32ND ST

50'

IH 94 WB

IH 94 EB

CANAL ST

N

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 39	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025204_S2

PLOT DATE : 1/16/2017 2:56 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 40	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025205_S2

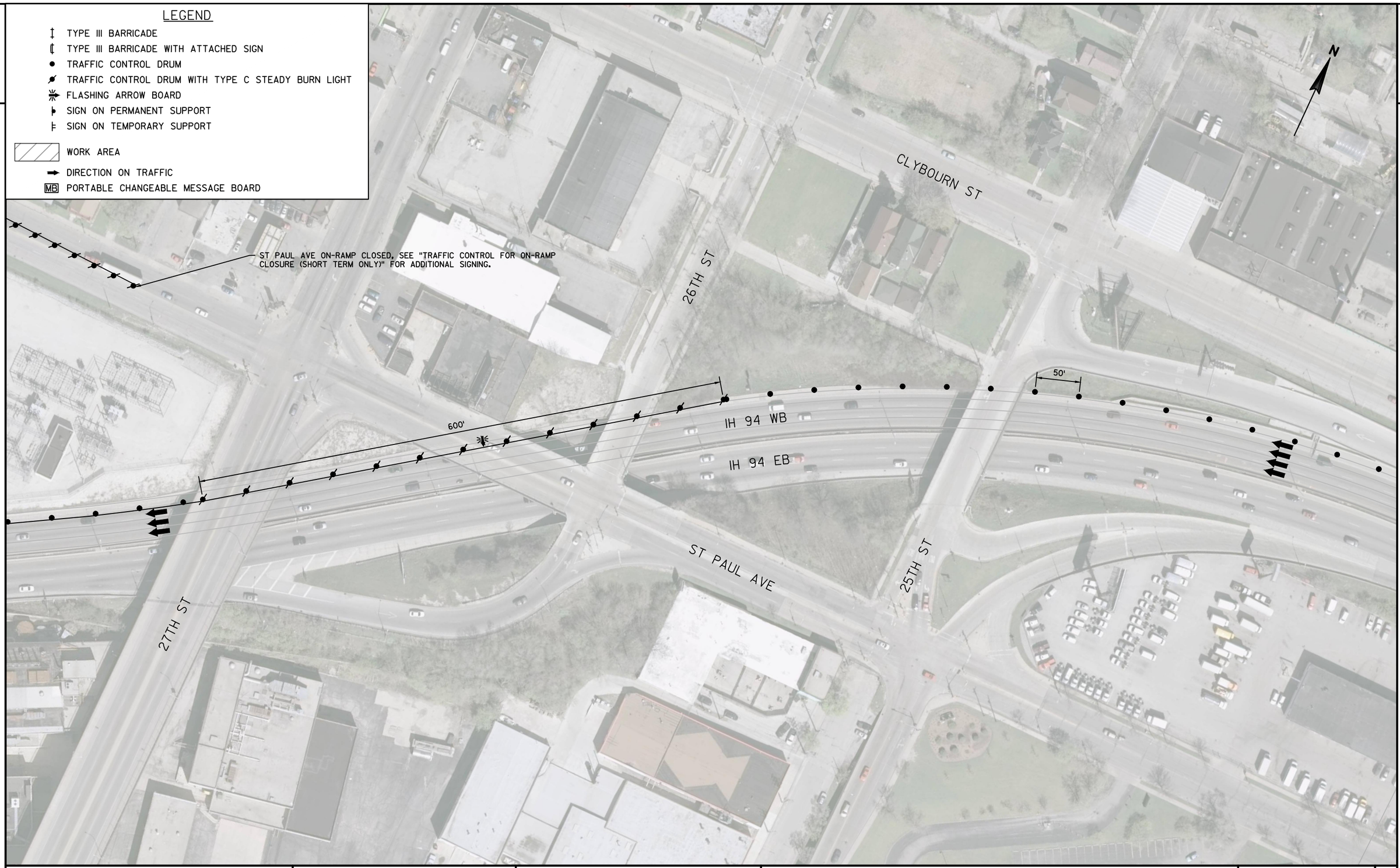
PLOT DATE : 1/16/2017 2:56 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 41	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025206_S2

PLOT DATE : 1/16/2017 2:56 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

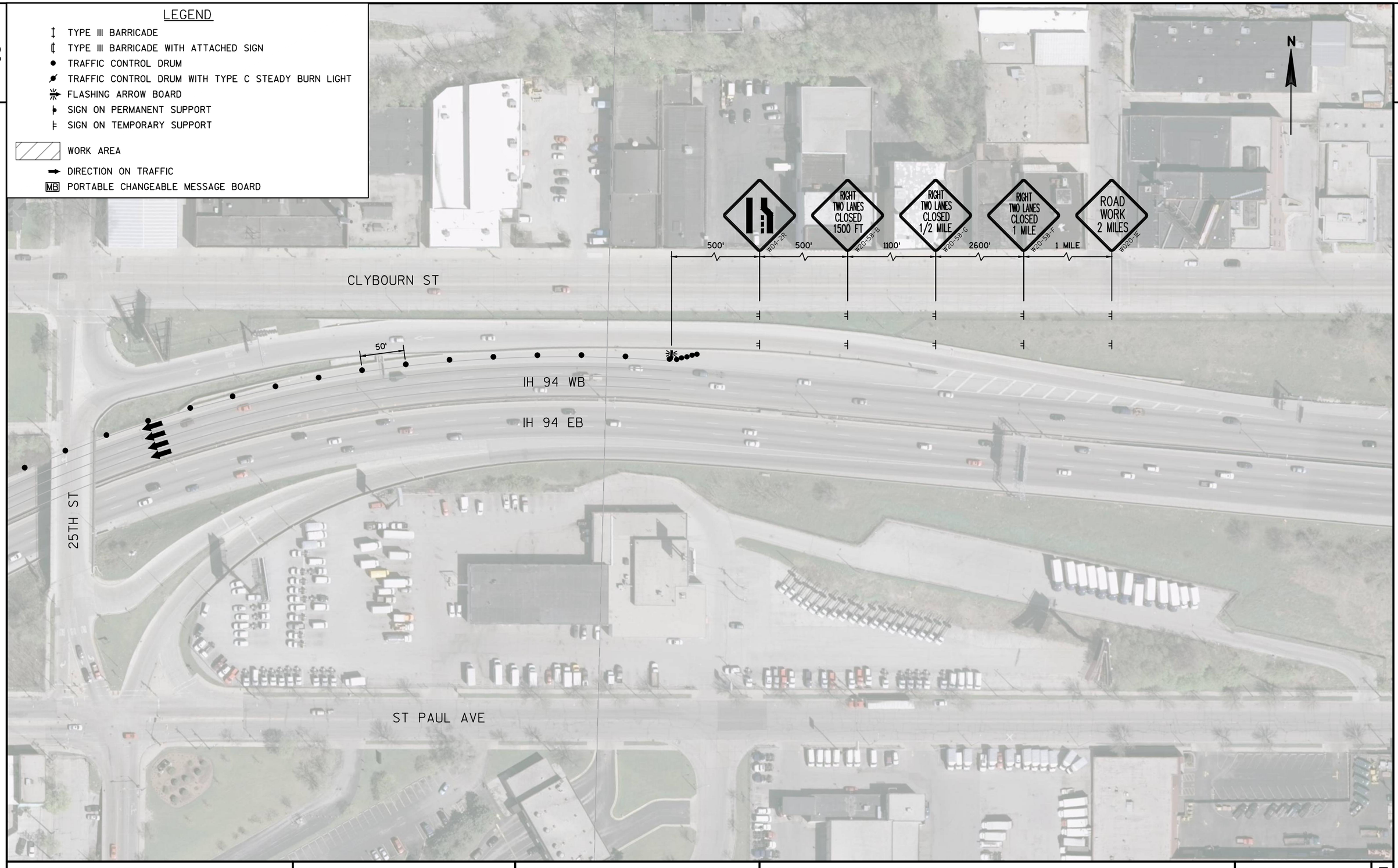
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 42	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

W LAPHAM BLVD

S 5TH ST

IH 94 EB

IH 94 WB

W GREENFIELD AVE

S 4TH ST

W4-1R

ROAD WORK AHEAD W20-1-A

ROAD WORK AHEAD W20-1-A

W3-2

ROAD WORK AHEAD W20-1-A

1500'

158

50'

YIELD R1-2 48"X42"

SEE SDD "TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE" FOR ADDITIONAL SIGNING.

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 43	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
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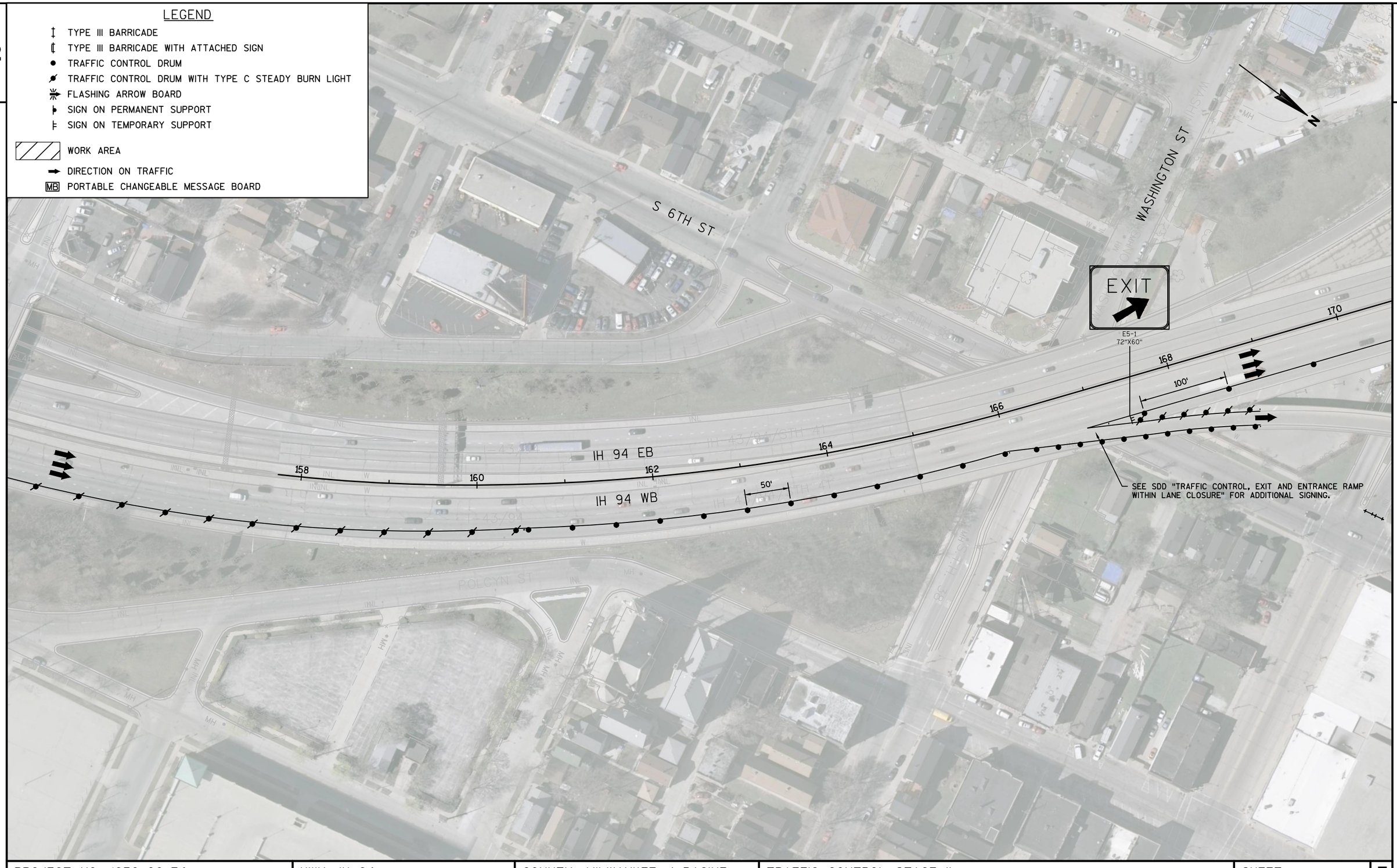
PLOT DATE : 1/16/2017 2:56 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 44	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025209_S2

PLOT DATE : 1/16/2017 2:56 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

WALKER ST

NATIONAL AVE

9TH ST

RAMP CLOSED, SEE "TRAFFIC CONTROL FOR ON-RAMP CLOSURE (SHORT TERM ONLY)" FOR ADDITIONAL SIGNING.

LANE CLOSED
R11-2-L
48"X30"

RAMP CLOSED

END ROAD WORK
G20-2A
48"X24"

500'

100'

IH 94 EB

IH 94 WB

IH 43/94/STH 32

170 172 174 176 178 180 182 184 186 22 24 26 28 30 32 34

LANE CLOSED
R11-2-L
48"X30"

RAMP CLOSED, SEE "TRAFFIC CONTROL FOR ON-RAMP CLOSURE (SHORT TERM ONLY)" FOR ADDITIONAL SIGNING.

END ROAD WORK
G20-2A
48"X24"

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 45	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025210_S2

PLOT DATE : 1/16/2017 2:56 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

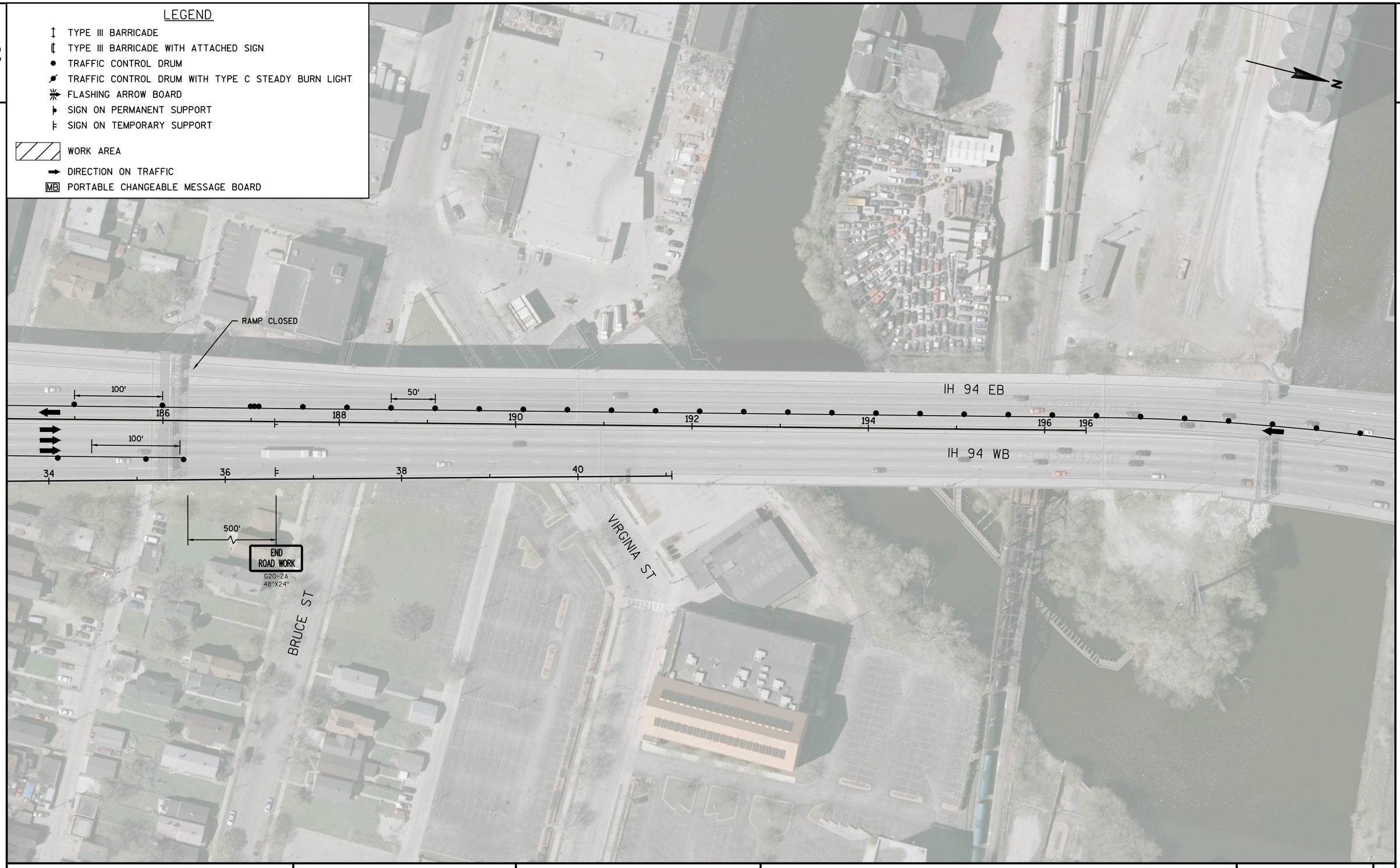
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 46	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025211_S2

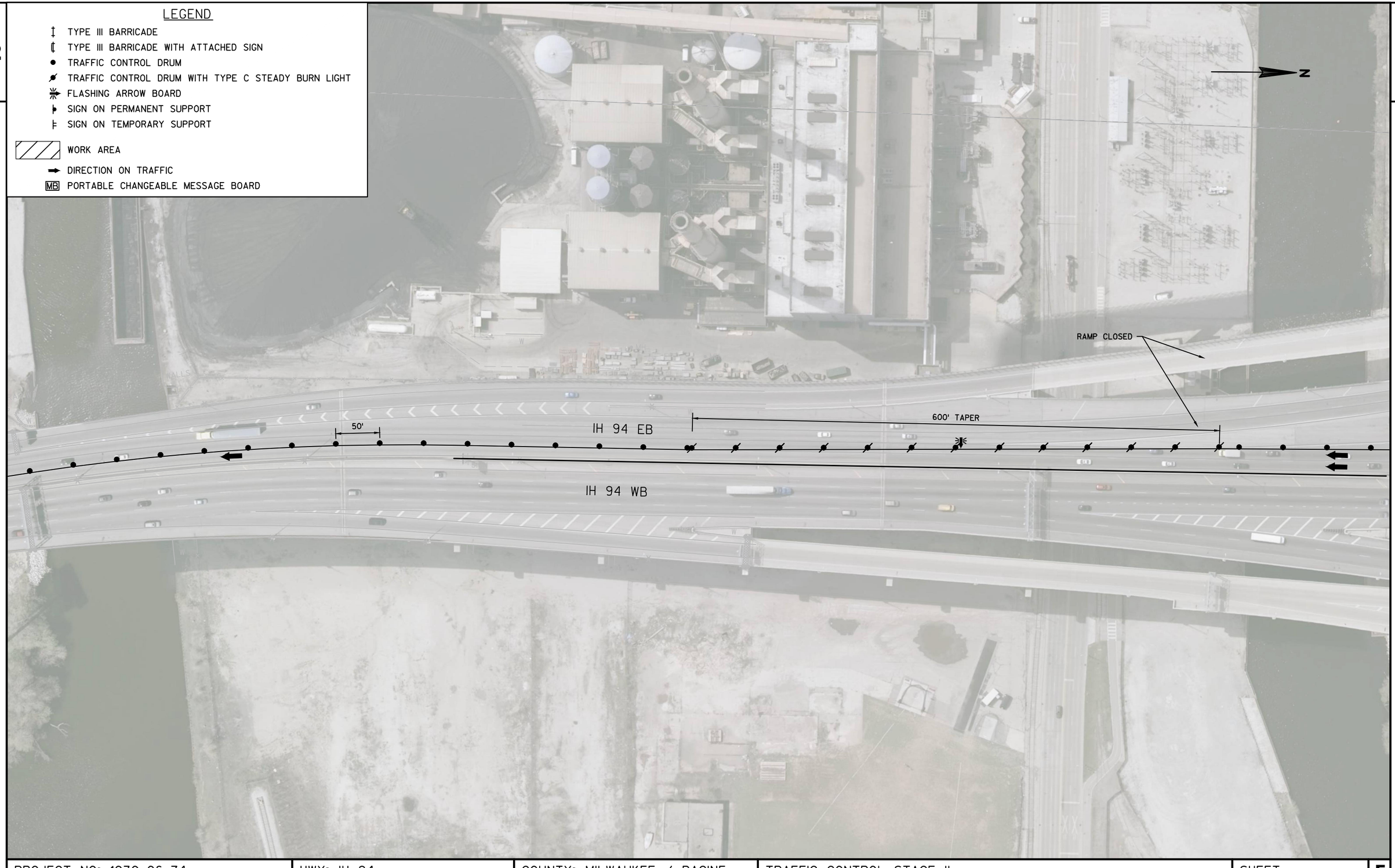
PLOT DATE : 1/16/2017 2:57 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 47	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

ST PAUL AVE

N

W4-2R

RIGHT LANE CLOSED 1500 FT W20-5-B

RIGHT LANE CLOSED 1/2 MILE W20-5-G

ROAD WORK 1 MILE W20-1-F

1000' 575' 1025' 2600'

RAMP CLOSED

RAMP CLOSED

50'

IH 43 SB

IH 43 NB

IH 94 WB

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 48	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

RAMP CLOSED, SEE "TRAFFIC CONTROL FOR ON-RAMP CLOSURE (SHORT TERM ONLY)" FOR ADDITIONAL SIGNING.

RAMP CLOSED
R11-2-R
48"X30"

IH 43 SB

IH 43 NB

W WISCONSIN AVE

LEFT LANE MUST TURN LEFT
R3-7-L
30"X30"

ROAD WORK AHEAD
W20-1-A

100'

100'

25'

2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 49	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025214_S2

PLOT DATE : 1/16/2017 2:57 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

IH 94 WB

IH 94 EB

50'

25'

RAMP CLOSED
R11-2-R
48"X30"

RAMP CLOSED
R11-2-R
48"X30"

RAMP WILL BE CLOSED (TIME) BEGINNING (DATE)
R11-51
48"X48"

RAMP CLOSED. SEE "DETOUR - MARQUETTE INTERCHANGE W-S RAMP CLOSURE" FOR DETOUR SIGNING.

13TH ST

ST PAUL AVE

2600' 200' 825' 575' 1000'

ROAD WORK 1 MILE
W20-1-F

RIGHT LANE CLOSED 1/2 MILE
W20-5-G

RAMP CLOSED AHEAD
W20-53A

RIGHT LANE CLOSED 1500 FT
W20-5-B

W04-2R

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 50	E

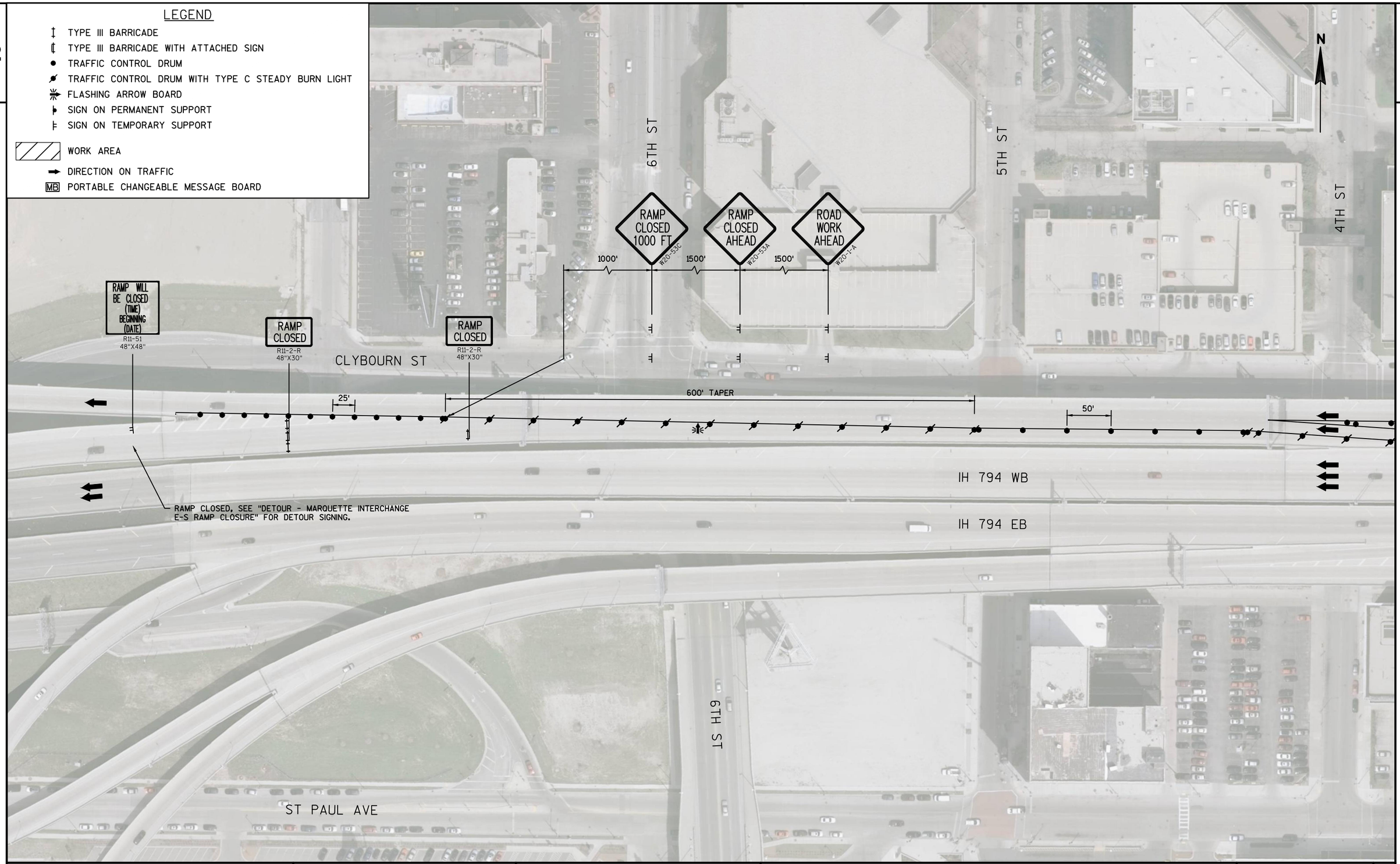
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LAYOUT NAME - 025215_S2

PLOT DATE : 1/16/2017 2:57 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 51	E

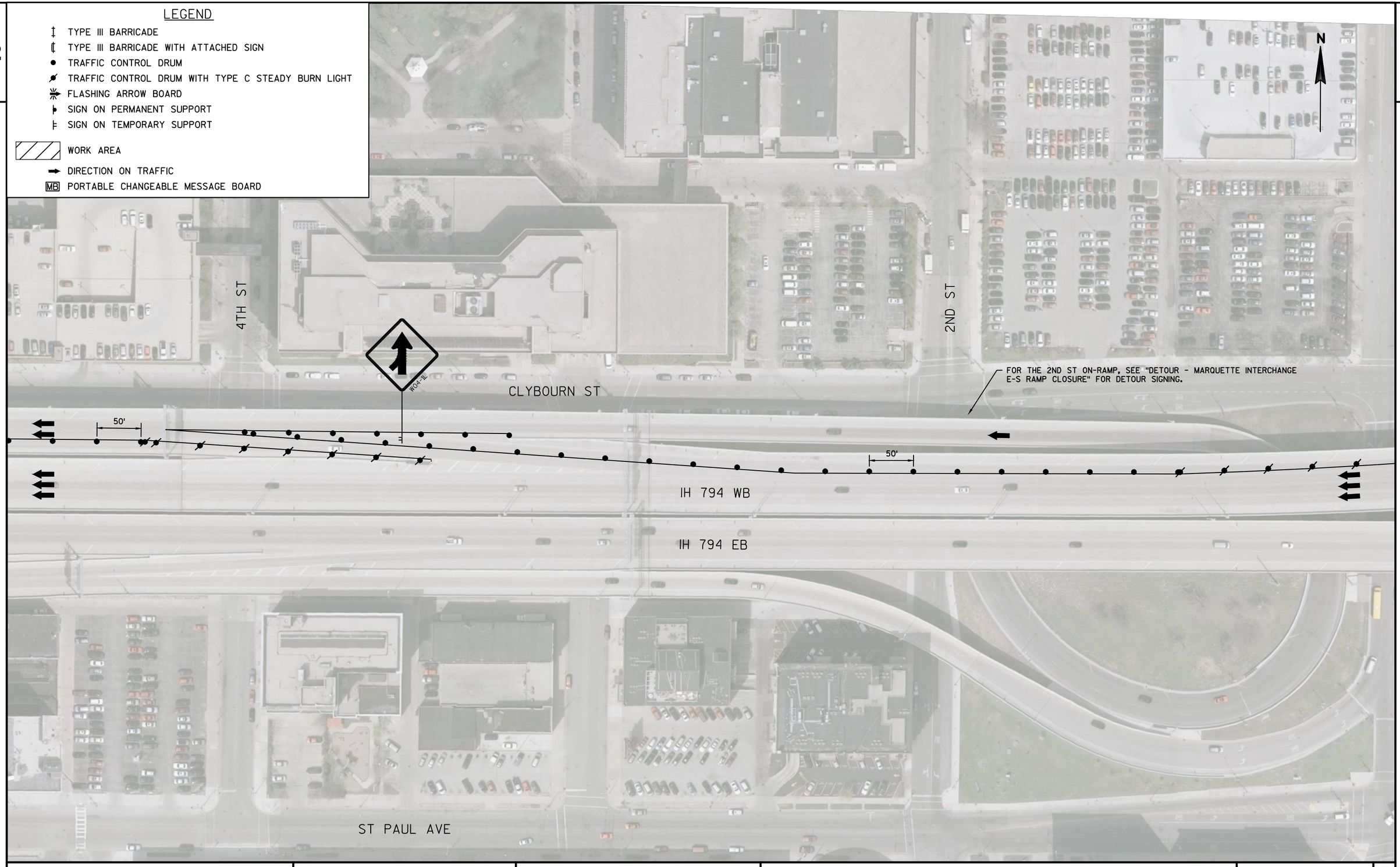
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LAYOUT NAME - 025216_S2

PLOT DATE : 1/16/2017 2:57 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



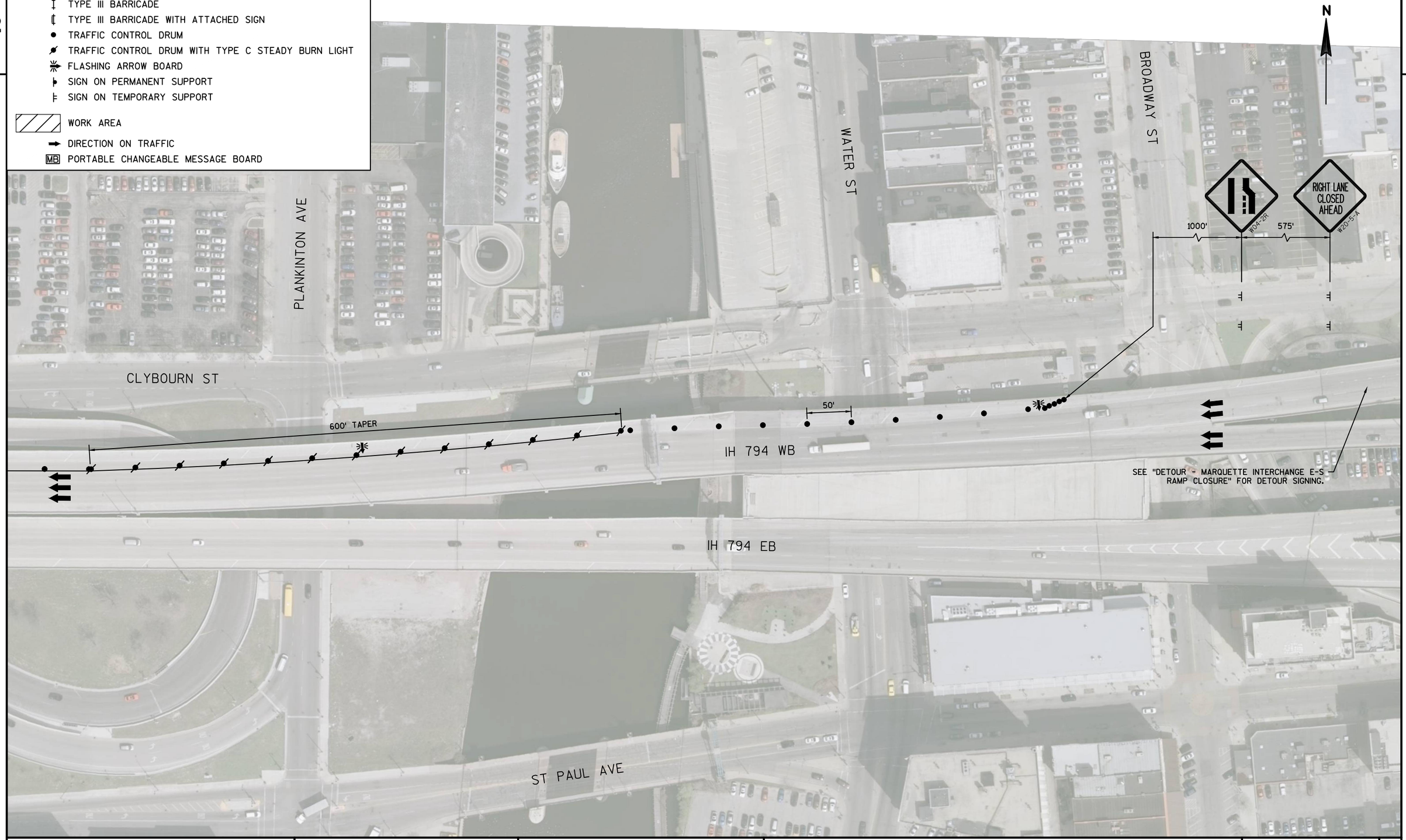
2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 52	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 53	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025218_S2

PLOT DATE : 1/16/2017 2:57 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

SPRING ST

IH 94 EB

IH 94 WB

880 882 884 886 888 890 892 894

660' TAPER

50'

1 MILE 2600' 1100' 500' 500'

ROAD WORK 2 MILES W020-1E

RIGHT TWO LANES CLOSED 1 MILE W20-58-F

RIGHT TWO LANES CLOSED 1/2 MILE W20-58-G

RIGHT TWO LANES CLOSED 1500 FT W20-58-B

W04-2R

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 54	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025219_S2

PLOT DATE : 1/16/2017 2:57 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

W04-2R

IH 94 EB

894 896 898 900 902 904 906 908

660' TAPER

50'

IH 94 WB

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 55	E

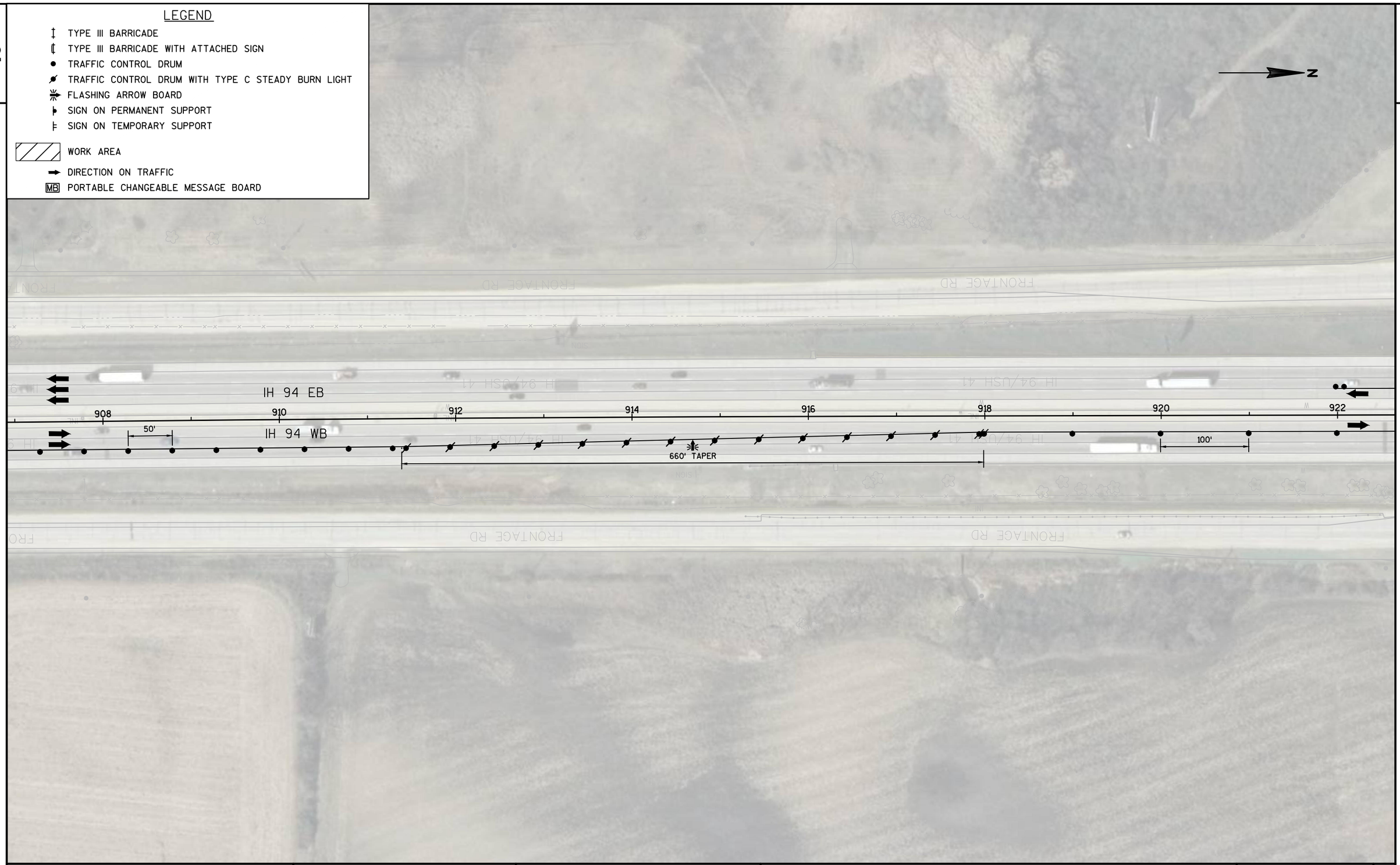
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LAYOUT NAME - 025220_S2

PLOT DATE : 1/16/2017 2:58 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 56	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025221_S2

PLOT DATE : 1/16/2017 2:58 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

100'

660' TAPER

50'

IH 94 EB

922 924 926 928 930 932 934 936

100'

IH 94 WB

KRAUT RD

FRONTAGE RD

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 57	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025222_S2

PLOT DATE : 1/16/2017 2:58 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

W04-2R

50'

660' TAPER

IH 94 EB

936 938 940 942 944 946 948 950

IH 94 WB

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 58	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025223_S2

PLOT DATE : 1/16/2017 2:59 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	TRAFFIC CONTROL STAGE II	SHEET 59	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\025101_TC_STAGE II.DWG
LAYOUT NAME - 025224_S2

PLOT DATE : 1/16/2017 2:59 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:100 FT

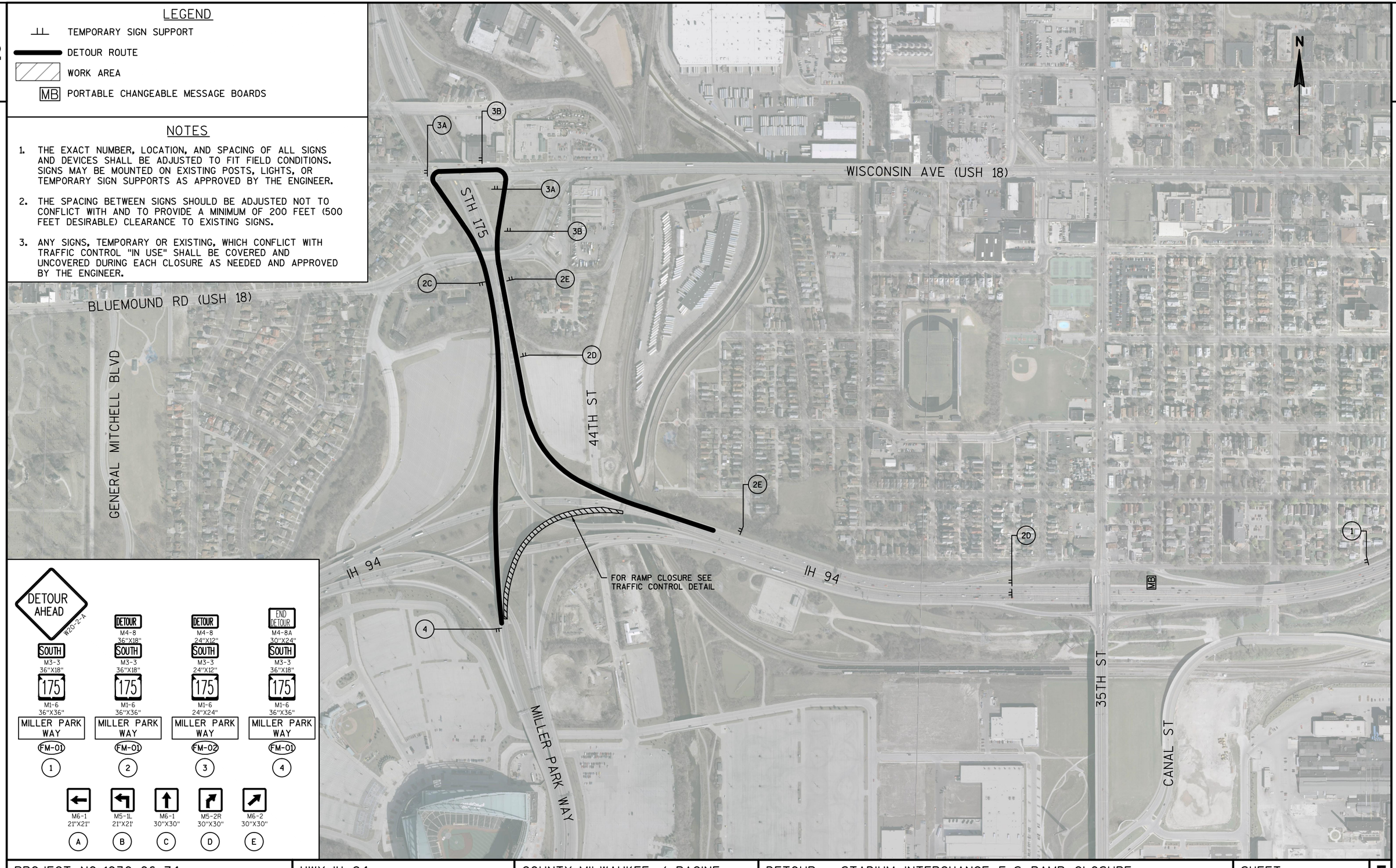
2

LEGEND

- TEMPORARY SIGN SUPPORT
- DETOUR ROUTE
- WORK AREA
- MB PORTABLE CHANGEABLE MESSAGE BOARDS

NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. SIGNS MAY BE MOUNTED ON EXISTING POSTS, LIGHTS, OR TEMPORARY SIGN SUPPORTS AS APPROVED BY THE ENGINEER.
2. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.
3. ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AND UNCOVERED DURING EACH CLOSURE AS NEEDED AND APPROVED BY THE ENGINEER.



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	DETOUR - STADIUM INTERCHANGE E-S RAMP CLOSURE	SHEET 60	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\DETOUR - WB IH 94 TO SB MPW.DWG
LAYOUT NAME - WB - SB
PLOT DATE : 1/16/2017 3:01 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

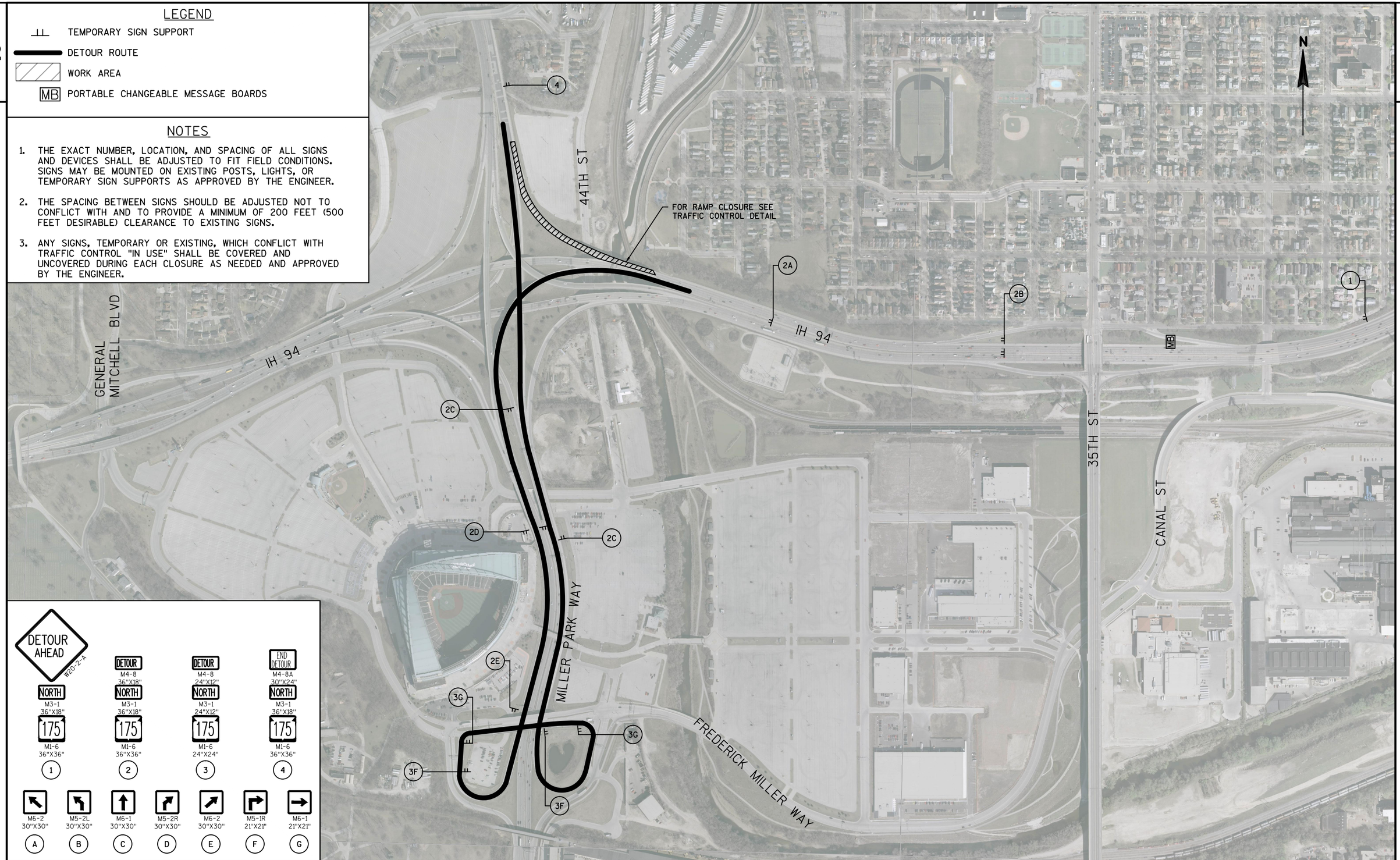
2

LEGEND

- TEMPORARY SIGN SUPPORT
- DETOUR ROUTE
- WORK AREA
- MB PORTABLE CHANGEABLE MESSAGE BOARDS

NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. SIGNS MAY BE MOUNTED ON EXISTING POSTS, LIGHTS, OR TEMPORARY SIGN SUPPORTS AS APPROVED BY THE ENGINEER.
2. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.
3. ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AND UNCOVERED DURING EACH CLOSURE AS NEEDED AND APPROVED BY THE ENGINEER.



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	DETOUR - STADIUM INTERCHANGE E-N RAMP CLOSURE	SHEET 61	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\DETOUR - WB IH 94 TO NB 175.DWG
LAYOUT NAME - WB - SB

PLOT DATE : 1/16/2017 3:02 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

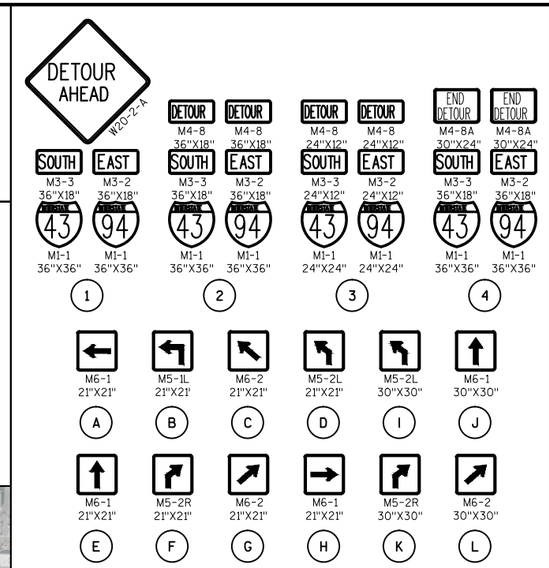
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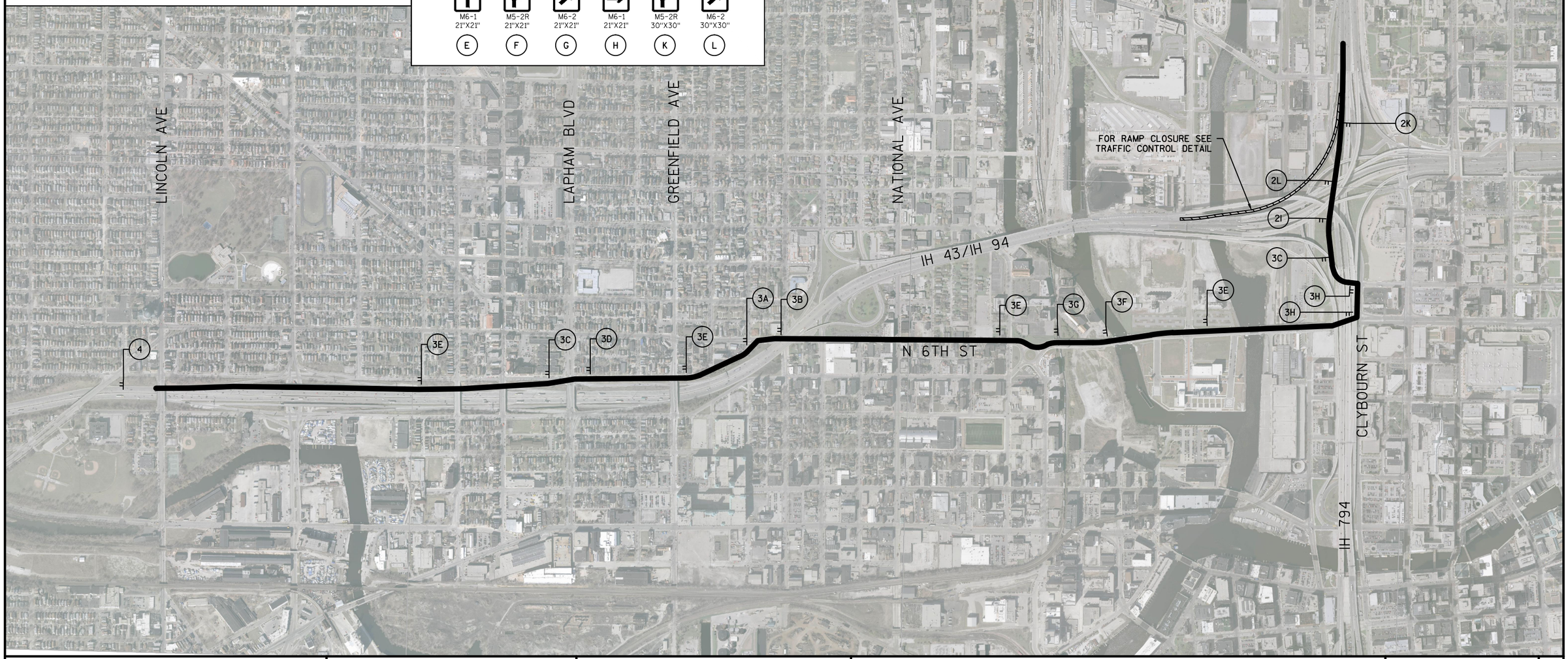
LEGEND

- TEMPORARY SIGN SUPPORT
- DETOUR ROUTE
- WORK AREA
- MB PORTABLE CHANGEABLE MESSAGE BOARDS

NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. SIGNS MAY BE MOUNTED ON EXISTING POSTS, LIGHTS, OR TEMPORARY SIGN SUPPORTS AS APPROVED BY THE ENGINEER.
2. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.
3. ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AND UNCOVERED DURING EACH CLOSURE AS NEEDED AND APPROVED BY THE ENGINEER.





PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	DETOUR - MARQUETTE INTERCHANGE W-S RAMP CLOSURE	SHEET 62	E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\DETOUR - EB IH 94 TO SB IH 94.DWG
LAYOUT NAME - W TO S

PLOT DATE : 1/16/2017 3:03 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:1000 FT

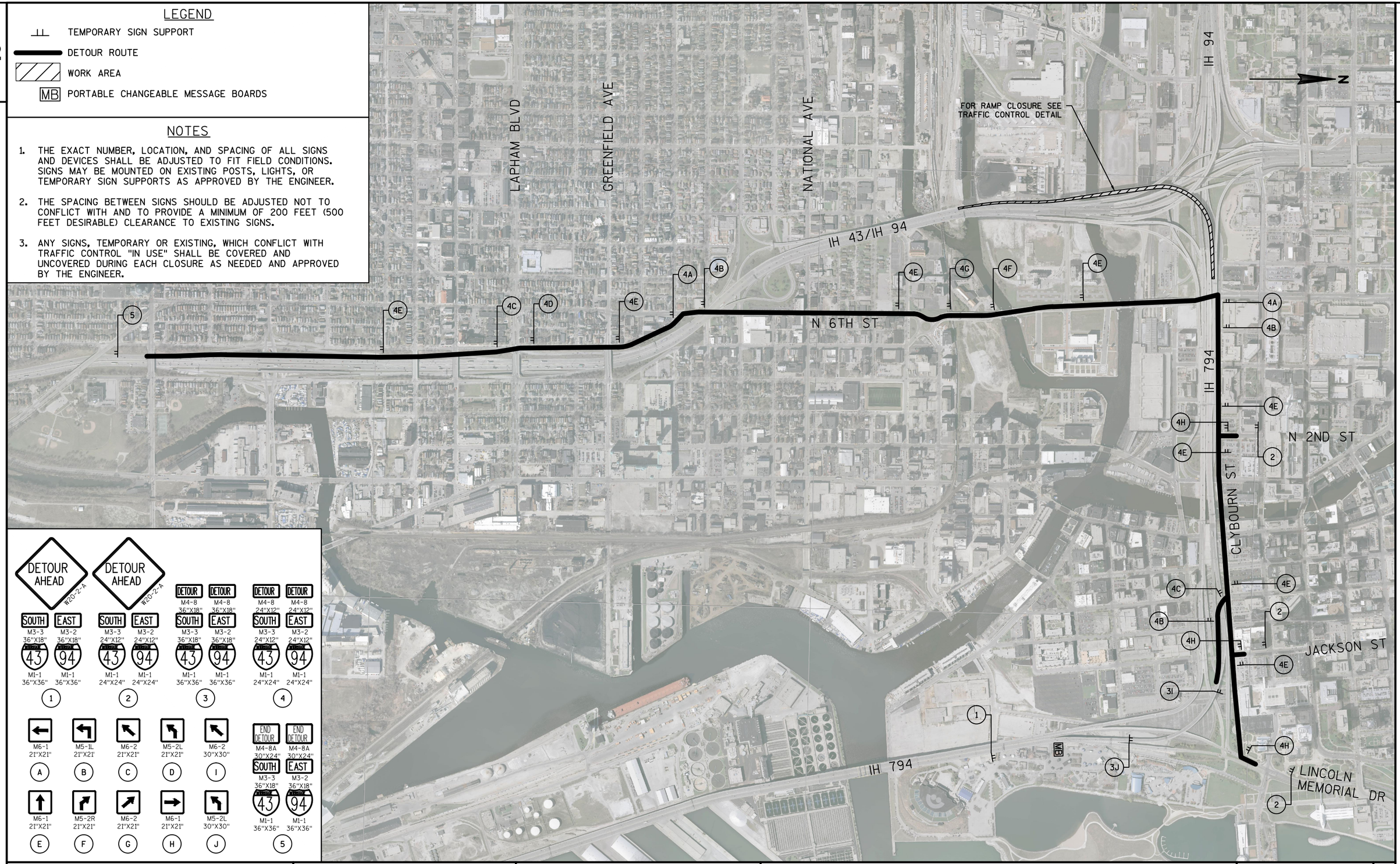
WISDOT/CADDS SHEET 42

LEGEND

- TEMPORARY SIGN SUPPORT
- DETOUR ROUTE
- WORK AREA
- MB PORTABLE CHANGEABLE MESSAGE BOARDS

NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. SIGNS MAY BE MOUNTED ON EXISTING POSTS, LIGHTS, OR TEMPORARY SIGN SUPPORTS AS APPROVED BY THE ENGINEER.
2. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.
3. ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AND UNCOVERED DURING EACH CLOSURE AS NEEDED AND APPROVED BY THE ENGINEER.



PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE / RACINE	DETOUR - MARQUETTE INTERCHANGE E-S RAMP CLOSURE	SHEET 63 E

FILE NAME : X:\PDS\C3D\10300604\SHEETSPLAN\DETOUR - WB IH 794 TO EB IH 94.DWG
LAYOUT NAME - E TO S

PLOT DATE : 1/16/2017 3:06 PM PLOT BY : FILTZ, DEAN J PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

1030-06-74

Line	Item	Item Description	Unit	Total	Qty
0010	213.0100	Finishing Roadway (project) 01. 1030-06-74	EACH	1.000	1.000
0040	502.3210	Pigmented Surface Sealer	SY	1,757.000	1,757.000
0050	509.0301	Preparation Decks Type 1	SY	134.000	134.000
0060	509.0302	Preparation Decks Type 2	SY	66.000	66.000
0070	509.1500	Concrete Surface Repair	SF	20.000	20.000
0080	509.5100.S	Polymer Overlay	SY	6,581.000	6,581.000
0090	619.1000	Mobilization	EACH	0.600	0.600
0100	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0110	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0120	628.7010	Inlet Protection Type B	EACH	38.000	38.000
0130	643.0100	Traffic Control (project) 01. 1030-06-74	EACH	1.000	1.000
0160	643.0300	Traffic Control Drums	DAY	9,170.000	9,170.000
0170	643.0420	Traffic Control Barricades Type III	DAY	429.000	429.000
0180	643.0705	Traffic Control Warning Lights Type A	DAY	858.000	858.000
0190	643.0715	Traffic Control Warning Lights Type C	DAY	2,146.000	2,146.000
0200	643.0800	Traffic Control Arrow Boards	DAY	194.000	194.000
0210	643.0900	Traffic Control Signs	DAY	1,848.000	1,848.000
0220	643.0920	Traffic Control Covering Signs Type II	EACH	8.000	8.000
0230	643.1000	Traffic Control Signs Fixed Message	SF	246.000	246.000
0240	643.1050	Traffic Control Signs PCMS	DAY	329.000	329.000
0250	643.1055.S	Truck or Trailer Mounted Attenuator	DAY	53.000	53.000
0260	643.2000	Traffic Control Detour (project) 01. 1030-06-74	EACH	1.000	1.000
0280	643.3000	Traffic Control Detour Signs	DAY	3,346.000	3,346.000
0290	646.0106	Pavement Marking Epoxy 4-Inch	LF	4,330.000	4,330.000
0300	646.0600	Removing Pavement Markings	LF	7,855.000	7,855.000
0320	647.0746	Pavement Marking Diagonal Epoxy 24-Inch	LF	485.000	485.000
0330	649.0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	5,020.000	5,020.000
0340	649.0801	Temporary Pavement Marking Removable Tape 8-Inch	LF	1,545.000	1,545.000
0350	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	750.000	750.000
0360	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	700.000	700.000
0380	SPV.0090	Special 01. PAVEMENT MARKING CONTRAST EPOXY 4-INCH	LF	690.000	690.000
0390	SPV.0090	Special 02. PAVEMENT MARKING CONTRAST EPOXY 8-INCH	LF	2,350.000	2,350.000
0400	SPV.0090	Special 03. TEMPORARY PAVEMENT MARKING NON-REFLECTIVE BLACK TAPE 8-INCH	LF	140.000	140.000
0410	SPV.0180	Special 01. RESIN BINDER HIGH FRICTION SURFACE TREATMENT	SY	1,075.000	1,075.000
0420	SPV.0180	Special 02. SINGLE COURSE POLYMER OVERLAY	SY	4,810.000	4,810.000

HIGH FRICTION SURFACE TREATMENT

CATEGORY	ROADWAY	STATION	TO	STATION	SPV.0180.01 RESIN BINDER HIGH FRICTION SURFACE TREATMENT SY
1000					
	IH 94 WB	164+99.0	-	174+80.0	1,075
	TOTAL:				1,075

FINISHING ROADWAY (PROJECT)

CATEGORY	PROJECT	213.0100.01 FINISHING ROADWAY EACH
1000		
	1030-06-74	1
	TOTAL:	1

3

EROSION CONTROL ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.7010 INLET PROTECTION TYPE B EACH
1000							
	IH 94 WB	164+68.0	-	175+50.0	2	1	14
	IH 94 EB / IH 43 SB	175+30.0	-	181+67.0	2	1	12
	IH 94 EB & WB - KRAUT RD	917+72.0	-	928+74.0	2	1	4
	UNDISTRIBUTED				--	--	8
	TOTAL:				6	3	38

MOBILIZATION

CATEGORY	PROJECT	619.1000 MOBILIZATION EACH
1000		
	1030-06-74	0.60
	TOTAL:	0.60

TRAFFIC CONTROL DETOUR (PROJECT)

CATEGORY	PROJECT	643.2000.01 TRAFFIC CONTROL DETOUR EACH
1000		
	1030-06-74	1
	TOTAL:	1

TRAFFIC CONTROL (PROJECT)

CATEGORY	PROJECT	643.0100.01 TRAFFIC CONTROL EACH
1000		
	1030-06-74	1
	TOTAL:	1

PAVEMENT MARKING ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	646.0106 PAVEMENT MARKING EPOXY 4-INCH LF White	646.0106 PAVEMENT MARKING EPOXY 4-INCH LF Yellow	647.0746 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH LF White	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH LF White	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH LF Yellow	649.0801 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH LF White	SPV.0090.01 PAVEMENT MARKING CONTRAST EPOXY 4-INCH LF White	SPV.0090.02 PAVEMENT MARKING CONTRAST EPOXY 8-INCH LF White	SPV.0090.03 TEMPORARY PAVEMENT MARKING NON-REFLECTIVE BLACK TAPE 8-INCH LF
1000	IH 94 WB	164+99.0	-	174+80.0	1,030	1,085	485	1,370	1,085	1,330	340	1,330	140
	IH 94 EB / IH 43 SB	176+93.4	-	181+57.3	940	835	--	1,180	835	215	240	1,020	--
	IH 94 - KRAUT RD	923+00.0	-	924+10.3	220	220	--	330	220	--	110	--	--
	TOTAL:				2,190	2,140	485	2,880	2,140	1,545	690	2,350	140
					4,330			5,020					

TRAFFIC CONTROL ITEMS

CATEGORY	LOCATION	**STAGE** DURATION DAYS	643.0300 TRAFFIC TRAFFIC CONTROL DRUMS **EACH**	643.0300 TRAFFIC TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III **EACH**	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A **EACH**	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C **EACH**	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS **EACH**	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	643.0900 TRAFFIC TRAFFIC CONTROL SIGNS **EACH**	643.0900 TRAFFIC TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II **NUMBER OF CYCLES**	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II **NUMBER OF SIGNS**	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	643.1050 TRAFFIC CONTROL SIGNS PCMS **EACH**	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.1055.S TRUCK OR TRAILER MOUNTED ATTENUATOR **EACH**	643.1055.S TRUCK OR TRAILER MOUNTED ATTENUATOR DAY
1000	**STAGE 1**																					
	IH 94 WB - STADIUM INTERCHANGE	8	189	1,512	6	48	12	96	26	208	3	24	22	176	--	--	--	246	1	34	1	8
	UNDISTRIBUTED	--	189	378	6	12	12	24	26	52	3	6	22	44	--	--	--	--	1	8	1	2
	IH 94 EB - VALLEY	5	267	1,335	6	30	12	60	60	300	6	30	31	155	--	--	--	--	1	28	1	5
	UNDISTRIBUTED	--	267	267	6	6	12	12	60	60	6	6	31	31	--	--	--	--	1	6	1	1
	IH 94 EB & WB - KRAUT RD	6	80	480	2	12	4	24	28	168	3	18	29	174	3	3	1	--	1	18	1	6
	UNDISTRIBUTED	--	80	160	2	4	4	8	28	56	3	6	29	58	1	1	1	--	1	6	1	2
	STAGE 2																					
	IH 94 WB - STADIUM INTERCHANGE	9	226	2,034	17	153	34	306	58	522	4	36	50	450	--	--	--	--	3	70	1	9
	UNDISTRIBUTED	--	226	452	17	34	34	68	58	116	4	8	50	100	--	--	--	--	3	16	1	2
	IH 94 EB - VALLEY	5	272	1,360	15	75	30	150	60	300	6	30	50	250	--	--	--	--	4	80	1	5
	UNDISTRIBUTED	--	272	272	15	15	30	30	60	60	6	6	50	50	--	--	--	--	4	16	1	1
	IH 94 EB & WB - KRAUT RD	6	80	480	2	12	4	24	28	168	3	18	29	174	3	3	1	--	1	18	1	6
	UNDISTRIBUTED	--	80	160	2	4	4	8	28	56	3	6	29	58	1	1	1	--	1	6	1	2
	WALKER ST ON RAMP	3	70	210	6	18	12	36	20	60	--	--	32	96	--	--	--	--	2	18	1	3
	UNDISTRIBUTED	--	70	70	6	6	12	12	20	20	--	--	32	32	--	--	--	--	2	6	1	1
	TOTAL:			9,170		429		858		2,146		194		1,848	8			246		329		53

FOR INFORMATION ONLY

3

REMOVING PAVEMENT MARKINGS

CATEGORY	LOCATION	STATION	TO	STATION	646.0600 REMOVING PAVEMENT MARKINGS LF
1000					
	IH 94 WB	164+99.0	-	174+80.0	4,270
	IH 94 EB / IH 43 SB	176+93.4	-	181+57.3	3,035
	IH 94 EB & WB - KRAUT RD	923+00.0	-	924+10.3	550
	TOTAL:				7,855

DETOUR ITEMS

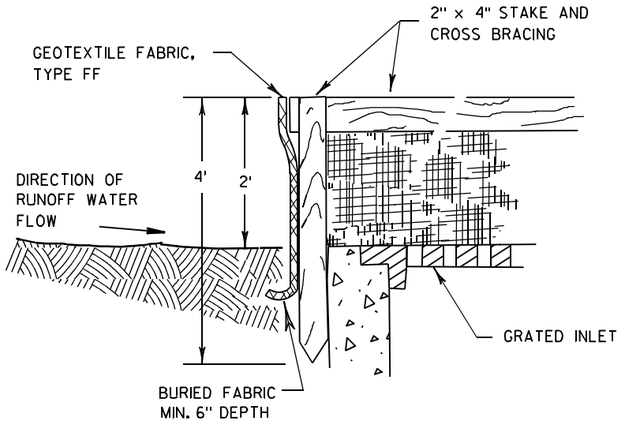
CATEGORY	LOCATION	**STAGE** DURATION DAYS	643.3000 TRAFFIC CONTROL DETOUR SIGNS **EACH**	DAY
1000	**STAGE 1**			
	IH 94 WB TO MILLER PARK WAY SB CLOSURE	8	58	464
	UNDISTRIBUTED	--	58	116
	IH 94 EB TO IH 43 SB CLOSURE	5	130	650
	UNDISTIBUTED	--	130	130
	STAGE 2			
	IH 94 WB TO STH 175 NB CLOSURE	9	54	486
	UNDISTRIBUTED	--	54	54
	IH 94 EB TO IH 43 SB CLOSURE	5	130	650
	UNDISTIBUTED	--	130	130
	IH 794 WB TO IH 43 SB CLOSURE	5	111	555
	UNDISTIBUTED	--	111	111
	TOTAL:			3,346

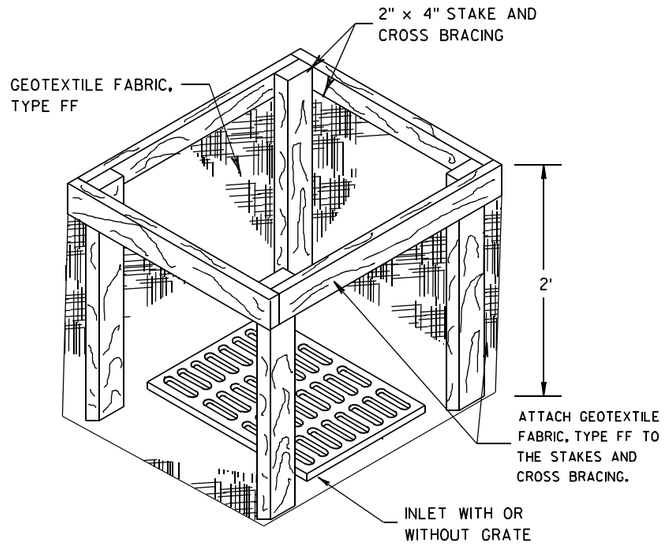
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FILE NAME : X:\Rawson\QTY\misc_q_border.ppt PLOT DATE : _____ PLOT BY : dotd2p PLOT NAME : _____ PLOT SCALE : 1:1

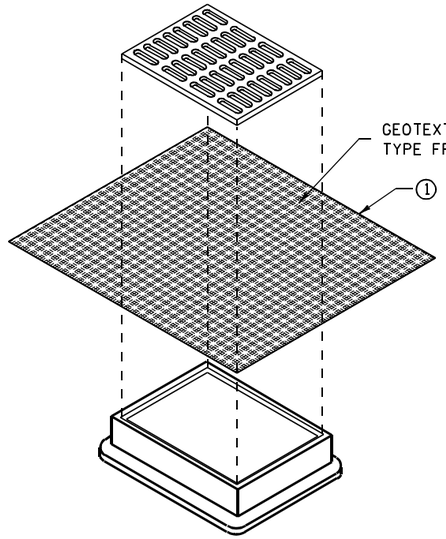
Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C08-17A	LONGITUDINAL MARKING (MAINLINE)
15C08-17B	PAVEMENT MARKING (TURN LANES)
15C08-17C	PAVEMENT MARKING (ISLANDS)
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-01B	LANE DROP PAVEMENT MARKING
15C31-01C	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-01D	PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D12-06B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D14-03	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)
15D15-02	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-03	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D38-01A	TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS
15D38-01B	ATTACHMENT OF SIGNS TO POSTS



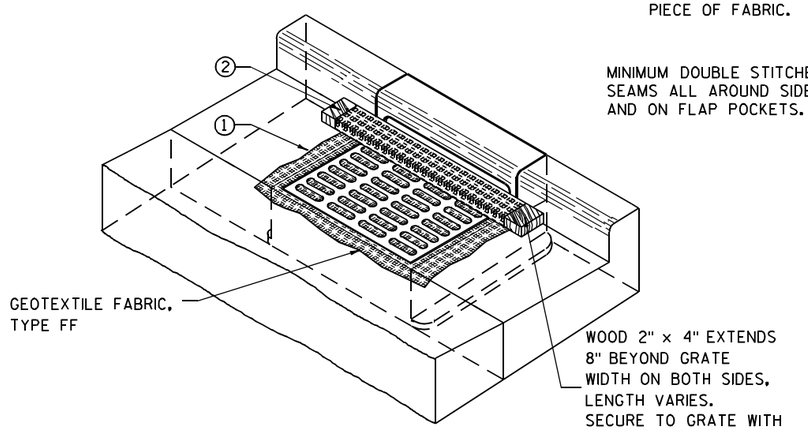


INLET PROTECTION, TYPE A

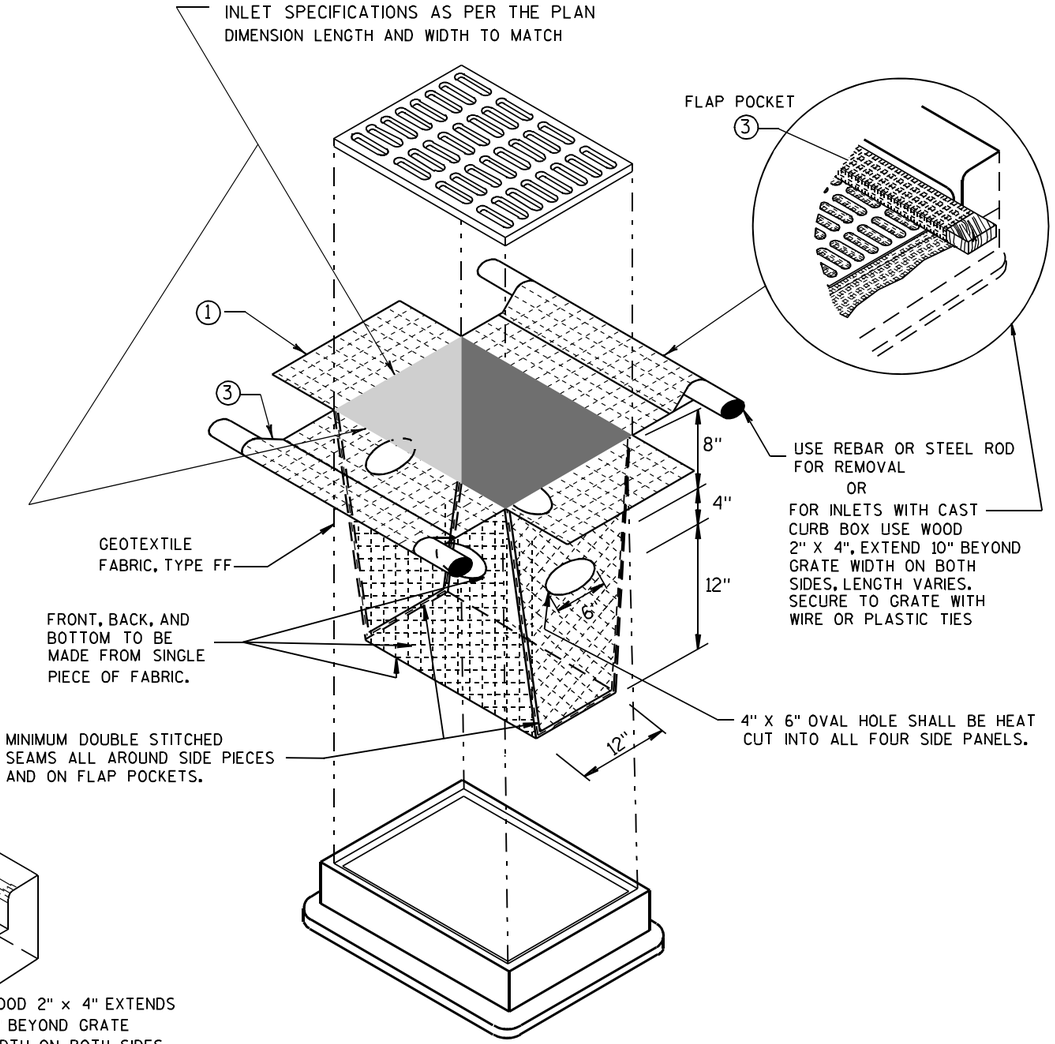


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

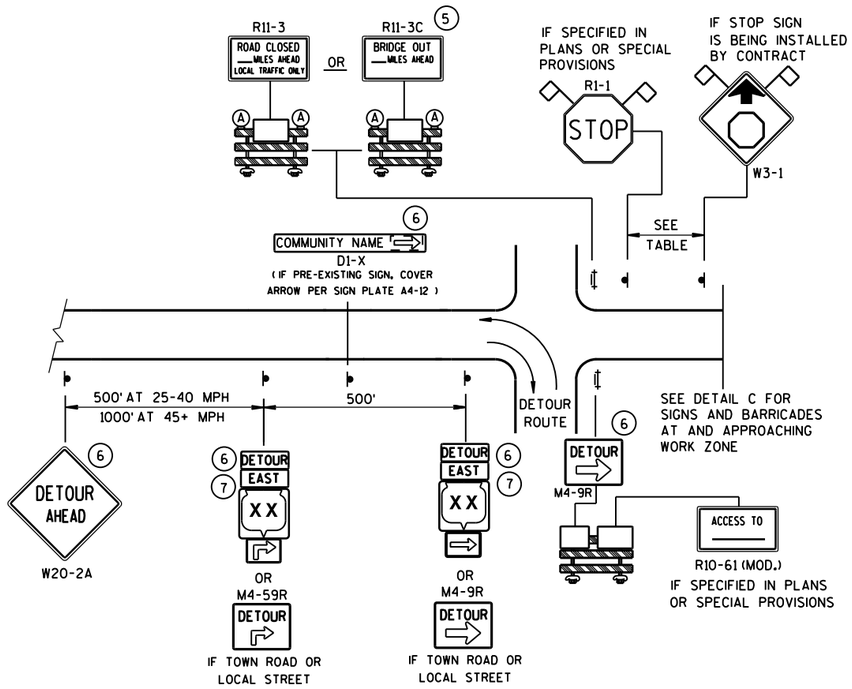
FHWA

6

S.D.D. 8 E 10-2

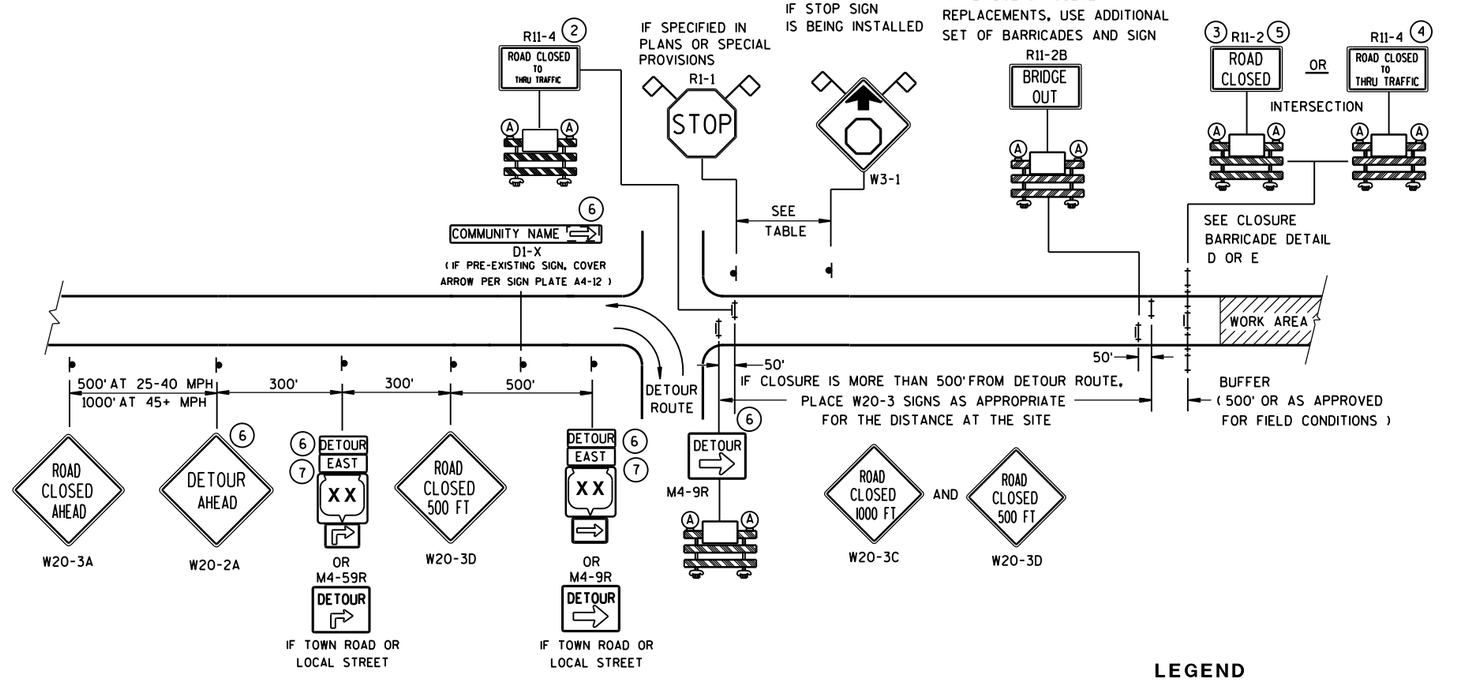
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S.D.D. 8 E 10-2



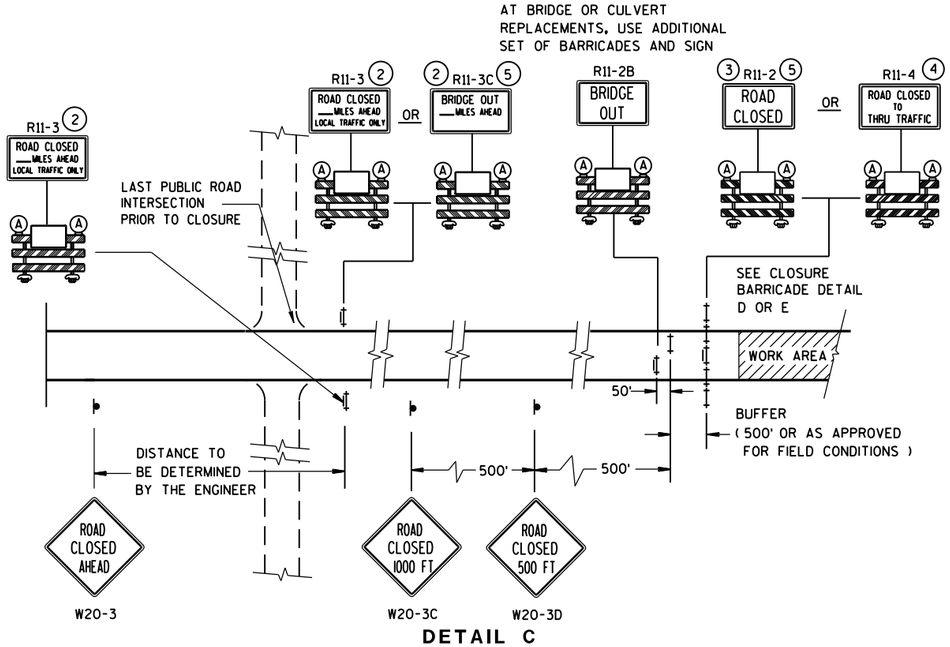
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN 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

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

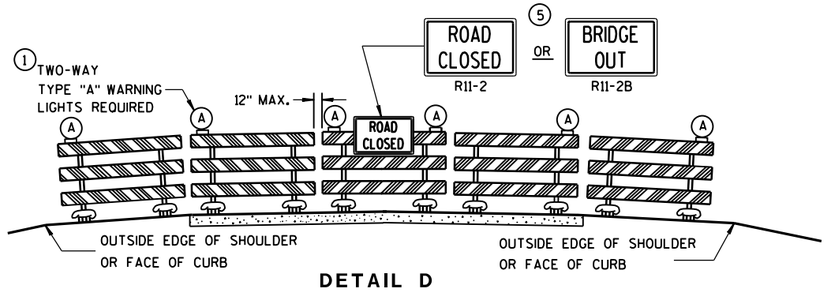
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

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S.D.D. 15 C 2-6a

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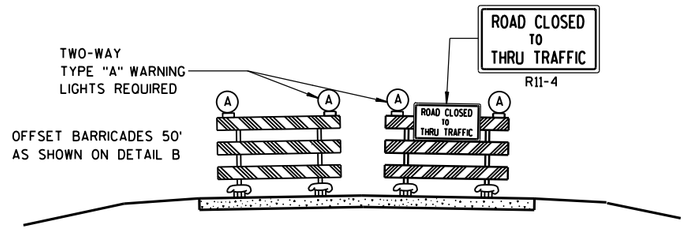
S.D.D. 15 C 2-6a



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 BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE 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, 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". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

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

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

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

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

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

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

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

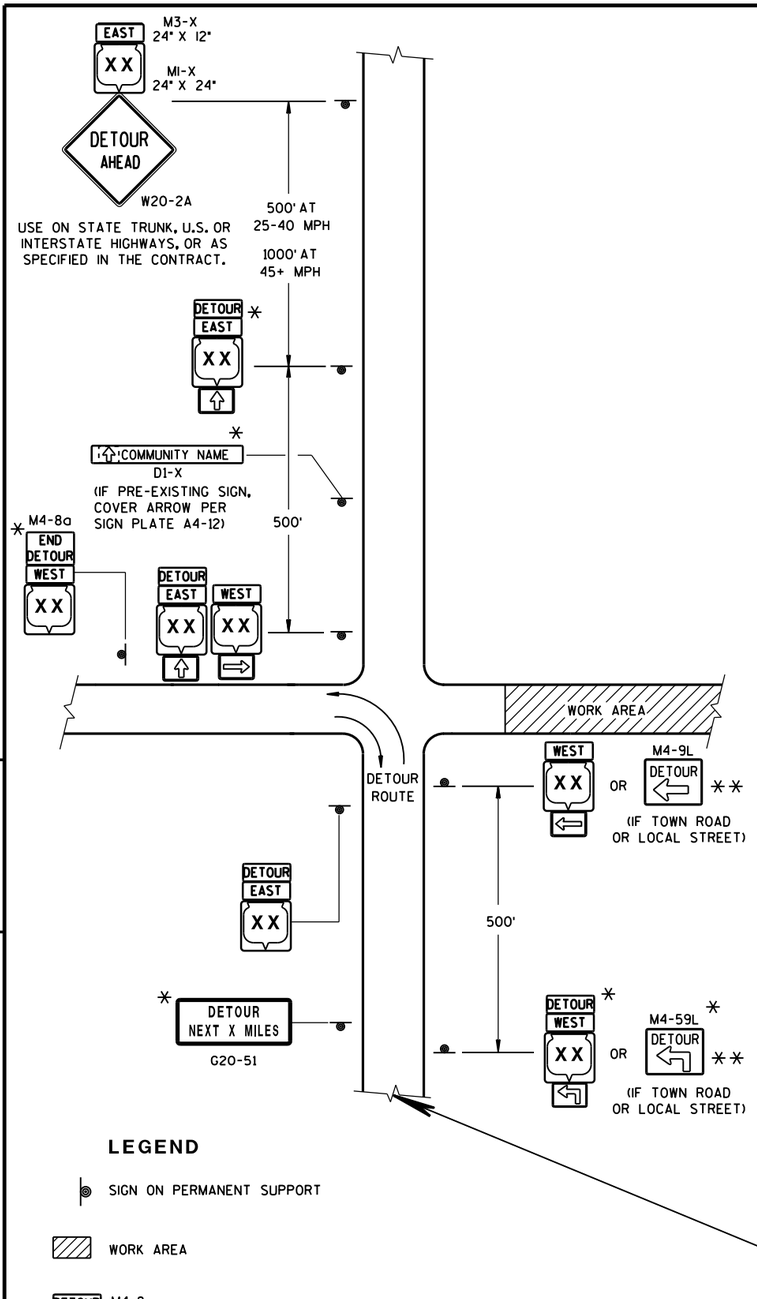
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI... — FHWA

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S.D.D. 15 C 2-6b



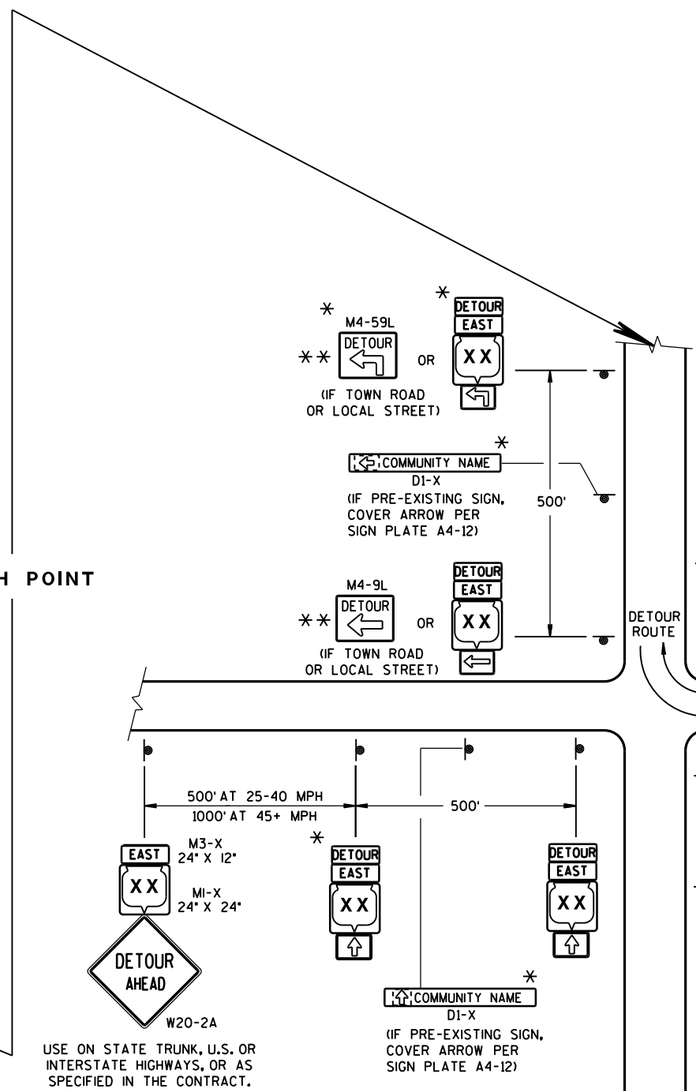
LEGEND

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

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

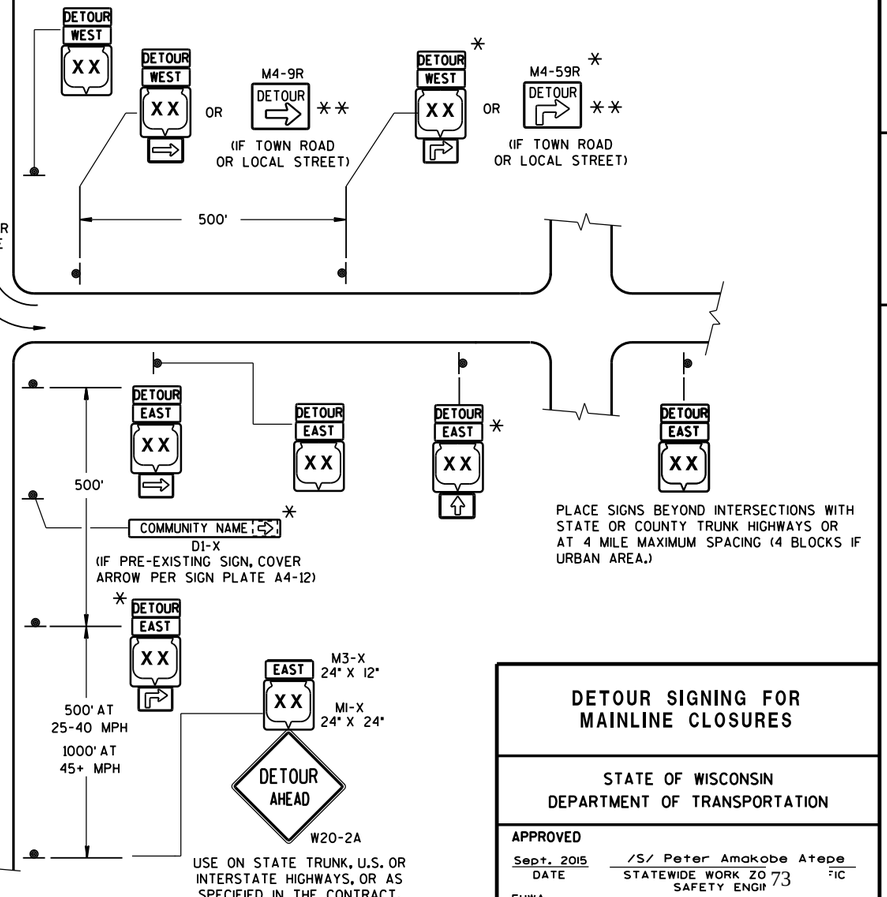
THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

MATCH POINT



DETAIL F

DETOUR SIGNING



GENERAL NOTES

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

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

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

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

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

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

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- 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.

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 — DATE

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

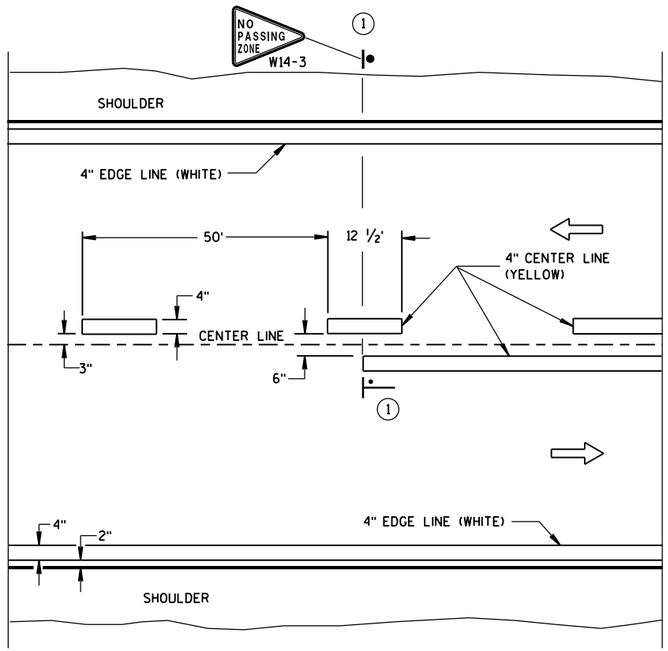
FHWA

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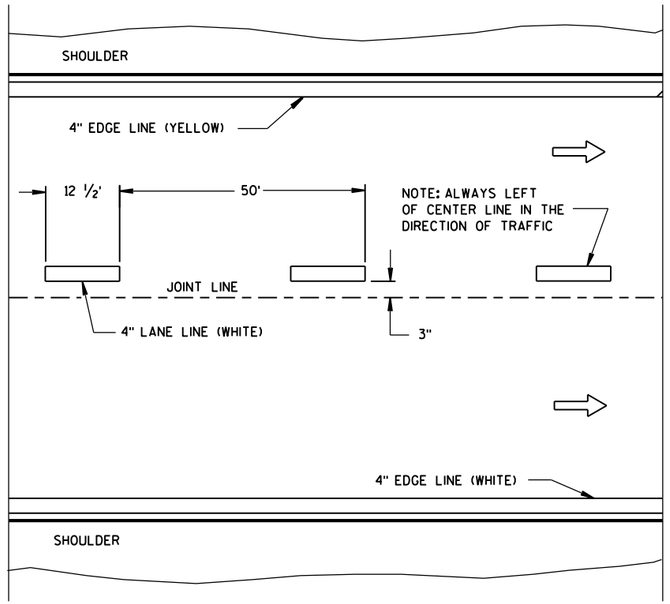
S.D.D. 15 C 2-6c

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S.D.D. 15 C 2-6c



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) NO PASSING ZONE W14-3 SIGN SHALL BE LOCATED WITHIN 50 FEET OF THE "T" MARKING.

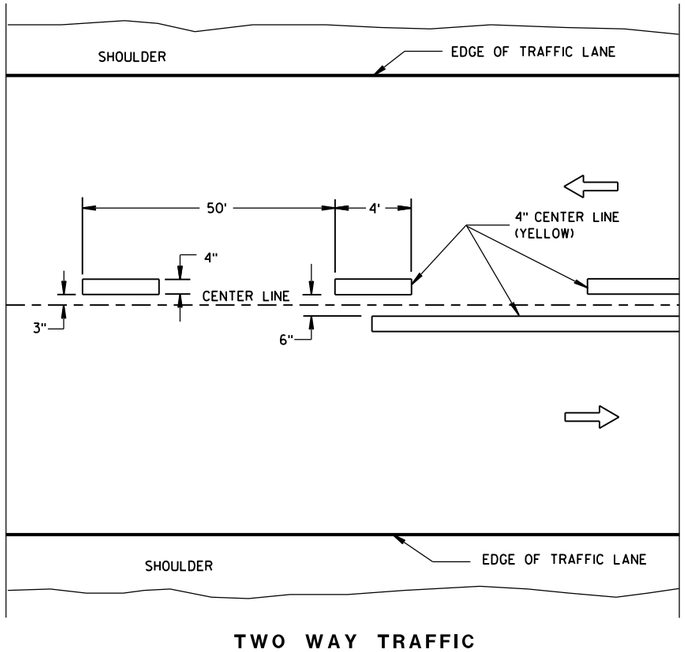
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

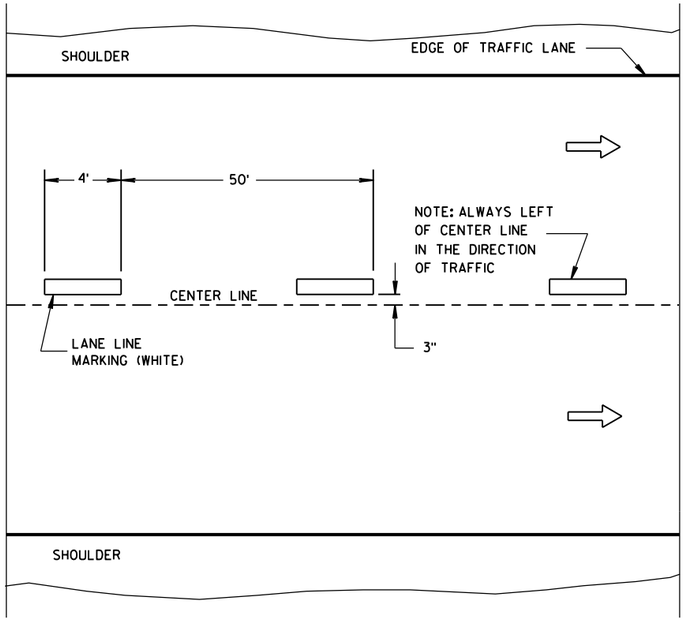
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

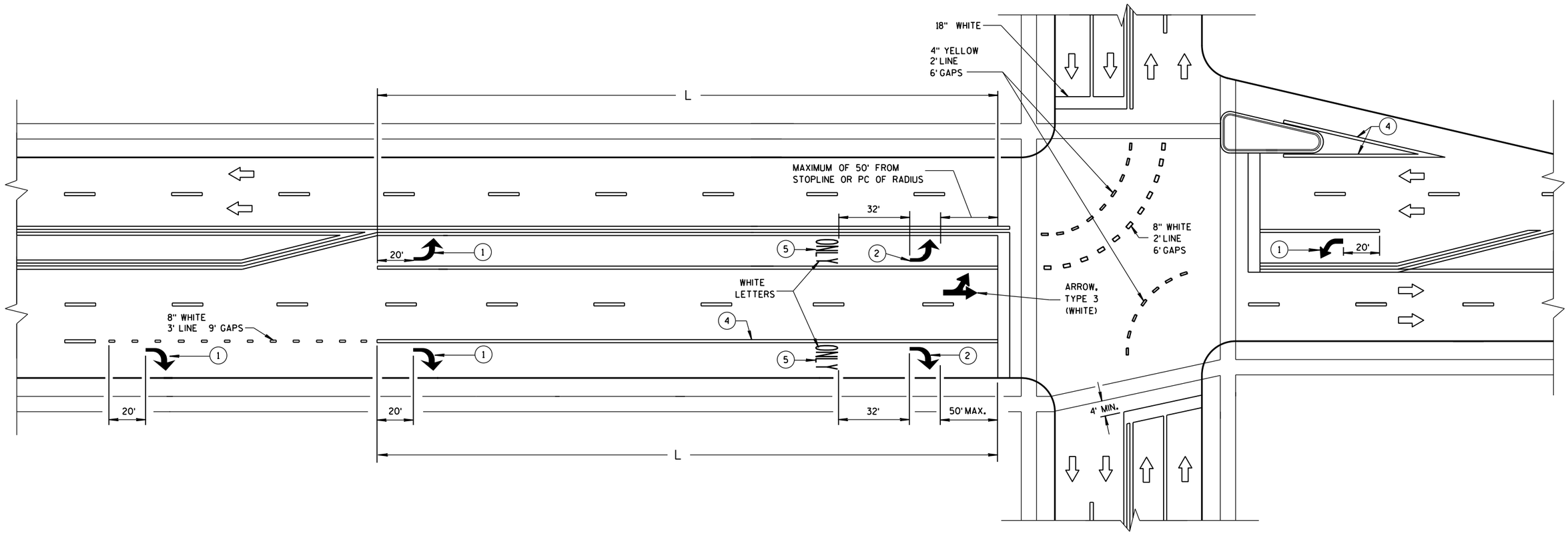
Sept., 2016 — DATE

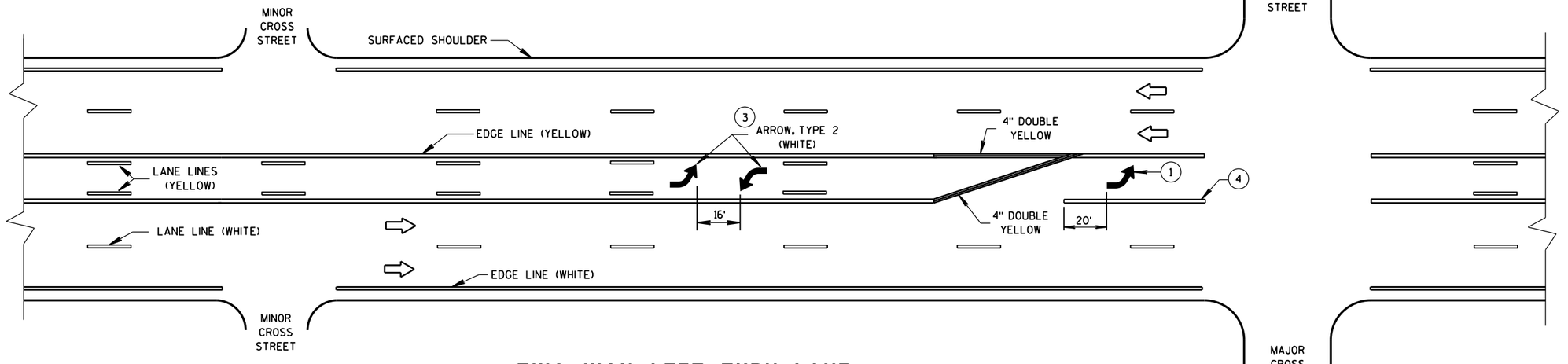
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

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S.D.D. 15 C 8-17a





GENERAL NOTES

(1) REQUIRED ARROW, TYPE 2 (WHITE).

(2) REQUIRED ARROW, TYPE 2 (WHITE) WHEN L IS GREATER THAN 78 FEET AND LESS THAN OR EQUAL TO 166 FEET.

(3) A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.

(4) 8" WHITE

(5) REQUIRED WORD ONLY WHEN L IS GREATER THAN 166 FEET.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL

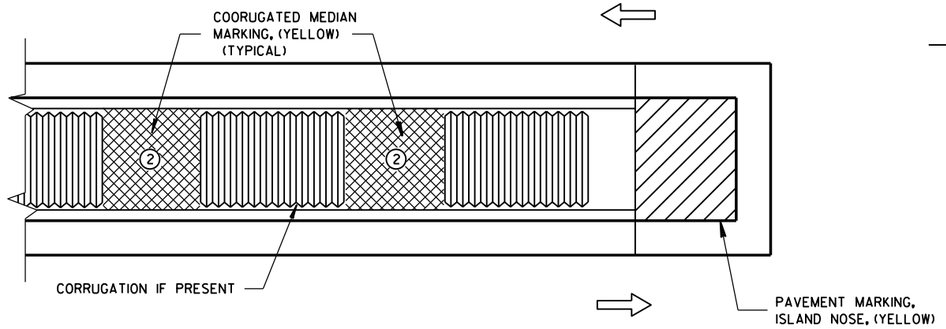
L = LENGTH OF TURN BAY

TWO WAY LEFT TURN LANE

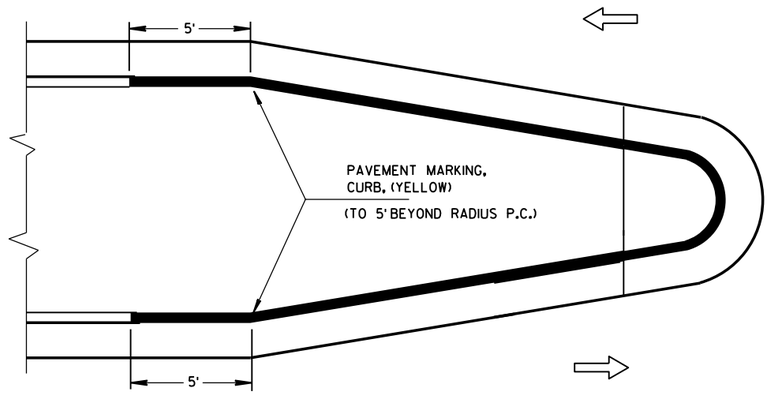
PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

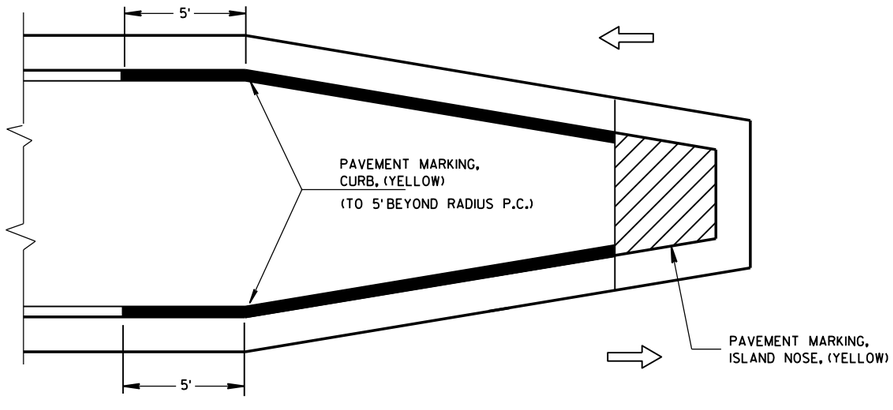
S.D.D. 15 C 8-17b



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

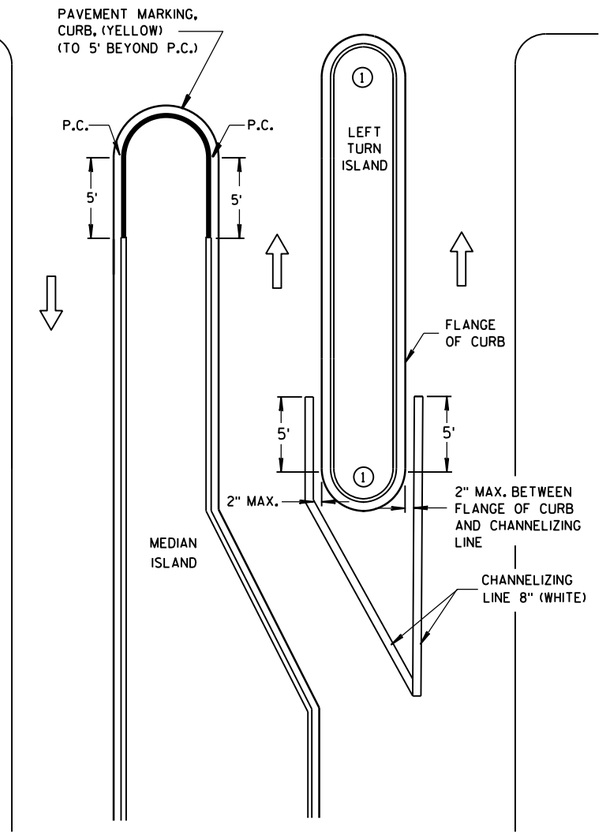


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

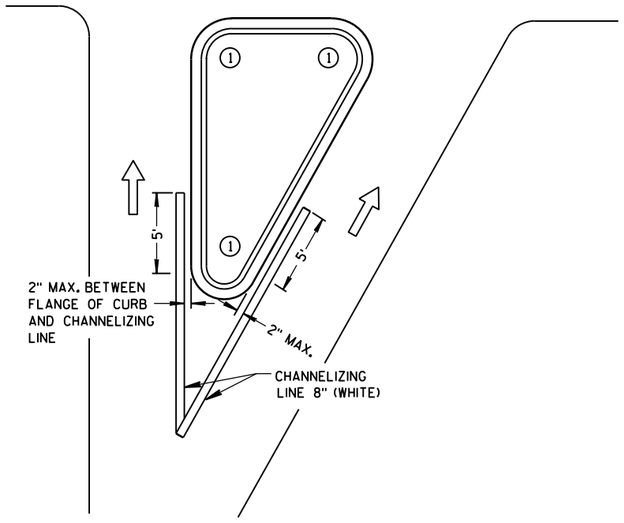


LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

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

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



RIGHT TURN ISLAND

LEGEND

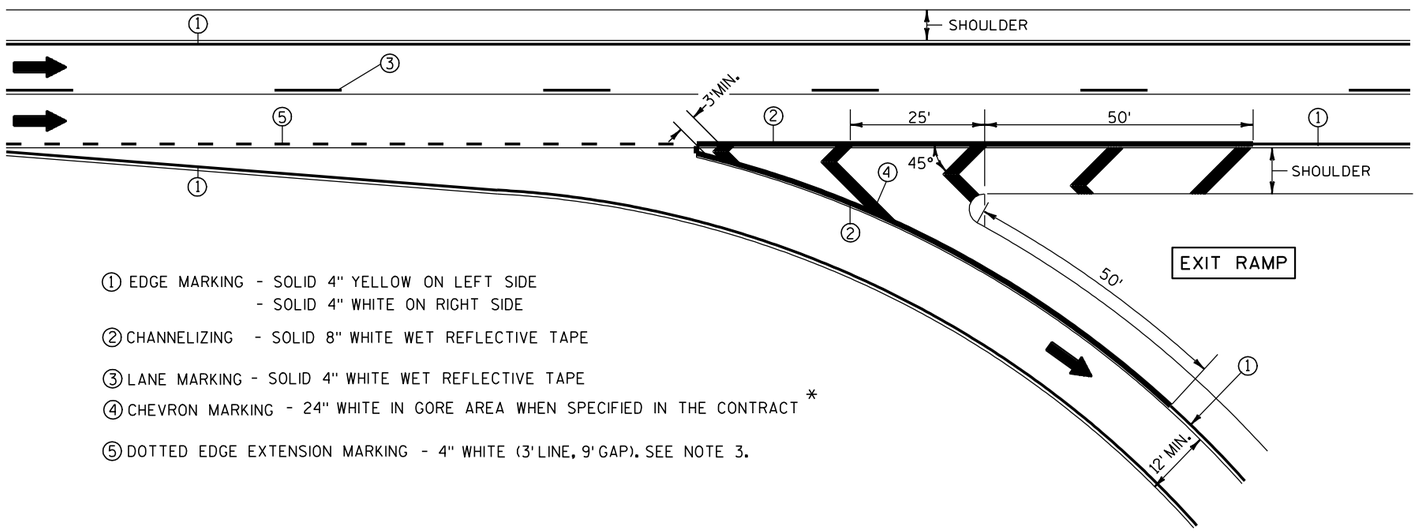
- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 C 8-17c



① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE

② CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE

③ LANE MARKING - SOLID 4" WHITE WET REFLECTIVE TAPE

④ CHEVRON MARKING - 24" WHITE IN GORE AREA WHEN SPECIFIED IN THE CONTRACT *

⑤ DOTTED EDGE EXTENSION MARKING - 4" WHITE (3' LINE, 9' GAP). SEE NOTE 3.

NOTES:

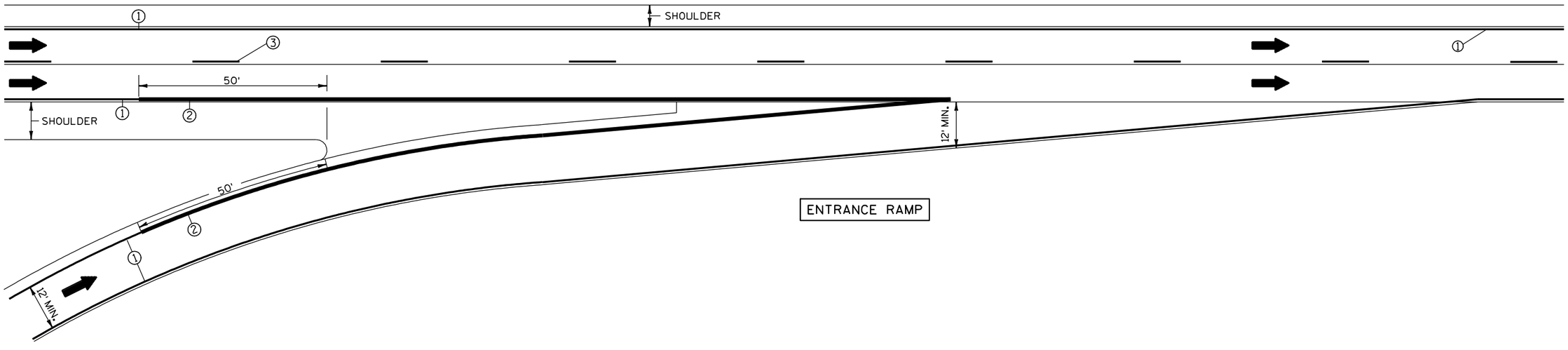
1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.

2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.

3. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

4. RETRACE EXISTING DIAGONAL MARKINGS.

* REFER TO DESIGN NOTES.



6

6

S.D.D. 15 C 31-1a

S.D.D. 15 C 31-1a

PAVEMENT MARKING (RAMPS AND GORES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

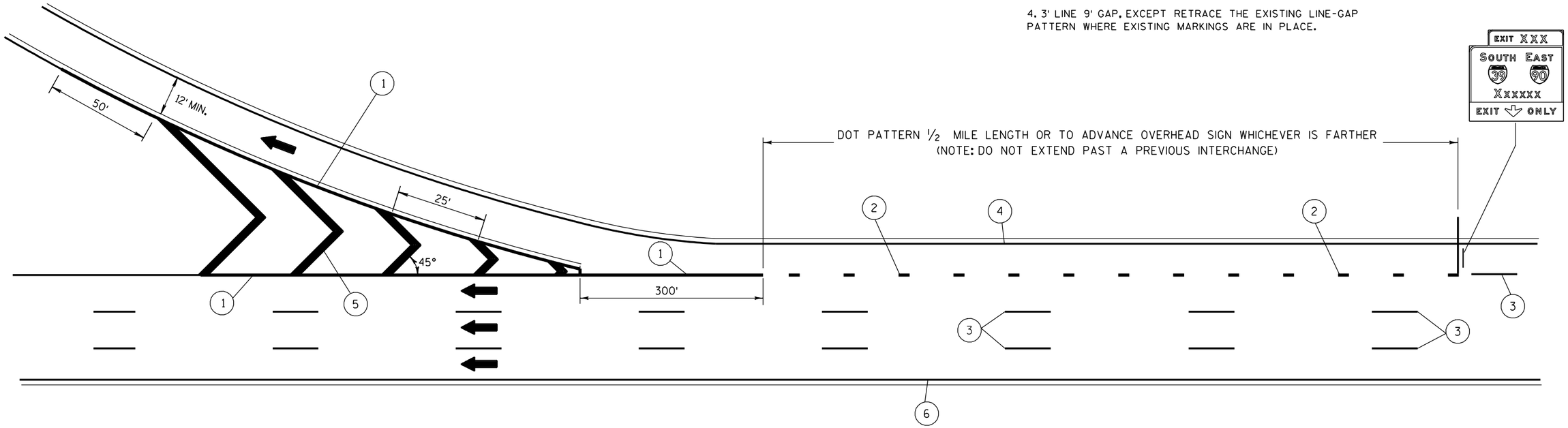
NOTES:

1. SEE STANDARD DETAIL DRAWING 15 C 10 FOR SPRAYED OR NON WET REFLECTIVE LINE SEGMENTS.

2. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.

3. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.

4. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.



1. CHANNELIZING - SOLID 8" WHITE WET RELECTIVE TAPE
2. 3' LINE, 9' GAP SOLID 8" WHITE WET REFLECTIVE TAPE. SEE NOTE 4.
3. SOLID 4" WHITE WET REFLECTIVE TAPE
4. 4" WHITE EDGELINE
5. CHEVRON MARKING - 24" WHITE WHEN SPECIFIED IN THE CONTRACT
6. 4" YELLOW EDGELINE

LANE DROP
PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 15 C 31-1b
S.D.D. 15 C 31-1b

NOTES:

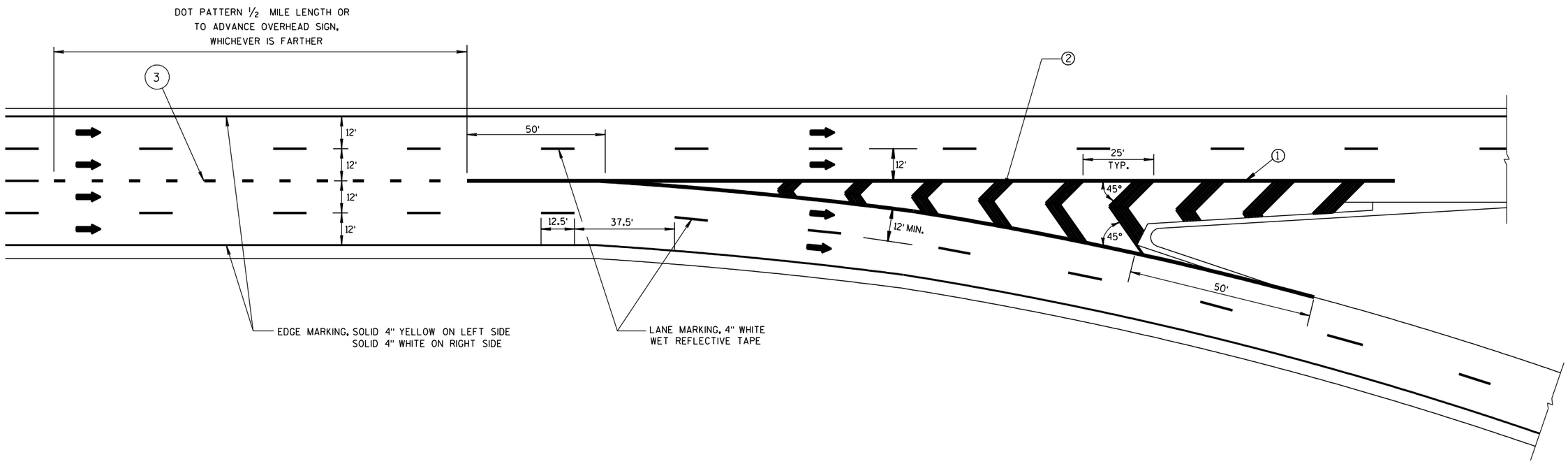
1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.

2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.

① CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE.

② CHEVRON MARKING - 24" WHITE WHEN SPECIFIED IN THE CONTRACT.

③ 3' LINE, 9' GAP SOLID 8" WHITE WET REFLECTIVE TAPE.



PAVEMENT MARKING
MAJOR SPLIT
FREEWAY TO FREEWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

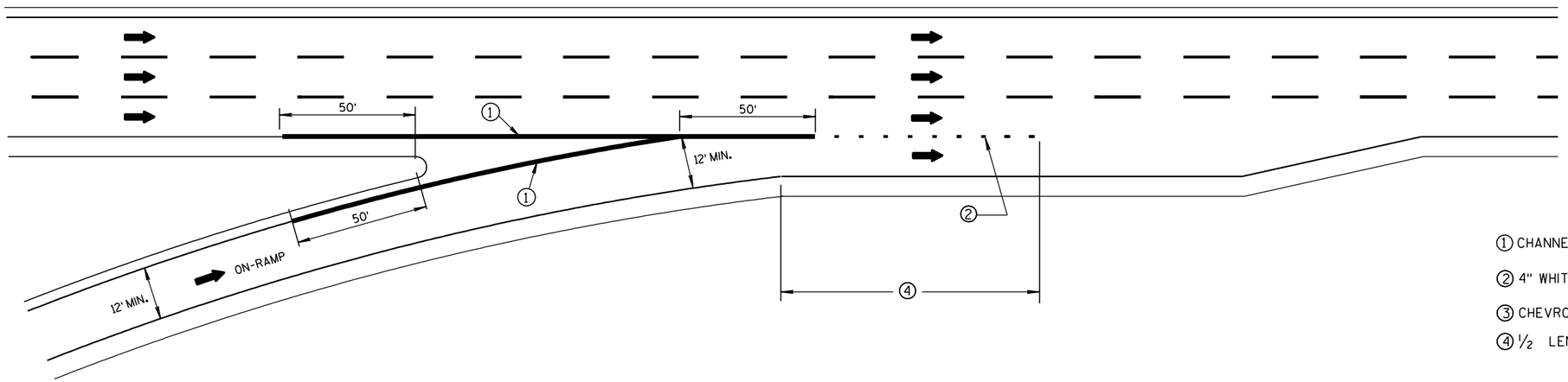
S.D.D. 15 C 31-1c

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S.D.D. 15 C 31-1c

NOTES:

1. AHEAD ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.
3. RETRACE EXISTING DIAGONAL MARKINGS.



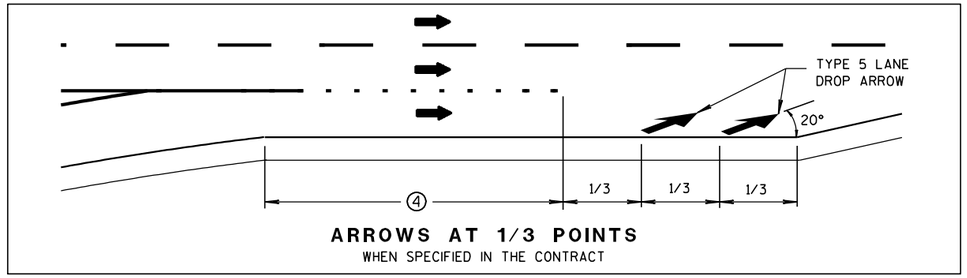
① CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE IN GORE AREA.

② 4" WHITE (3' LINE, 9' GAP).

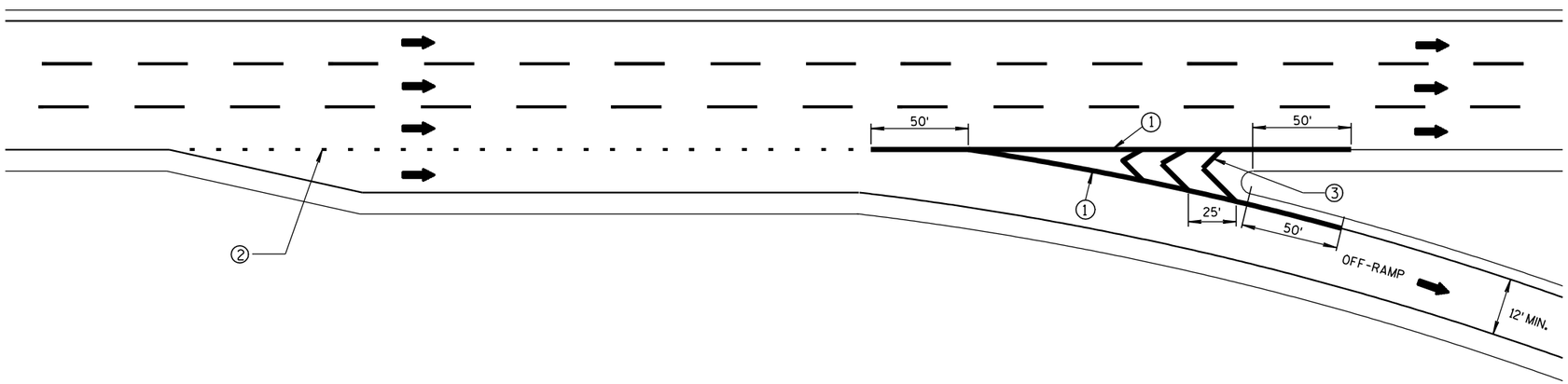
③ CHEVRON MARKING - 24" WHITE WHEN SPECIFIED IN THE CONTRACT.

④ ½ LENGTH OF FULL WIDTH ACCELERATION LANE.

SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE-RAMP



ARROWS AT 1/3 POINTS
WHEN SPECIFIED IN THE CONTRACT



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/23/2011 DATE
/S/ Thomas N. Nothem STATE TRAFFIC ENGINE 80 SIGN
FHWA

6
S.D.D. 15 C 31-1d

LEGEND

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

GENERAL NOTES

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

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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

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

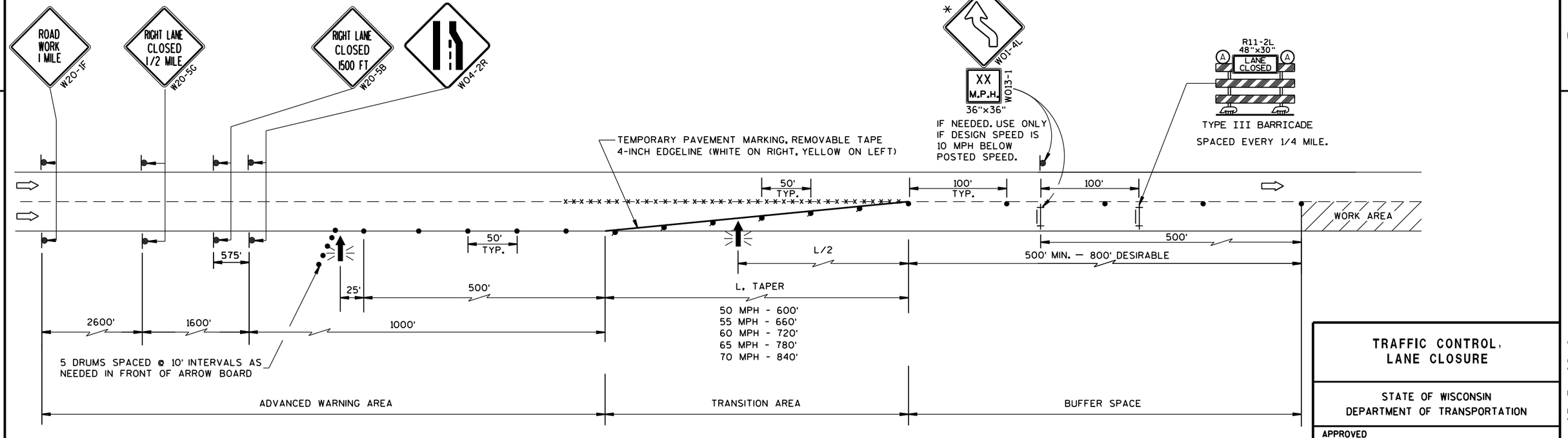
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

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

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

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 D 12-6a

LEGEND

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

GENERAL NOTES

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

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

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

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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

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

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

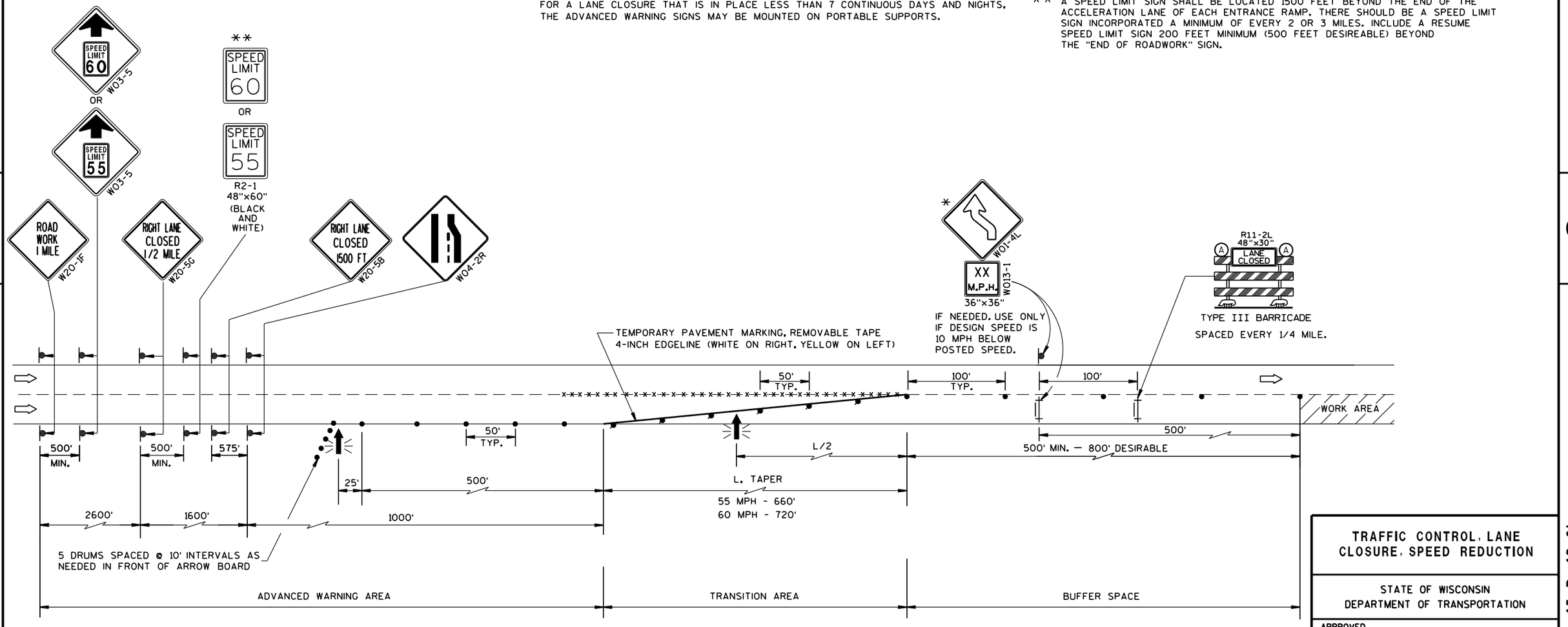
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

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

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

** A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIREABLE) BEYOND THE "END OF ROADWORK" SIGN.



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

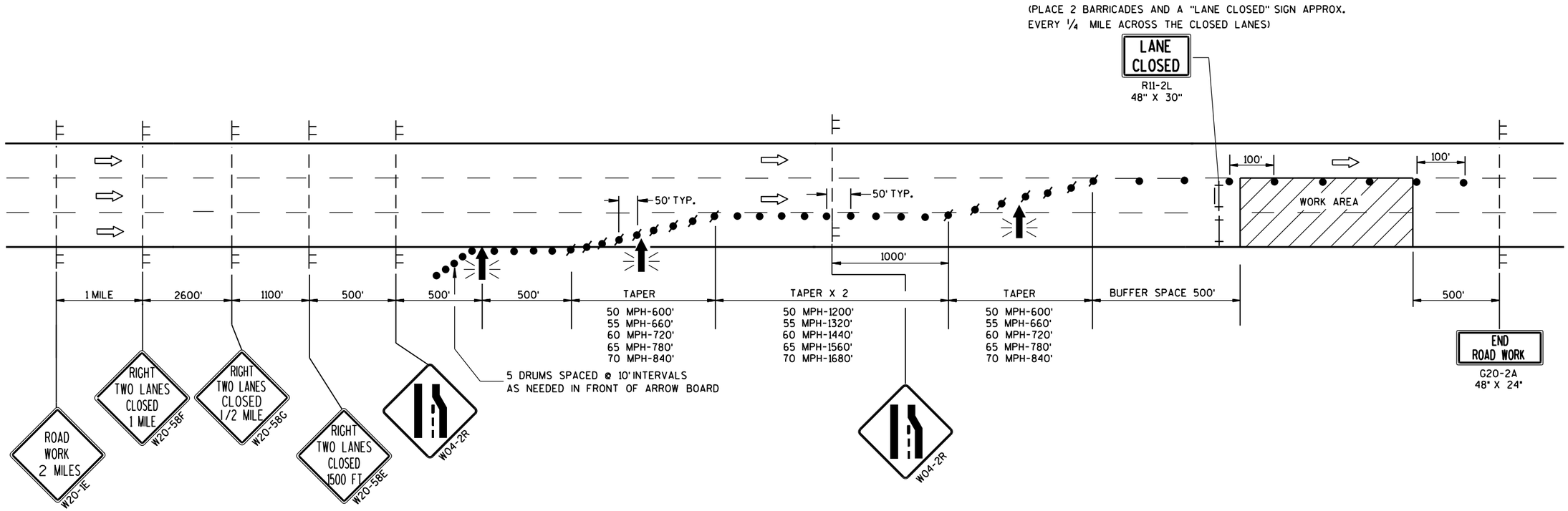
APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

6

S.D.D. 15 D 12-6b

6

S.D.D. 15 D 12-6b



LEGEND

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

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.

"WO" SIGNS ARE THE SAME AS "W" SIGNS 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.

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 GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF 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 RE-ESTABLISHED 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.

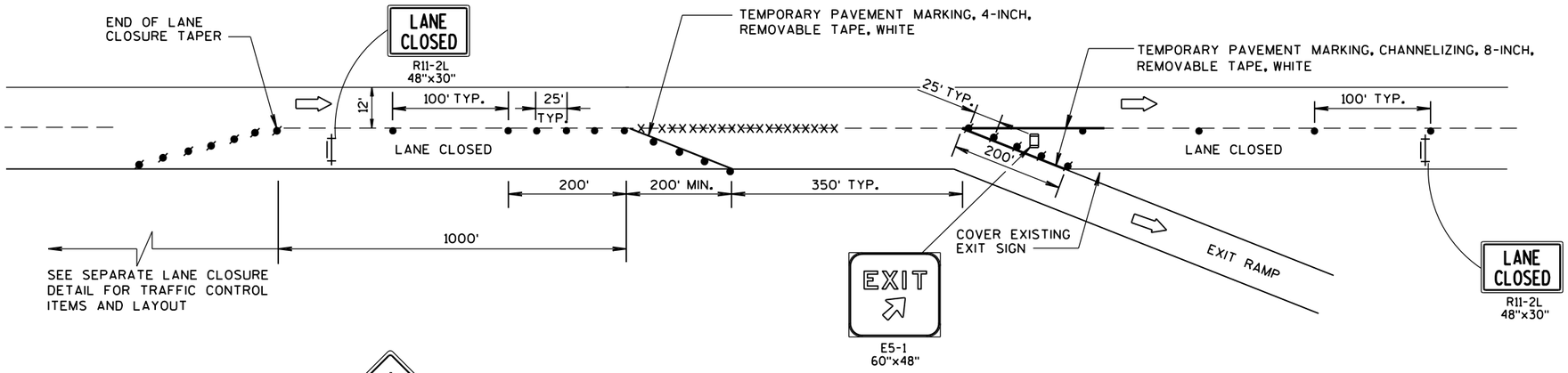
TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT TERM (LESS THAN 24 HOURS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

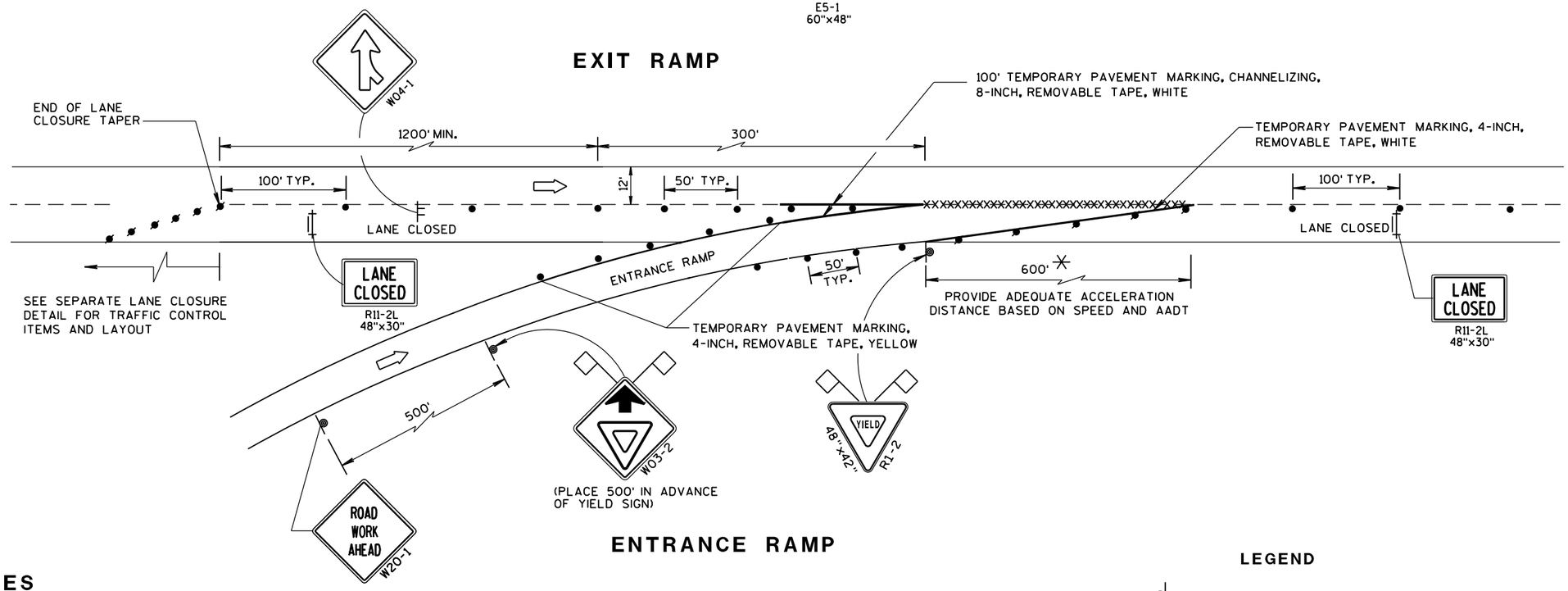
APPROVED
July 14, 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGR
FHWA

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S.D.D. 15 D 14-3



EXIT RAMP



ENTRANCE RAMP

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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"x48" UNLESS OTHERWISE NOTED.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

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.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

* LENGTH OF OPENING MAY BE REDUCED TO 150 FEET DURING STAGING OF WORK IN IMMEDIATE AREA OF RAMP TAPER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" x 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

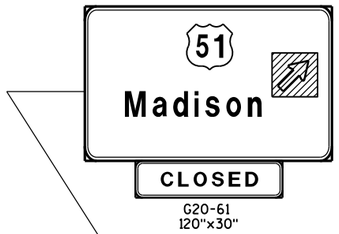
APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

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S.D.D. 15 D 15-2

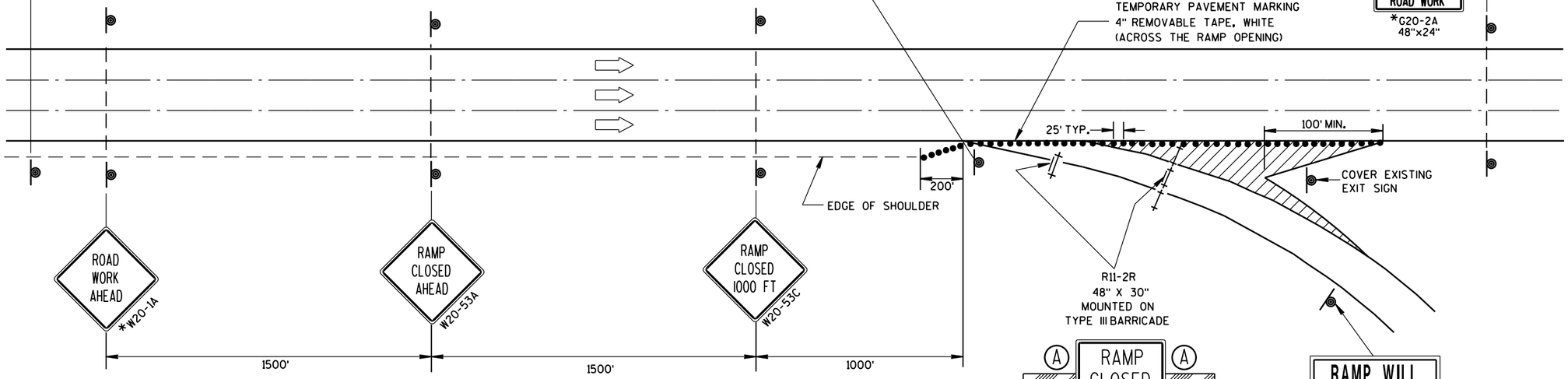


PLACE SIGN G20-60 OVER MILEAGE ON EXISTING E1-1A SIGN



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

G20-61
120"x30"



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 FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROPOFF 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 THE 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.

* W20-1 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 WILL BE CLOSED" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.

LEGEND

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

TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

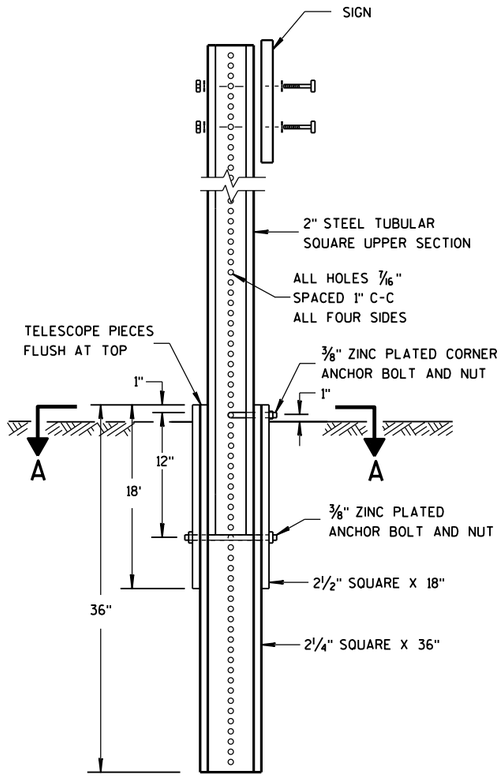
APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI — FIC
FHWA

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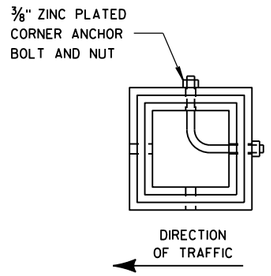
S.D.D. 15 D 16-3

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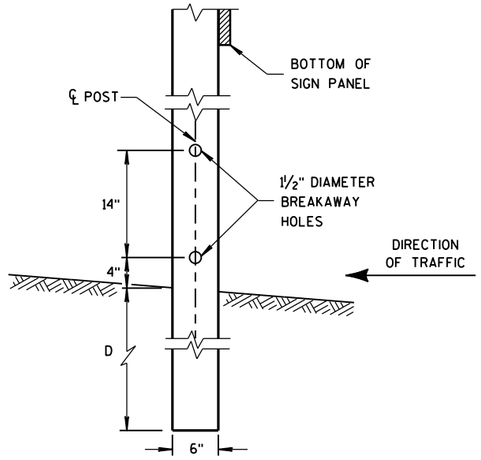
S.D.D. 15 D 16-3



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



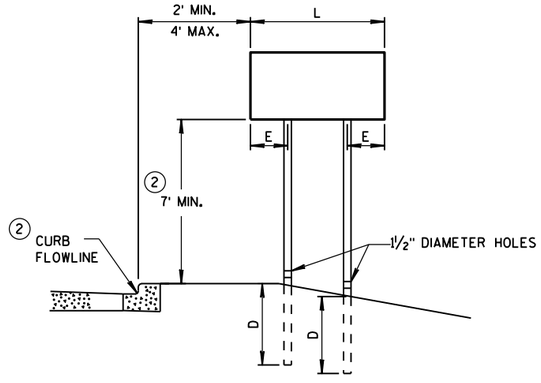
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

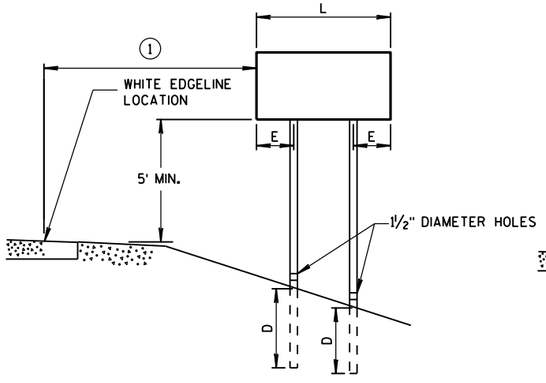
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

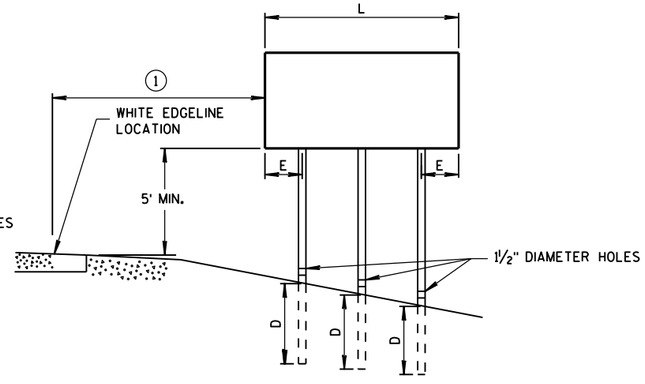
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK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

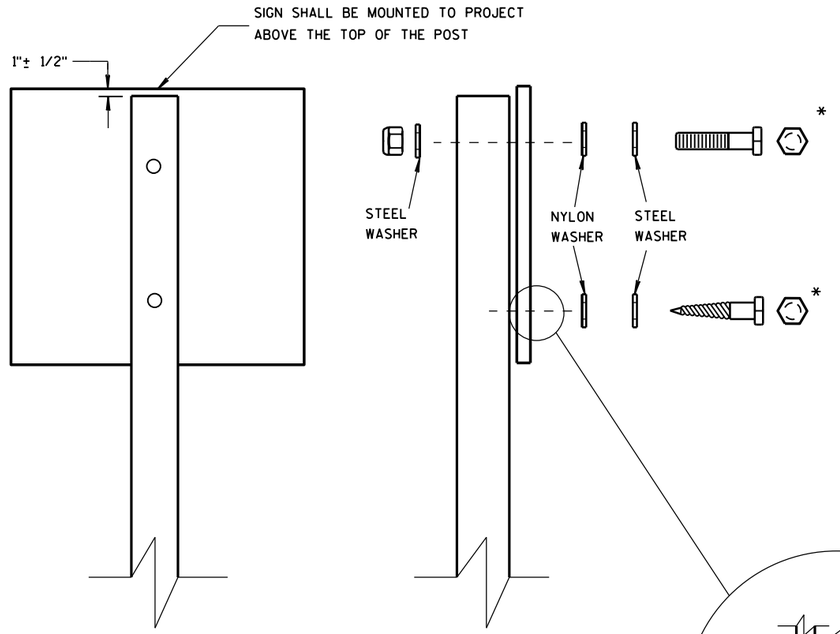
SEE NOTE (3)

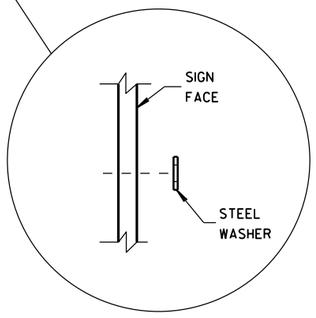
TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

STATE OF WISCONSIN DEPARTMENT OF TRANSPO

6

S.D.D. 15 D 38-1a





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 38-1b

S.D.D. 15 D 38-1b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Feb. 2015 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER

FHWA

SIGN

FIXED MESSAGE SIGNS (DETAILS SHEET)

GENERAL NOTES:

1. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE PROJECT ENGINEER SHALL VERIFY EACH SIGN LOCATION.

2. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6") (FREEWAY) OR TUBULAR. STEEL POSTS OR 4X6 WOOD POSTS (NON FREEWAY). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN.

3. SIGNS TO BE PAID FOR UNDER THE ITEM "FIXED MESSAGE SIGNS."

4. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE FLUORESCENT REFLECTIVE BACKGROUND PER SPEC 643 & 637.

5. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERICALS:
   12" CAPS SHALL BE SERIES "D"
   8" CAPS SHALL BE SERIES "C" - UNLESS OTHERWISE SHOWN
   6" CAPS SHALL BE SERIES "C" - UNLESS OTHERWISE SHOWN

6. ALL SIGNS SHALL HAVE BOARDER & RADIUS OF BOARDERS AS FOLLOWS:

SIGN AREA	WIDTH OF BOARDER
GREATER THAN 150 SQ FT	3"
60-150 SQ FT	2"
LESS THAN 60 SQ FT	1"

RADIUS SMALLEST OUTSIDE DIMENSION	CORNER RADIUS
> 8 FT	12"
≥ 6 FT	9"
≥ 4 FT	6"
LESS THAN 4 FT	3"

7. BEGIN XXX XX SIGNS SHALL BE SEPARATE PANELS, BUT SHALL BE CONSIDERED AS PART OF THE SIGN AND SHOULD BE REMOVED OR COVERED AFTER THEIR EFFECTIVE DATE. THE MOUTH AND DAY SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD.

8. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 643 & 637.

LEGEND: FIXED MESSAGE SIGNS

- EXISTING GUIDE SIGN TO BE COVERED
- FIXED MESSAGE SIGN(S) ON WOOD POST SUPPORTS OR TUBULAR STEEL POSTS
- (FM-XX) FIXED MESSAGE SIGN NUMBER
- (A1) CONTRACTOR SHALL COVER AS DIRECTED BY THE ENGINEER ALL ROUTE MARKINGS PERTAINING TO THE PROJECT. INCIDENTAL TO WORK ZONE TRAFFIC CONTROL SIGNING.
- [MB] PORTABLE CHANGEABLE MESSAGE BOARD

NOTES: FIXED MESSAGE SIGNS

1. CONTRACTOR SHOULD LOCATE FIXED MESSAGE SIGNS A MINIMUM OF 400' FROM ANY EXISTING TYPE "I" SIGN.

2. ALL FIXED MESSAGE SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE FLORESCENT REFLECTIVE BACKGROUND PER SPEC 643 & 637.

3. SEE FIXED MESSAGE SIGNS AND SPECIAL MESSAGE SIGNS LAYOUT SHEETS FOR MORE INFORMATION.

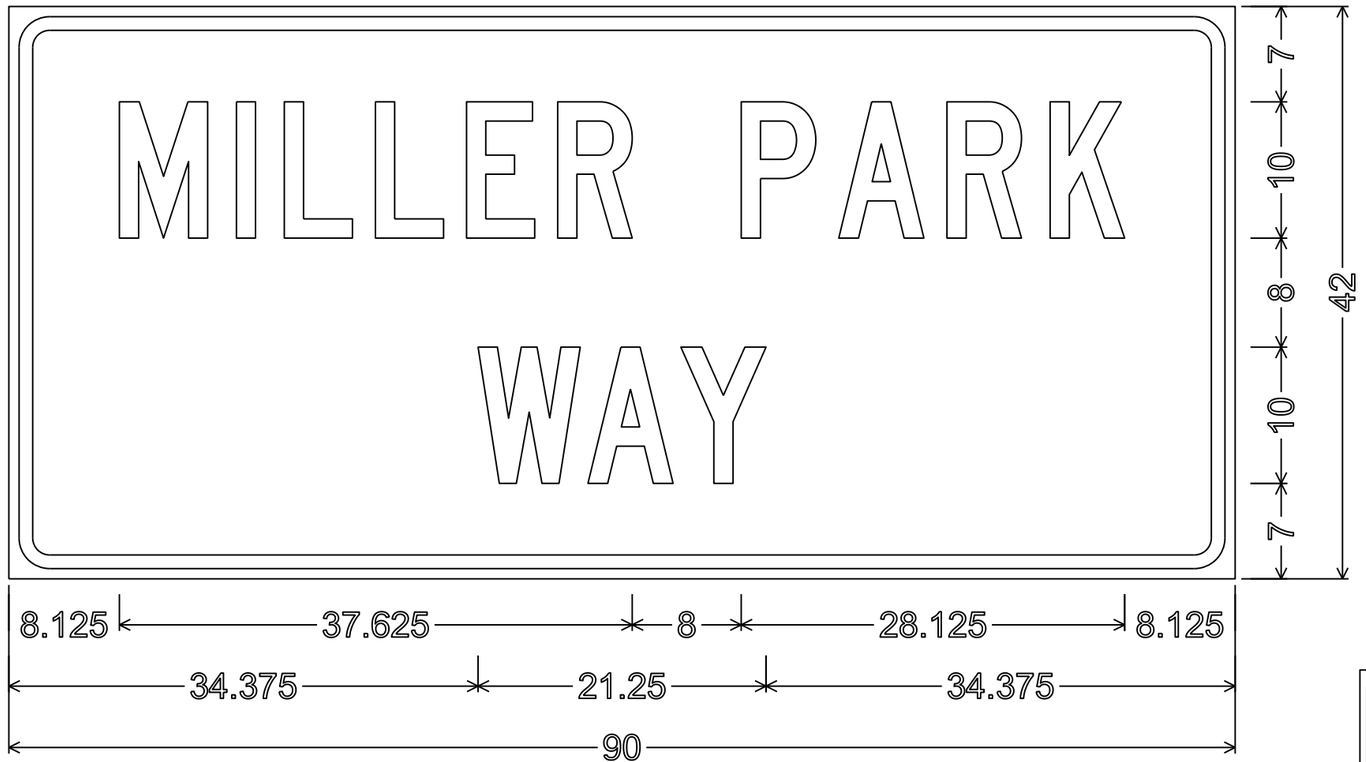
4. COVER DETOUR SIGNING WHEN NOT IN USE, INCIDENTAL TO WORK ZONE TRAFFIC CONTROL SIGNING.

7

7

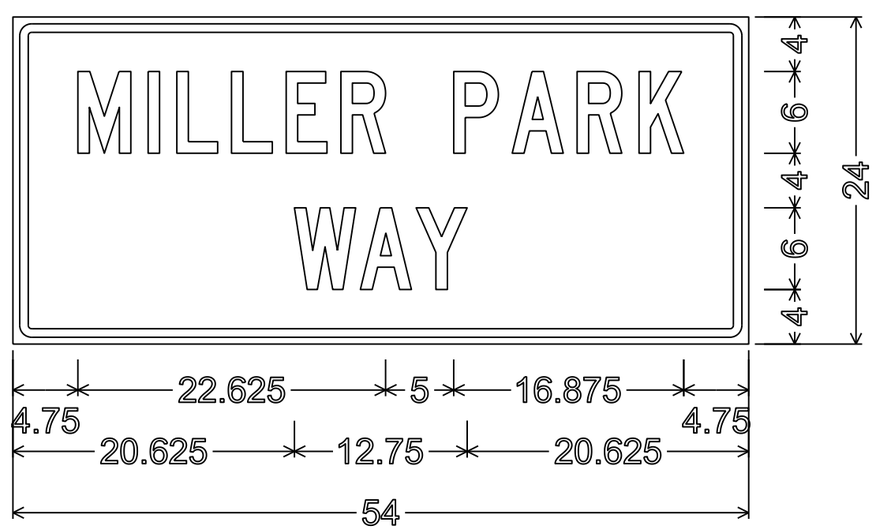
NOTES

1. All Signs Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C



3.000" Radius, 1.000" Border, 0.750" Indent

FM-01



1.375" Radius, 0.625" Border, 0.500" Indent

FM-02

7

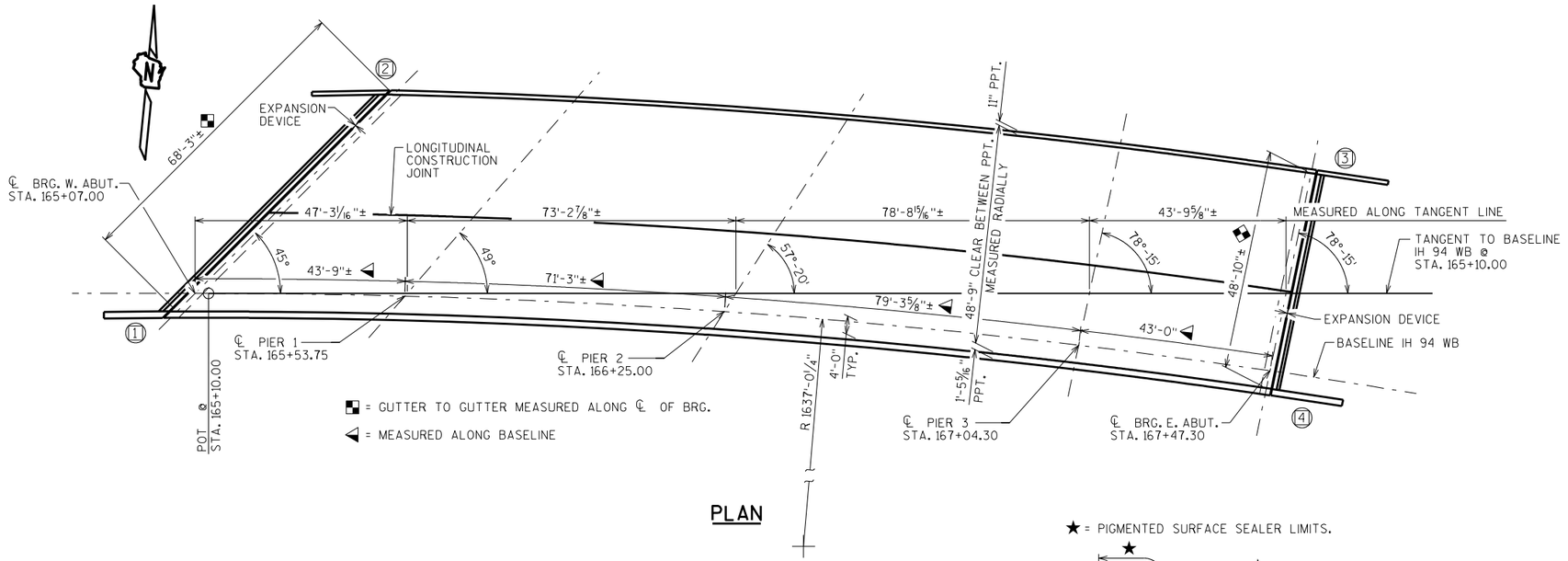
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PROJECT NO: 1030-06-74	HWY: IH 94	COUNTY: MILWAUKEE/RACINE	TEMPORARY SIGNING	SHEET NO: 89	E

STATE PROJECT NUMBER

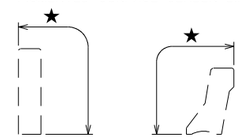
1030-06-74

INDICATES WING NUMBER



PLAN

★ = PIGMENTED SURFACE SEALER LIMITS.



SURFACE SEALER LIMITS DETAIL

LOOKING NORTH

DESIGN DATA

LIVE LOAD:

INVENTORY RATING: HS-17
OPERATIONAL RATING: HS- 29
MAXIMUM STANDARD PERMIT VEHICLE LOAD: 190 (KIPS)

MATERIAL PROPERTIES:

CONCRETE SURFACE REPAIR —— f'c = 3,500 P.S.I.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING ORIGINAL STRUCTURE PLANS.

REMOVE ANY/ALL LOOSE CONCRETE AT PARAPETS UNDER THE BID ITEM "CONCRETE SURFACE REPAIR". SURFACES SHALL BE BLAST CLEANED AND ANY EXPOSED STEEL SHALL BE BRUSHED CLEAN PRIOR TO THE CONCRETE SURFACE REPAIR BEING COMPLETED. REPAIR AREAS TO BE DETERMINED BY THE ENGINEER.

APPLY A POLYMER OVERLAY TO THE ENTIRE EXISTING BRIDGE DECK.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND TOP OF EXISTING PARAPETS INCLUDING EXISTING ABUTMENT WINGS.

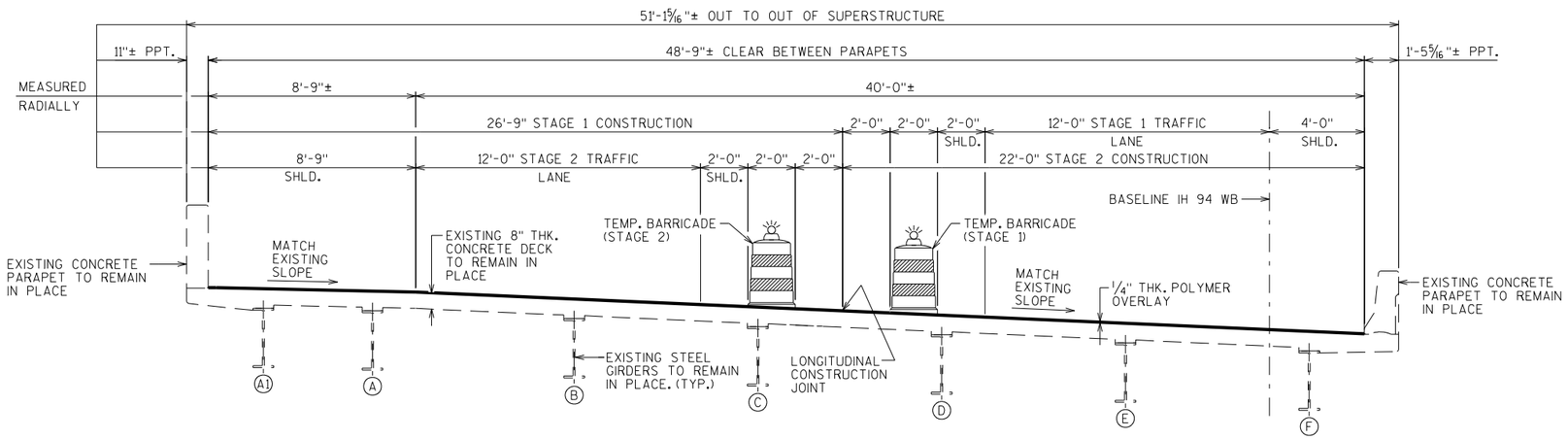
TRAFFIC VOLUME

IH 94 WB
A.D.T.= 60,800 (2037)
R.D.S.= 60 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	DESCRIPTION	TOTAL	UNITS
502.3210	PIGMENTED SURFACE SEALER	229	SY
509.0301	PREPARATION DECKS TYPE 1	2	SY
509.0302	PREPERATION DECKS TYPE 2	1	SY
509.1500	CONCRETE SURFACE REPAIR	5	SF
509.5100.S	POLYMER OVERLAY	1,244	SY

ALL ITEMS ARE CATEGORY 2000



CROSS SECTION THRU ROADWAY - LOOKING EAST

STRUCTURE DESIGN CONTACT:
DANIELLE DE TENNIS (608) 266-8689
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 1/18/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-40-42

IH 94 WB OVER STH 175 NB

COUNTY MILWAUKEE | ~~TOWN~~/CITY/~~VILLAGE~~ MILWAUKEE

DESIGN SPEC. REHABITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KCY	BCL	DDS	DFD

POLYMER OVERLAY

SHEET 1 OF 1

90

I.D. 1030-06-04A

DATE: SEPT. 2016

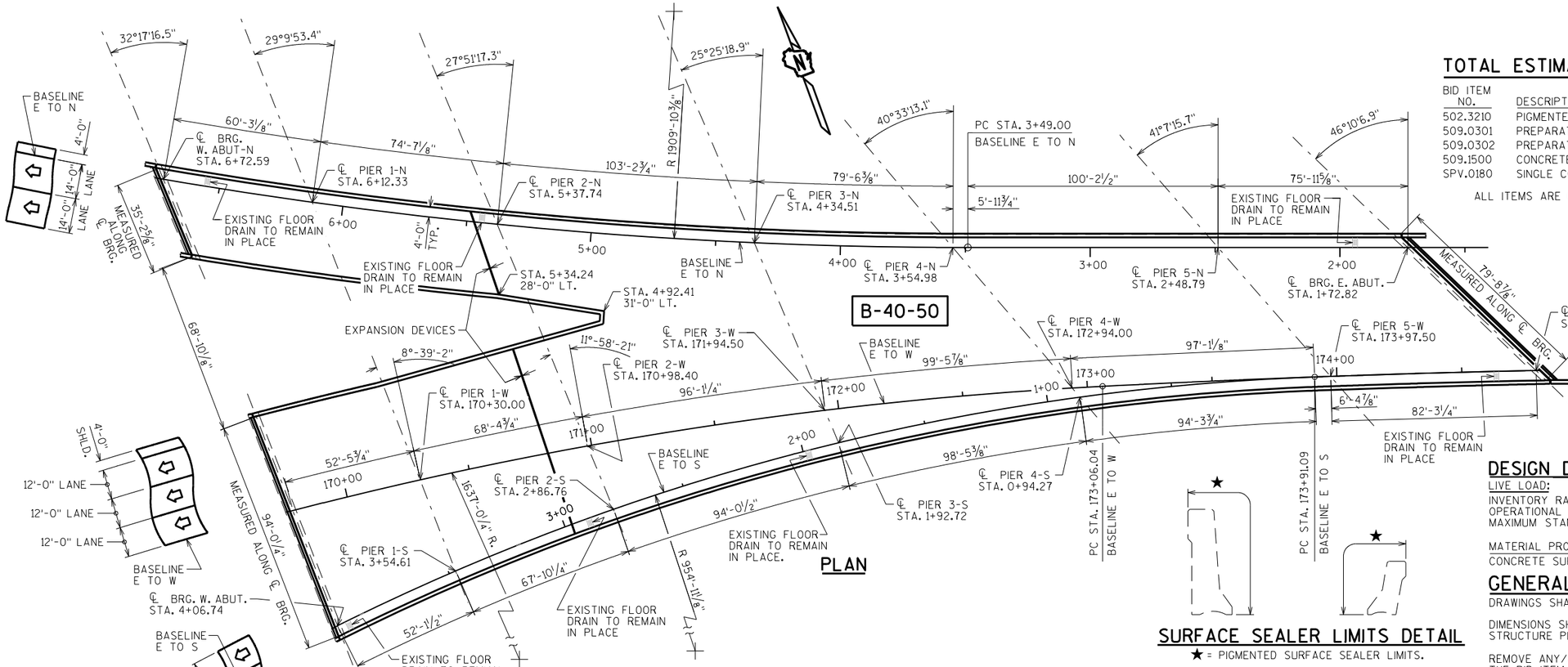
SCALE = 15

8

8

STATE PROJECT NUMBER

1030-06-74



TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	DESCRIPTION	TOTAL	UNITS
502.3210	PIGMENTED SURFACE SEALER	600	SY
509.0301	PREPARATION DECKS TYPE 1	6	SY
509.0302	PREPARATION DECKS TYPE 2	1	SY
509.1500	CONCRETE SURFACE REPAIR	5	SF
SPV.0180	SINGLE COURSE POLYMER OVERLAY	4,810	SY

ALL ITEMS ARE CATEGORY 2010

TRAFFIC VOLUME

IH 94 WB
A.D.T.= 85,600 (2037)
R.D.S.= 60 M.P.H.

DESIGN DATA

LIVE LOAD:
INVENTORY RATING: HS-21
OPERATIONAL RATING: HS- 35
MAXIMUM STANDARD PERMIT VEHICLE LOAD: 190 (KIPS)

MATERIAL PROPERTIES:
CONCRETE SURFACE REPAIR —— f'c = 3,500 P.S.I.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING 1997 RE-DECK STRUCTURE PLANS.

REMOVE ANY/ALL LOOSE CONCRETE AT PARAPETS UNDER THE BID ITEM "CONCRETE SURFACE REPAIR". SURFACES SHALL BE BLAST CLEANED AND ANY EXPOSED STEEL SHALL BE BRUSHED CLEAN PRIOR TO THE CONCRETE SURFACE REPAIR BEING COMPLETED. REPAIR AREAS TO BE DETERMINED BY THE ENGINEER.

APPLY A POLYMER OVERLAY TO THE ENTIRE EXISTING BRIDGE DECK.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND TOP OF EXISTING PARAPETS INCLUDING PARAPETS ON ABUTMENT WINGS.

EXISTING FLOOR DRAINS SHALL REMAIN IN PLACE.

STRUCTURAL DESIGN CONTACT:
DANIELLE DE TENNIS (608) 266-8689
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES
ACCEPTED William C. Dreher LLS — CHIEF STRUCTURES DESIGN ENGINEER — 1/18/17 DATE

STRUCTURE B-40-50

IH 94 WB - STADIUM INTERCHANGE - WB VIADUCT

COUNTY: MILWAUKEE — ~~TOWN~~/CITY/~~VILLAGE~~: MILWAUKEE

DESIGN SPEC.: REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KCY	BCL	DDS	DFD

POLYMER OVERLAY

SHEET 1 OF 1

91

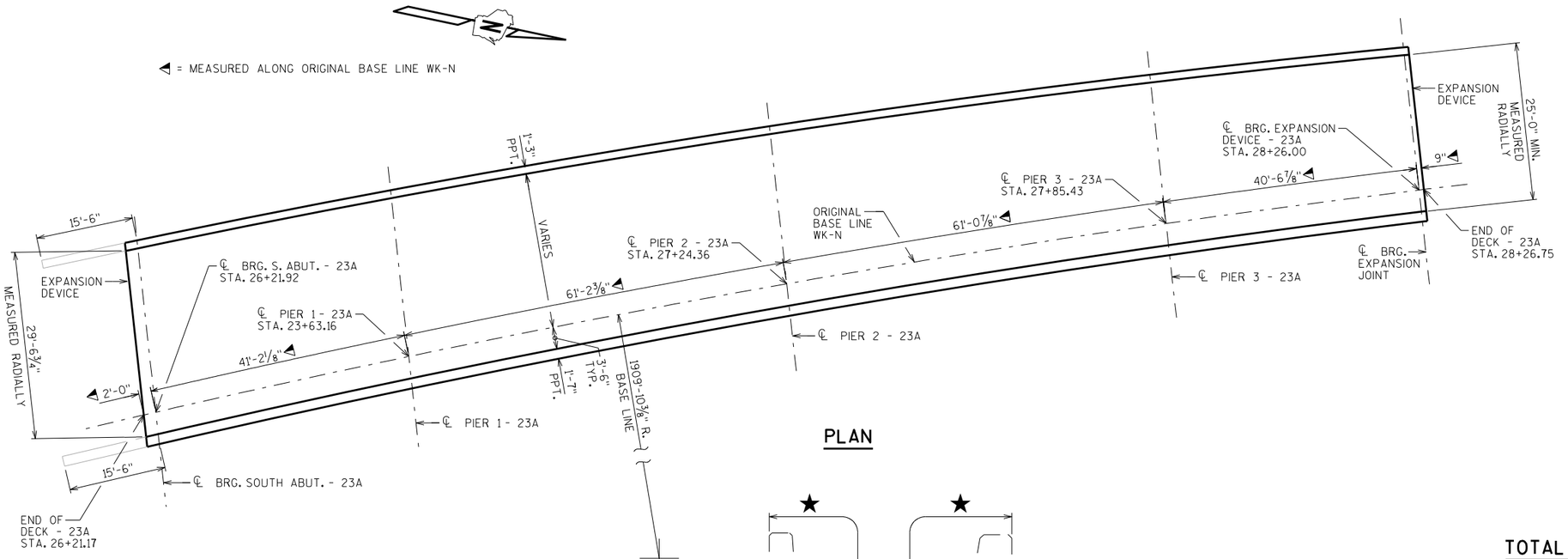
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I.D. 1030-06-04B

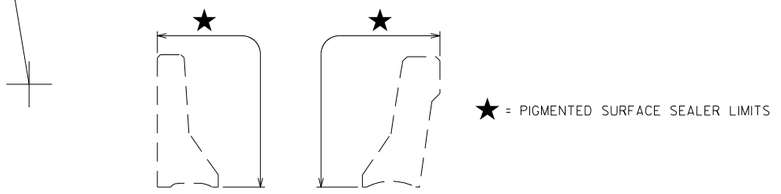
DATE: **SEPT. 2016**

STATE PROJECT NUMBER

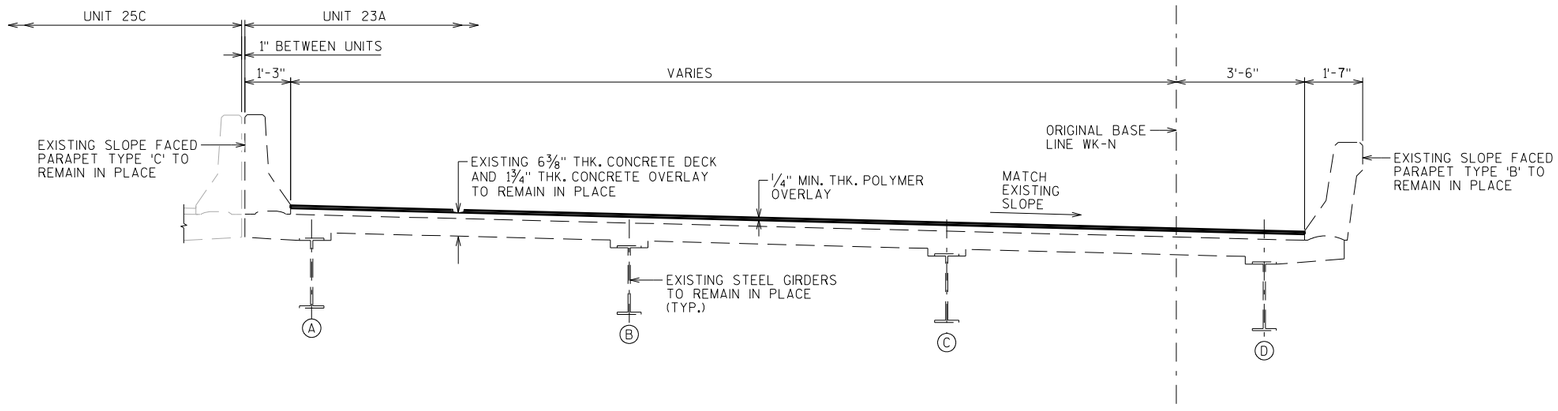
1030-06-74



PLAN



SURFACE SEALER LIMITS DETAIL



CROSS SECTION THRU ROADWAY LOOKING NORTH - UNIT 23A

NO ROADWAY STAGING REQUIRED

DESIGN DATA

LIVE LOAD:
INVENTORY RATING: HS-18
OPERATIONAL RATING: HS- 30
MAXIMUM STANDARD PERMIT VEHICLE LOAD: 190 (KIPS)

MATERIAL PROPERTIES:

CONCRETE SURFACE REPAIR —— f'c = 3,500 P.S.I.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING 1987 RE-DECK STRUCTURE PLANS.

REMOVE ANY/ALL LOOSE CONCRETE AT PARAPETS UNDER THE BID ITEM "CONCRETE SURFACE REPAIR". SURFACES SHALL BE BLAST CLEANED AND ANY EXPOSED STEEL SHALL BE BRUSHED CLEAN PRIOR TO THE CONCRETE SURFACE REPAIR BEING COMPLETED. REPAIR AREAS TO BE DETERMINED BY THE ENGINEER.

APPLY A POLYMER OVERLAY TO THE ENTIRE EXISTING BRIDGE DECK.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND TOP OF EXISTING PARAPETS INCLUDING ABUTMENT WING PARAPETS.

TRAFFIC VOLUME

RAMP-MINERAL ST./IH 94 WB
A.D.T.= 6,500 (2037)
R.D.S.= 55 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	DESCRIPTION	TOTAL	UNITS
502.3210	PIGMENTED SURFACE SEALER	172	SY
509.5100.S	POLYMER OVERLAY	630	SY

ALL ITEMS ARE CATEGORY 2020

STRUCTURE DESIGN CONTACT:
DANIELLE DE TENNIS (608) 266-8689
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher WI 1/18/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-40-285-23A

RAMP-MINERAL ST./IH 94 WB OVER RAMP-STH 59

COUNTY	TOWN/CITY/VILLAGE
MILWAUKEE	MILWAUKEE

DESIGN SPEC.	
REHABILITATION	N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KCY	BCL	DDS	DFD

POLYMER OVERLAY

SHEET 1 OF 1

92

I.D. 1030-06-04C

DATE: **SEPT. 2016**

SCALE = 10

8

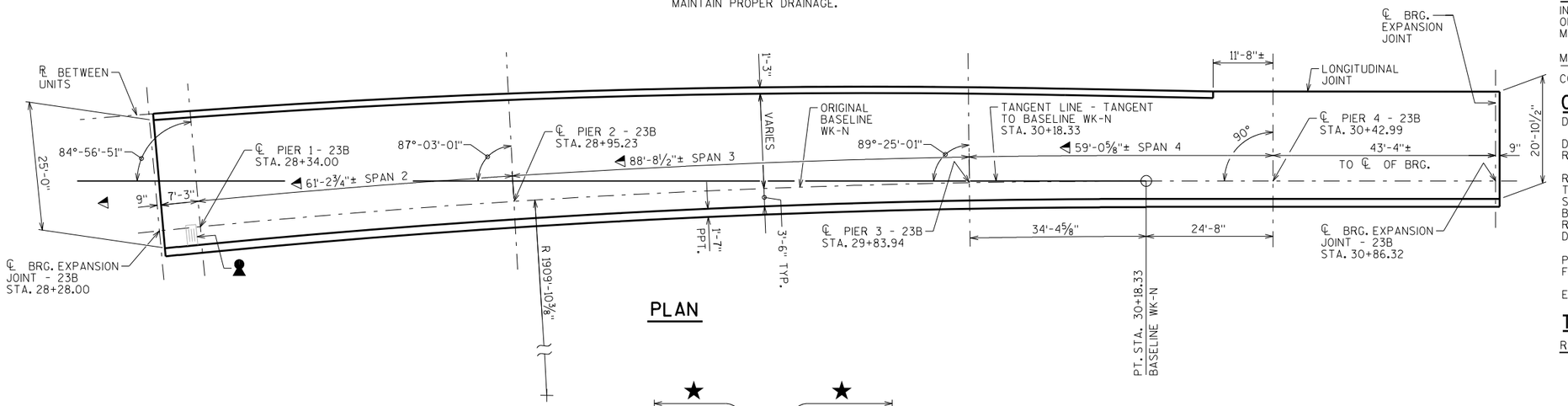
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STATE PROJECT NUMBER

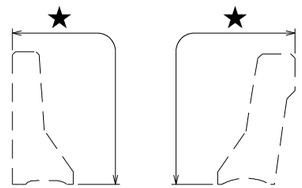
1030-06-74

◁ = MEASURED ALONG ORIGINAL BASELINE WK-N

= EXISTING FLOOR DRAIN TO REMAIN IN PLACE. TAPER OVERLAY AT DRAIN LOCATIONS TO MAINTAIN PROPER DRAINAGE.



PLAN



★ = PIGMENTED SURFACE SEALER LIMITS

SURFACE SEALER LIMITS DETAIL

DESIGN DATA

LIVE LOAD:

INVENTORY RATING: HS-23
OPERATIONAL RATING: HS- 39
MAXIMUM STANDARD PERMIT VEHICLE LOAD: 190 (KIPS)

MATERIAL PROPERTIES:

CONCRETE SURFACE REPAIR —— f'c = 3,500 P.S.I.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING 1987 RE-DECK STRUCTURE PLANS.

REMOVE ANY/ALL LOOSE CONCRETE AT PARAPETS UNDER THE BID ITEM "CONCRETE SURFACE REPAIR". SURFACES SHALL BE BLAST CLEANED AND ANY EXPOSED STEEL SHALL BE BRUSHED CLEAN PRIOR TO THE CONCRETE SURFACE REPAIR BEING COMPLETED. REPAIR AREAS TO BE DETERMINED BY THE ENGINEER.

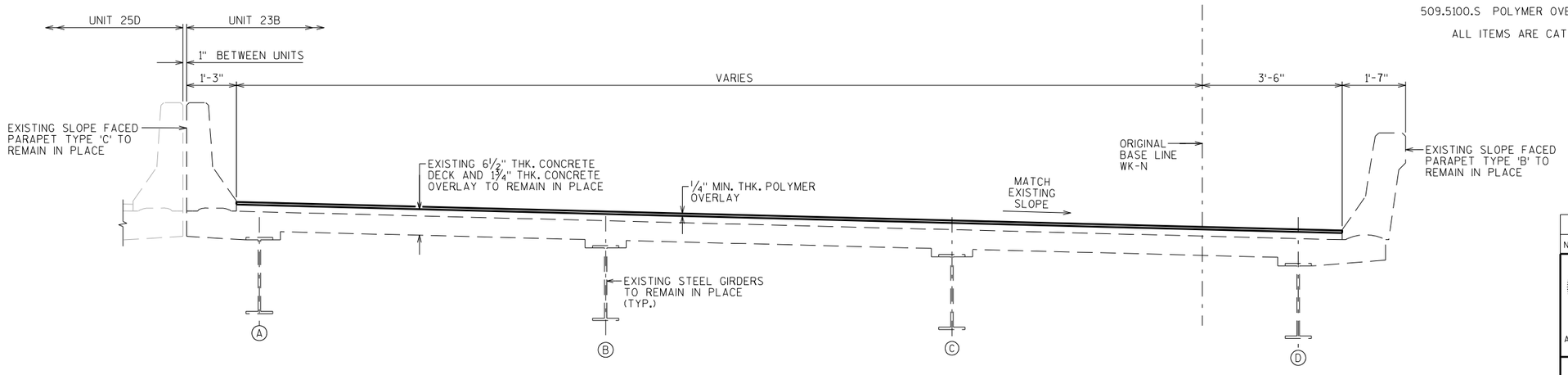
PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND TOP OF EXISTING PARAPETS.

EXISTING FLOOR DRAIN SHALL REMAIN IN PLACE.

TRAFFIC VOLUME

RAMP-MINERAL ST./IH 94 WB

A.D.T.= 6,500 (2037)
R.D.S.= 55 M.P.H.



CROSS SECTION THRU ROADWAY LOOKING NORTH - UNIT 23A

NO ROADWAY STAGING REQUIRED

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	DESCRIPTION	TOTAL	UNITS
502.3210	PIGMENTED SURFACE SEALER	186	SY
509.5100.S	POLYMER OVERLAY	639	SY

ALL ITEMS ARE CATEGORY 2030

STRUCTURE DESIGN CONTACT:
DANIELLE DE TENNIS (608) 266-8689
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS — CHIEF STRUCTURES DESIGN ENGINEER — 1/18/17 DATE

STRUCTURE B-40-285-23B

RAMP MINERAL ST./IH 94 OVER STH 59

COUNTY MILWAUKEE | ~~TOWN~~/CITY/~~VILLAGE~~ MILWAUKEE

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KCY	BCL	DDS	DFD

POLYMER OVERLAY

SHEET 1 OF 1

93

8

8

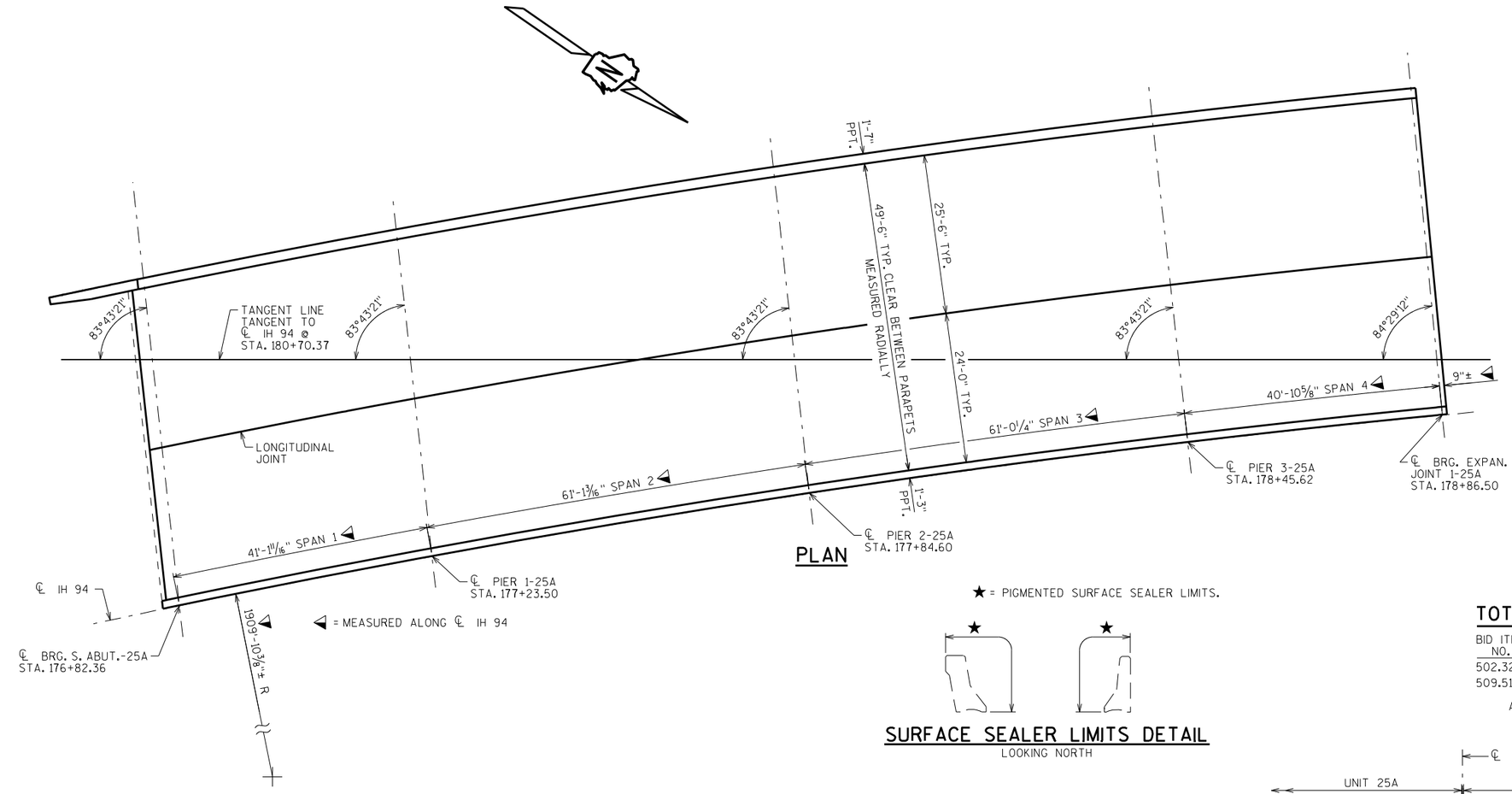
SCALE = 12

I.D. 1030-06-04D

DATE: SEPT. 2016

STATE PROJECT NUMBER

1030-06-74

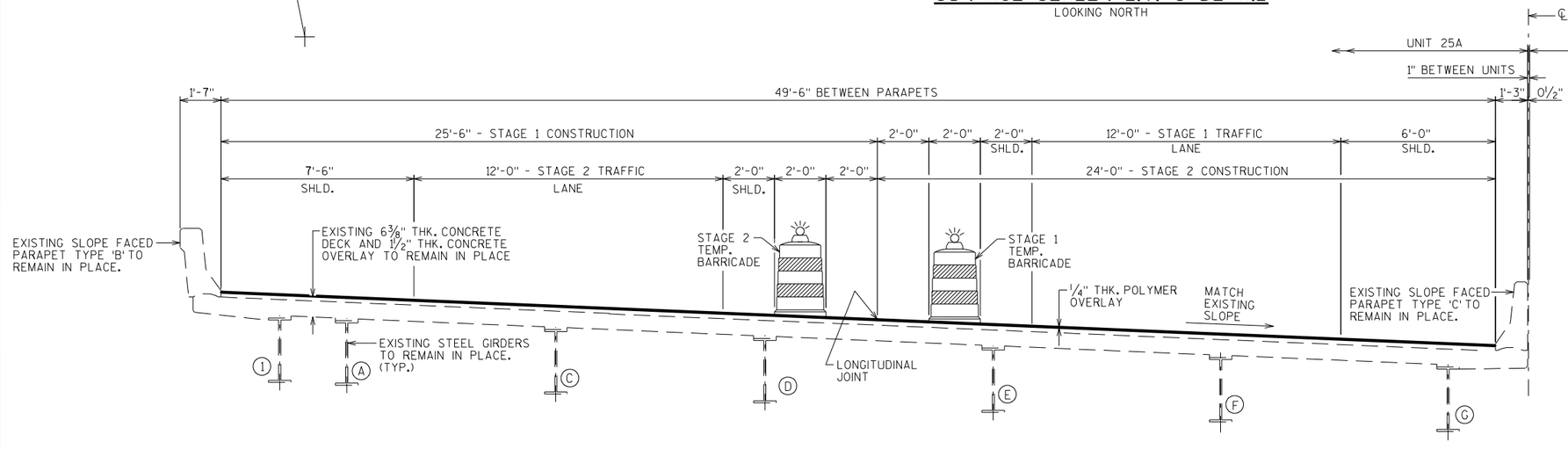


PLAN

★ = PIGMENTED SURFACE SEALER LIMITS.

SURFACE SEALER LIMITS DETAIL

LOOKING NORTH



CROSS SECTION THRU ROADWAY LOOKING NORTH - UNIT 25A

ALL CROSS SECTION DIMENSIONS ARE MEASURED RADIALLY

DESIGN DATA

LIVE LOAD:
INVENTORY RATING: HS-21
OPERATIONAL RATING: HS- 35
MAXIMUM STANDARD PERMIT VEHICLE LOAD: 190 (KIPS)

MATERIAL PROPERTIES:

CONCRETE SURFACE REPAIR —— f'c = 3,500 P.S.I.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING 1988 RE-DECK STRUCTURE PLANS.

REMOVE ANY/ALL LOOSE CONCRETE AT PARAPETS UNDER THE BID ITEM "CONCRETE SURFACE REPAIR". SURFACES SHALL BE BLAST CLEANED AND ANY EXPOSED STEEL SHALL BE BRUSHED CLEAN PRIOR TO THE CONCRETE SURFACE REPAIR BEING COMPLETED. REPAIR AREAS TO BE DETERMINED BY THE ENGINEER.

APPLY A POLYMER OVERLAY TO THE ENTIRE EXISTING BRIDGE DECK.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND TOP OF EXISTING PARAPETS INCLUDING ABUTMENT WING PARAPET.

TRAFFIC VOLUME

IH 94EB/IH 43 SB
A.D.T.= 86,900 (2037)
R.D.S.= 55 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	DESCRIPTION	TOTAL	UNITS
502.3210	PIGMENTED SURFACE SEALER	166	SY
509.5100.S	POLYMER OVERLAY	1,140	SY

ALL ITEMS ARE CATEGORY 2040

STRUCTURE DESIGN CONTACT:
DANIELLE DE TENNIS (608) 266-8689
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS — CHIEF STRUCTURES DESIGN ENGINEER — 1/18/17 DATE

STRUCTURE B-40-285-25A

IH 94 EB/IH 43 SB OVER RAMP-WALKER ST./IH 94

COUNTY	TOWN/CITY/VILLAGE
MILWAUKEE	MILWAUKEE

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KCY	BCL	DDS	DFD

POLYMER OVERLAY

SHEET 1 OF 1

94

I.D. 1030-06-04E

DATE: SEPT. 2016

8

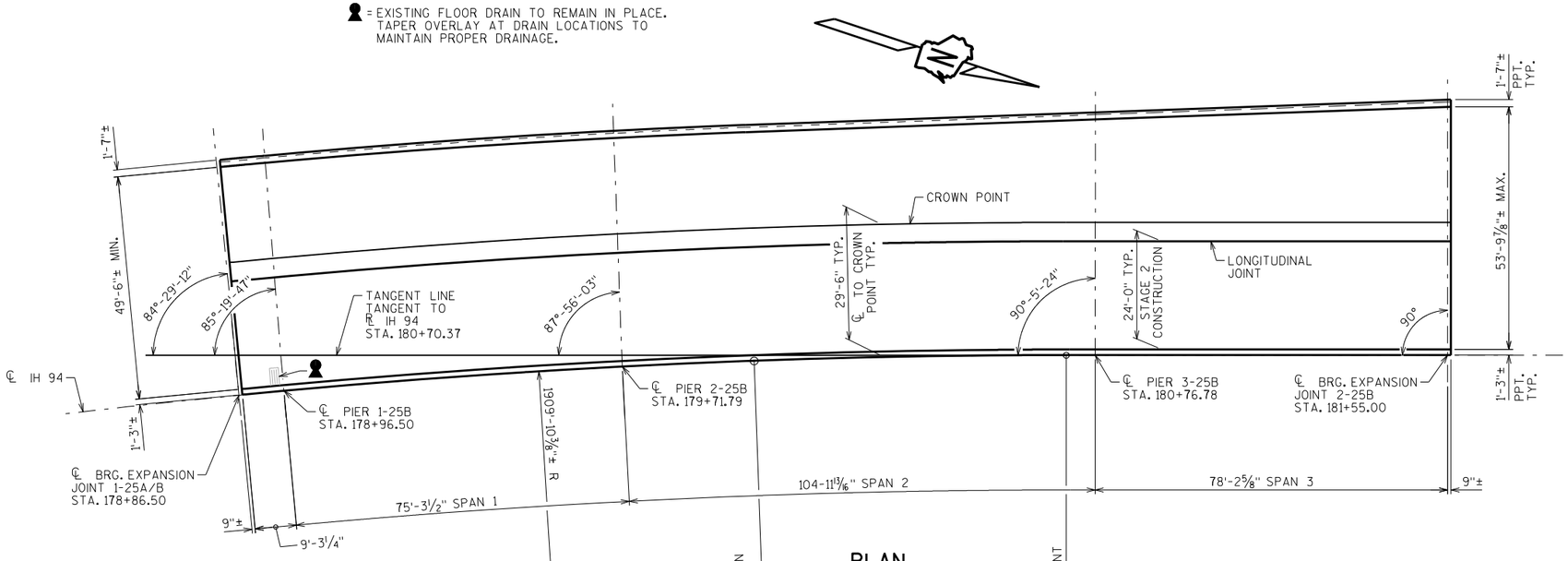
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SCALE = 10

STATE PROJECT NUMBER

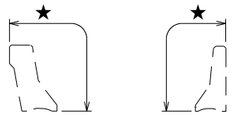
1030-06-74

= EXISTING FLOOR DRAIN TO REMAIN IN PLACE. TAPER OVERLAY AT DRAIN LOCATIONS TO MAINTAIN PROPER DRAINAGE.



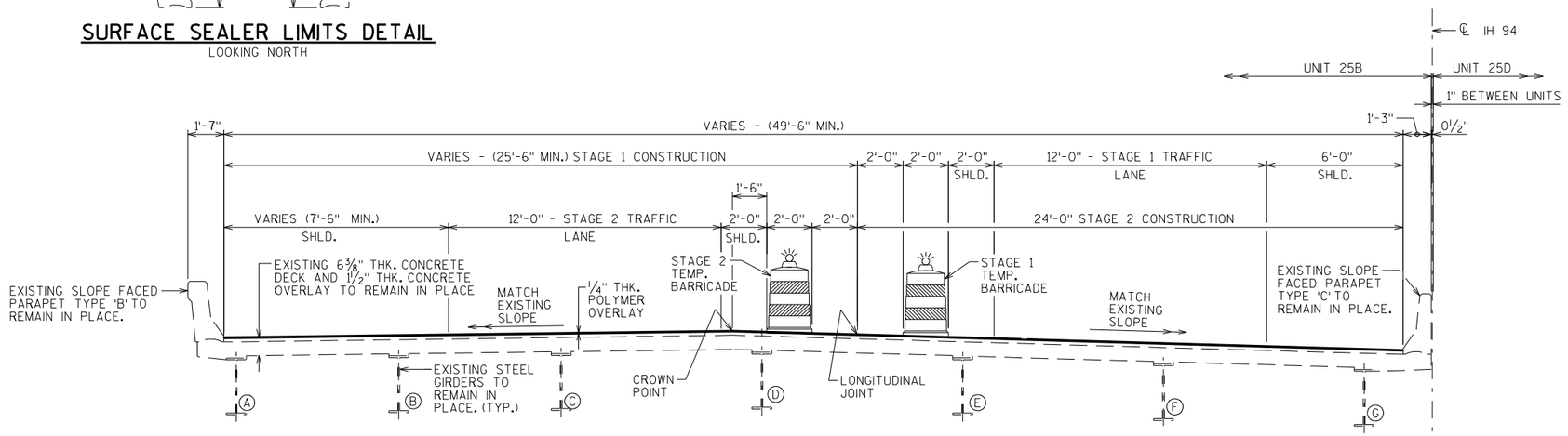
PLAN

★ = PIGMENTED SURFACE SEALER LIMITS.



SURFACE SEALER LIMITS DETAIL

LOOKING NORTH



CROSS SECTION THRU ROADWAY LOOKING NORTH - UNIT 25B

ALL CROSS SECTION DIMENSIONS ARE MEASURED RADIALLY

DESIGN DATA

LIVE LOAD:
INVENTORY RATING: HS-25
OPERATIONAL RATING: HS- 41
MAXIMUM STANDARD PERMIT VEHICLE LOAD: 190 (KIPS)

MATERIAL PROPERTIES:

CONCRETE SURFACE REPAIR —— f'c = 3,500 P.S.I.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING 1988 RE-DECK STRUCTURE PLANS.

REMOVE ANY/ALL LOOSE CONCRETE AT PARAPETS UNDER THE BID ITEM "CONCRETE SURFACE REPAIR". SURFACES SHALL BE BLAST CLEANED AND ANY EXPOSED STEEL SHALL BE BRUSHED CLEAN PRIOR TO THE CONCRETE SURFACE REPAIR BEING COMPLETED. REPAIR AREAS TO BE DETERMINED BY THE ENGINEER.

APPLY A POLYMER OVERLAY TO THE ENTIRE EXISTING BRIDGE DECK.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND TOP OF EXISTING PARAPETS.

EXISTING FLOOR DRAINS SHALL REMAIN IN PLACE.

TRAFFIC VOLUME

IH 94EB/IH 43 SB
A.D.T.= 86,900 (2037)
R.D.S.= 55 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	DESCRIPTION	TOTAL	UNITS
502.3210	PIGMENTED SURFACE SEALER	211	SY
509.5100.S	POLYMER OVERLAY	1,520	SY

ALL ITEMS ARE CATEGORY 2050

STRUCTURE DESIGN CONTACT:
DANIELLE DE TENNIS (608) 266-8689
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 1/18/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-40-285-25B

IH 94/IH 43 SB/IH 41 OVER STH 59

COUNTY MILWAUKEE	~~TOWN~~/CITY/~~VILLAGE~~ MILWAUKEE
DESIGN SPEC. REHABILITATION	N/A
DESIGNED BY KCY	DESIGN CK'D. BCL
DRAWN BY DDS	PLANS CK'D. DFD

POLYMER OVERLAY

SHEET 1 OF 1

95

SCALE = 15

I.D. 1030-06-04F

DATE: **SEPT. 2016**

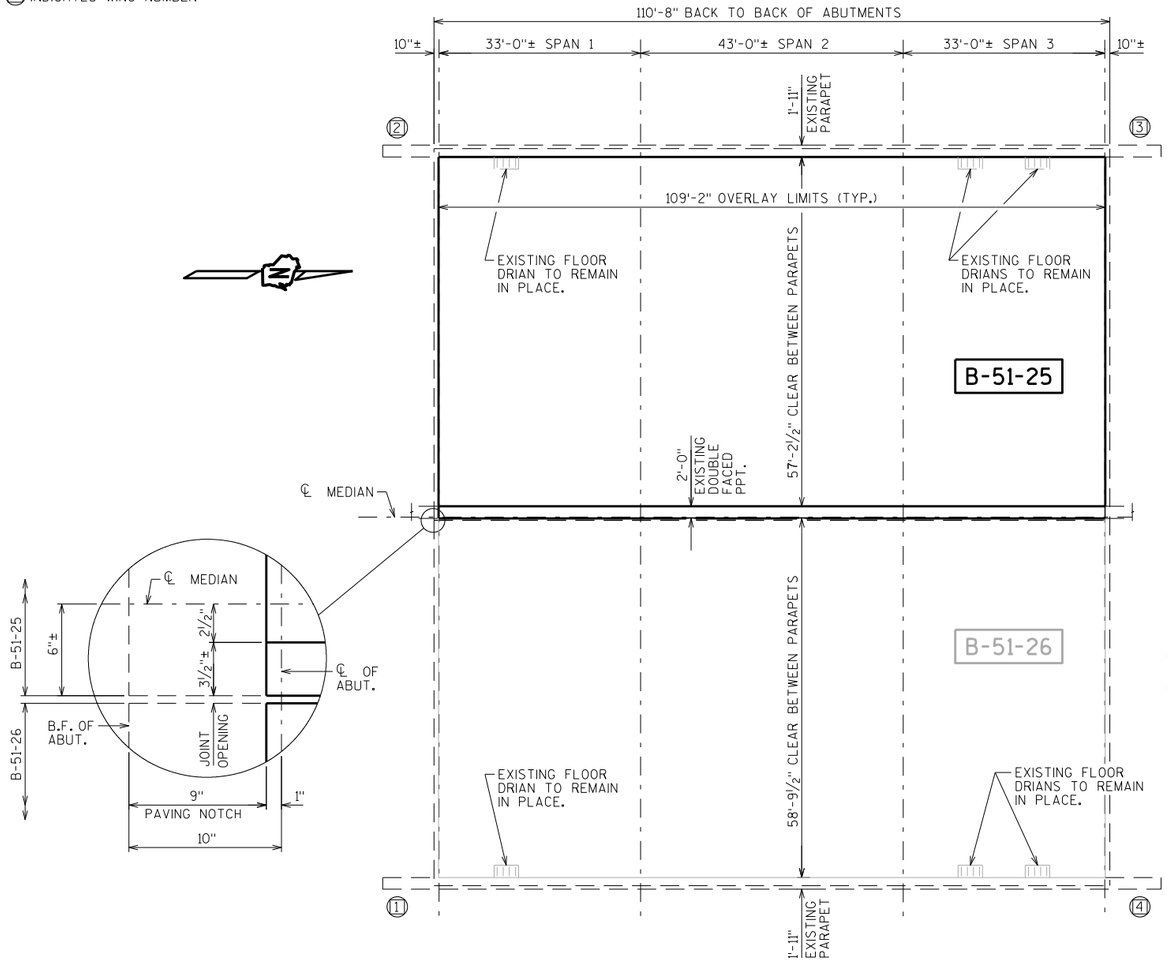
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8

STATE PROJECT NUMBER

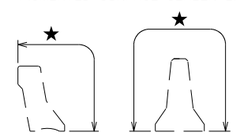
1030-06-74

INDICATES WING NUMBER



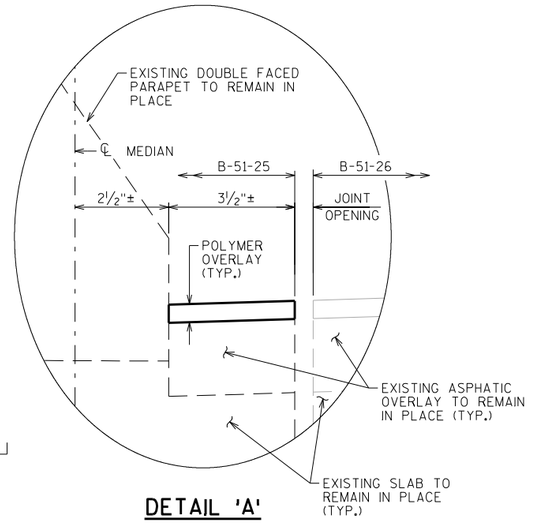
PLAN

★ = PIGMENTED SURFACE SEALER LIMITS.



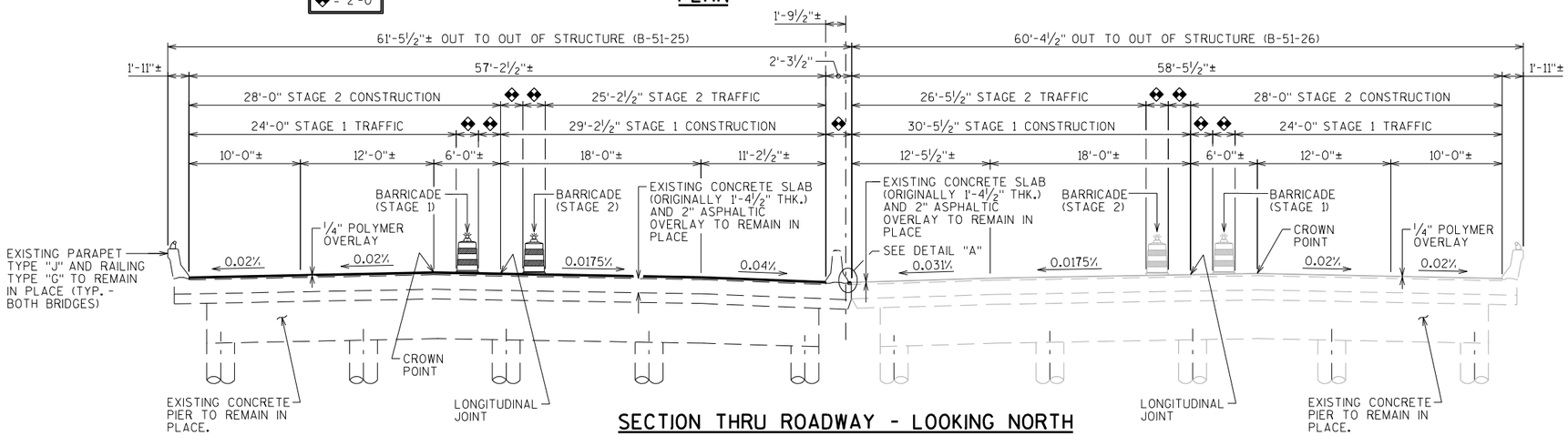
SURFACE SEALER LIMITS DETAIL

LOOKING NORTH



DETAIL 'A'

◆ = 2'-0"



SECTION THRU ROADWAY - LOOKING NORTH

DESIGN DATA

LIVE LOAD:
INVENTORY RATING: HS-11
OPERATIONAL RATING: HS- 19
MAXIMUM STANDARD PERMIT VEHICLE LOAD: 140 (KIPS)

MATERIAL PROPERTIES:

CONCRETE SURFACE REPAIR —— f'c = 3,500 P.S.I.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING ORIGINAL STRUCTURE PLANS.

REMOVE ANY/ALL LOOSE CONCRETE AT PARAPETS UNDER THE BID ITEM "CONCRETE SURFACE REPAIR". SURFACES SHALL BE BLAST CLEANED AND ANY EXPOSED STEEL SHALL BE BRUSHED CLEAN PRIOR TO THE CONCRETE SURFACE REPAIR BEING COMPLETED. REPAIR AREAS TO BE DETERMINED BY THE ENGINEER.

APPLY A POLYMER OVERLAY TO THE ENTIRE EXISTING BRIDGE DECK.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND TOP OF EXISTING PARAPETS INCLUDING PARAPETS ON ABUTMENT WINGS.

EXISTING FLOOR DRAINS SHALL REMAIN IN PLACE.

TRAFFIC VOLUME

IH 94EB/IH 43 SB
A.D.T.= 54,700 (2037)
R.D.S.= 75 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	DESCRIPTION	TOTAL	UNITS
502.3210	PIGMENTED SURFACE SEALER	138	SY
509.0301	PREPARATION DECKS TYPE 1	73	SY
509.0302	PREPERATION DECKS TYPE 2	37	SY
509.1500	CONCRETE SURFACE REPAIR	5	SF
509.5100.S	POLYMER OVERLAY	694	SY

ALL ITEMS ARE CATEGORY 2060

STRUCTURE DESIGN CONTACT:
DANIELLE DE TENNIS (608) 266-8689
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS — CHIEF STRUCTURES DESIGN ENGINEER — 1/18/17 DATE

STRUCTURE B-51-25

IH 94 EB/IH 41 SB OVER KRAUT RD.

COUNTY	TOWN ~~CITY/VILLAGE~~
RACINE	YORKVILLE

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KCY	BCL	DDS	DFD

POLYMER OVERLAY

SHEET 1 OF 1

96

8

8

SCALE = 12

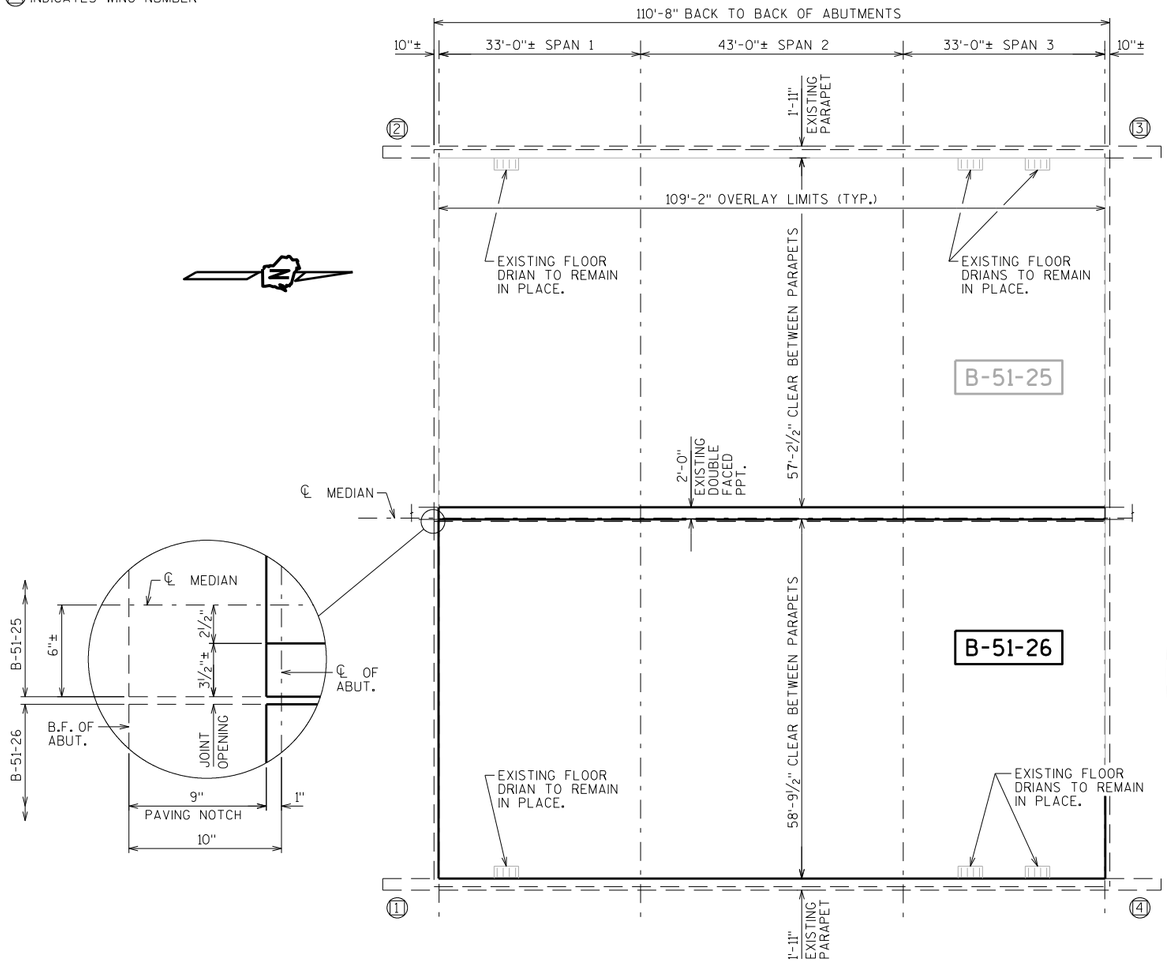
I.D. 1030-06-04G

DATE: SEPT. 2016

STATE PROJECT NUMBER

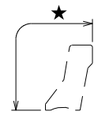
1030-06-74

INDICATES WING NUMBER



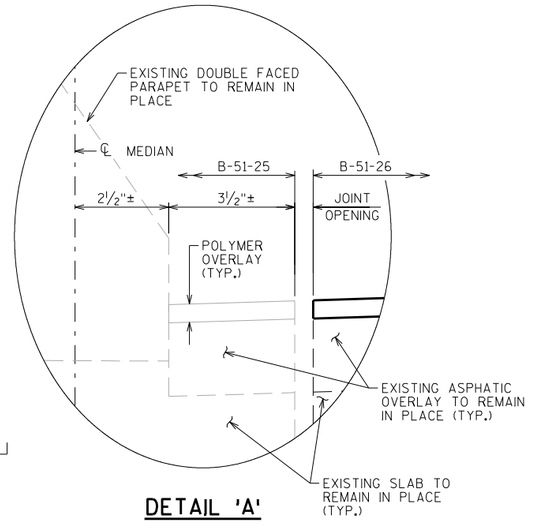
PLAN

★ = PIGMENTED SURFACE SEALER LIMITS.



SURFACE SEALER LIMITS DETAIL

LOOKING NORTH



DETAIL 'A'

DESIGN DATA

LIVE LOAD:

INVENTORY RATING: HS-11
OPERATIONAL RATING: HS- 19
MAXIMUM STANDARD PERMIT VEHICLE LOAD: 140 (KIPS)

MATERIAL PROPERTIES:

CONCRETE SURFACE REPAIR —— f'c = 3,500 P.S.I.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING ORIGINAL STRUCTURE PLANS.

REMOVE ANY/ALL LOOSE CONCRETE AT PARAPETS UNDER THE BID ITEM "CONCRETE SURFACE REPAIR". SURFACES SHALL BE BLAST CLEANED AND ANY EXPOSED STEEL SHALL BE BRUSHED CLEAN PRIOR TO THE CONCRETE SURFACE REPAIR BEING COMPLETED. REPAIR AREAS TO BE DETERMINED BY THE ENGINEER.

APPLY A POLYMER OVERLAY TO THE ENTIRE EXISTING BRIDGE DECK.

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EXISTING FLOOR DRAINS SHALL REMAIN IN PLACE.

TRAFFIC VOLUME

IH 94EB/IH 43 SB

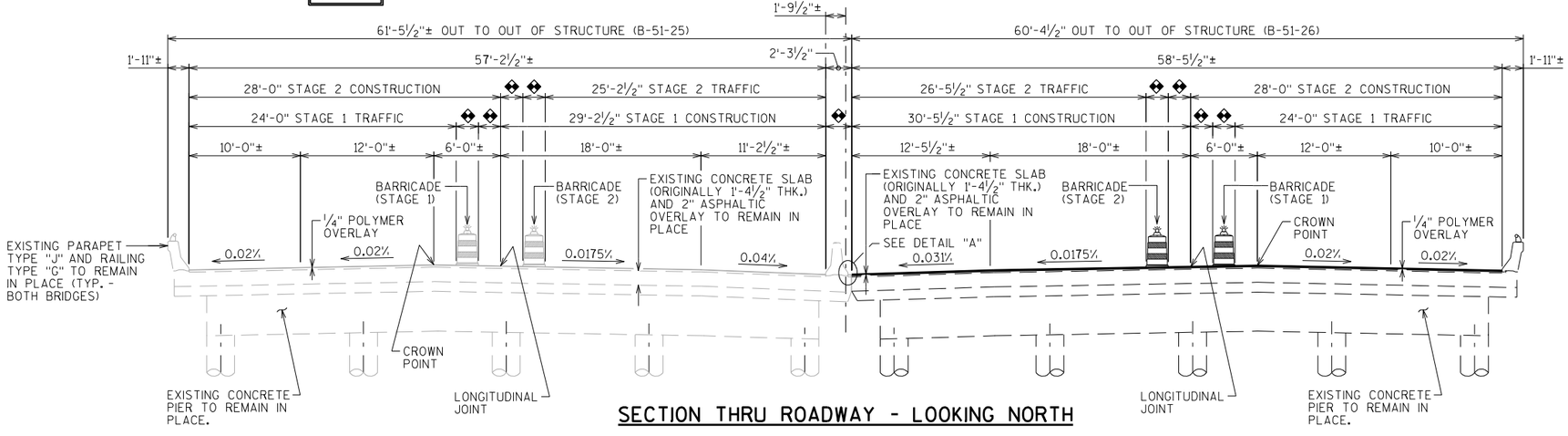
A.D.T.= 54,700 (2037)
R.D.S.= 75 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	DESCRIPTION	TOTAL	UNITS
502.3210	PIGMENTED SURFACE SEALER	55	SY
509.0301	PREPARATION DECKS TYPE 1	53	SY
509.0302	PREPERATION DECKS TYPE 2	27	SY
509.1500	CONCRETE SURFACE REPAIR	5	SF
509.5100.S	POLYMER OVERLAY	714	SY

ALL ITEMS ARE CATEGORY 2070

◆ = 2'-0"



SECTION THRU ROADWAY - LOOKING NORTH

STRUCTURE DESIGN CONTACT:
DANIELLE DE TENNIS (608) 266-8689
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS — CHIEF STRUCTURES DESIGN ENGINEER — 1/18/17 DATE

STRUCTURE B-51-26

IH 94 WB/IH 41 NB OVER KRAUT RD.

COUNTY	TOWN ~~CITY/VILLAGE~~
RACINE	YORKVILLE

DESIGN SPEC.	
REHABILITATION	N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KCY	BCL	DDS	DFD

POLYMER OVERLAY

SHEET 1 OF 1

97

I.D. 1030-06-04H

DATE: SEPT. 2016

SCALE = 12

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

WKE APR 2017

PROJECT ID: 1090-02-74

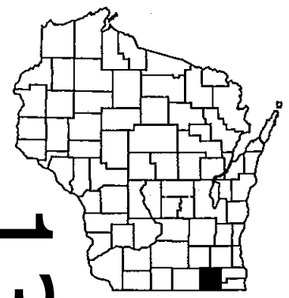
WITH: 1030-06-04, 1100-05-01

COUNTY: WALWORTH

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 = 36



13

N

DESIGN DESIGNATION IH 43

A.A.D.T.	2012	=	24,700
A.A.D.T.	2040	=	30,900
D.H.V.		=	12.7
D.D.		=	59-41
T.		=	14.8
DESIGN SPEED		=	70 MPH
ESALS		=	-

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (955.36)
- 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

IH 43

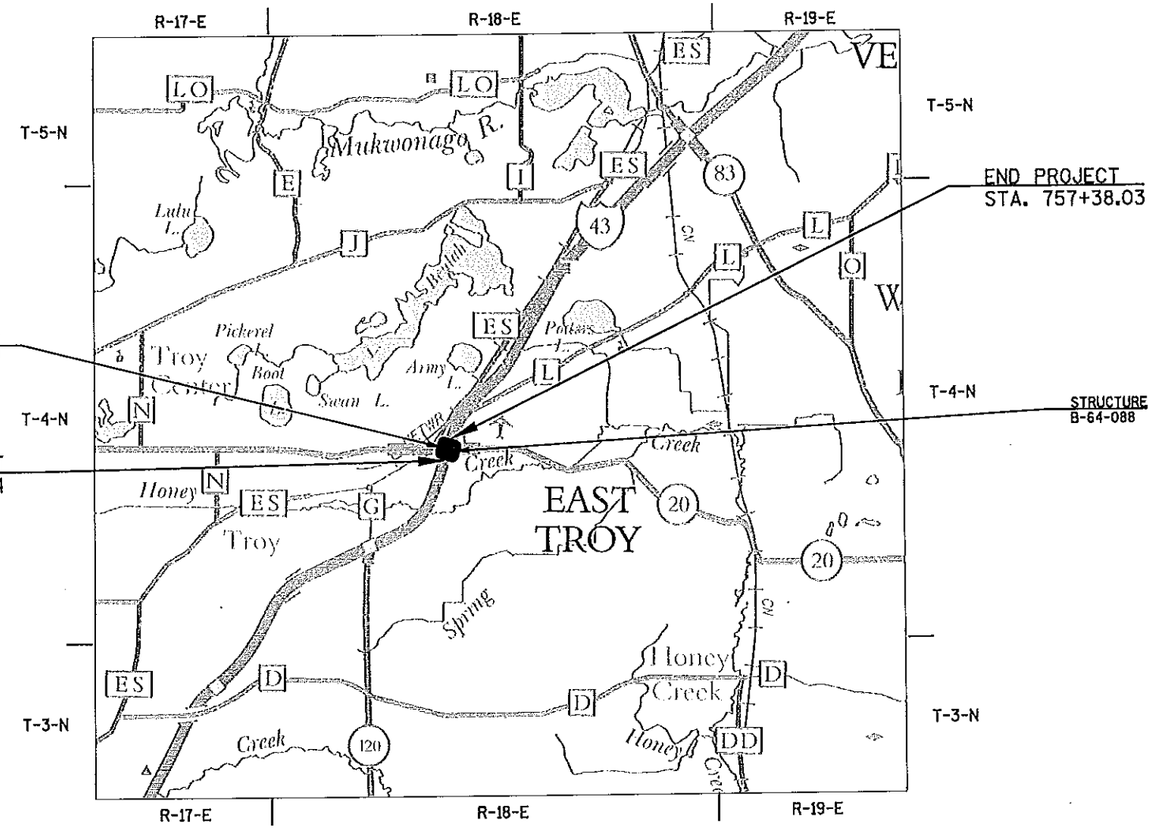
STH 20 BRIDGE (B-64-0088 & 89)

IH 43

WALWORTH COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1090-02-74	WISC 2017184	1

STATE PROJECT NUMBER
1090-02-74



LAYOUT

SCALE 0 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, WALWORTH COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	CRAIG VINDEDAHL
Project Manager	CRAIG VINDEDAHL
Regional Examiner	
Regional Supervisor	JOE GALLAMORE

APPROVED FOR THE DEPARTMENT

DATE: 1/17/17 (Signature)

E

STANDARD ABBREVIATIONS

BM	BENCH MARK
C/L	CENTER OR CONSTRUCTION LINE
D	LANE DISTRIBUTION
DHV	DESIGN HOURLY VOLUME
DIM	DIMENSION
EB	EASTBOUND
HMA	HOT MIX ASPHALT
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
NB	NORTHBOUND
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
RT	RIGHT
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
STA	STATION
SY	SQUARE YARD
TYP	TYPICAL
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
WB	WESTBOUND
V	DESIGN SPEED

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
PLAN DETAILS / EROSION CONTROL
PAVEMENT MARKING
TRAFFIC CONTROL

CONTACTS

WISDOT REGION CONTACT
CRAIG VINDEDAHL, PROJECT MANAGER
141 NW BARSTOW ST.
WAUKESHA, WI 53187
PHONE: (262) 548-8775
craig.vindedahl@dot.wi.gov

WISDNR CONTACT
KRISTINA BETZOLD
2300 N DR. MARTIN LUTHER KING JR. DR.
MILWAUKEE, WI 53212
PHONE: (414) 263-8517
kristina.betzold@wisconsin.gov

GENERAL NOTES

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

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

NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

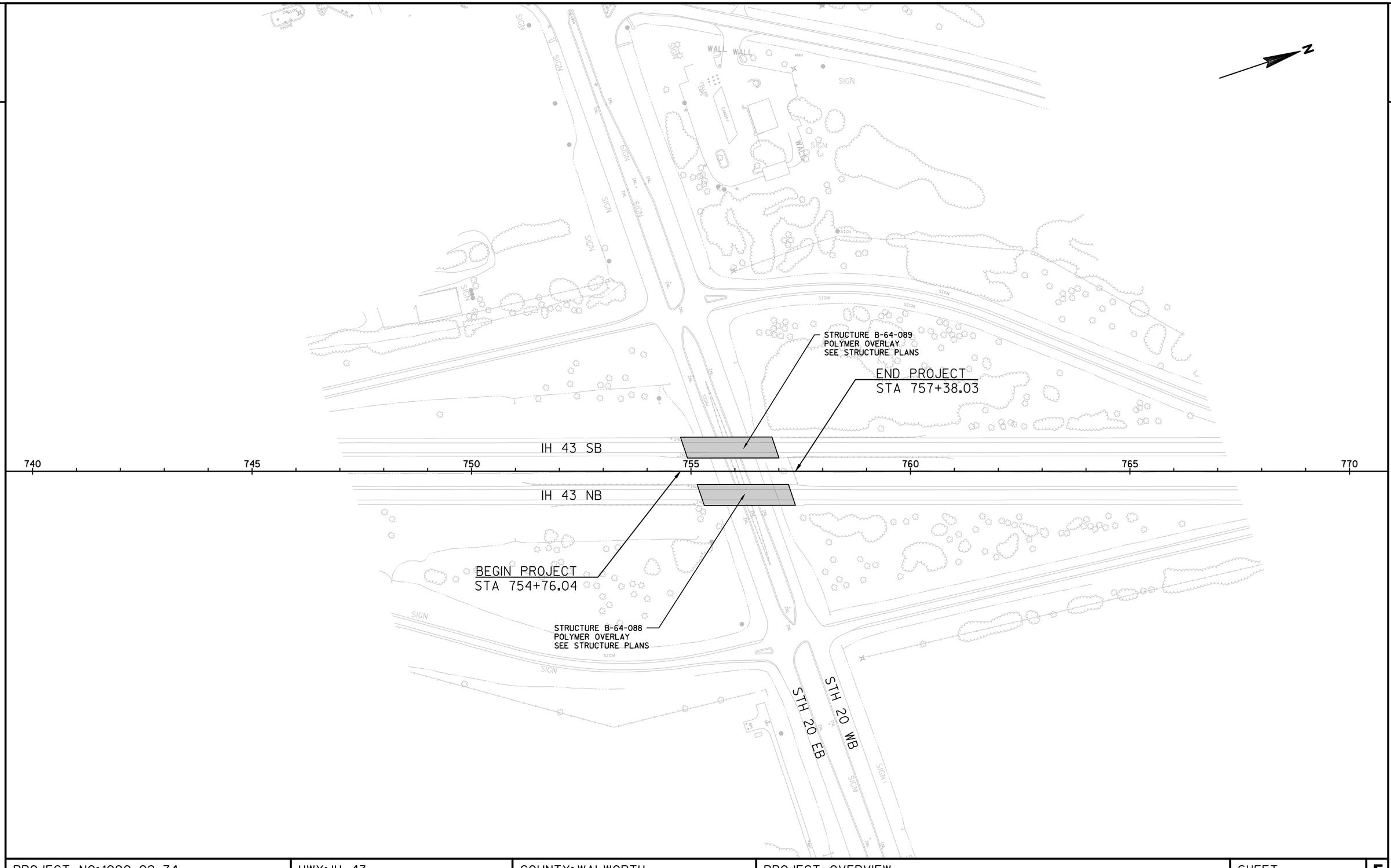
STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED.

EROSION CONTROL BMPS ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND BY THE ENGINEER. EROSION CONTROL BMPS SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

WHILE POLYMER OVERLAY IS BEING APPLIED, ALL INLETS RECEIVING INLET PROTECTION, AS SHOWN ON PLANS, SHALL ALSO BE COVERED WITH EITHER PLYWOOD OR STEEL PLATE. COVERING AND UNCOVERING INLETS IS INCIDENTAL TO PROVIDING INLET PROTECTION.

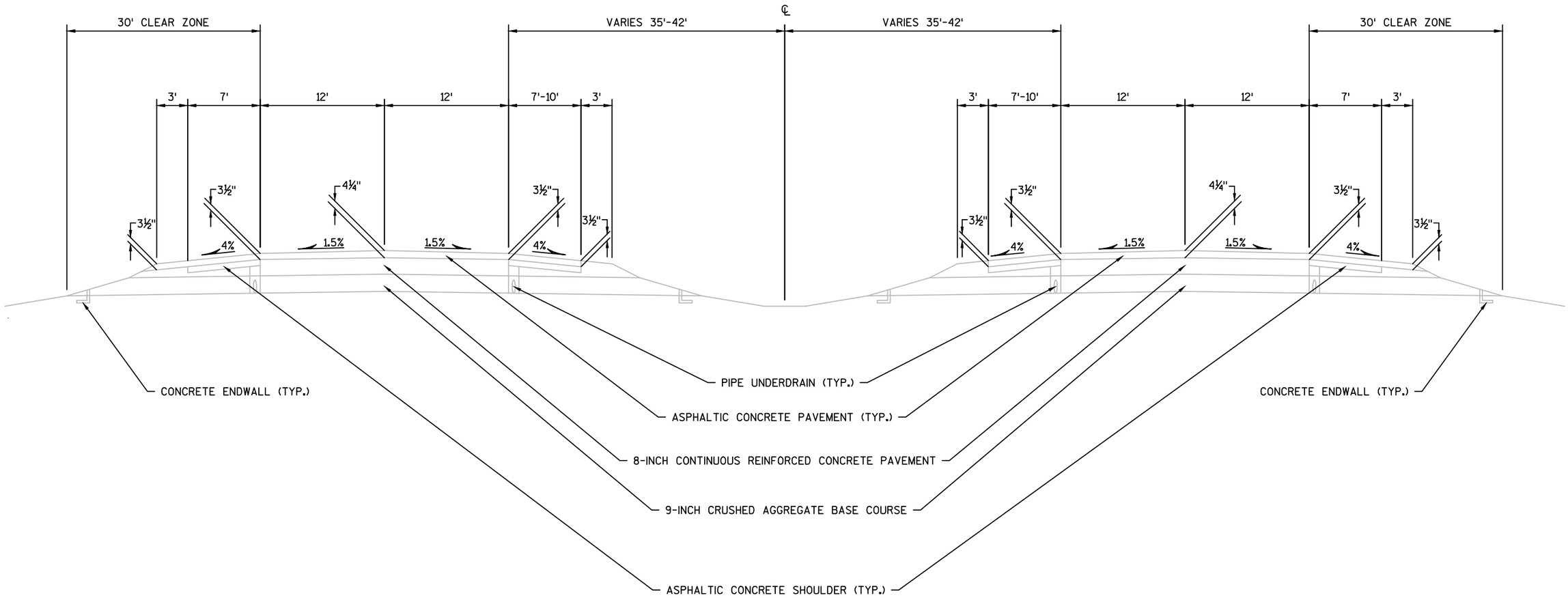
DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

2



PROJECT NO: 1090-02-74	HWY: IH 43	COUNTY: WALWORTH	PROJECT OVERVIEW	SHEET 3	E

2



EXISTING TYPICAL NORMAL SECTION

IH-43

FOR INFORMATION PURPOSES ONLY

PROJECT NO: 1090-02-74	HWY: IH 43	COUNTY: WALWORTH	PLAN: TYPICAL SECTIONS	SHEET 4	E

2

2

LEGEND

INLET PROTECTION TYPE B

N

STRUCTURE B-64-089
POLYMER OVERLAY

IH 43 SB

INL

INL

END PROJECT
STA 757+38.03

755

BEGIN PROJECT
STA 754+76.04

INL

IH 43 NB

INL

STRUCTURE B-64-088
POLYMER OVERLAY

INL

INL

INL

STH 20 EB

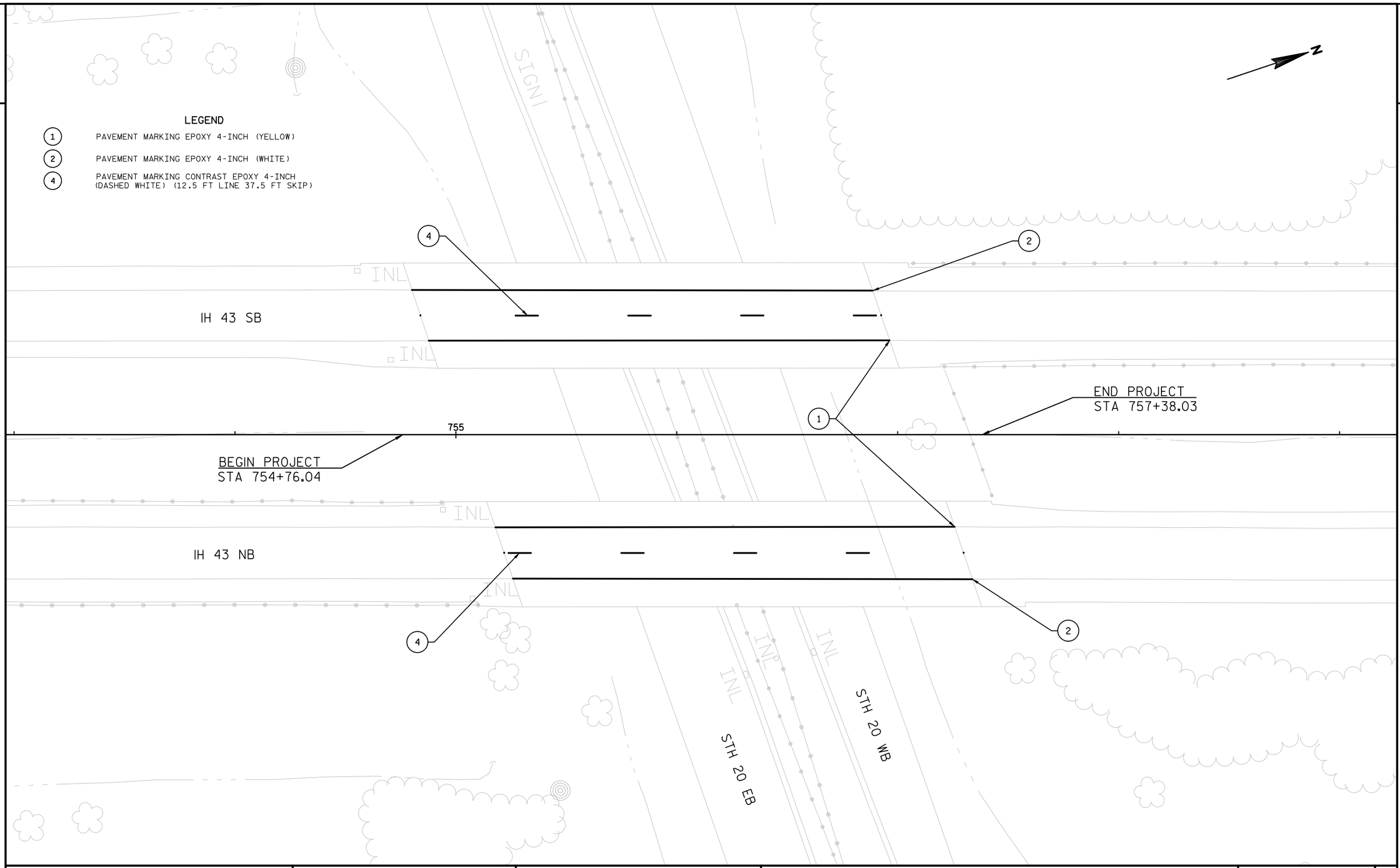
STH 20 WB

PROJECT NO:1090-02-74	HWY: IH 43	COUNTY: WALWORTH	PLAN DETAILS / EROSION CONTROL	SHEET 5	E

2

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
4. PAVEMENT MARKING CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)



PROJECT NO:1090-02-74	HWY: IH 43	COUNTY: WALWORTH	PAVEMENT MARKINGS	SHEET 6	E

GENERAL NOTES FOR TRAFFIC CONTROL

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

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

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

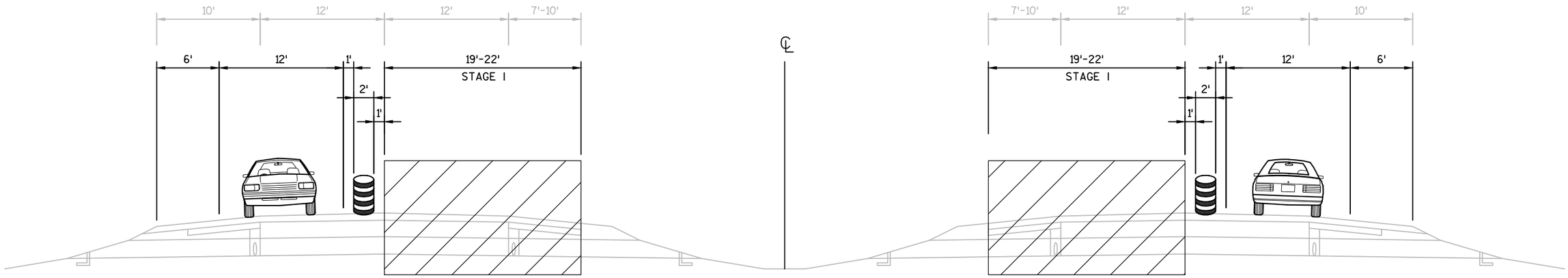
4) FOR NIGHTTIME OPERATIONS ALL DRUMS IN TAPERS SHALL HAVE A TYPE C STEADY BURN WARNING LIGHT.

5) ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED, AND EQUIPED WITH TWO TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.

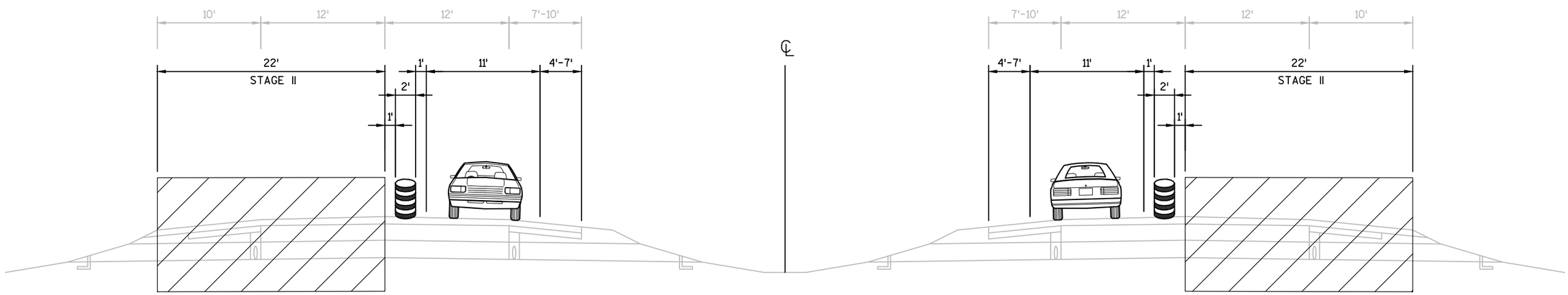
6) INSTALL PROPOSED TRAFFIC CONTROL SIGNS ON BOTH OUSIDE SHOULDER AND MEDIAN SIDE OF ALL DIVIDED ROADWAYS OR AS DIRECTED BY THE ENGINEER.

7) ALL LANE AND RAMP CLOSURES TO PERFORM CONTRACT WORK SHALL BE INCIDENTAL TO ITEM 643.0100.02.

2



TYPICAL SECTION - STAGE 1
IH-43



TYPICAL SECTION - STAGE 2
IH-43

PROJECT NO: 1090-02-74	HWY: IH 43	COUNTY: WALWORTH	CONSTRUCTION STAGING	SHEET 8	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
ALL SIGNS ON TYPE III BARRICADES ARE R11-2L UNLESS NOTED
COVER EXISTING SPEED LIMIT SIGNS DURING WORK

N

IH 43 SB

IH 43 NB

BP: 720+65.93

725

MB

500'

500'

500'

500'

FINES DOUBLE IN WORK ZONES
Give 'em a BRAKE SLOW DOWN
W21-62
96"X48"

$200 MINIMUM
W21-62-P
96"X12"

SPEED LIMIT 55
W03-5
48"X48"

W21-62-Q
30"X48"
WORK ZONE
SPEED LIMIT 55
R2-1
48"X60"
FINES DOUBLE
W21-62-R
30"X48"

575'

LEFT LANE CLOSED 1500 FT
W20-55-S

25'

50'

50'

500'

420'

2600'

1600'

1000'

840' TAPER

ROAD WORK 1 MILE
W20-1-F

LEFT LANE CLOSED 1/2 MILE
W20-55-S

W04-2-L

PROJECT NO: 1090-02-74	HWY: IH 43	COUNTY: WALWORTH	TRAFFIC CONTROL: STAGE 1	SHEET 9	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
ALL SIGNS ON TYPE III BARRICADES ARE R11-2L UNLESS NOTED
COVER EXISTING SPEED LIMIT SIGNS DURING WORK

N

IH 43 SB

730 735 740

IH 43 NB

50' 100'

420'

840' TAPER 1680'

PROJECT NO: 1090-02-74	HWY: IH 43	COUNTY: WALWORTH	TRAFFIC CONTROL: STAGE 1	SHEET 10	E

FILE NAME : N:\PDS\C3D\10900204\SHEETSPLAN\025002_TC.DWG
LAYOUT NAME - 025001

PLOT DATE : 1/16/2017 2:03 PM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

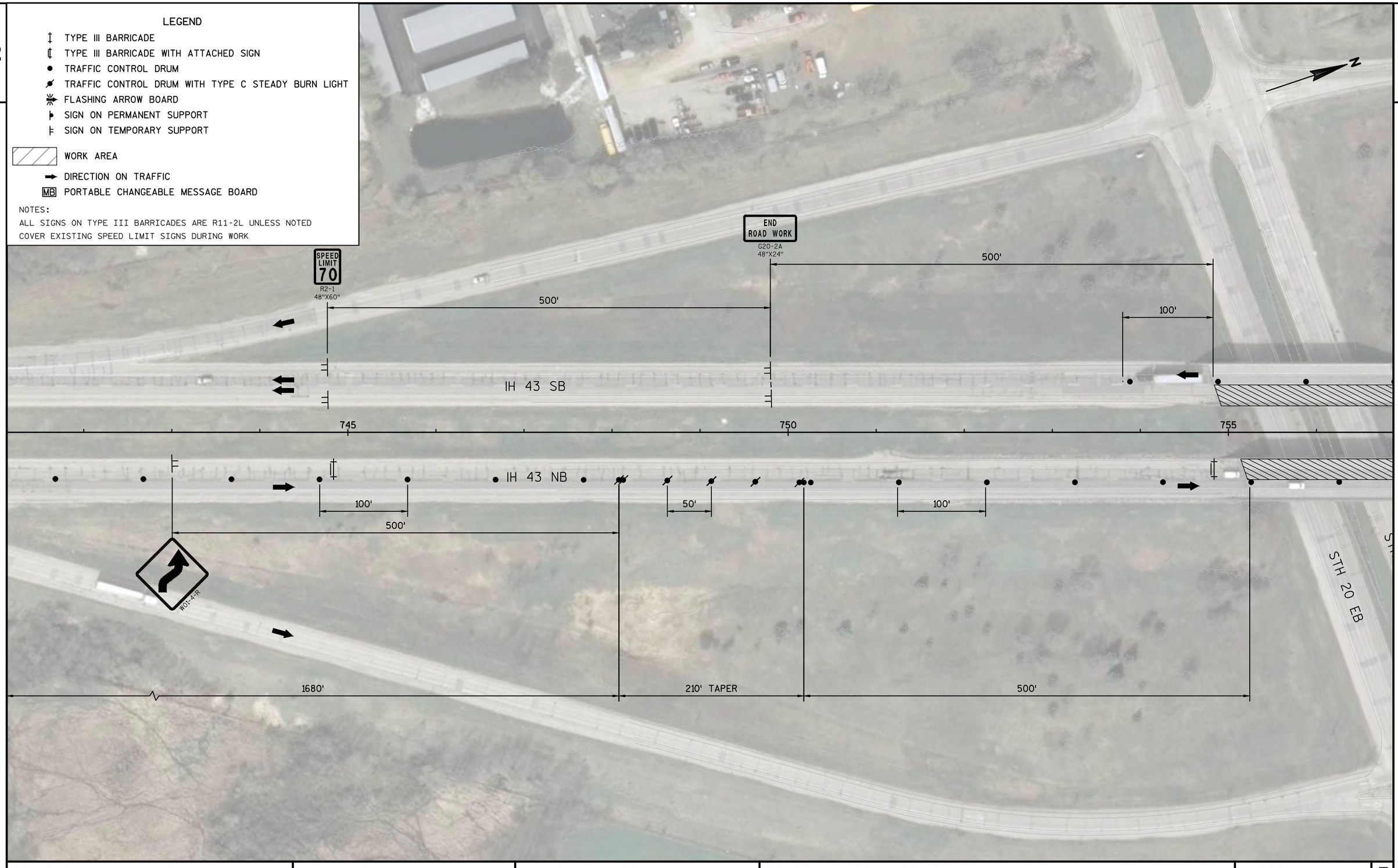
2

2

LEGEND

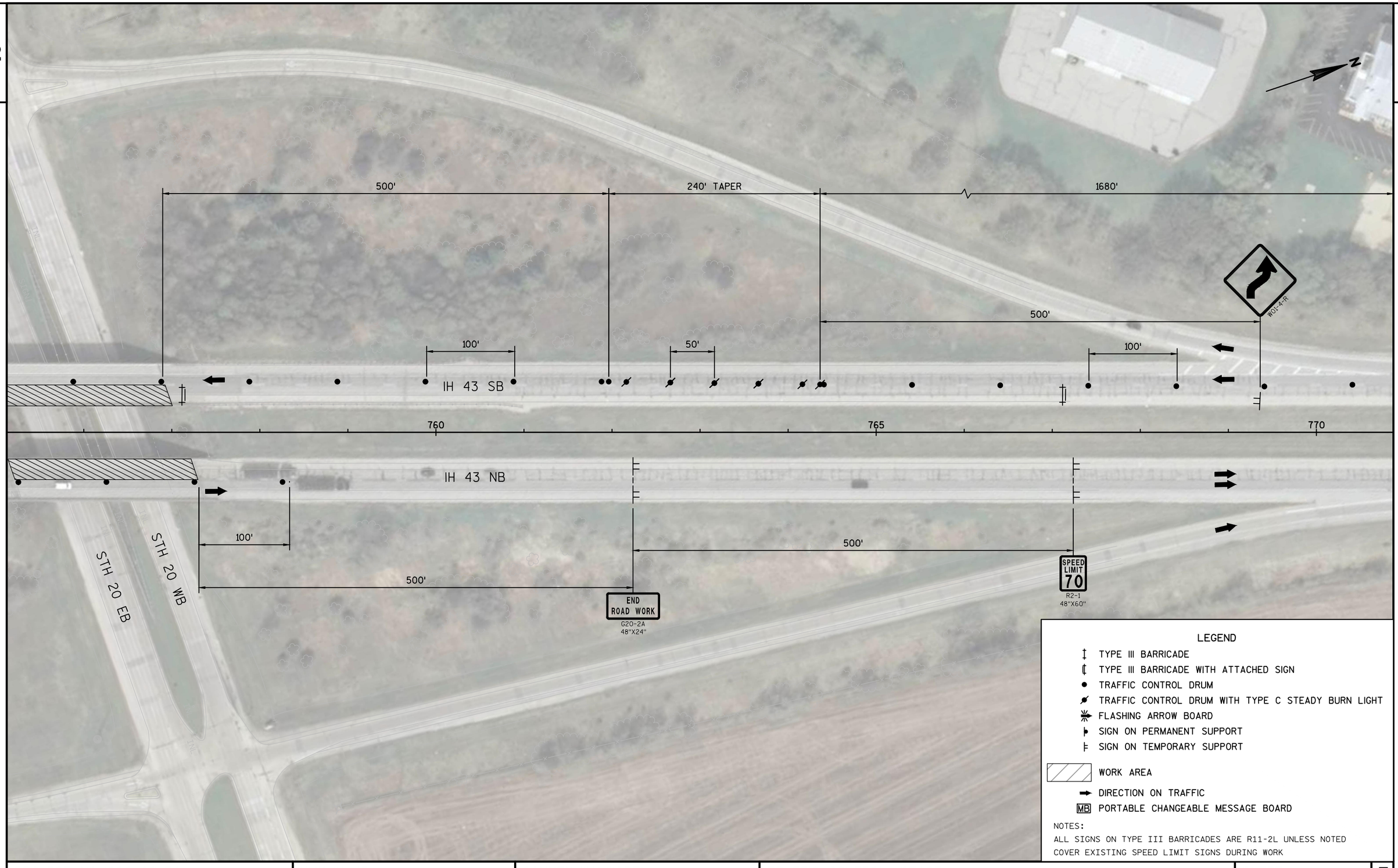
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
ALL SIGNS ON TYPE III BARRICADES ARE R11-2L UNLESS NOTED
COVER EXISTING SPEED LIMIT SIGNS DURING WORK



PROJECT NO: 1090-02-74	HWY: IH 43	COUNTY: WALWORTH	TRAFFIC CONTROL: STAGE 1	SHEET 11	E

2



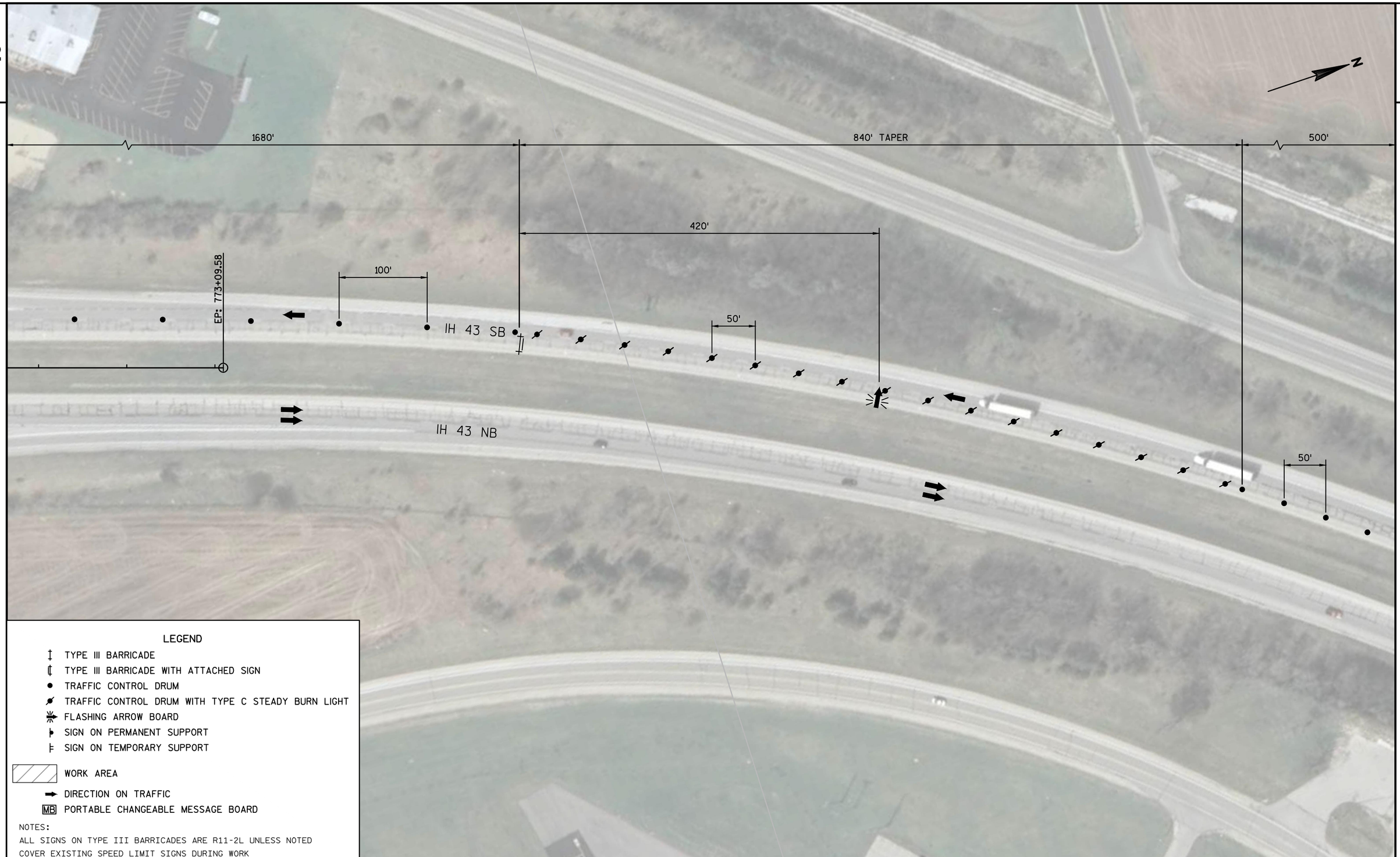
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
ALL SIGNS ON TYPE III BARRICADES ARE R11-2L UNLESS NOTED
COVER EXISTING SPEED LIMIT SIGNS DURING WORK

PROJECT NO: 1090-02-74	HWY: IH 43	COUNTY: WALWORTH	TRAFFIC CONTROL: STAGE 1	SHEET 12	E

2



LEGEND

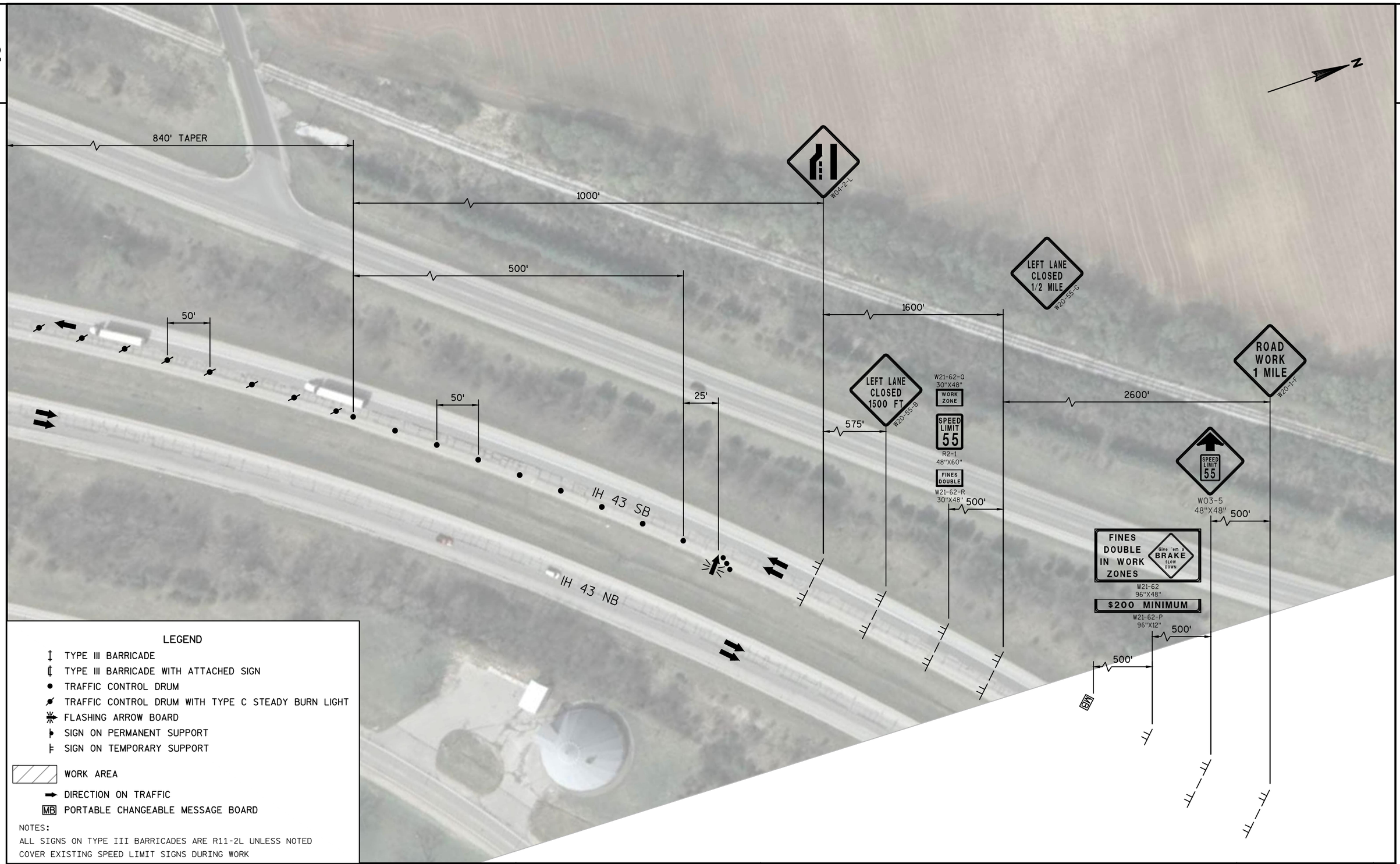
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
ALL SIGNS ON TYPE III BARRICADES ARE R11-2L UNLESS NOTED
COVER EXISTING SPEED LIMIT SIGNS DURING WORK

PROJECT NO: 1090-02-74	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL: STAGE 1	SHEET 13	E

FILE NAME : N:\PDS\C3D\10900204\SHEETSPLAN\025002_TC.DWG
LAYOUT NAME - 025004
PLOT DATE : 1/16/2017 2:03 PM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
ALL SIGNS ON TYPE III BARRICADES ARE R11-2L UNLESS NOTED
COVER EXISTING SPEED LIMIT SIGNS DURING WORK

PROJECT NO:1090-02-74	HWY: IH 43	COUNTY: MILWAUKEE	TRAFFIC CONTROL: STAGE 1	SHEET 14	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
ALL SIGNS ON TYPE III BARRICADES ARE R11-2L UNLESS NOTED
COVER EXISTING SPEED LIMIT SIGNS DURING WORK

N

IH 43 SB

IH 43 NB

500'
500'
500'
500'
2600'
1600'
575'
25'
50'
500'
1000'
840' TAPER

MB

FINES DOUBLE IN WORK ZONES — Give 'em a BRAKE SLOW DOWN
W21-62
96"X48"

$200 MINIMUM
W21-62-P
96"X12"

SPEED LIMIT 55
W03-5
48"X48"

ROAD WORK 1 MILE
W20-1-F

WORK ZONE
SPEED LIMIT 55
R2-1
48"X60"
FINES DOUBLE
W21-62-R
30"X48"
W21-62-Q
30"X48"

RIGHT LANE CLOSED 1/2 MILE
W20-5-G

RIGHT LANE CLOSED 1500 FT
W20-5-B

W04-2-R

DETOUR AHEAD
W20-2-A

WIDE LOADS EXCEEDING 15 FT
R12-70
96"X42"

PROJECT NO: 1090-02-74	HWY: IH 43	COUNTY: WALWORTH	TRAFFIC CONTROL: STAGE 2	SHEET 15	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
ALL SIGNS ON TYPE III BARRICADES ARE R11-2L UNLESS NOTED
COVER EXISTING SPEED LIMIT SIGNS DURING WORK

N

IH 43 SB

BP: 720+65.93

725

730

IH 43 NB

50'

100'

420'

500'

840' TAPER

800'

M4-8
36"X18"
M3-1
36"X18"
M1-1
36"X36"

DETOUR
NORTH
ALTERNATE
43

WIDE LOADS
EXCEEDING
15 FT

R12-70
96"X42"

PROJECT NO:1090-02-74	HWY: IH 43	COUNTY: WALWORTH	TRAFFIC CONTROL: STAGE 2	SHEET 16	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
ALL SIGNS ON TYPE III BARRICADES ARE R11-2L UNLESS NOTED
COVER EXISTING SPEED LIMIT SIGNS DURING WORK

N

IH 43 SB

730 735 740

IH 43 NB

100' 25' 25' 100'

EXIT
E5-1
72"X60"

800' 200' 350' 200'

M4-8
36"X18"
DETOUR
M3-1
36"X18"
NORTH
M1-1
36"X36"
WISCONSIN
43

WIDE LOADS
EXCEEDING
15 FT
R12-70-B
114"X42"

PROJECT NO:1090-02-74	HWY: IH 43	COUNTY: WALWORTH	TRAFFIC CONTROL: STAGE 2	SHEET 17	E

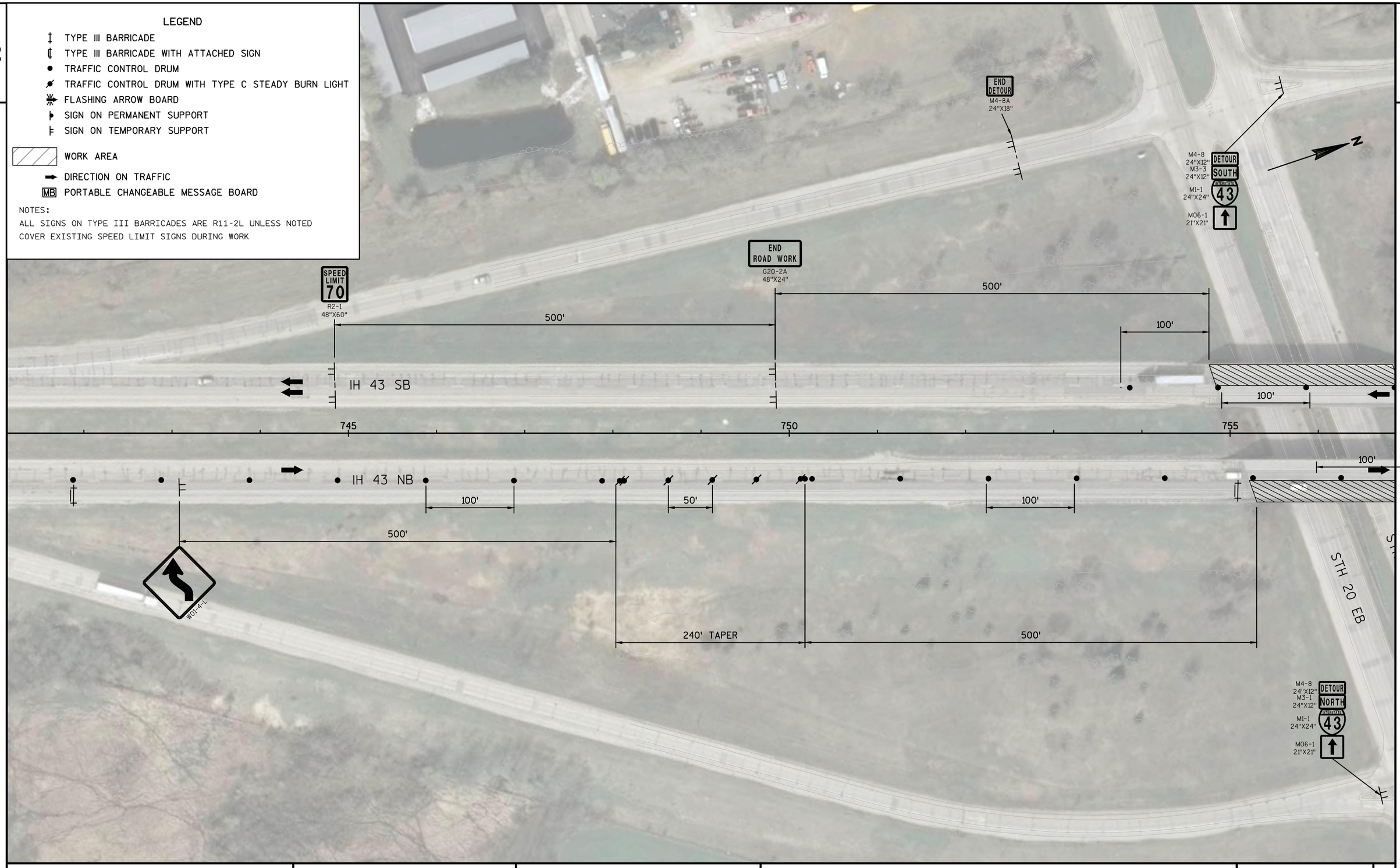
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2

LEGEND

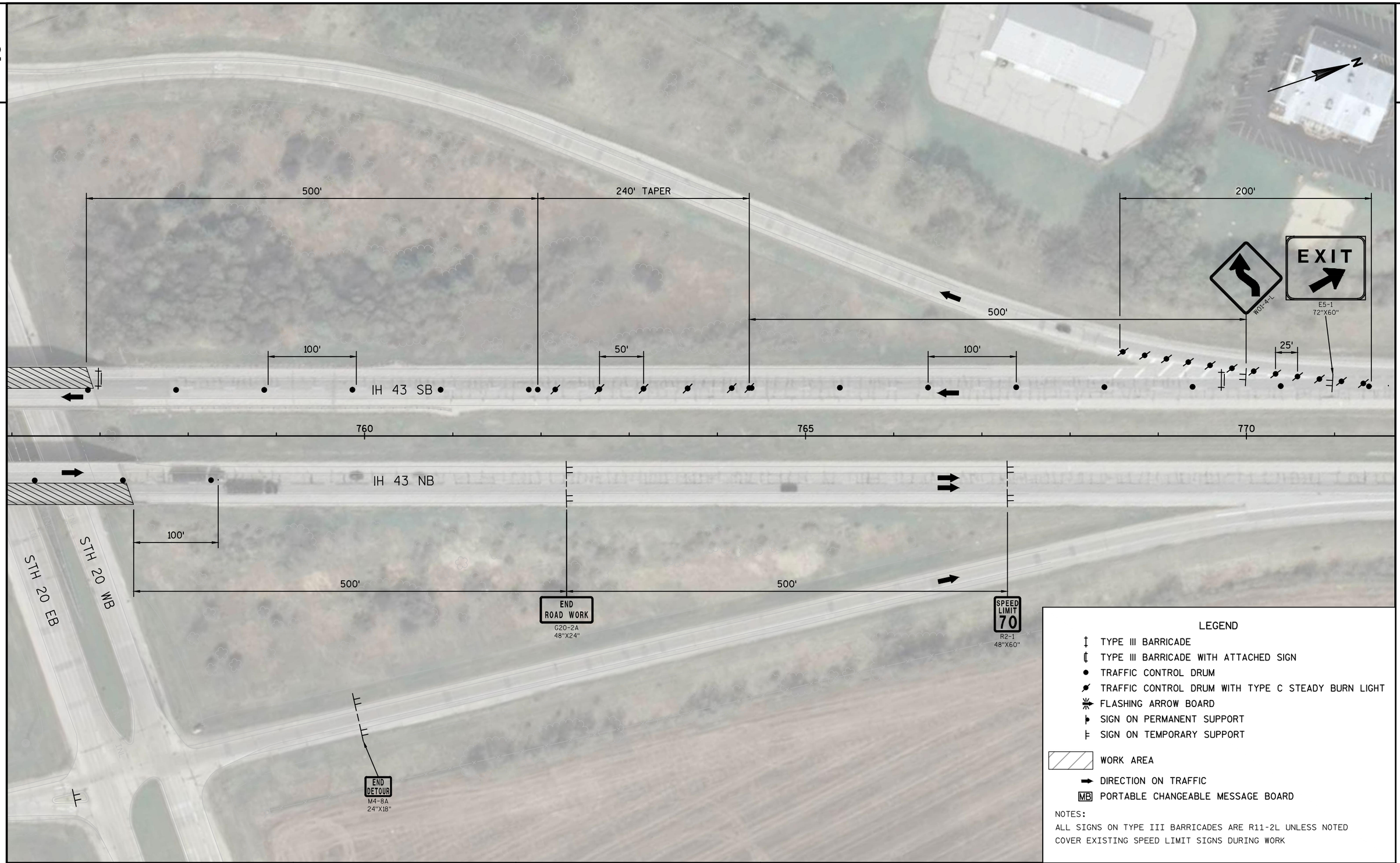
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
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NOTES:
ALL SIGNS ON TYPE III BARRICADES ARE R11-2L UNLESS NOTED
COVER EXISTING SPEED LIMIT SIGNS DURING WORK



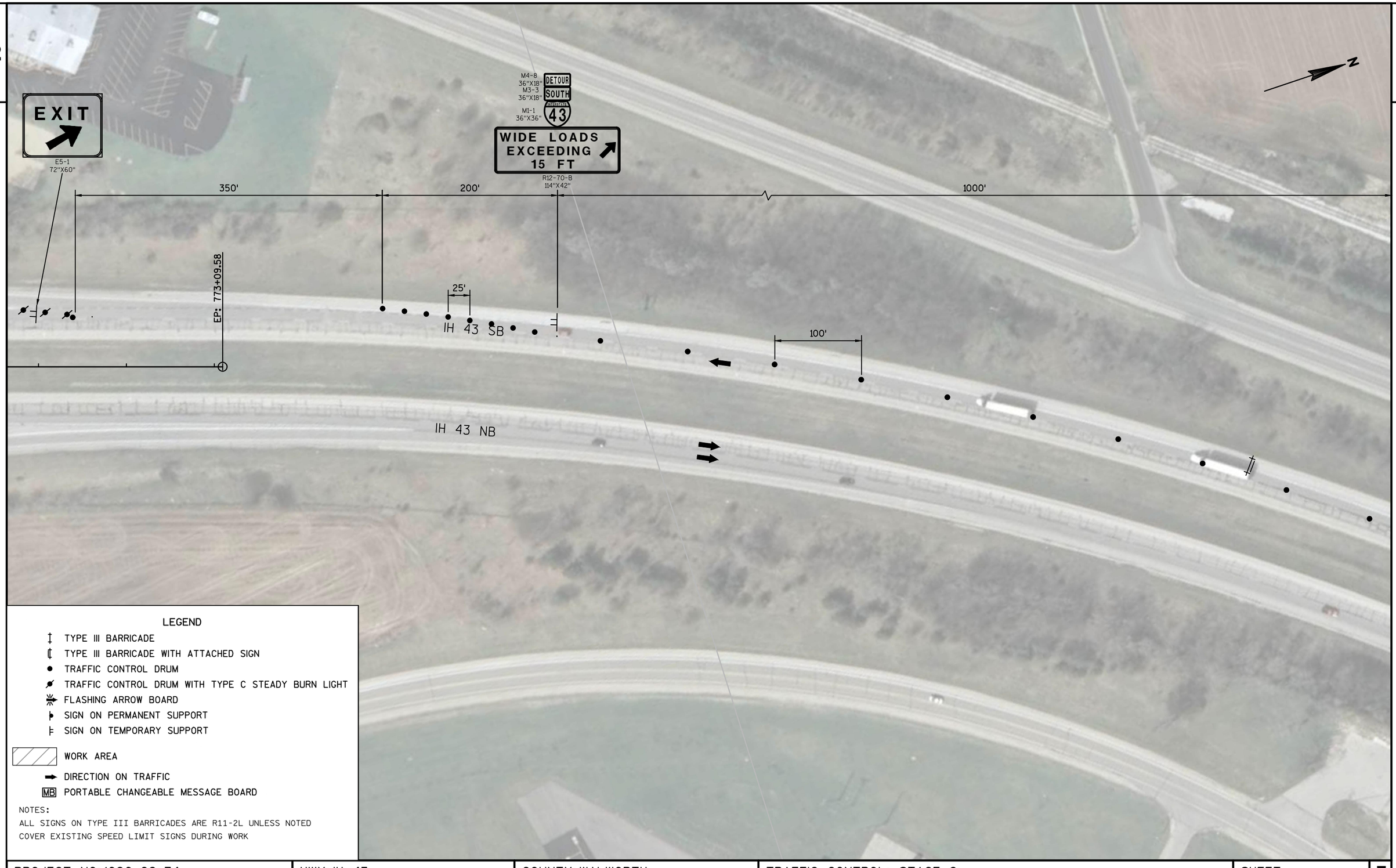
PROJECT NO:1090-02-74	HWY: IH 43	COUNTY: WALWORTH	TRAFFIC CONTROL: STAGE 2	SHEET 18	E

2



PROJECT NO:1090-02-74	HWY: IH 43	COUNTY: WALWORTH	TRAFFIC CONTROL: STAGE 2	SHEET 19	E

2



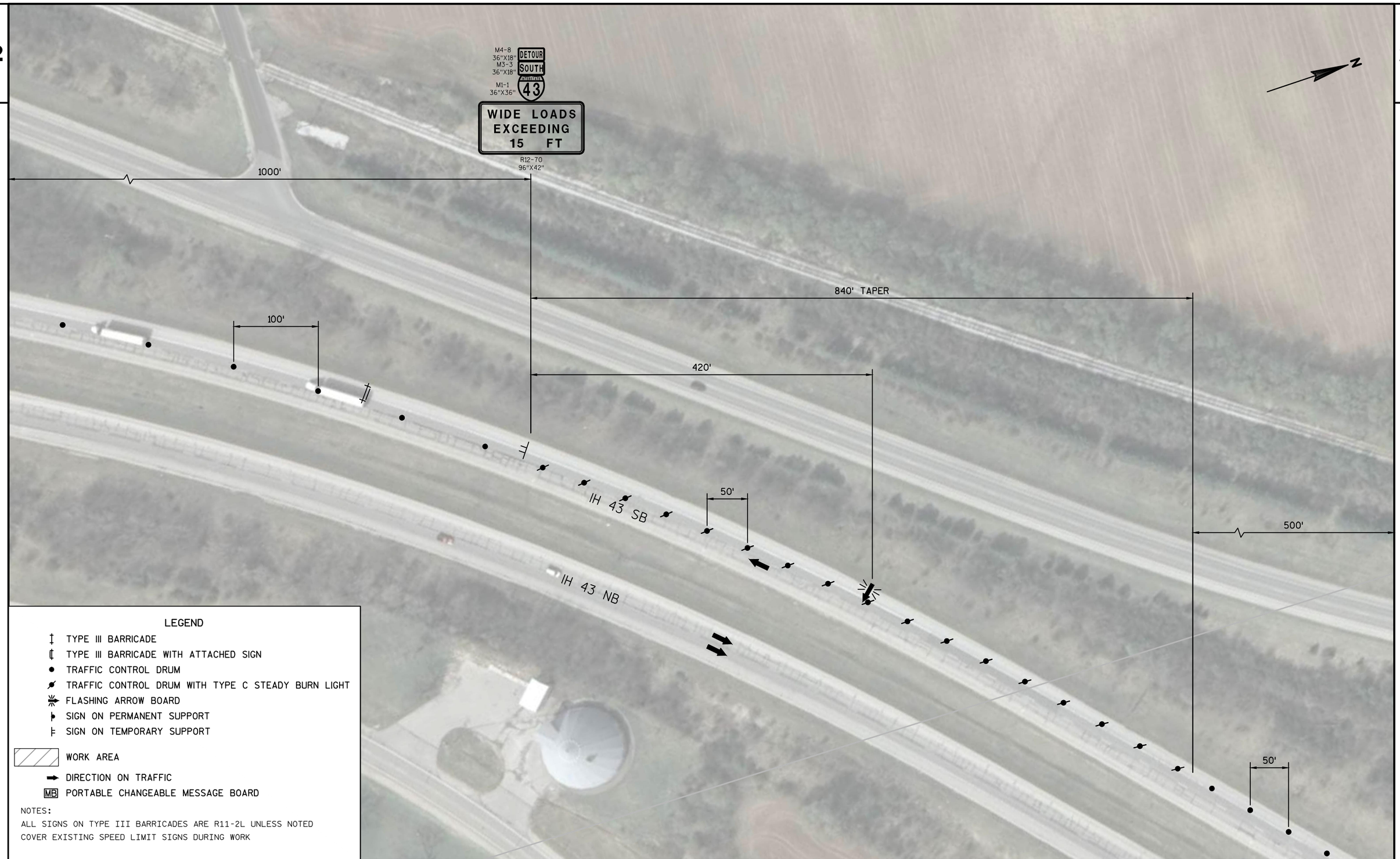
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
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NOTES:
ALL SIGNS ON TYPE III BARRICADES ARE R11-2L UNLESS NOTED
COVER EXISTING SPEED LIMIT SIGNS DURING WORK

PROJECT NO: 1090-02-74	HWY: IH 43	COUNTY: WALWORTH	TRAFFIC CONTROL: STAGE 2	SHEET 20	E

2



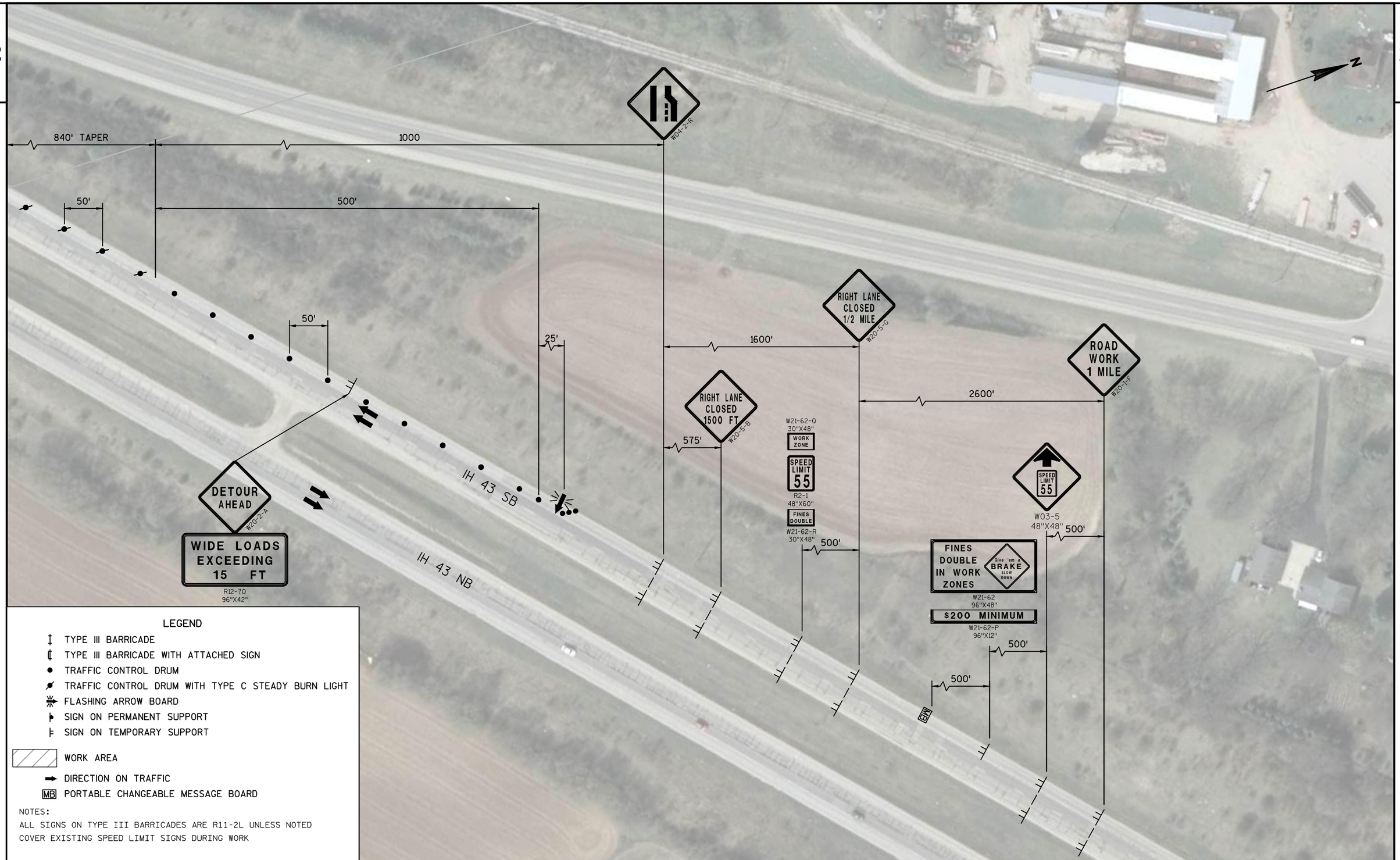
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- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
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ALL SIGNS ON TYPE III BARRICADES ARE R11-2L UNLESS NOTED
COVER EXISTING SPEED LIMIT SIGNS DURING WORK

PROJECT NO:1090-02-74	HWY: IH 43	COUNTY: WALWORTH	TRAFFIC CONTROL: STAGE 2	SHEET 21	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
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- DIRECTION ON TRAFFIC
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NOTES:
ALL SIGNS ON TYPE III BARRICADES ARE R11-2L UNLESS NOTED
COVER EXISTING SPEED LIMIT SIGNS DURING WORK

PROJECT NO: 1090-02-74	HWY: IH 43	COUNTY: WALWORTH	TRAFFIC CONTROL: STAGE 2	SHEET 22	E

1090-02-74

Line	Item	Item Description	Unit	Total	Qty
0020	213.0100	Finishing Roadway (project) 02. 1090-02-74	EACH	1.000	1.000
0040	502.3210	Pigmented Surface Sealer	SY	408.000	408.000
0080	509.5100.S	Polymer Overlay	SY	2,054.000	2,054.000
0090	619.1000	Mobilization	EACH	0.200	0.200
0100	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0110	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0120	628.7010	Inlet Protection Type B	EACH	4.000	4.000
0140	643.0100	Traffic Control (project) 02. 1090-02-74	EACH	1.000	1.000
0160	643.0300	Traffic Control Drums	DAY	755.000	755.000
0170	643.0420	Traffic Control Barricades Type III	DAY	35.000	35.000
0180	643.0705	Traffic Control Warning Lights Type A	DAY	70.000	70.000
0190	643.0715	Traffic Control Warning Lights Type C	DAY	305.000	305.000
0200	643.0800	Traffic Control Arrow Boards	DAY	20.000	20.000
0210	643.0900	Traffic Control Signs	DAY	185.000	185.000
0220	643.0920	Traffic Control Covering Signs Type II	EACH	10.000	10.000
0240	643.1050	Traffic Control Signs PCMS	DAY	50.000	50.000
0250	643.1055.S	Truck or Trailer Mounted Attenuator	DAY	10.000	10.000
0270	643.2000	Traffic Control Detour (project) 02. 1090-02-74	EACH	1.000	1.000
0280	643.3000	Traffic Control Detour Signs	DAY	80.000	80.000
0290	646.0106	Pavement Marking Epoxy 4-Inch	LF	834.000	834.000
0300	646.0600	Removing Pavement Markings	LF	938.000	938.000
0330	649.0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	834.000	834.000
0380	SPV.0090	Special 01. PAVEMENT MARKING CONTRAST EPOXY 4-INCH	LF	104.000	104.000

FINISHING ROADWAY (PROJECT)

CATEGORY	PROJECT	213.0100.02 FINISHING ROADWAY EACH
1000	1090-02-74	1
	TOTAL:	1

EROSION CONTROL ITEMS

CATEGORY	STATION	TO	STATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.7010 INLET PROTECTION TYPE B EACH
1000	754+76.04	-	757+38.03	4	1	4
	TOTAL:			4	1	4

MOBILIZATION

CATEGORY	PROJECT	619.1000 MOBILIZATION EACH
1000	1090-02-74	0.2
	TOTAL:	0.2

PAVEMENT MARKING ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	646.0106 PAVEMENT MARKING EPOXY 4-INCH YELLOW LF	646.0106 PAVEMENT MARKING EPOXY 4-INCH WHITE LF	646.0600 REMOVING PAVEMENT MARKINGS LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH YELLOW LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH WHITE LF	SPV.0090.01 PAVEMENT MARKING CONTRAST EPOXY 4-INCH LF
1000	B-64-0088	754+76.04	-	757+38.03	208	208	468	208	208	52
	B-64-0089	754+76.04	-	757+38.03	209	209	470	209	209	52
	TOTAL:				417	417	938	417	417	104
					834			834		

TRAFFIC CONTROL (PROJECT)

CATEGORY	PROJECT	643.0100.02 TRAFFIC CONTROL EACH
1000	1090-02-74	1
	TOTAL:	1

TRAFFIC CONTROL DETOUR (PROJECT)

CATEGORY	PROJECT	643.2000.02 TRAFFIC CONTROL DETOUR EACH
1000	1090-02-74	1
	TOTAL:	1

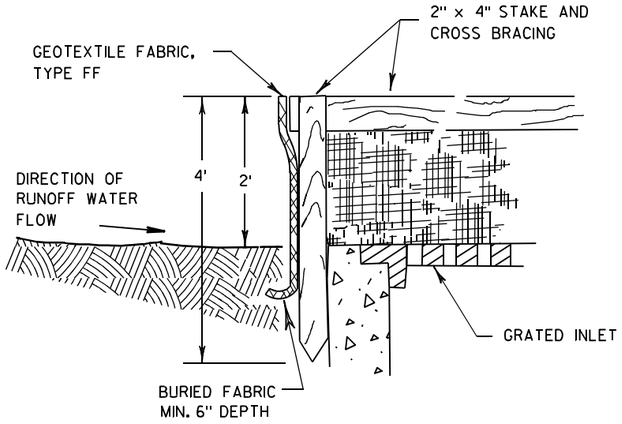
TRAFFIC CONTROL ITEMS

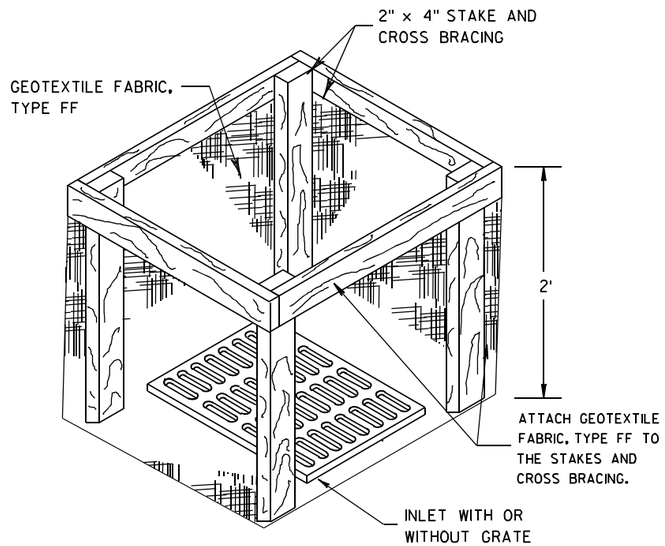
CATEGORY	LOCATION	DAYS	643.0300 TRAFFIC CONTROL DRUMS **EACH**	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III **EACH**	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A **EACH**	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C **EACH**	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS **EACH**	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	643.0900 TRAFFIC CONTROL SIGNS **EACH**	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II **NUMBER OF CYCLES**	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II **NUMBER OF SIGNS**	643.1050 TRAFFIC CONTROL SIGNS PCMS **EACH**	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.1055.S TRUCK OR TRAILER MOUNTED ATTENUATOR **EACH**	643.1055.S TRUCK OR TRAILER MOUNTED ATTENUATOR DAY	643.3000 TRAFFIC CONTROL DETOUR SIGNS **EACH**	643.3000 TRAFFIC CONTROL DETOUR SIGNS DAY
1000	**STAGE 1**																						
	IH 43 NB	2	65	130	3	6	6	12	27	54	2	4	18	36	2	2	1	1	6	1	2	--	--
	IH 43 SB	2	65	130	3	6	6	12	27	54	2	4	18	36	2	2	1	1	6	1	2	--	--
	UNDISTRIBUTED	--	65	65	3	3	6	6	27	27	2	2	18	18	1	1	1	1	3	1	1	--	--
	STAGE 2																						
	IH 43 NB	2	86	172	4	8	8	16	34	68	2	4	19	38	2	2	1	1	14	1	2	16	32
	IH 43 SB	2	86	172	4	8	8	16	34	68	2	4	19	38	2	2	1	1	14	1	2	16	32
	UNDISTRIBUTED	--	86	86	4	4	8	8	34	34	2	2	19	19	1	1	1	1	7	1	1	16	16
	TOTAL:			755		35		70		305		20		185	10				50		10		80

FOR INFORMATION PURPOSES ONLY

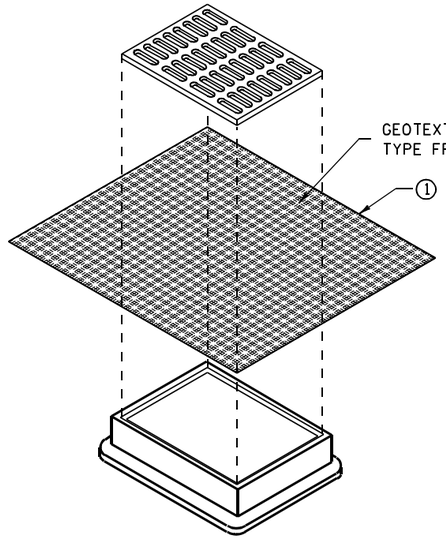
Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C08-16A	PAVEMENT MARKING (MAINLINE)
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D15-02	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE



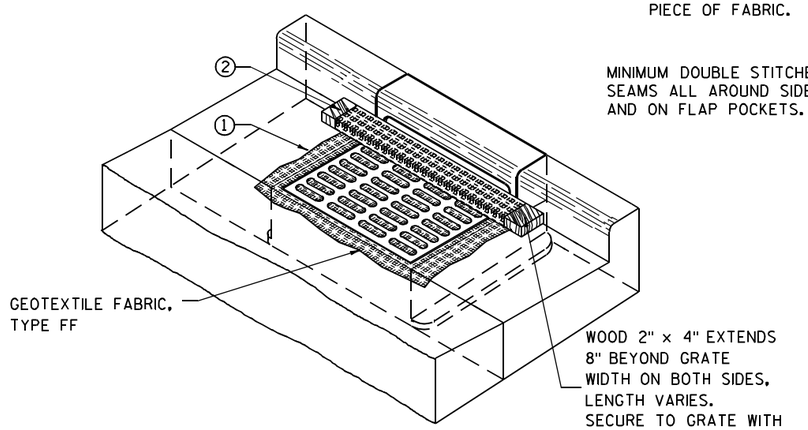


INLET PROTECTION, TYPE A

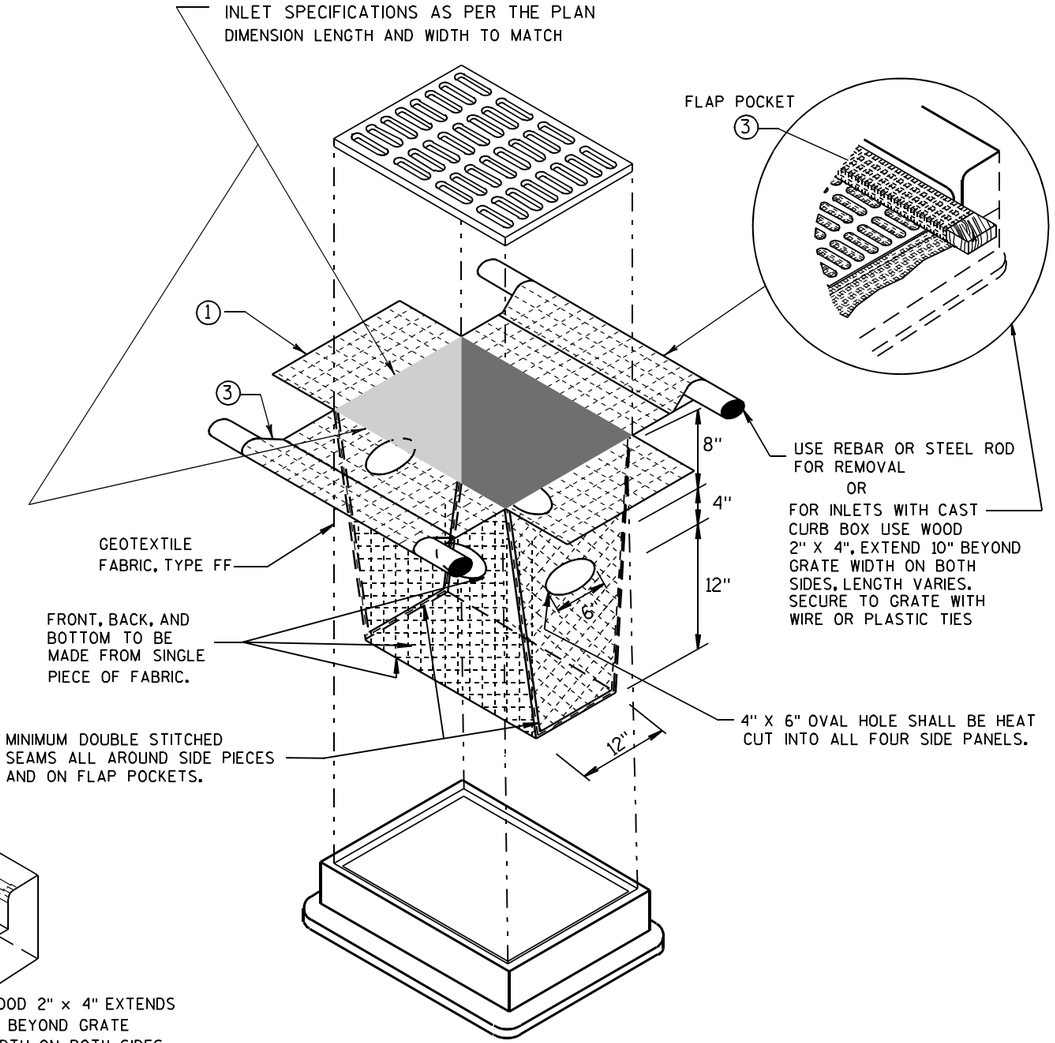


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

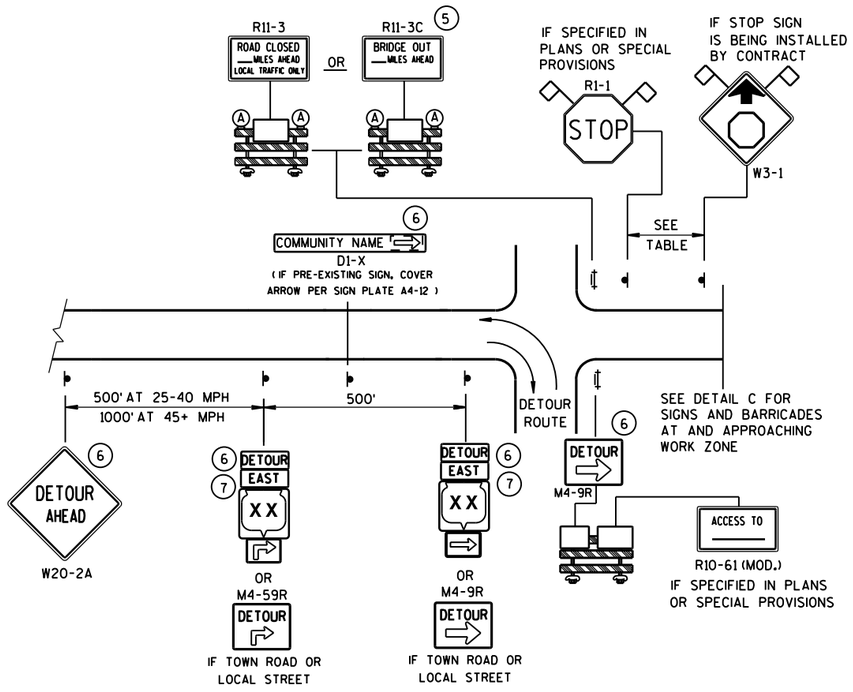
10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

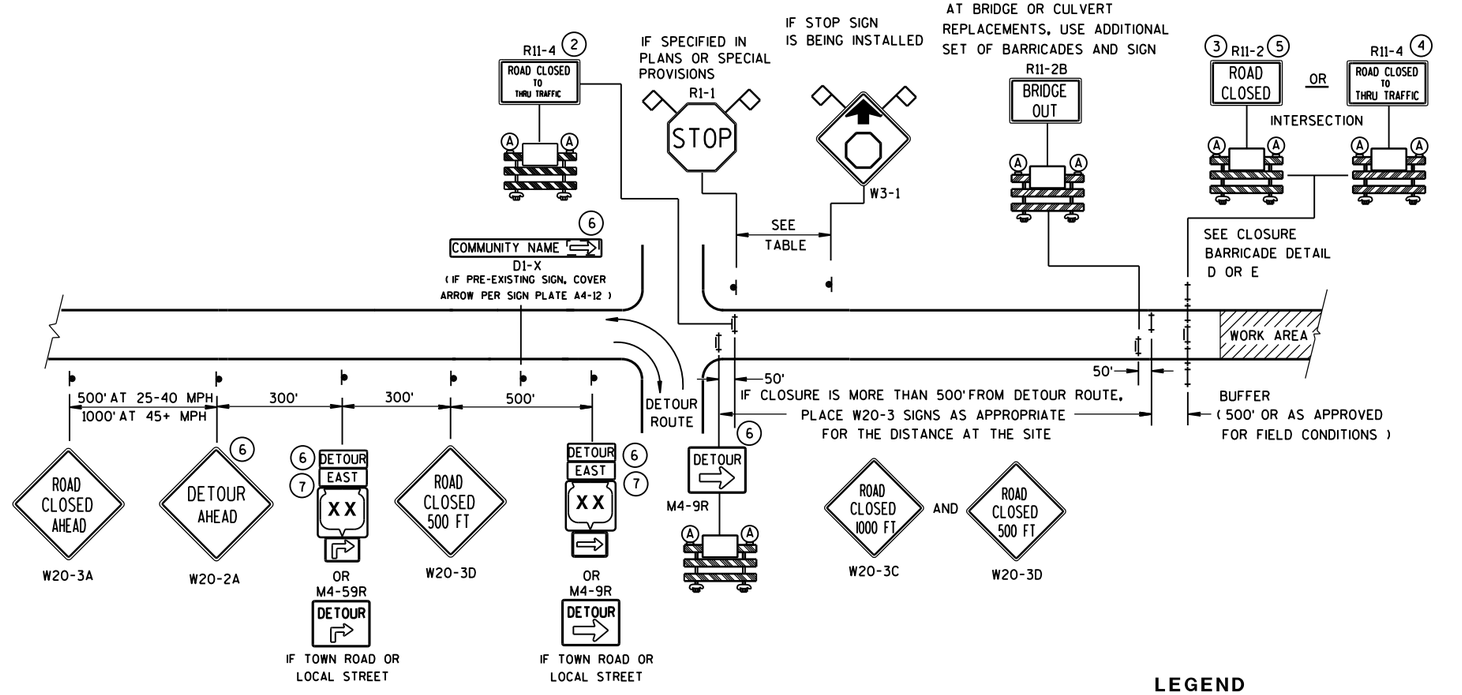
6

S.D.D. 8 E 10-2



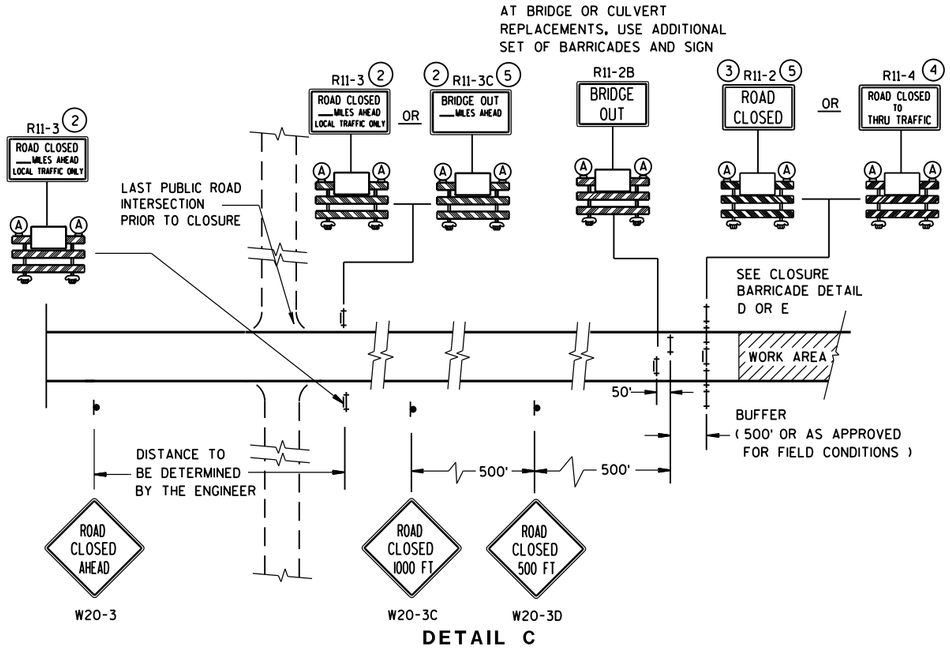
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN 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

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

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

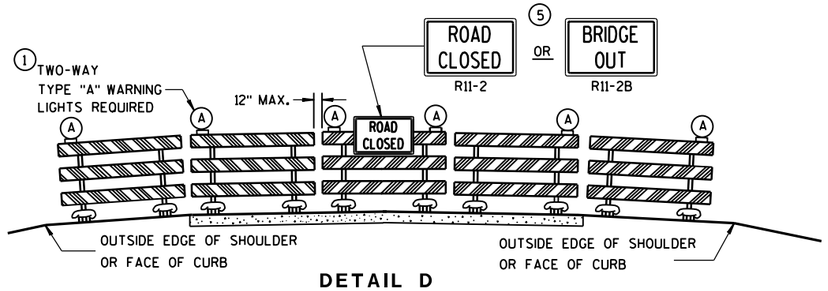
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

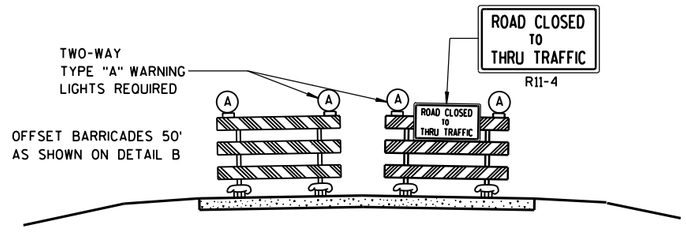
S.D.D. 15 C 2-6a



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 BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE 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, 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". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

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

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

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

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

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

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

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI — FIC

FHWA

6

S.D.D. 15 C 2-6b

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

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.

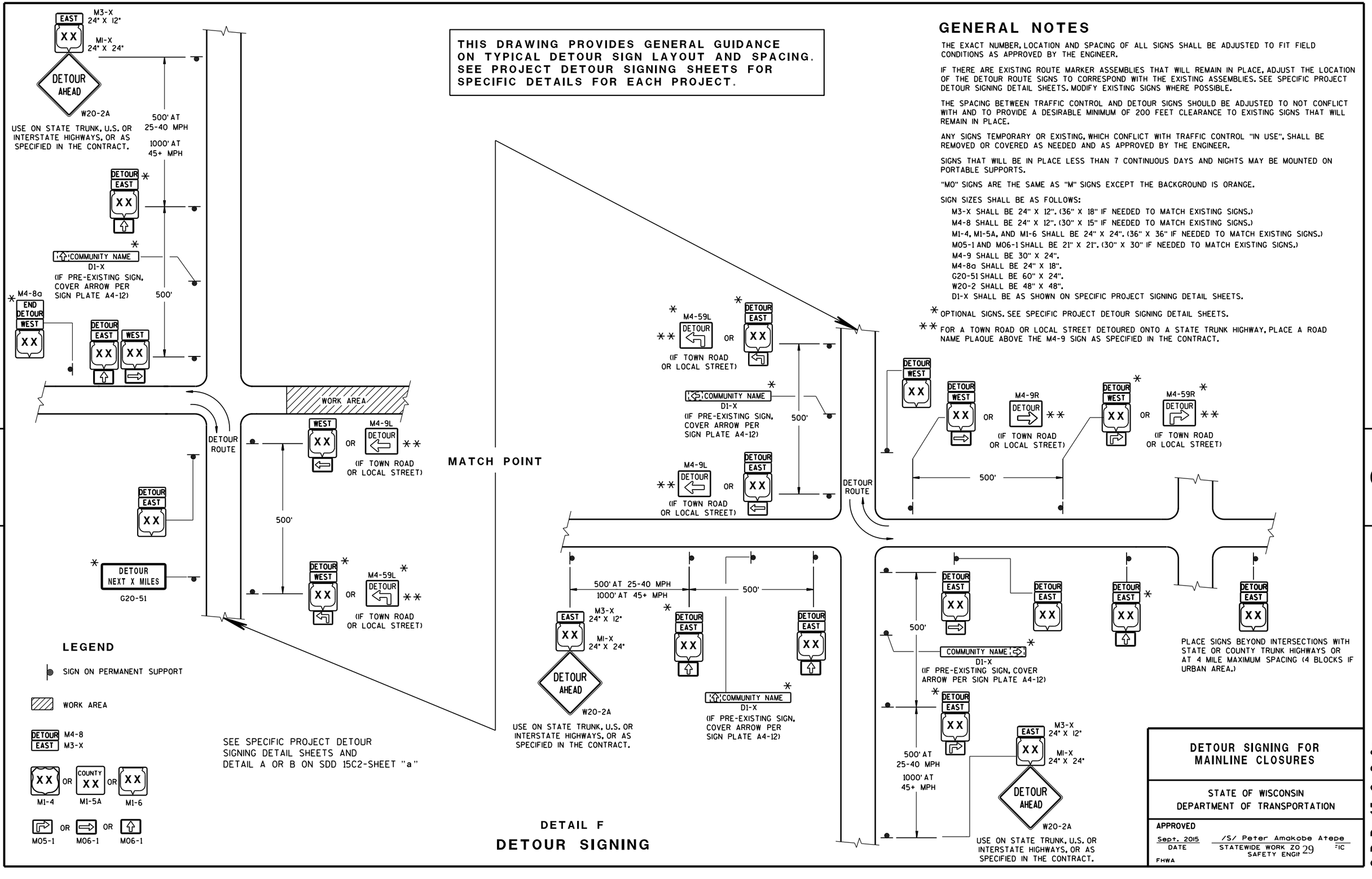
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- 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.



LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR EAST — M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- MO5-1 OR MO6-1 OR MO6-1

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

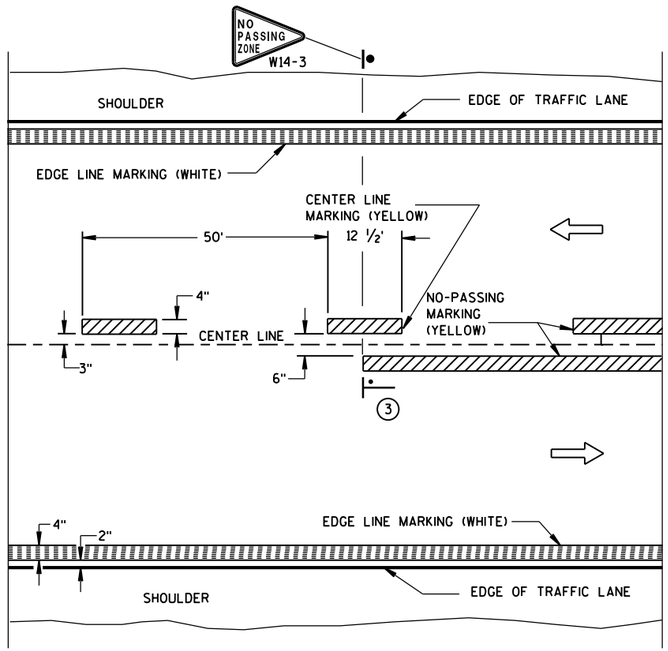
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO... SAFETY ENGI... FIC

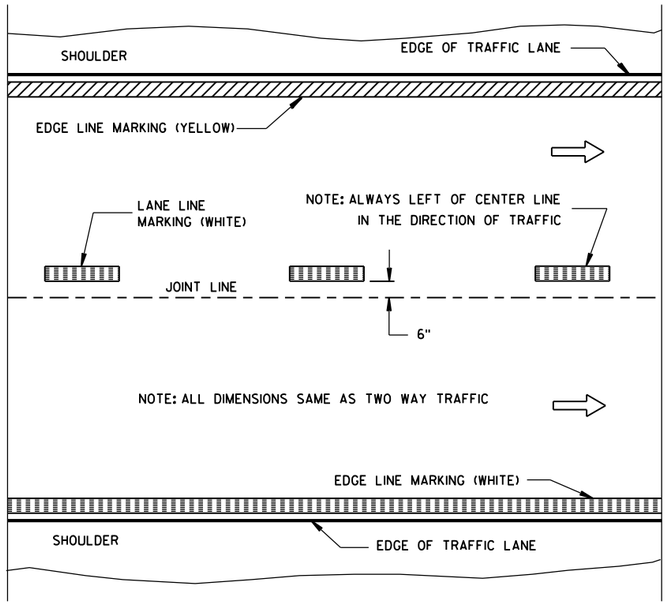
FHWA

S.D.D. 15 C 2-6c

6

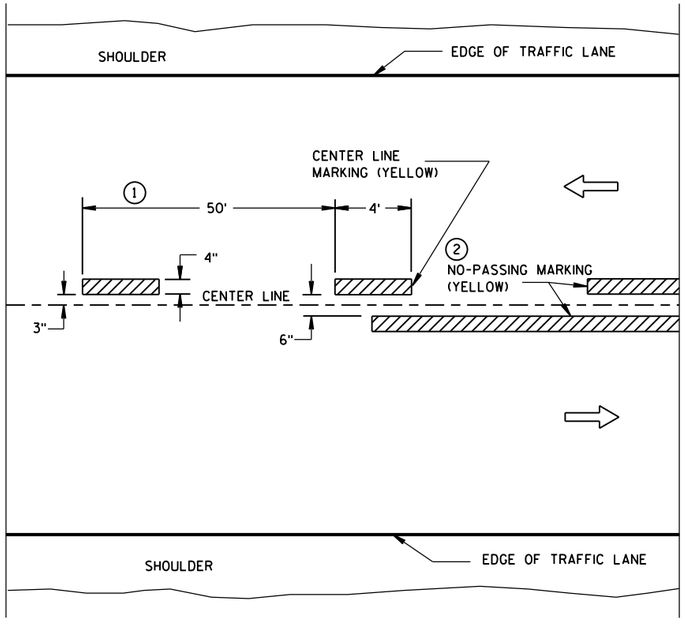


TWO WAY TRAFFIC

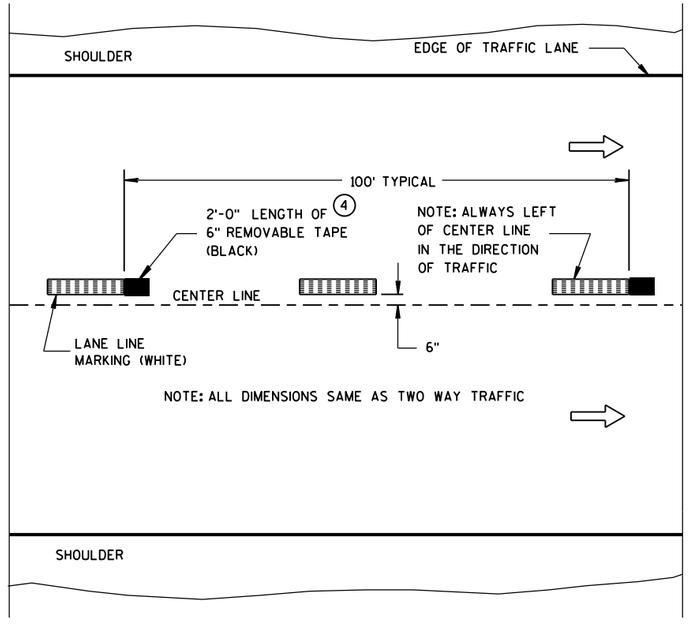


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

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

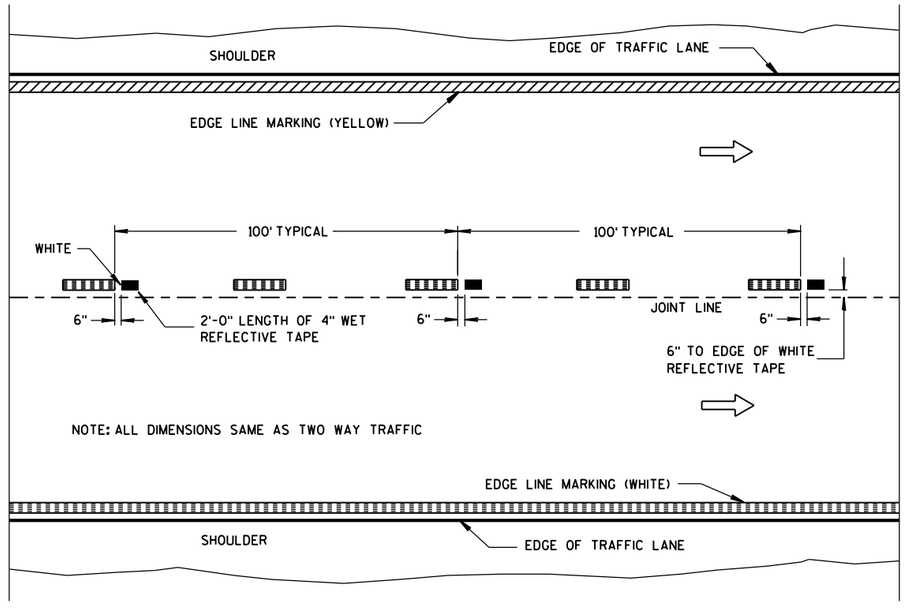
GENERAL NOTES

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

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

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



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

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

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

LEGEND

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

GENERAL NOTES

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

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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

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

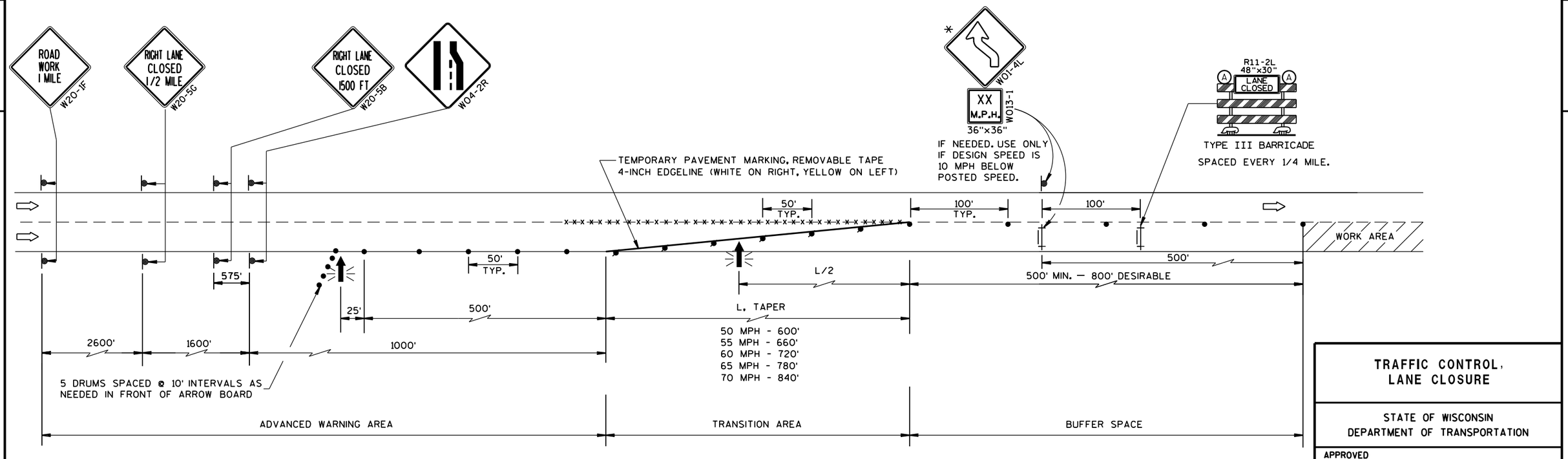
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

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

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

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



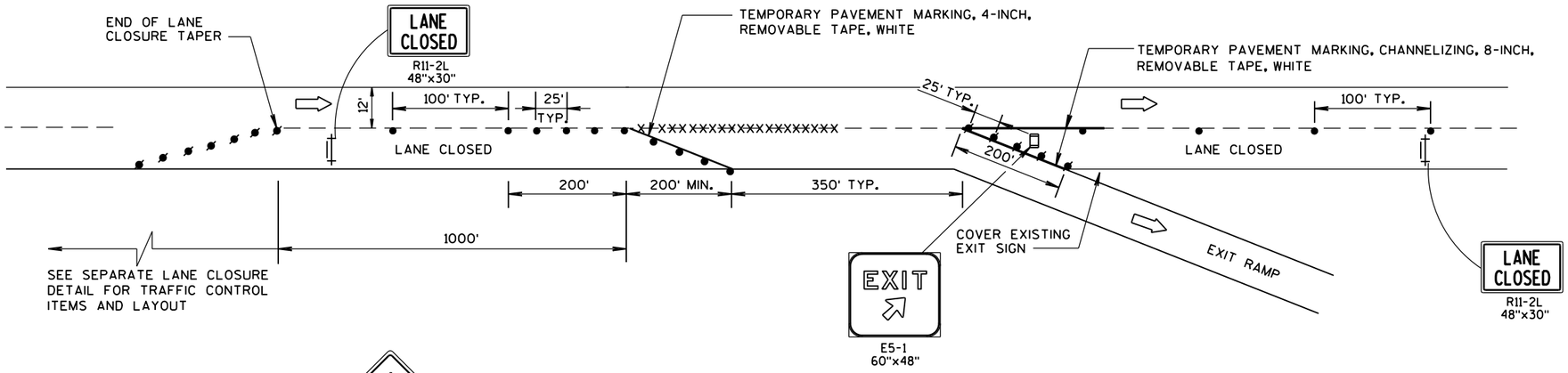
TRAFFIC CONTROL, LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

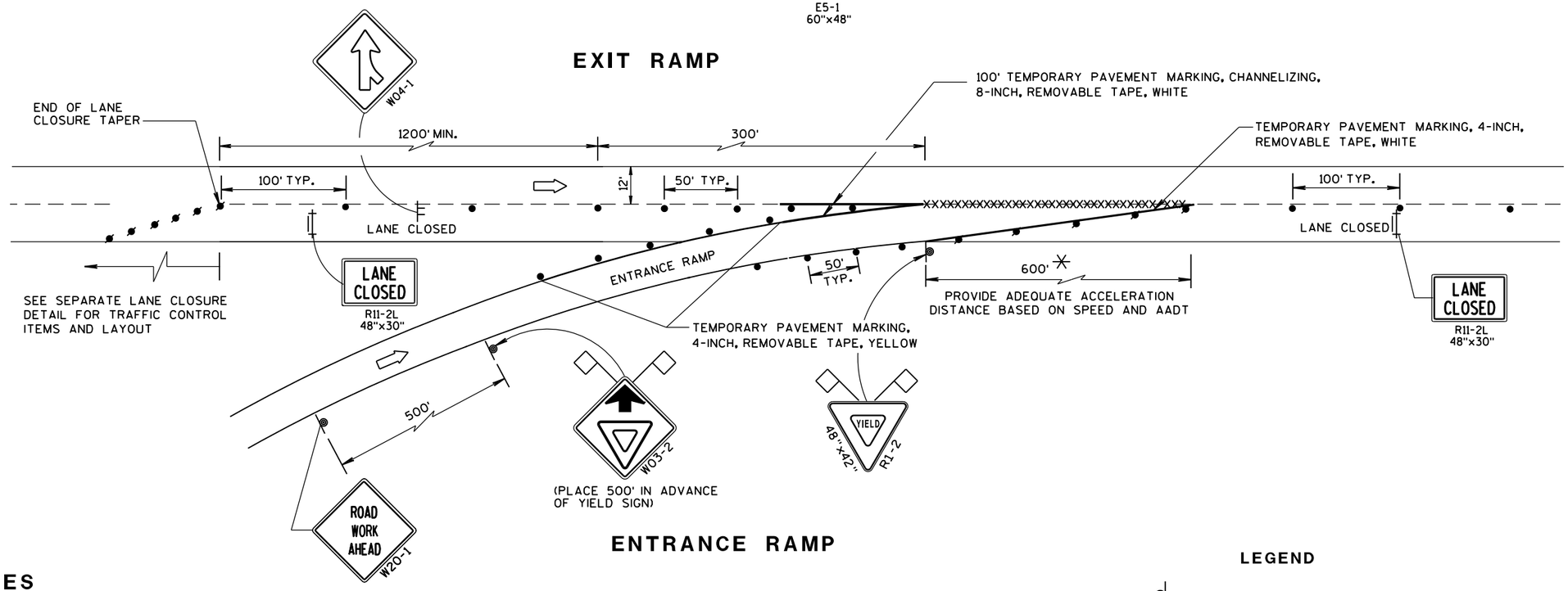
APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI IC
FHWA

S.D.D. 15 D 12-6a

S.D.D. 15 D 12-6a



EXIT RAMP



ENTRANCE RAMP

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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"x48" UNLESS OTHERWISE NOTED.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

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.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

* LENGTH OF OPENING MAY BE REDUCED TO 150 FEET DURING STAGING OF WORK IN IMMEDIATE AREA OF RAMP TAPER.

LEGEND

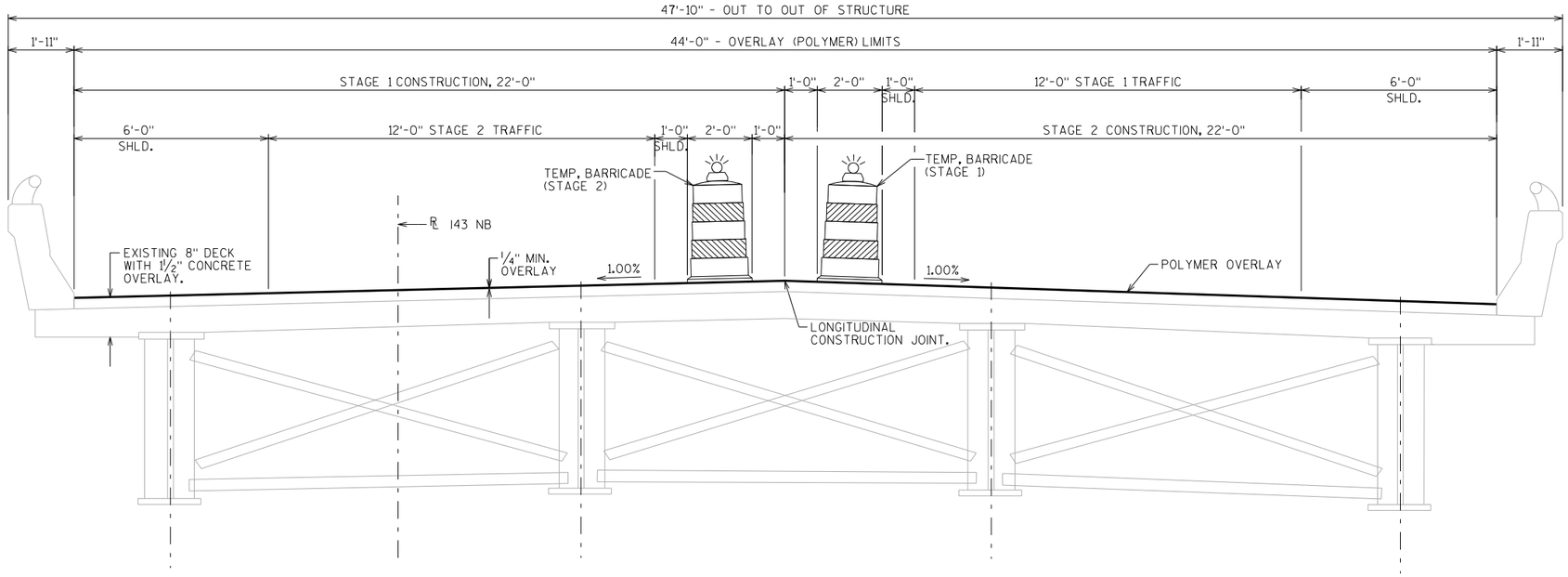
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" x 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE

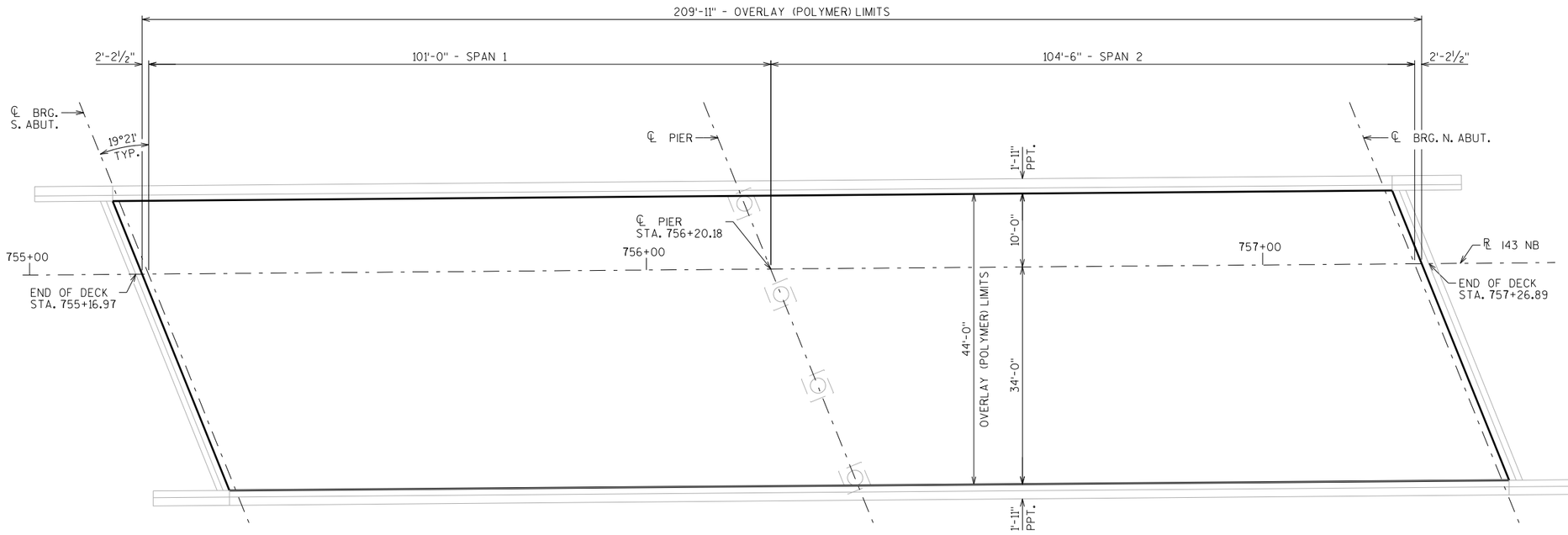
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

6
S.D.D. 15 D 15-2



CROSS SECTION THRU ROADWAY
(LOOKING NORTH)



PLAN

STATE PROJECT NUMBER

1090-02-74

DESIGN DATA

LIVE LOAD:
INVENTORY RATING : HS-17
OPERATING RATING : HS-30
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV) : 190 (KIPS)

TRAFFIC VOLUME

IH-43
A.D.T. (2039) : 39,800
R.D.S. : 70 MPH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
502.3210	PIGMENTED SURFACE SEALER	SY	204
509.5100.S	POLYMER OVERLAY	SY	1027

ALL ITEMS ARE CATEGORY 2000

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURES DESIGN CONTACTS:
DANIELLE DE TENNIS (608) 266-8689
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 1/18/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-64-88

IH 43 NB OVER STH 20

COUNTY: WALWORTH
TOWN: ~~CITY/VILLAGE~~ EAST TROY

DESIGN SPEC.: REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KCY	BCL	MJH	DFD

POLYMER OVERLAY

SHEET 1 OF 1

33

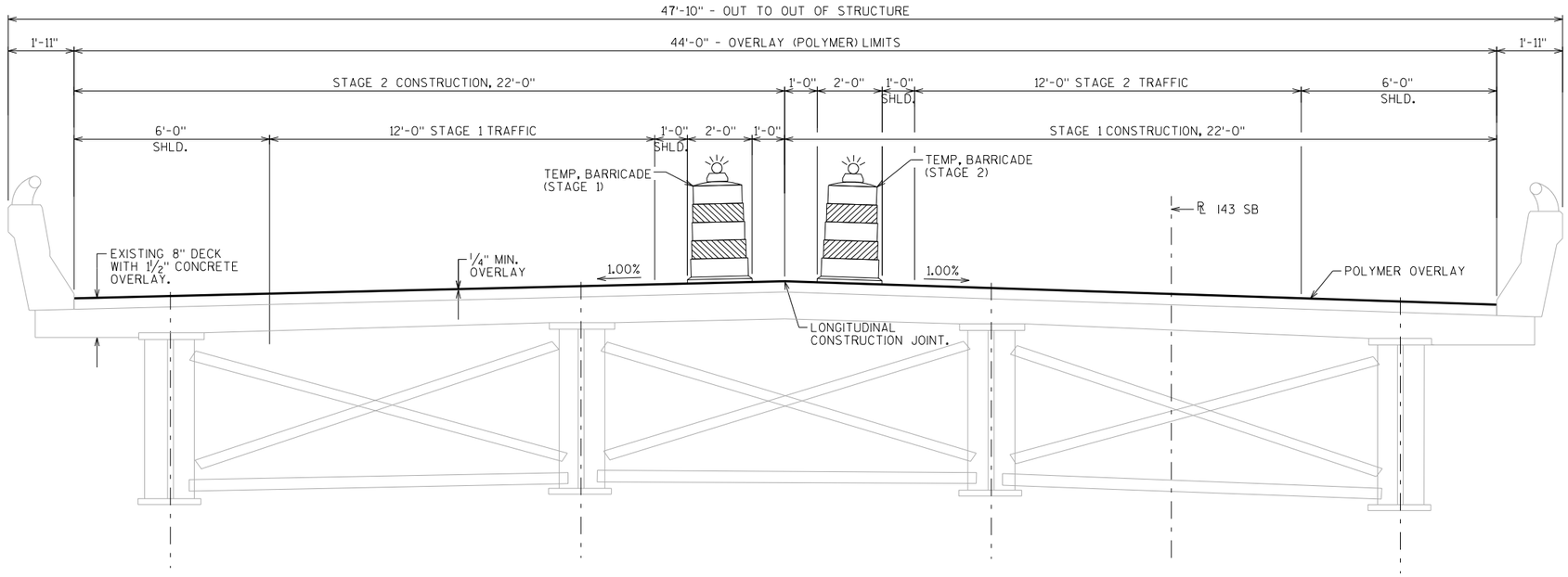
I.D. 1090-02-04A

DATE: OCT 2016

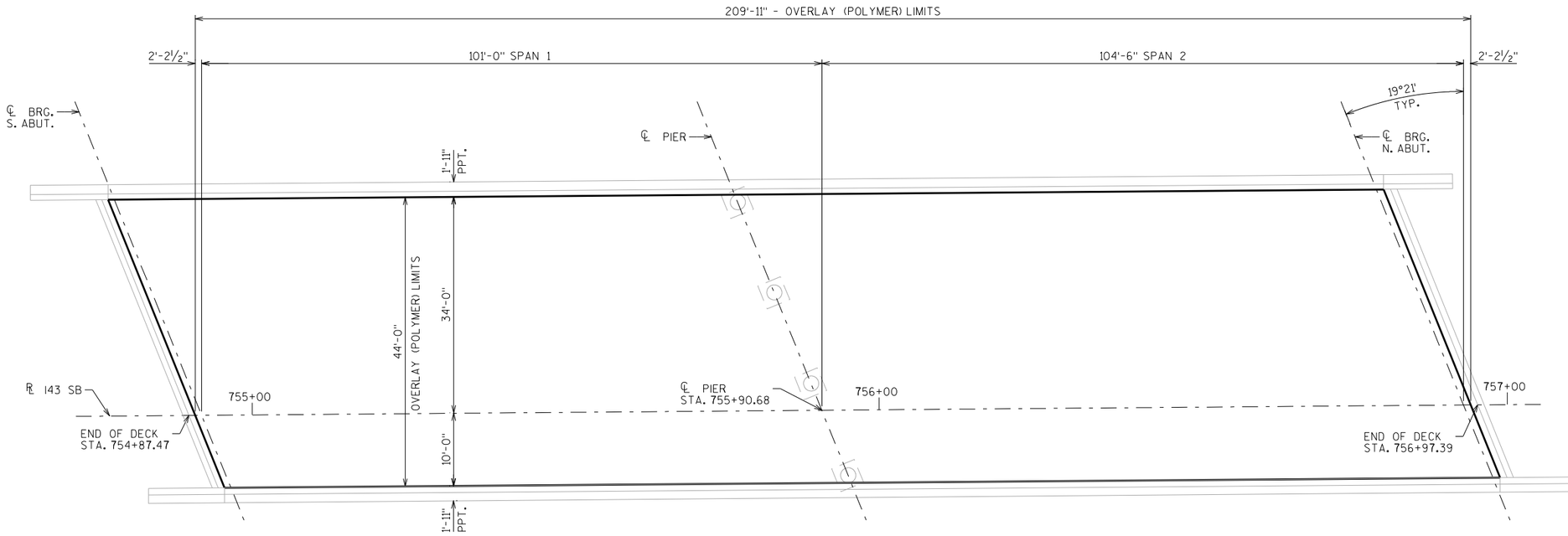
SCALE = 10

8

8



CROSS SECTION THRU ROADWAY
(LOOKING NORTH)



PLAN

STATE PROJECT NUMBER

1090-02-74

DESIGN DATA

LIVE LOAD:
INVENTORY RATING : HS-17
OPERATING RATING : HS-30
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV) : 190 (KIPS)

TRAFFIC VOLUME

IH-43
A.D.T. (2039) : 39,800
R.D.S. : 70 MPH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
502.3210	PIGMENTED SURFACE SEALER	SY	204
509.5100.S	POLYMER OVERLAY	SY	1027

ALL ITEMS ARE CATEGORY 2010

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURES DESIGN CONTACTS:
DANIELLE DE TENNIS (608) 266-8689
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS — 1/18/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-64-89

IH 43 SB OVER STH 20

COUNTY	TOWN/~~CITY/VILLAGE~~
WALWORTH	EAST TROY

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KCY	BCL	MJH	DFD

POLYMER OVERLAY

SHEET 1 OF 1

34

I.D. 1090-02-04B

DATE: OCT 2016

SCALE = 10

8

8

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

WKE APR 2017

PROJECT ID: 1100-05-71

WITH: 1030-06-74 & 1090-02-74

COUNTY: MILWAUKEE

13

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 = 50





DESIGN DESIGNATION

A.A.D.T.	2014	= 128,700
A.A.D.T.	2037	= 143,200
D.H.V.		= 13890
D.D.		= 50/50
T.		= 17.1%
DESIGN SPEED		= 60 MPH
ESALS		= N/A

CONVENTIONAL SYMBOLS

PLAN

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

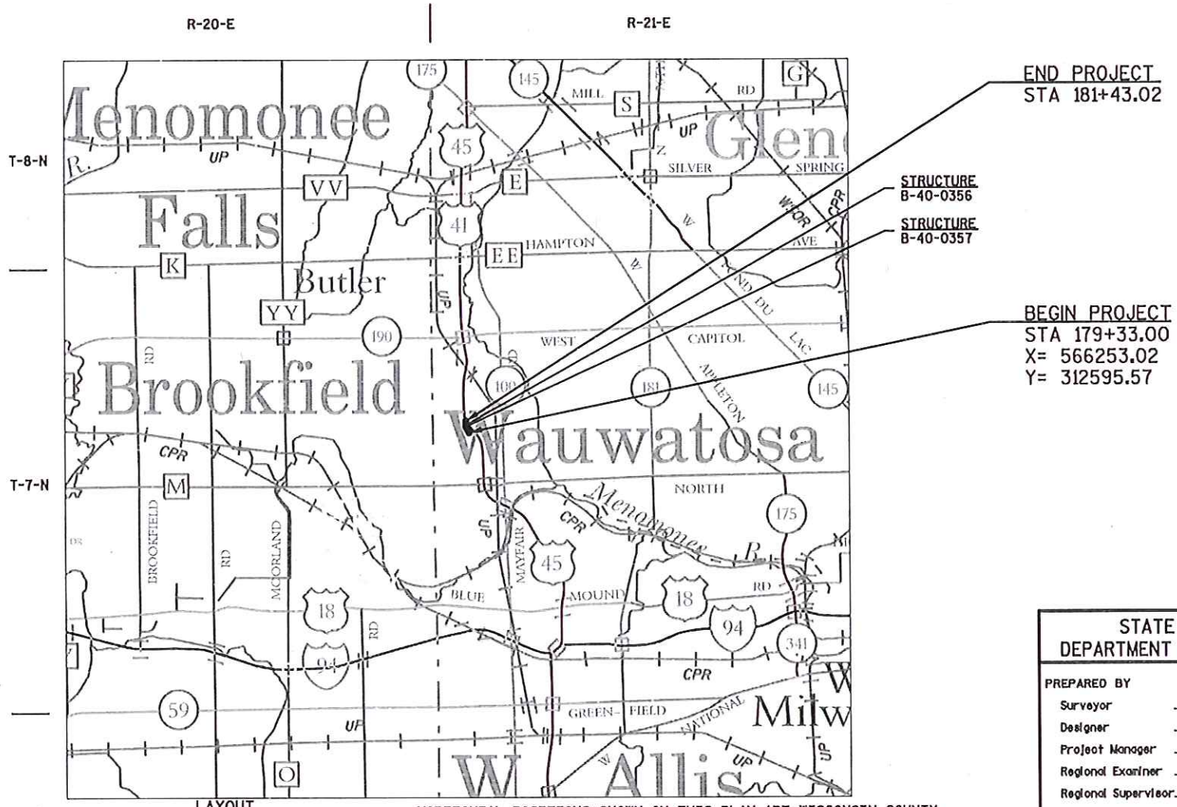
PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1100-05-71	WISC 2017185	1

USH 45
W BURLEIGH BRIDGE

USH 41
MILWAUKEE COUNTY

STATE PROJECT NUMBER
1100-05-71



TOTAL NET LENGTH OF CENTERLINE = 0.000 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, MILWAUKEE COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	EVAN LIMBERATOS
Project Manager	EVAN LIMBERATOS
Regional Examiner	
Regional Supervisor	JOE GALLAMORE

APPROVED FOR THE DEPARTMENT
DATE: 1/17/17 (Signature)

E

STANDARD ABBREVIATIONS

BM	BENCH MARK
C/L	CENTER OR CONSTRUCTION LINE
D	LANE DISTRIBUTION
DHV	DESIGN HOURLY VOLUME
DIM	DIMENSION
EB	EASTBOUND
HMA	HOT MIX ASPHALT
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
NB	NORTHBOUND
NORM	NORMAL
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
RT	RIGHT
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
STA	STATION
SY	SQUARE YARD
TYP	TYPICAL
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
WB	WESTBOUND
V	DESIGN SPEED

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
PLAN DETAILS / EROSION CONTROL
PAVEMENT MARKING
TRAFFIC CONTROL

CONTACTS

WISDOT REGION CONTACT

EVAN LIMBERATOS, PROJECT MANAGER
141 NW BARSTOW ST.
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evan.limberatos@dot.wi.gov

WISDNR CONTACT

KRISTINA BETZOLD
2300 N DR. MARTIN LUTHER KING JR. DR.
MILWAUKEE, WI 53212
PHONE: (414) 263-8517
kristina.betzold@wisconsin.gov

GENERAL NOTES

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

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

NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED.

EROSION CONTROL BMPS ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND BY THE ENGINEER. EROSION CONTROL BMPS SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

WHILE HIGH FRICTION SURFACE TREATMENT OR POLYMER OVERLAY IS BEING APPLIED, ALL INLETS RECEIVING INLET PROTECTION AS SHOWN ON PLANS, SHALL ALSO BE COVERED WITH EITHER PLYWOOD OR STEEL PLATE. COVERING AND UNCOVERING INLETS IS INCEDENTAL TO PROVIDING INLET PROTECTION.

2

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

2

N

BURLEIGH ST

B-40-0356
IH 41/USH 41/USH 45 SB OVER BURLEIGH ST
POLYMER OVERLAY

RESIN BINDER HIGH FRICTION SURFACE TREATMENT (ROADWAY)

END PROJECT
STA 181+43.02

180 185 190 195

IH 41/USH 41/USH 45 SB

IH 41/USH 41/USH 45 NB

B-40-0357
IH 41/USH 41/USH 45 NB OVER BURLEIGH ST
POLYMER OVERLAY

BEGIN PROJECT
STA 179+33.00

175 170 165

IH 41/USH 41/USH 45 SB

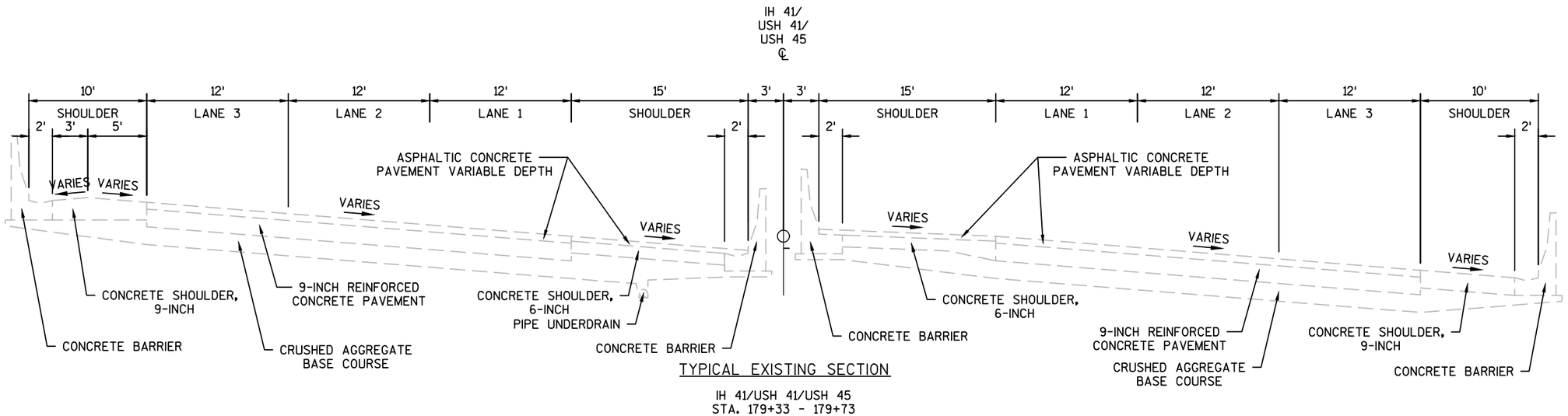
IH 41/USH 41/USH 45 NB

ATHLETIC FIELD

WATER TOWER

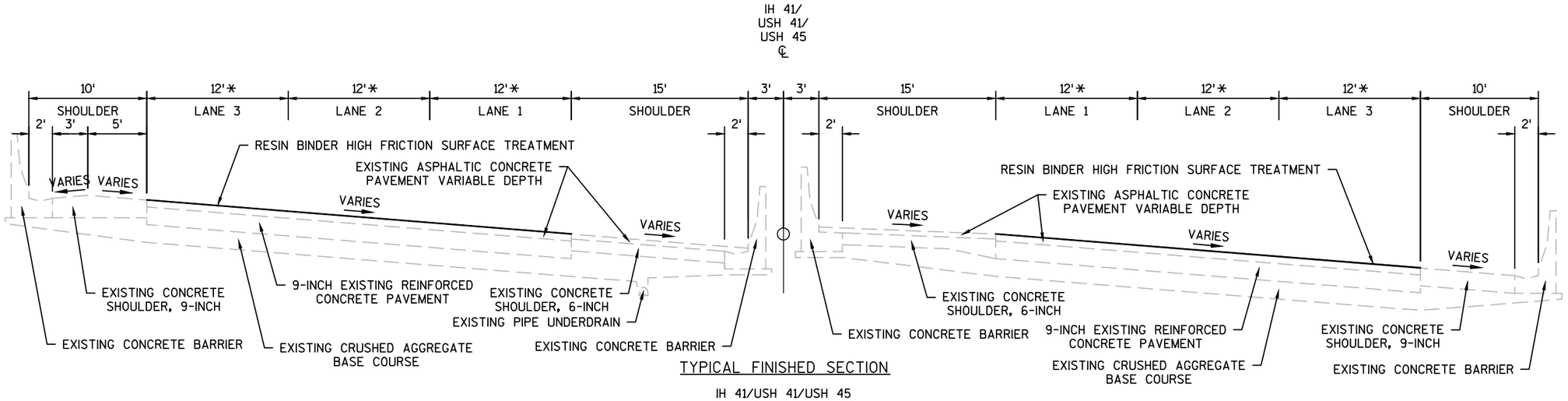
PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET 3	E

2



TYPICAL EXISTING SECTION

IH 41/USH 41/USH 45
STA. 179+33 - 179+73



TYPICAL FINISHED SECTION

IH 41/USH 41/USH 45
STA. 179+33 - 179+73

*SURFACE AREA TO RECEIVE RESIN BINDER HIGH FRICTION SURFACE TREATMENT

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 4	E

LEGEND

RESIN BINDER HIGH FRICTION SURFACE TREATMENT

INLET PROTECTION TYPE B

N

BURLEIGH ST

BURLEIGH ST

EXISTING HIGH FRICTION SURFACE TREATEMENT

RESIN BINDER HIGH FRICTION SURFACE TREATMENT

STRUCTURE B-40-0356
POLYMER OVERLAY
SEE STRUCTURE PLANS

END PROJECT
STA 181+43.02

36'

36'

IH 41/USH 41/USH 45 SB

IH 41/USH 41/USH 45 NB

177+00

178+00

179+00

180+00

181+00

182+00

183+00

184+00

BEGIN PROJECT
STA 179+33.00

℄ IH 41/USH 41/USH 45

OPENINGS ALONG BARRIER TO BE
COVERED WITH SAND BAGS

MATCH EXISTING HIGH FRICTION SURFACE TREATMENT

STRUCTURE B-40-0357
POLYMER OVERLAY
SEE STRUCTURE PLANS

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	PLAN DETAILS / EROSION CONTROL	SHEET 5	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\PLAN SHEETS\1100-05-01_PLAN_BURLEIGH.DWG
LAYOUT NAME - 021201-PD

PLOT DATE : 1/12/2017 1:40 PM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:50 FT

LEGEND

1 PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)

4 PAVEMENT MARKING CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)

8 PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

BURLEIGH ST

BURLEIGH ST

PT: 179+34.19

IH 41/USH 41/USH 45 SB

IH 41/USH 41/USH 45 NB

℄ IH 41/USH 41/USH 45

177+00 178+00 179+00 180+00 181+00 182+00 183+00 184+00

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 6	E

GENERAL NOTES FOR TRAFFIC CONTROL

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

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

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

4) FOR NIGHTTIME OPERATIONS ALL DRUMS IN TAPERS SHALL HAVE A TYPE C STEADY BURN WARNING LIGHT.

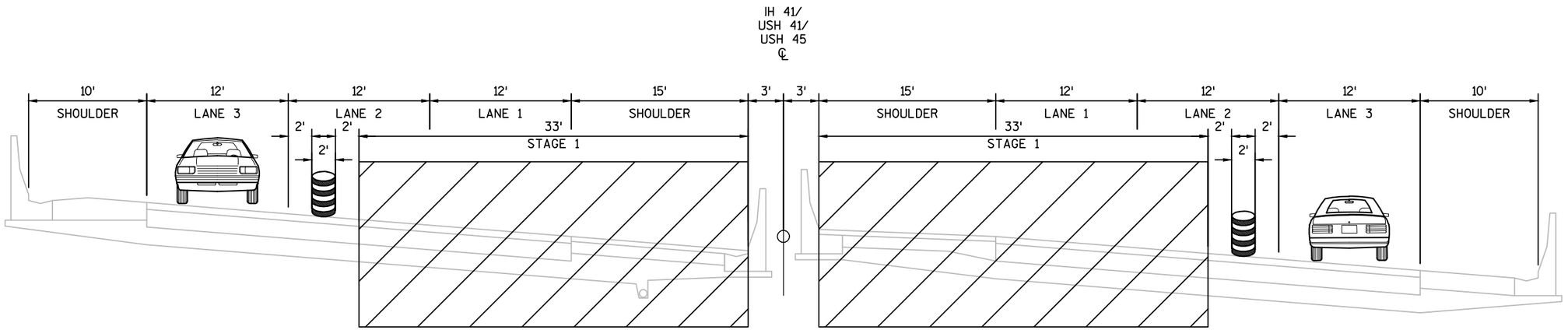
5) ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED, AND EQUIPED WITH TWO TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.

6) INSTALL PROPOSED TRAFFIC CONTROL SIGNS ON BOTH OUSIDE SHOULDER AND MEDIAN SIDE OF ALL DIVIDED ROADWAYS OR AS DIRECTED BY THE ENGINEER.

7) ALL LANE AND RAMP CLOSURES TO PERFORM CONTRACT WORK SHALL BE INCIDENTAL TO ITEM 643.0100.03.

8) FOR TWO LANE CLOSURES FOLLOW SDD "TRAFFIC CONTROL - TYPICAL TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)."

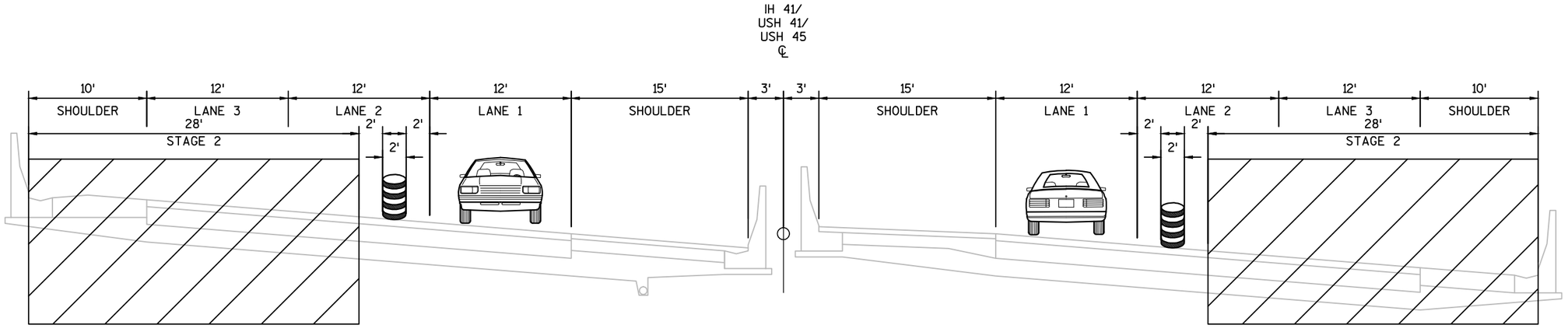
2



TYPICAL SECTION - STAGE 1

IH 41/USH 41/USH 45 SB
STA. 178+00 - 188+90

IH 41/USH 41/USH 45 NB
STA. 145+00 - 183+00



TYPICAL SECTION - STAGE 2

IH 41/USH 41/USH 45 SB
STA. 178+00 - 188+90

IH 41/USH 41/USH 45 NB
STA. 145+00 - 183+00

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 8	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_TYPICAL SECTIONS.DWG
LAYOUT NAME - 025001-TC
PLOT DATE : 1/13/2017 9:44 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

NORTH AVE WB

NORTH AVE EB

G20-2A
48"X24"
END
ROAD WORK

700'

ROAD
WORK
AHEAD
W20-1-A

RAMP
CLOSED
AHEAD
W020-53A

RAMP WILL
BE CLOSED
(TIME)
BEGINNING
(DATE)
R11-51
48"X48"

R11-2-R
48"X30"
RAMP
CLOSED

25'

25'

IH 41/USH41/USH 45 SB

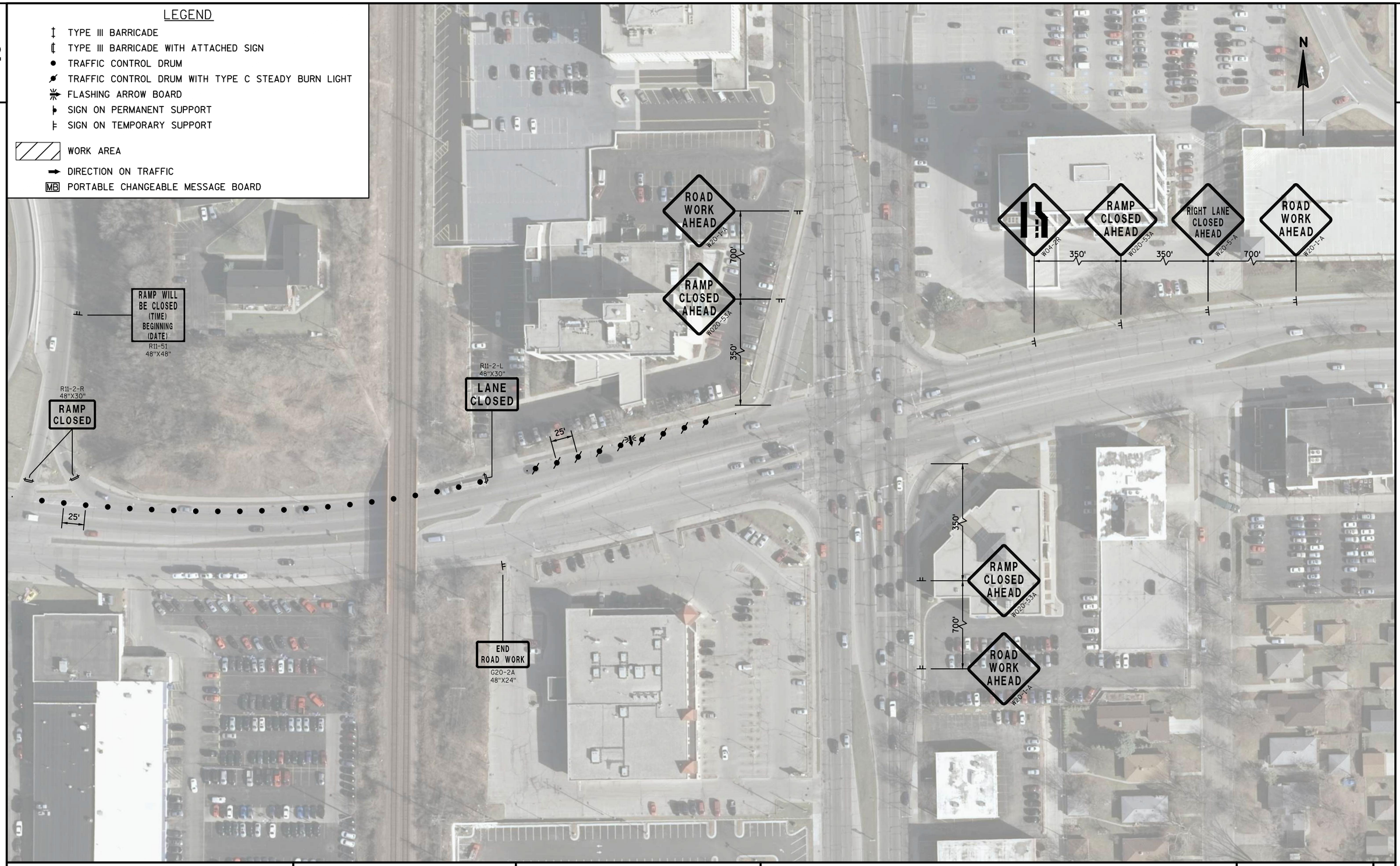
IH 41/USH41/USH 45 NB

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL DETAIL - NORTH AVE ON RAMP CLOSURE	SHEET 9	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL DETAIL - NORTH AVE ON RAMP CLOSURE	SHEET 10	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL DETAIL_NORTH AVE ON RAMP CLOSURE.DWG
LAYOUT NAME - 025003_TC
PLOT DATE : 1/13/2017 9:45 AM
PLOT BY : LIMBERATOS, EVAN P
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

MAYFAIR RD (STH 100)

MAYFAIR RD (STH 100)

IH 41/USH 41/USH 45 SB

IH 41/USH 41/USH 45 NB

88 90 92 94 96 98 100 102

50'

660' TAPER

MB

500'

2600'

1100'

500'

500'

LEFT TWO LANES CLOSED 1 MILE
W020-59-F

LEFT TWO LANES CLOSED 1/2 MILE
W020-59-G

LEFT TWO LANES CLOSED 1500 FT
W020-59-B

W04-2L

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

END ROAD WORK
G20-2A
48"X24"

UNDERWOOD PKWY

FISHER PKWY

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1	SHEET 11	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 1.DWG
LAYOUT NAME - 025004-TC

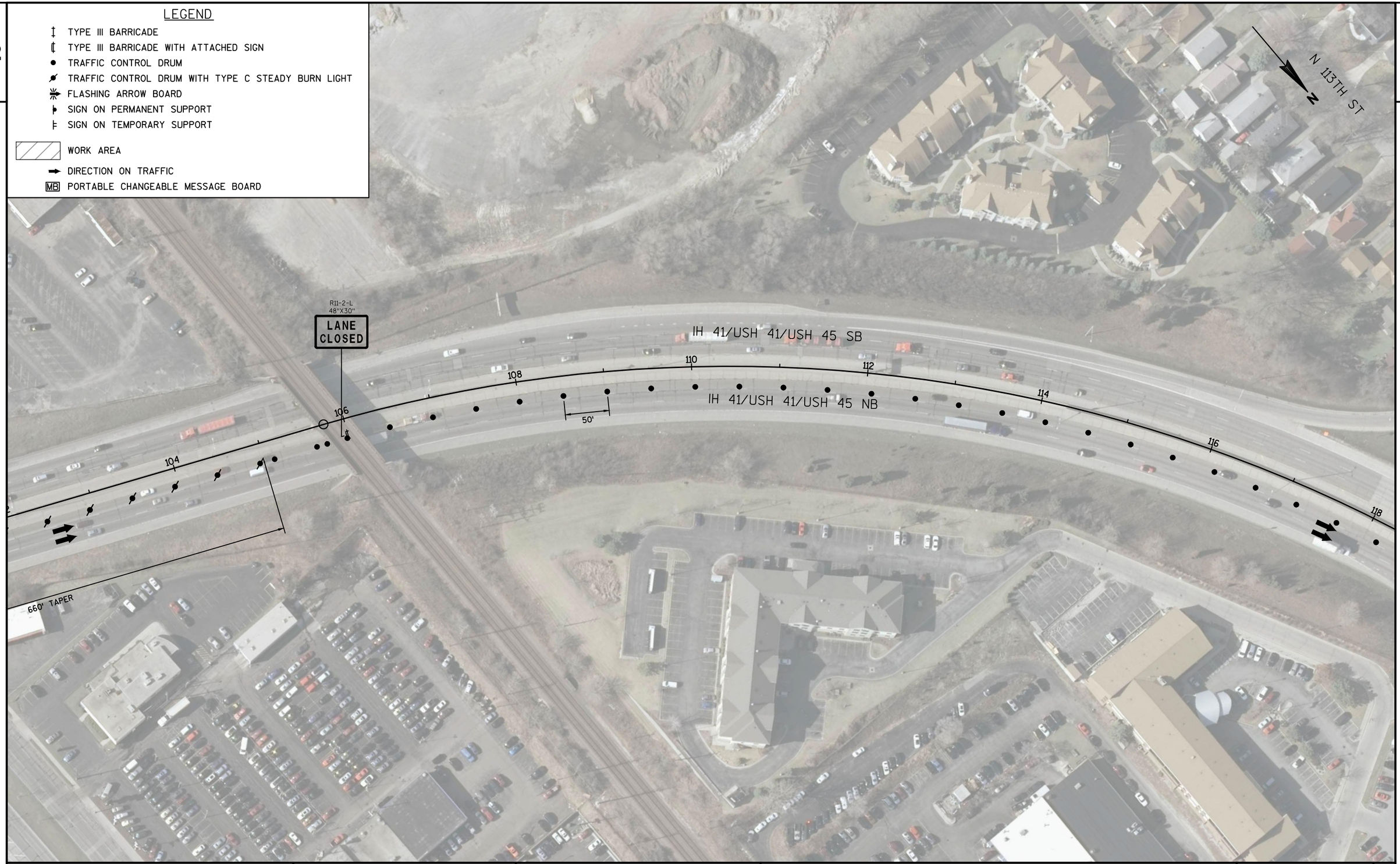
PLOT DATE : 1/13/2017 9:46 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO:1100-05-71	HWY:IH 41/USH 41/USH 45	COUNTY:MILWAUKEE	TRAFFIC CONTROL STAGE I	SHEET 12 E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 1.DWG
LAYOUT NAME - 025005-TC

PLOT DATE : 1/13/2017 9:46 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

W004-2L

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

N 113TH ST

IH 41/USH 41/USH 45 SB

IH 41/USH 41/USH 45 NB

120 122 124 126 128 130 132

118

50'

LANE CLOSED
R11-2-L
48"X30"

END ROAD WORK
G20-2A
48"X24"

ON RAMP CLOSED, FOLLOW TRAFFIC CONTROL DETAIL:
NORTH AVE ON RAMP CLOSURE

NORTH AVE

NORTH AVE

MEINECKE AVE

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1	SHEET 13	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

CLARKE ST

N 113TH ST

IH 41/USH 41/USH 45 SB

132 134 136 138 140 142 144 146

50'

IH 41/USH 41/USH 45 NB

100'

660' TAPER

LANE CLOSED
R11-2-L
48"X30"

N 112TH ST

MEINECKE AVE

PROJECT NO:1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I	SHEET 14	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 1.DWG
LAYOUT NAME - 025007-TC

PLOT DATE : 1/13/2017 9:46 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

CENTER ST

N 113TH ST

148

150

152

154

156

158

160

162

IH 41/USH 41/USH 45 SB

IH 41/USH 41/USH 45 NB

LANE CLOSED
R11-2-L
48"X30"

N 112TH ST

100'

LANE CLOSED
R11-2-L
48"X30"

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I	SHEET 15	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

G20-2A
48"X24"
END
ROAD WORK

IH 41/USH 41/USH 45 SB

IH 41/USH 41/USH 45 NB

162 164 166 168 170 172 174 176

100'

LANE
CLOSED
R11-2-L
48"X30"

END
ROAD WORK
G20-2A
48"X24"

LOCUST ST

N 114TH ST

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I	SHEET 16	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 1.DWG
LAYOUT NAME - 025009-TC

PLOT DATE : 1/13/2017 9:46 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

BURLEIGH ST

BURLEIGH ST

C20-2A
48"X24"
END
ROAD WORK

660' TAPER

100'

50'

IH 41/USH 41/USH 45 SB

IH 41/USH 41/USH 45 NB

178 180 182 184 186 188 190

100'

LANE
CLOSED
R11-2-L
48"X30"

END
ROAD WORK
G20-2A
48"X24"

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I	SHEET 17	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 1.DWG
LAYOUT NAME - 025010-TC

PLOT DATE : 1/13/2017 9:46 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

R11-2-L
48"X30"
LANE CLOSED

660' TAPER

IH 41/USH 41/USH 45 SB

IH 41/USH 41/USH 45 NB

50'

192 194 196 198 200 202 204 206

W04-2L

50
M.P.H.

W013-1
36"X36"

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1	SHEET 18	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 1.DWG
LAYOUT NAME - 025011-TC

PLOT DATE : 1/13/2017 9:46 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I	SHEET 19	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 1.DWG
LAYOUT NAME - 025012-TC

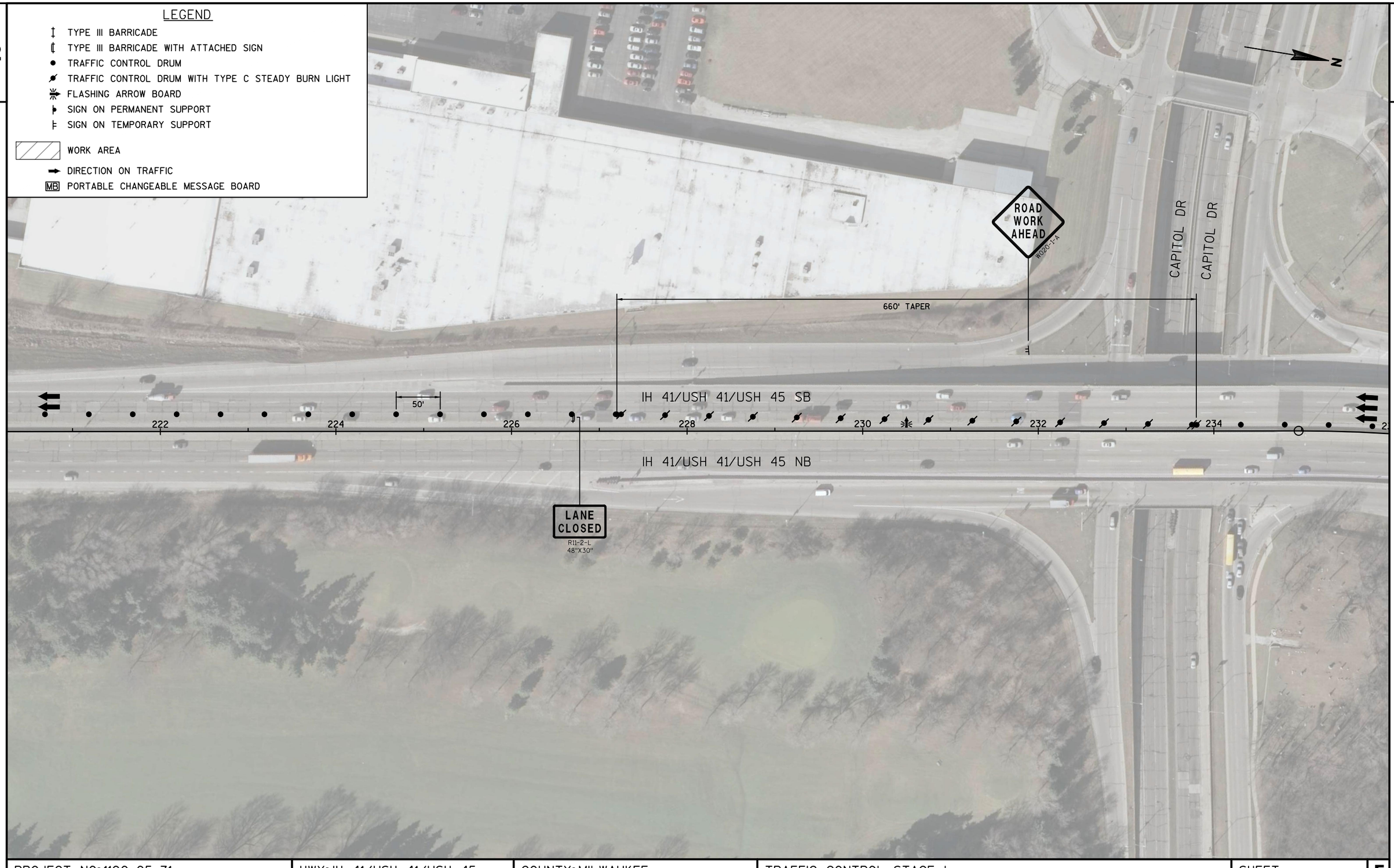
PLOT DATE : 1/13/2017 9:46 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



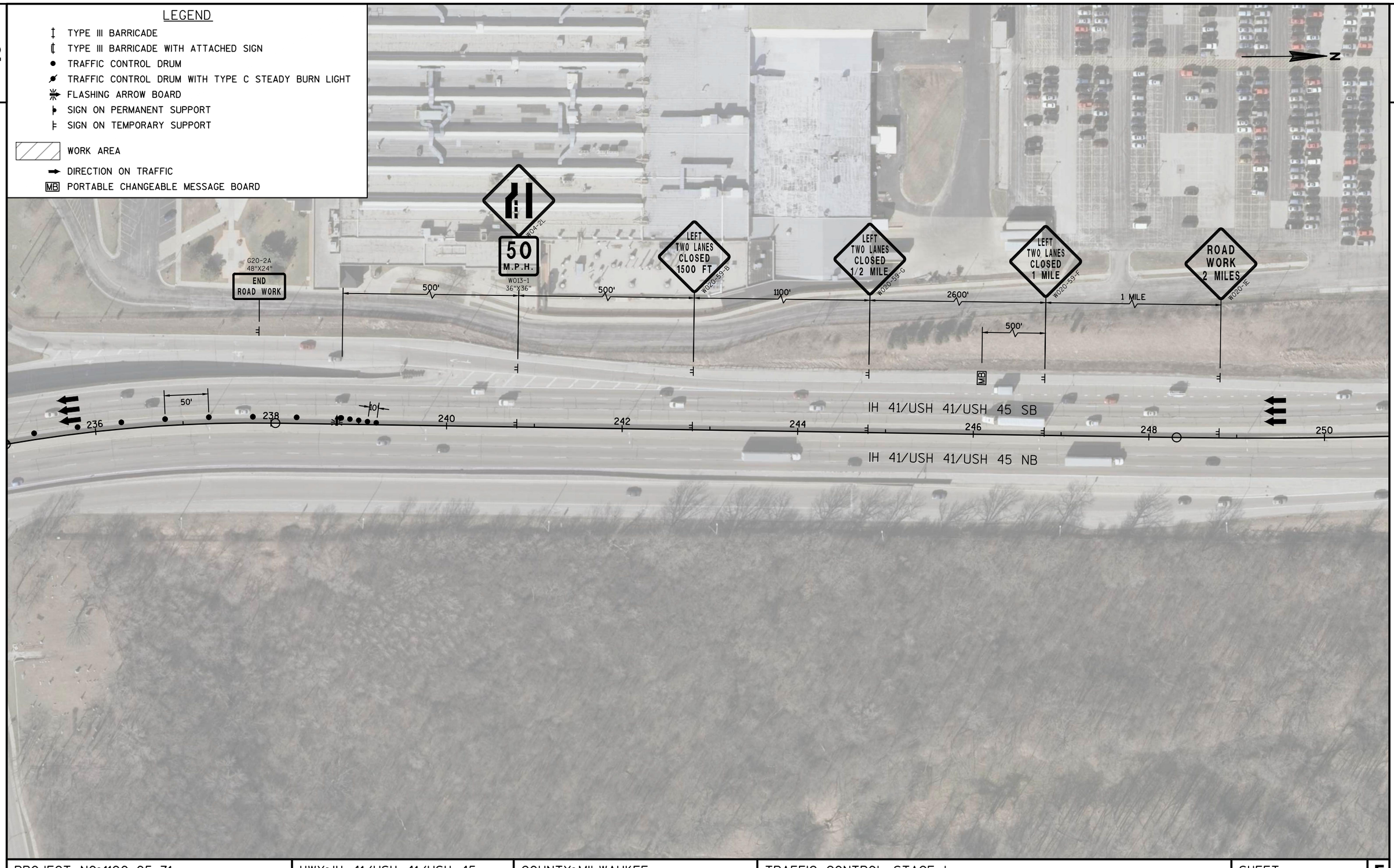
2

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I	SHEET 20	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I	SHEET 21	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 1.DWG
LAYOUT NAME - 025014-TC

PLOT DATE : 1/13/2017 9:46 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

MAYFAIR RD (STH 100)

MAYFAIR RD (STH 100)

IH 41/USH 41/USH 45 SB

IH 41/USH 41/USH 45 NB

88 90 92 94 96 98 100 102

MB

500'

2600'

1100'

500'

500'

50'

25'

660' TAPER

RIGHT TWO LANES CLOSED 1 MILE
W020-58-F

RIGHT TWO LANES CLOSED 1/2 MILE
W020-58-G

RIGHT TWO LANES CLOSED 1500 FT
W020-58-B

W04-2R

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

END ROAD WORK
G20-2A
48"X24"

UNDERWOOD PKWY

FISHER PKWY

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II	SHEET 22	E

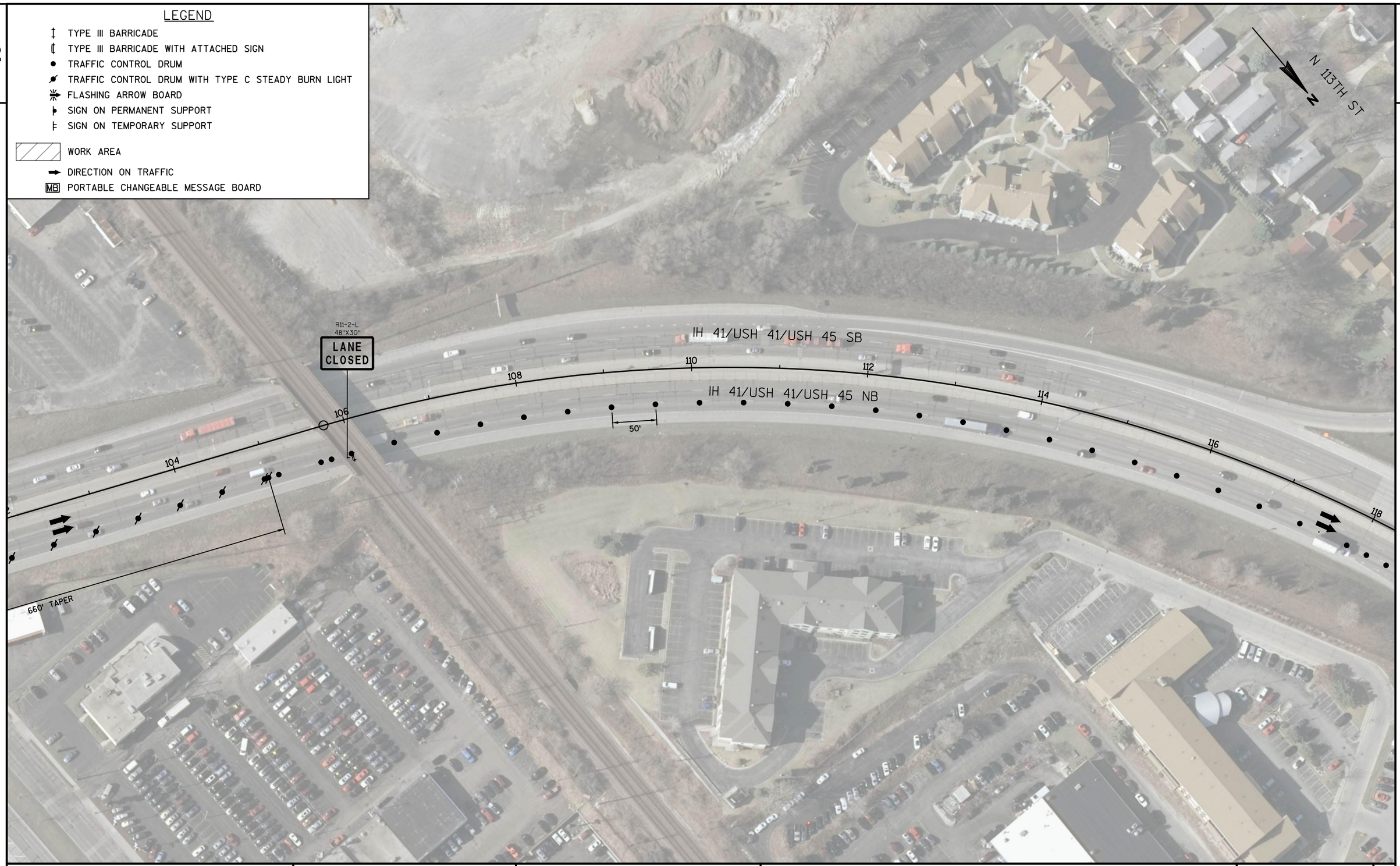
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LAYOUT NAME - 025015-TC

PLOT DATE : 1/13/2017 9:47 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II	SHEET 23	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 2.DWG
LAYOUT NAME - 025016-TC

PLOT DATE : 1/13/2017 9:47 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

E5-1
72"X60"
EXIT

W04-2R
50
M.P.H.
W013-1
36"X36"
N 113TH ST

IH 41/USH 41/USH 45 SB

IH 41/USH 41/USH 45 NB

120 122 124 126 128 130 132 118

25' 50' 25' 50'

LANE CLOSED
R11-2-L
48"X30"

END ROAD WORK
G20-2A
48"X24"

RAMP CLOSED, FOLLOW TRAFFIC CONTROL DETAIL:
NORTH AVE ON RAMP CLOSURE

NORTH AVE

NORTH AVE

MEINECKE AVE

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II	SHEET 24	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 2.DWG
LAYOUT NAME - 025017-TC

PLOT DATE : 1/13/2017 9:47 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

CLARKE ST

N 113TH ST

IH 41/USH 41/USH 45 SB

132 134 136 138 140 142 144 146

IH 41/USH 41/USH 45 NB

50'

100'

660' TAPER

LANE CLOSED
R11-2-L
48"X30"

RAMP CLOSED AHEAD
W020-53A

N 112TH ST

MEINECKE AVE

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II	SHEET 25	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 2.DWG
LAYOUT NAME - 025018-TC

PLOT DATE : 1/13/2017 9:47 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

CENTER ST

N 113TH ST

R11-2-L
48"X30"
LANE CLOSED

148

150

IH 41/USH 41/USH 45 SB

152

154

156

158

160

162

25'

IH 41/USH 41/USH 45 NB

100'

N 112TH ST

RAMP CLOSED 1000FT
W020-53C

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II	SHEET 26	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 2.DWG
LAYOUT NAME - 025019-TC

PLOT DATE : 1/13/2017 9:47 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

IH 41/USH 41/USH 45 SB

IH 41/USH 41/USH 45 NB

162 164 166 168 170 172 174 176

25'

100'

G20-2A
48"X24"
END
ROAD WORK

RAMP
CLOSED
R11-2-R
48"X30"

RAMP
CLOSED
R11-2-R
48"X30"

LANE
CLOSED
R11-2-L
48"X30"

RAMP WILL
BE CLOSED
(TIME)
BEGINNING
(DATE)
R11-51
48"X48"

LOCUST ST

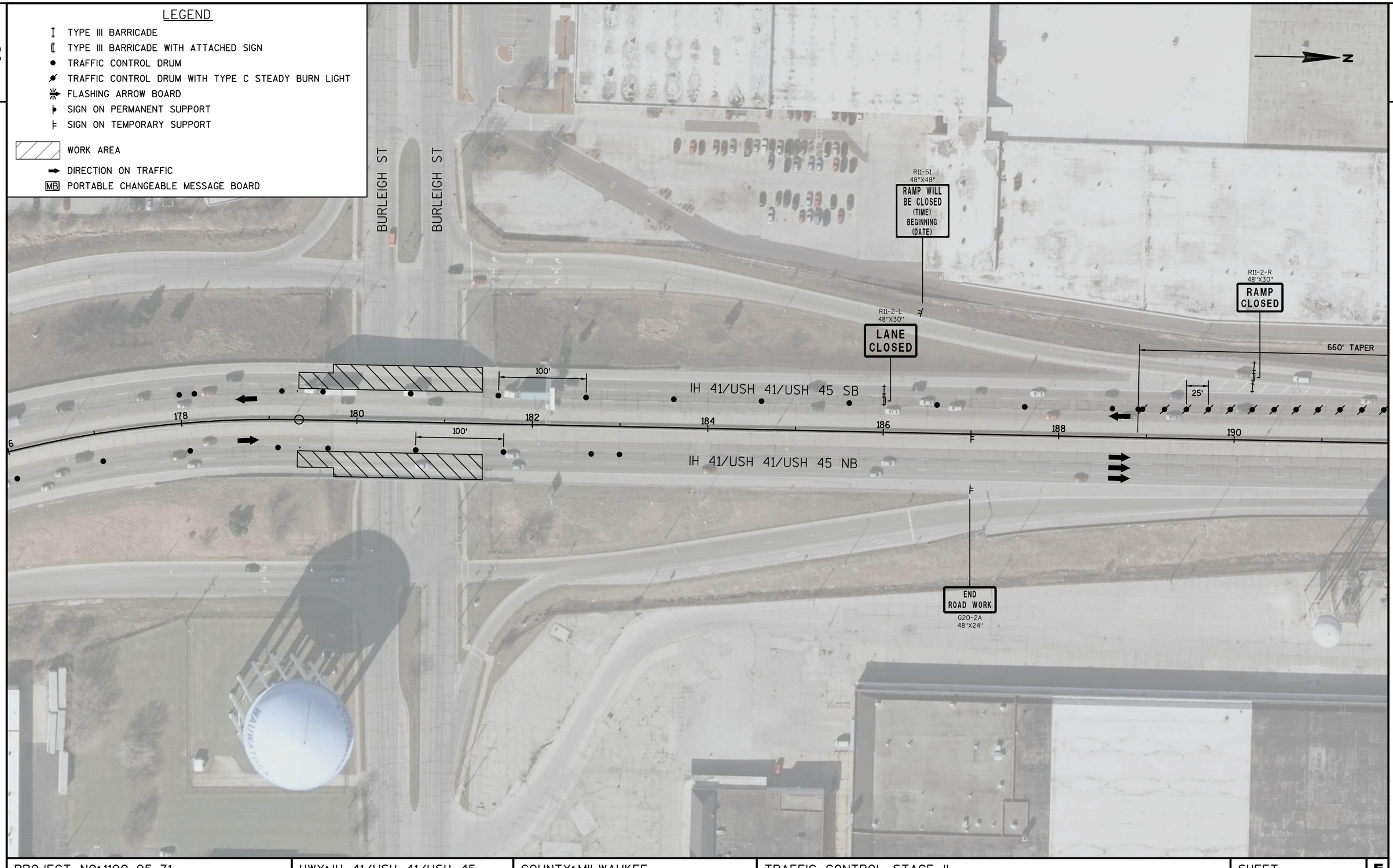
N 114TH ST

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II	SHEET 27	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

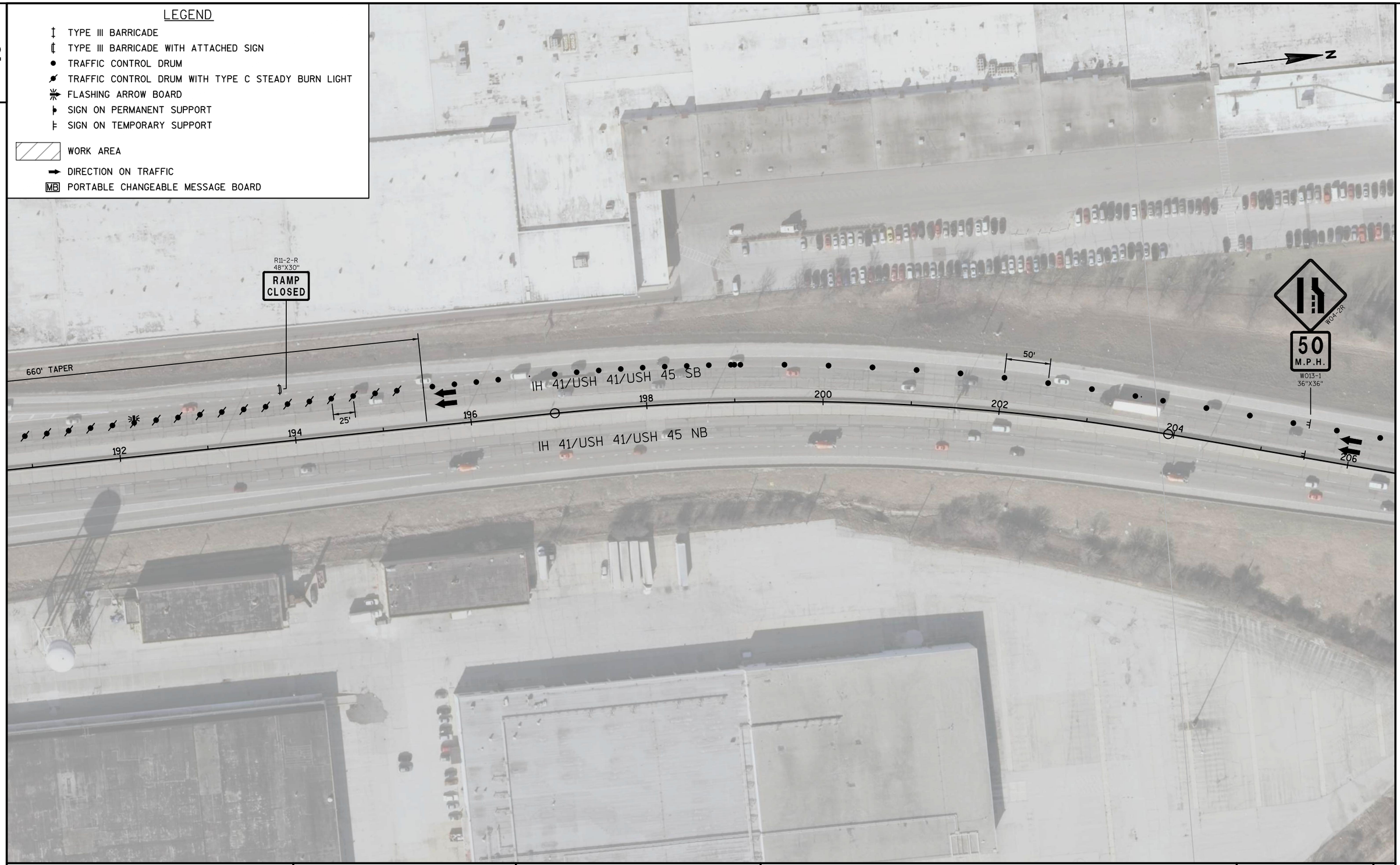
PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II	SHEET 28	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II	SHEET 29	E

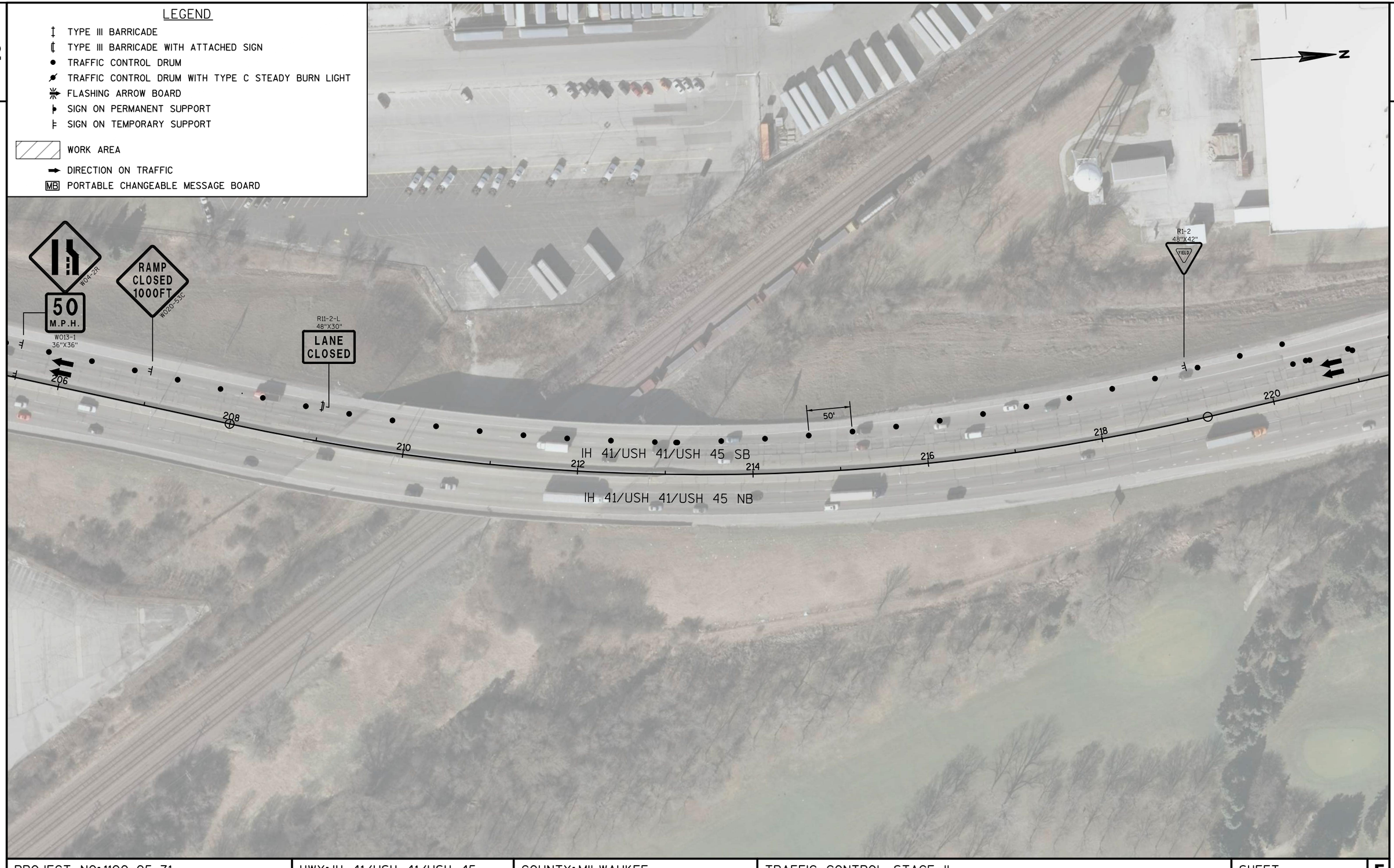
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LAYOUT NAME - 025022-TC

PLOT DATE : 1/13/2017 9:48 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II	SHEET 30	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 2.DWG
LAYOUT NAME - 025023-TC

PLOT DATE : 1/13/2017 9:48 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

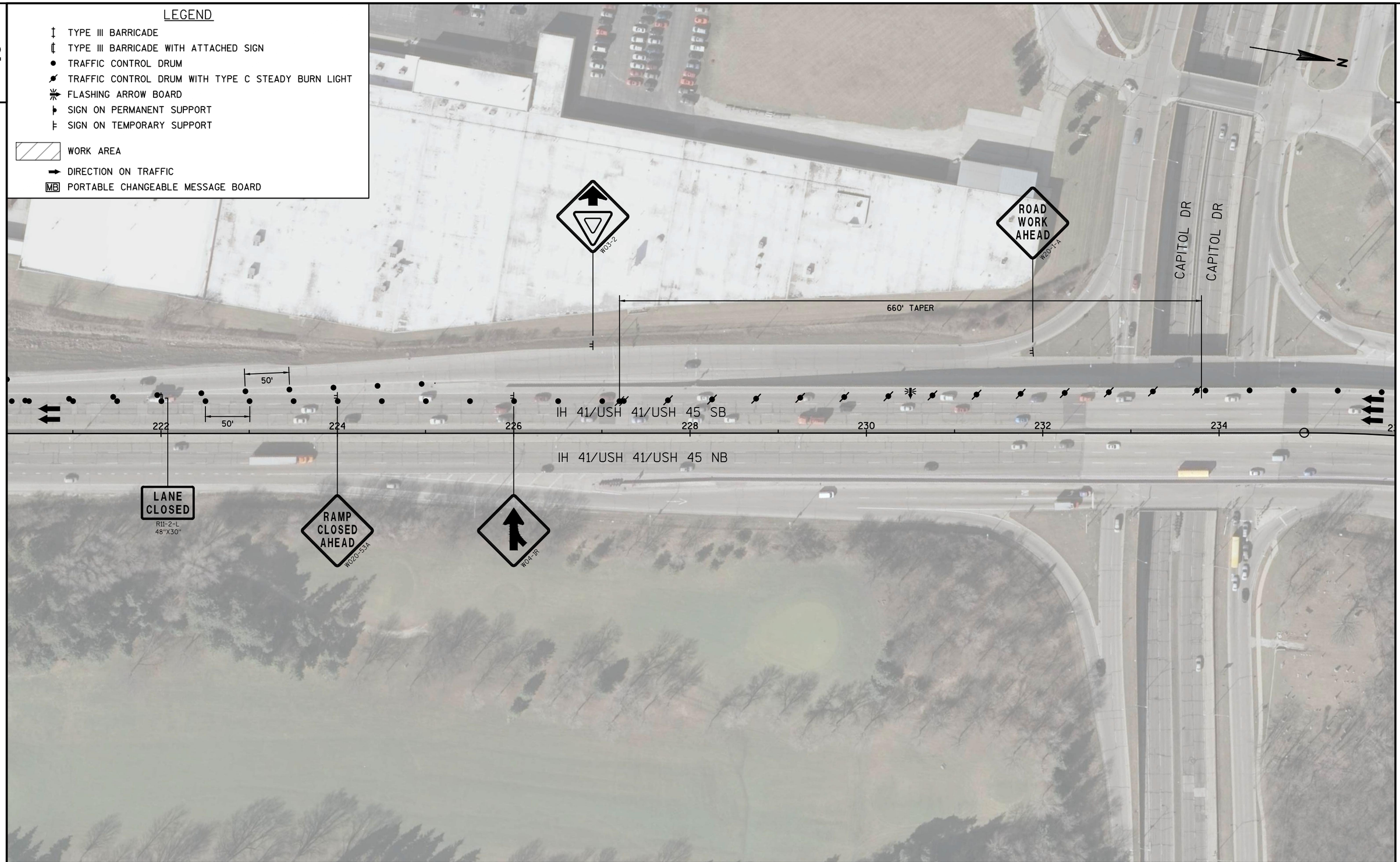
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II	SHEET 31	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 2.DWG
LAYOUT NAME - 025024-TC

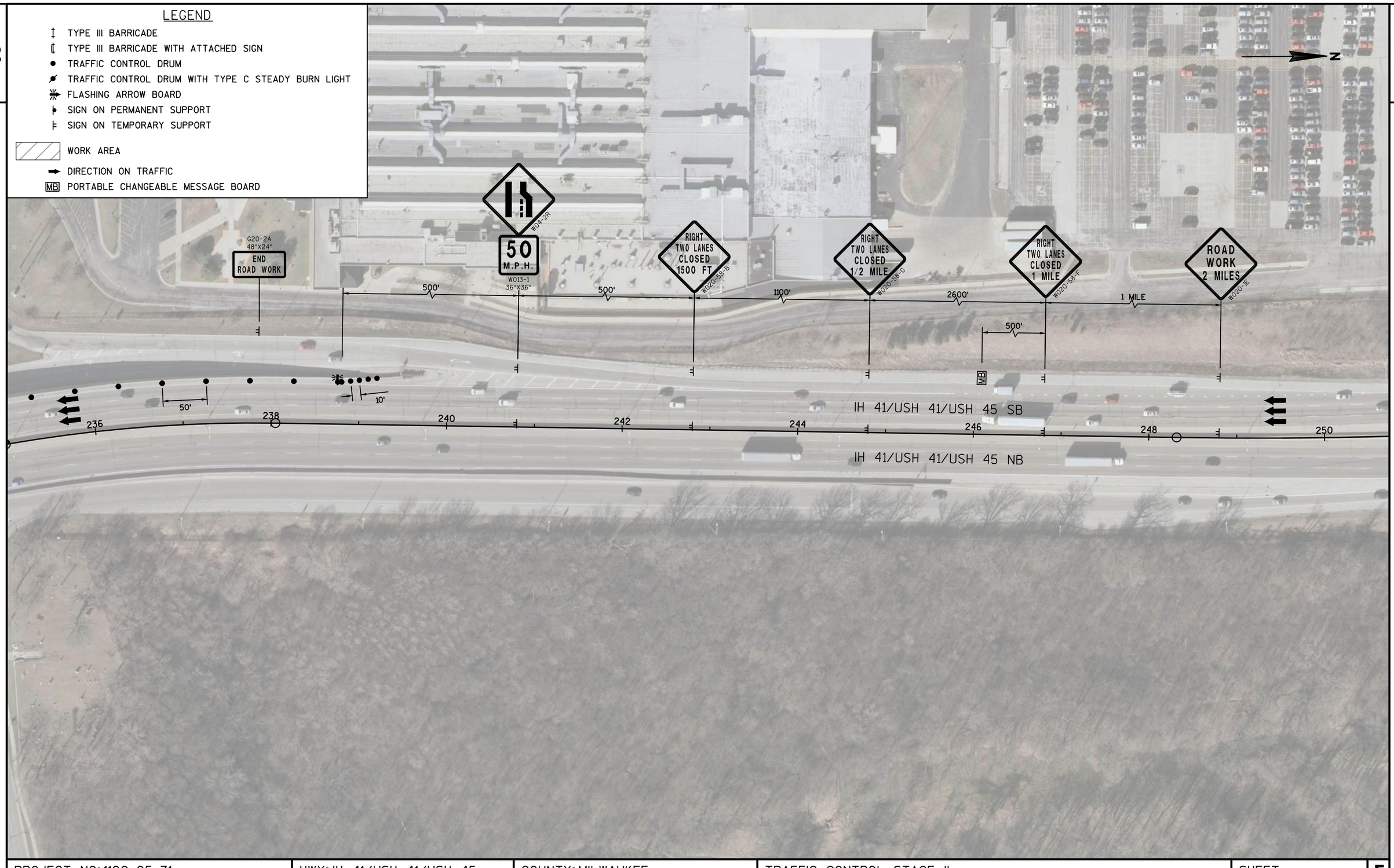
PLOT DATE : 1/13/2017 9:48 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION ON TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



2

PROJECT NO: 1100-05-71	HWY: IH 41/USH 41/USH 45	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II	SHEET 32	E

FILE NAME : N:\PDS\C3D\11000501\SHEETSPLAN\TRAFFIC CONTROL\1100-05-01_TRAFFIC CONTROL_BURLEIGH ST_STAGE 2.DWG
LAYOUT NAME - 025025-TC
PLOT DATE : 1/13/2017 9:48 AM PLOT BY : LIMBERATOS, EVAN P PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

1100-05-71

Line	Item	Item Description	Unit	Total	Qty
0030	213.0100	Finishing Roadway (project) 03. 1100-05-71	EACH	1.000	1.000
0040	502.3210	Pigmented Surface Sealer	SY	416.000	416.000
0080	509.5100.S	Polymer Overlay	SY	2,326.000	2,326.000
0090	619.1000	Mobilization	EACH	0.200	0.200
0100	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0110	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0120	628.7010	Inlet Protection Type B	EACH	6.000	6.000
0150	643.0100	Traffic Control (project) 03. 1100-05-71	EACH	1.000	1.000
0160	643.0300	Traffic Control Drums	DAY	2,190.000	2,190.000
0170	643.0420	Traffic Control Barricades Type III	DAY	120.000	120.000
0180	643.0705	Traffic Control Warning Lights Type A	DAY	240.000	240.000
0190	643.0715	Traffic Control Warning Lights Type C	DAY	549.000	549.000
0200	643.0800	Traffic Control Arrow Boards	DAY	42.000	42.000
0210	643.0900	Traffic Control Signs	DAY	429.000	429.000
0240	643.1050	Traffic Control Signs PCMS	DAY	84.000	84.000
0250	643.1055.S	Truck or Trailer Mounted Attenuator	DAY	12.000	12.000
0290	646.0106	Pavement Marking Epoxy 4-Inch	LF	840.000	840.000
0300	646.0600	Removing Pavement Markings	LF	1,128.000	1,128.000
0310	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	88.000	88.000
0330	649.0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	1,040.000	1,040.000
0370	SPV.0060	Special 01. SAND BAGS	EACH	8.000	8.000
0380	SPV.0090	Special 01. PAVEMENT MARKING CONTRAST EPOXY 4-INCH	LF	200.000	200.000
0410	SPV.0180	Special 01. RESIN BINDER HIGH FRICTION SURFACE TREATMENT	SY	324.000	324.000

FINISHING ROADWAY (PROJECT)

CATEGORY	PROJECT	213.0100.03 FINISHING ROADWAY EACH
1000		
	1100-05-71	1
	TOTAL:	1

MOBILIZATION

CATEGORY	PROJECT	619.1000 MOBILIZATION EACH
1000		
	1100-05-71	0.2
	TOTAL:	0.2

TRAFFIC CONTROL (PROJECT)

CATEGORY	PROJECT	643.0100.03 TRAFFIC CONTROL EACH
1000		
	1100-05-71	1
	TOTAL:	1

EROSION CONTROL ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.7010 INLET PROTECTION TYPE B EACH	SPV.0060.01 SAND BAGS EACH
1000								
	IH 41	179+33	-	181+43	4	--	4	4
	UNDISTRIBUTED				--	1	2	4
	TOTAL:				4	1	6	8

HIGH FRICTION SURFACE TREATMENT

CATEGORY	ROADWAY	STATION	TO	STATION	SPV.0180.01 RESIN BINDER HIGH FRICTION SURFACE TREATMENT SY
1000					
	IH 41 NB	179+33	-	179+74	164
	IH 41 SB	179+33	-	179+73	160
	TOTAL:				324

TRAFFIC CONTROL ITEMS

CATEGORY	LOCATION	**STAGE** DURATION	643.0300 TRAFFIC CONTROL DRUMS		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C		643.0800 TRAFFIC CONTROL ARROW BOARDS		643.0900 TRAFFIC CONTROL SIGNS		643.1050 TRAFFIC CONTROL SIGNS PCMS		643.1055.S TRUCK OR TRAILER-MOUNTED ATTENUATOR	
		DAYS	**EACH**	DAY	**EACH**	DAY	**EACH**	DAY	**EACH**	DAY	**EACH**	DAY	**EACH**	DAY	**EACH**	DAY	**EACH**	DAY
1000	STAGE 1																	
	IH 41 NB	2	200	400	11	22	22	44	39	78	4	8	42	84	2	14	1	2
	IH 41 SB	2	130	260	6	12	12	24	26	52	3	6	24	48	1	8	1	2
	UNDISTRIBUTED	--	330	330	17	17	34	34	65	65	7	7	66	66	3	11	2	2
	STAGE 2																	
	IH 41 NB	2	250	500	15	30	30	60	66	132	4	8	46	92	3	20	1	2
	IH 41 SB	2	150	300	8	16	16	32	52	104	3	6	31	62	2	14	1	2
	UNDISTRIBUTED	--	400	400	23	23	46	46	118	118	7	7	77	77	5	17	2	2
	TOTAL:			2190		120		240		549		42		429		84		12

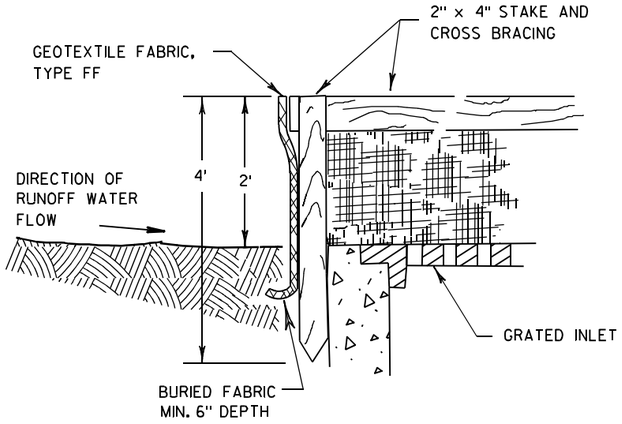
FOR INFORMATION ONLY

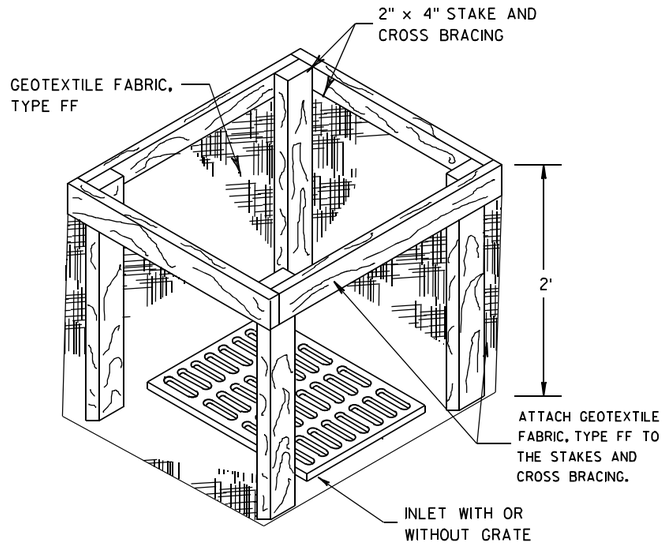
PAVEMENT MARKING ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	646.0106 PAVEMENT MARKING EPOXY 4-INCH LF		646.0600 REMOVING PAVEMENT MARKINGS LF	647.0726 PAVEMENT MARKING DIAGONAL EPOXY 12-INCH LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH LF		SPV.0090.01 PAVEMENT MARKING CONTRAST EPOXY 4-INCH LF
1000					WHITE	YELLOW		YELLOW	WHITE	YELLOW	WHITE
	IH 41 NB	179+33	-	141+43	211	210	565	44	311	210	100
	IH 41 SB	179+33	-	141+43	209	210	563	44	309	210	100
	TOTAL:				420	420	1128	88	620	420	200
					840				1040		

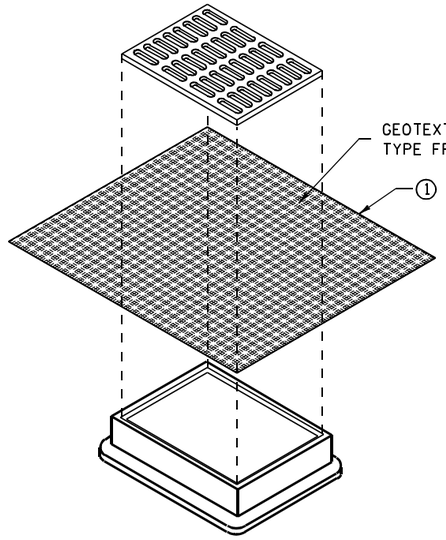
Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C08-17A	LONGITUDINAL MARKING (MAINLINE)
15C08-17B	PAVEMENT MARKING (TURN LANES)
15C08-17C	PAVEMENT MARKING (ISLANDS)
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D12-06B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D14-03	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)
15D15-02	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-03	TRAFFIC CONTROL, EXIT RAMP CLOSURE



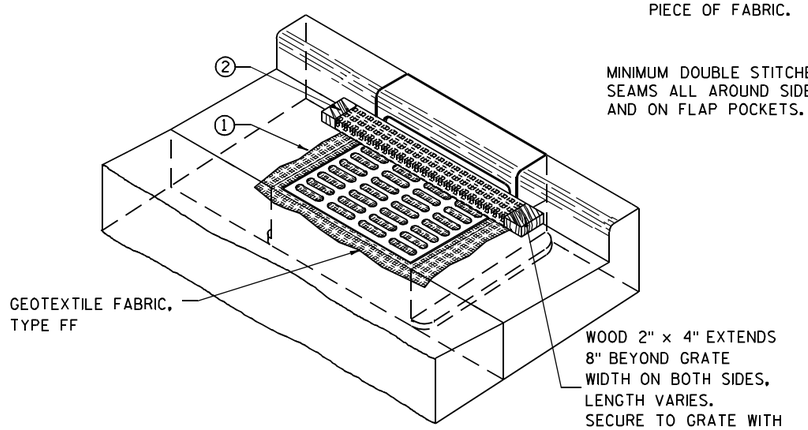


INLET PROTECTION, TYPE A

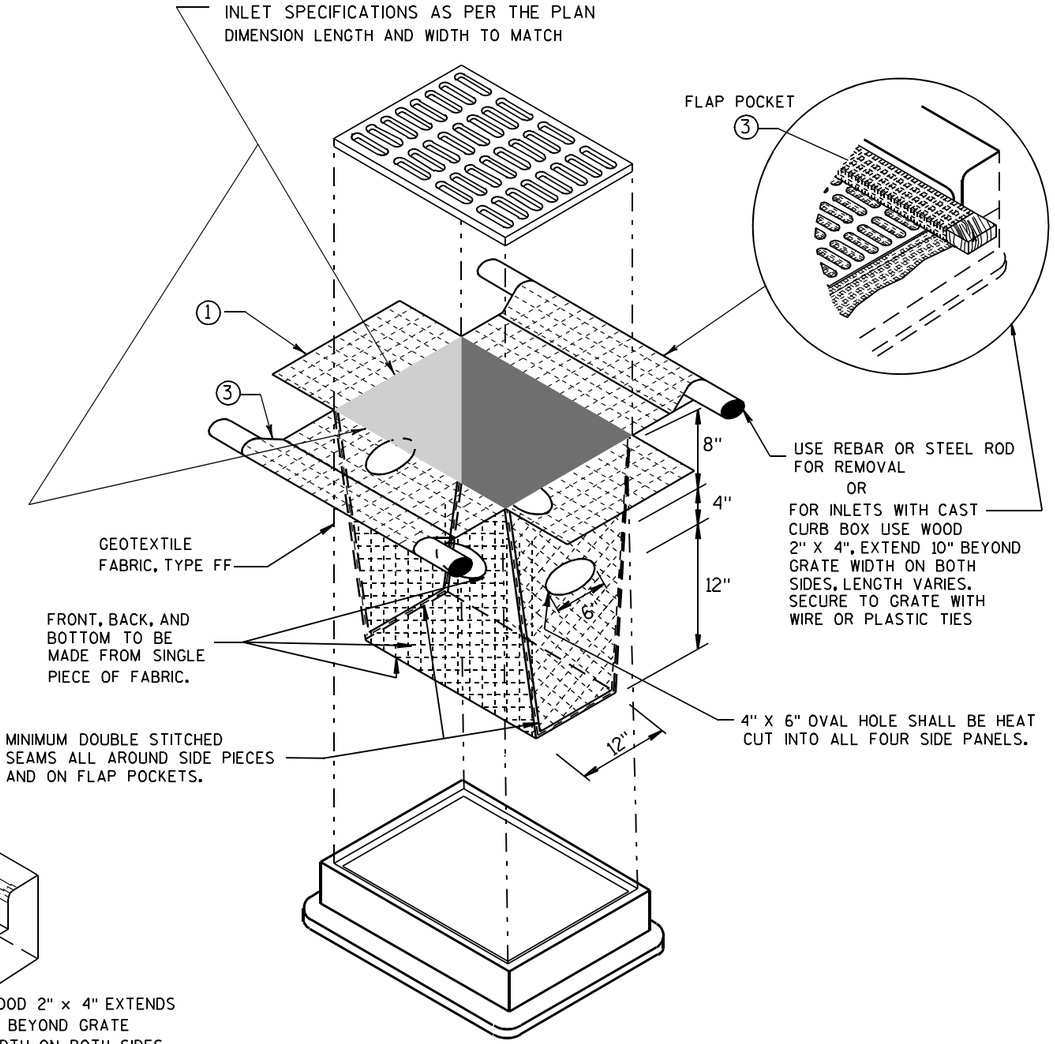


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

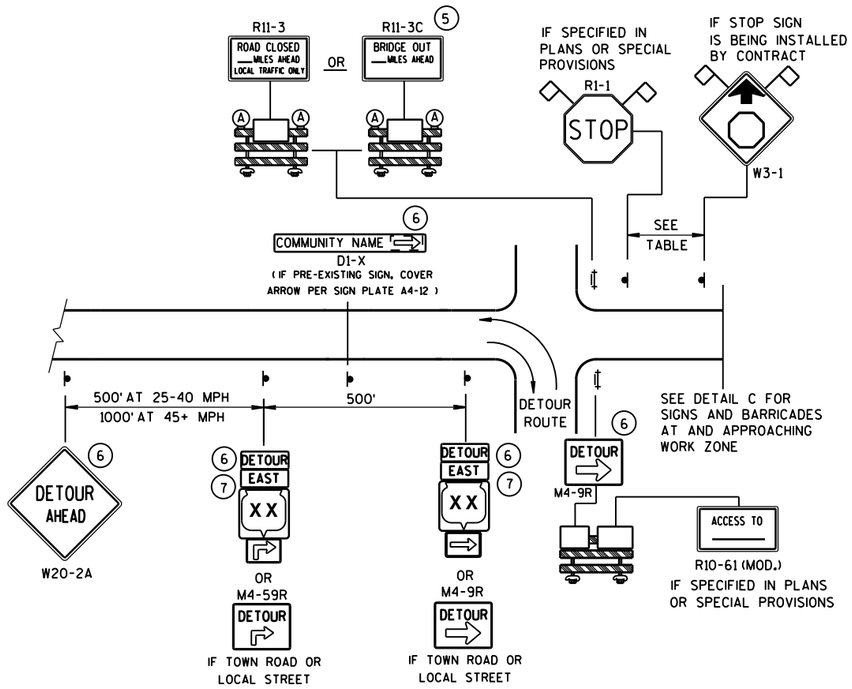
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

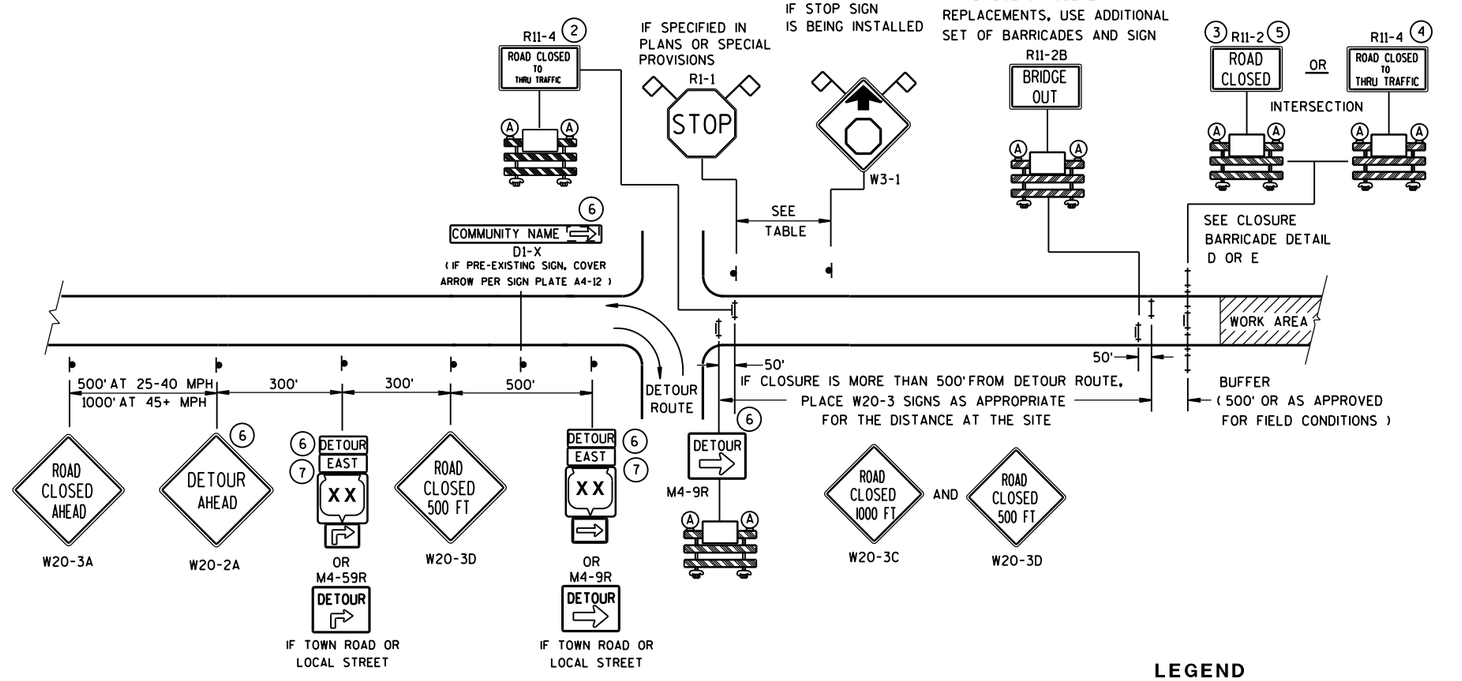
APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



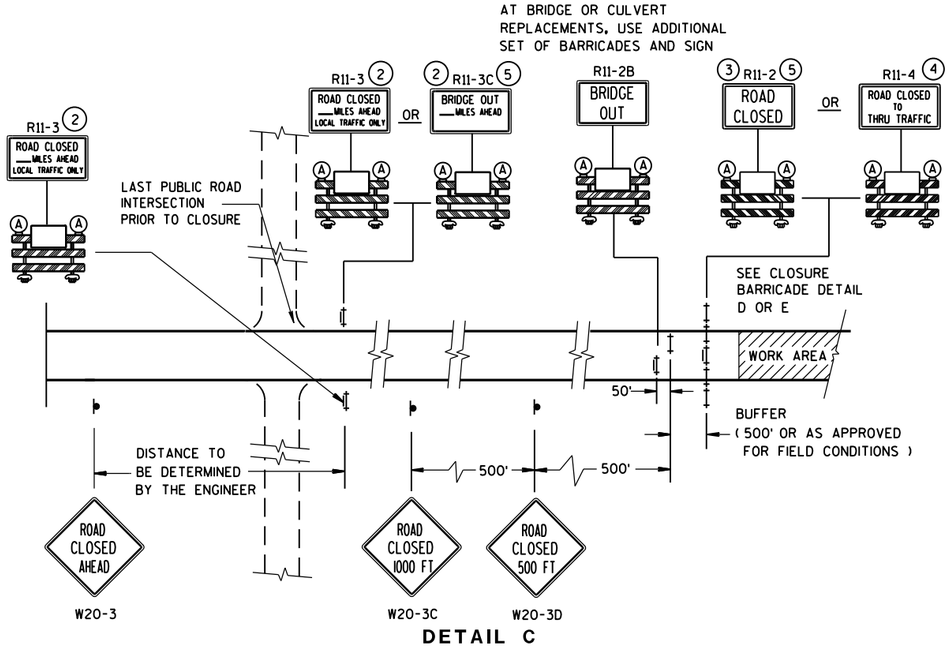
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN 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
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

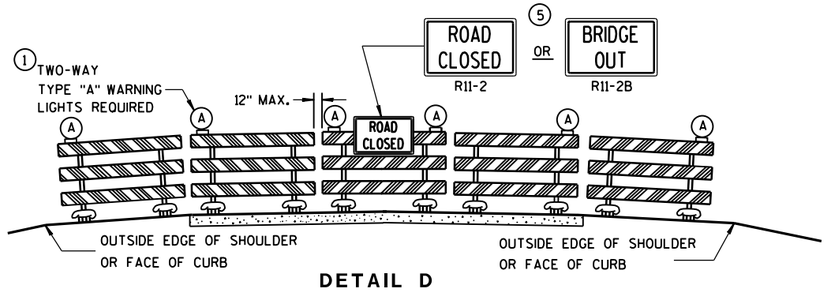
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

S.D.D. 15 C 2-6a

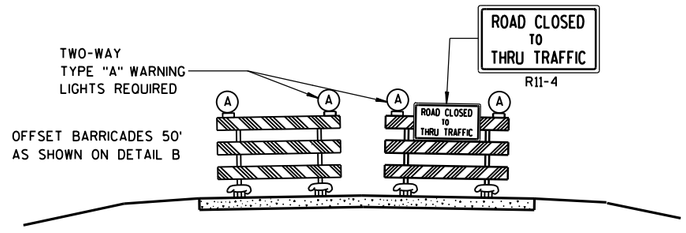
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DETAIL D

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 BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE 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, 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". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

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

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

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

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

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

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

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

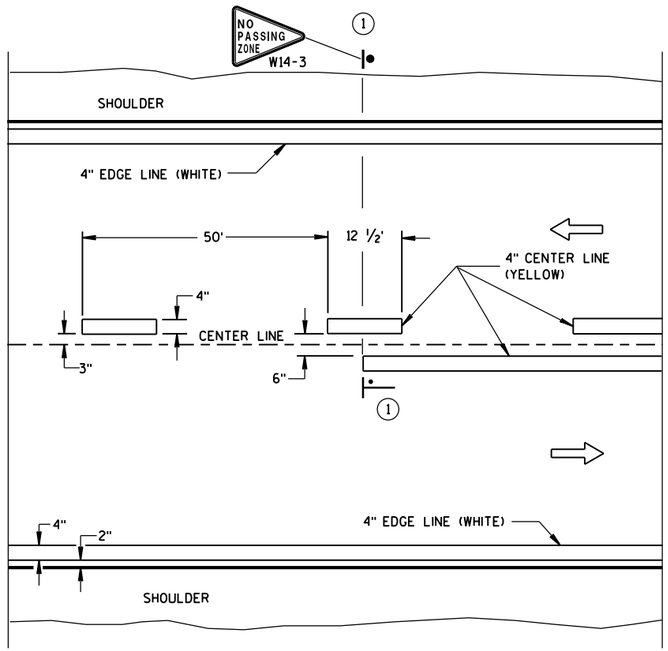
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

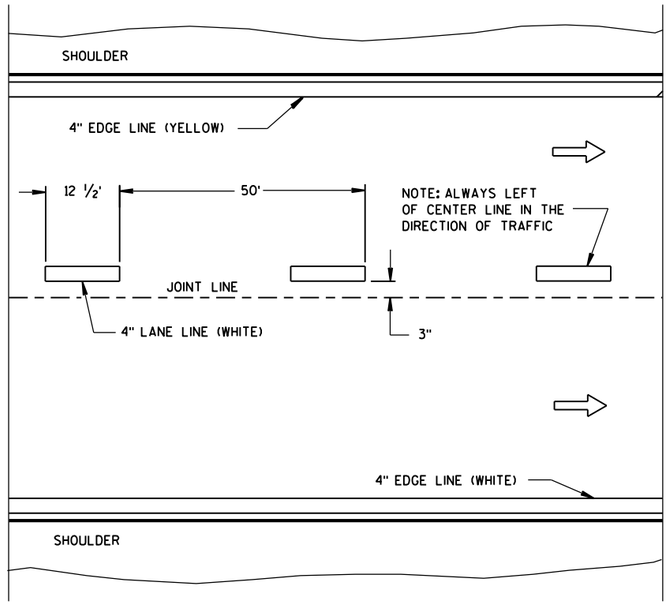
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI... — FHWA — FIC

6

S.D.D. 15 C 2-6b



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) NO PASSING ZONE W14-3 SIGN SHALL BE LOCATED WITHIN 50 FEET OF THE "T" MARKING.

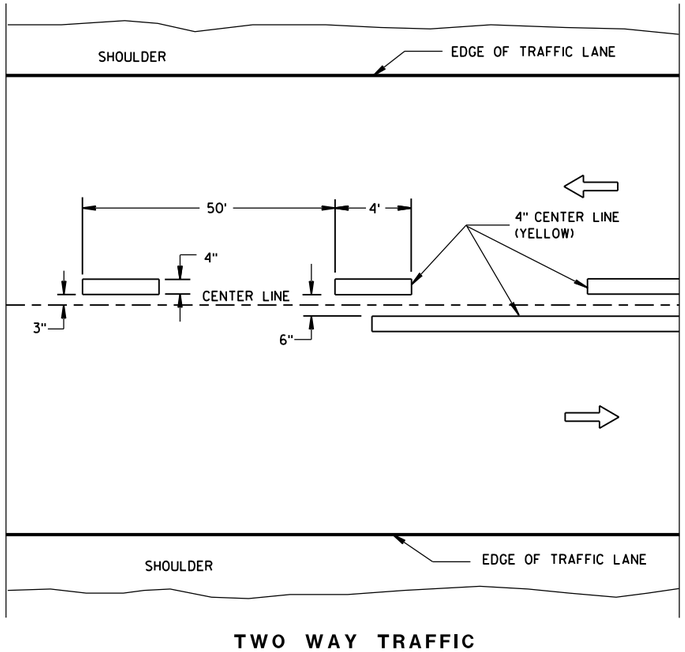
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

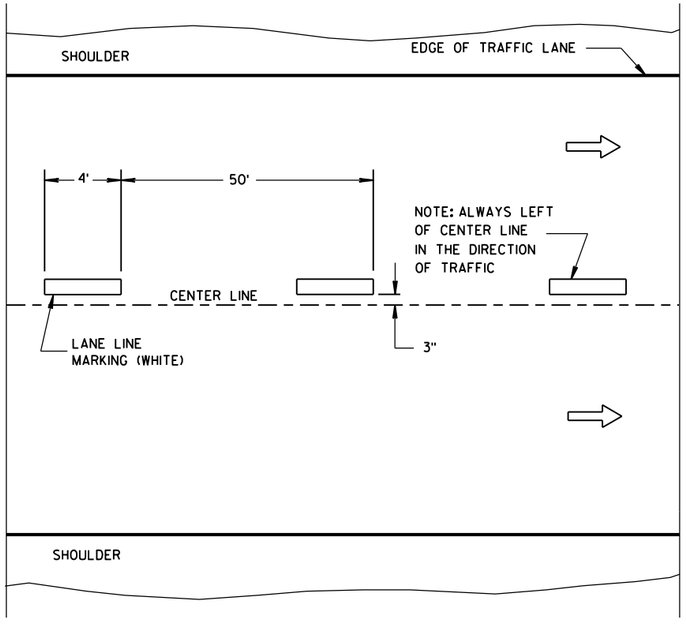
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

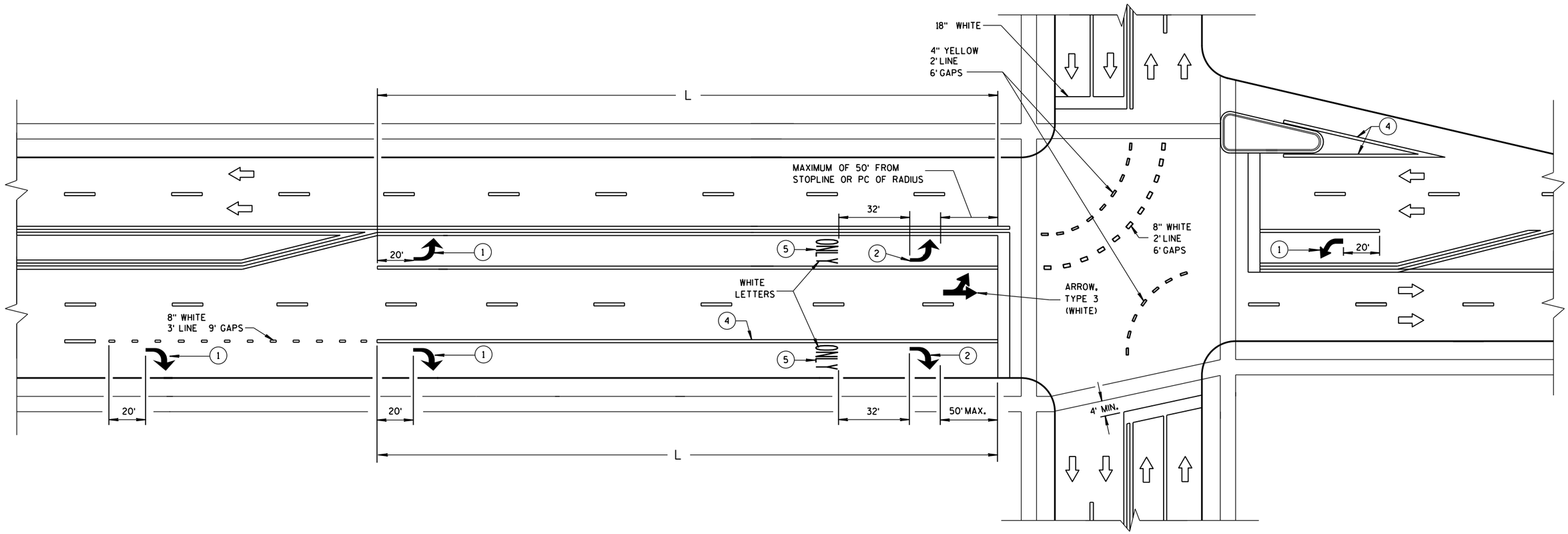
LONGITUDINAL MARKING (MAINLINE)

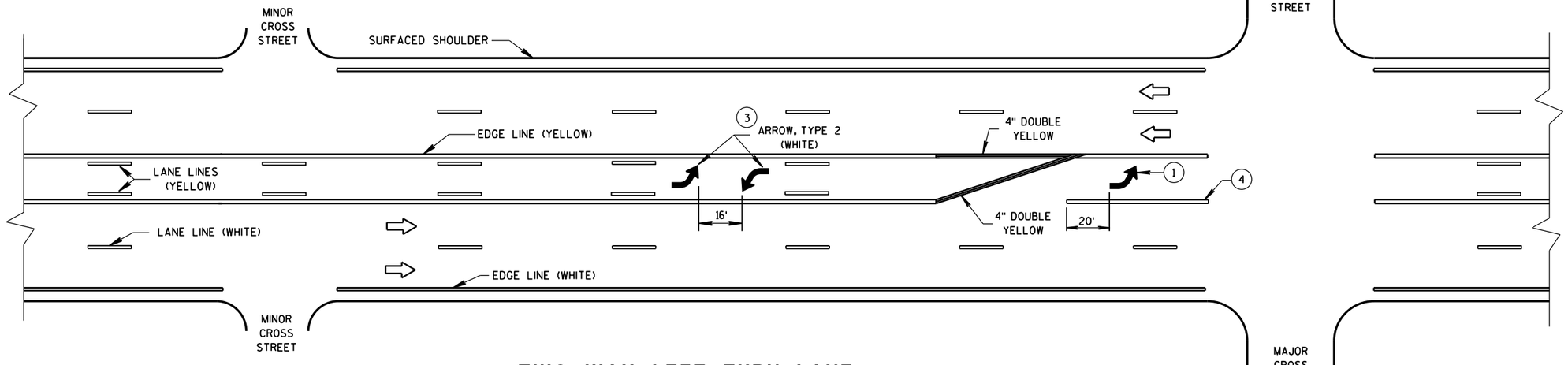
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

6

S.D.D. 15 C 8-17a





GENERAL NOTES

(1) REQUIRED ARROW, TYPE 2 (WHITE).

(2) REQUIRED ARROW, TYPE 2 (WHITE) WHEN L IS GREATER THAN 78 FEET AND LESS THAN OR EQUAL TO 166 FEET.

(3) A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.

(4) 8" WHITE

(5) REQUIRED WORD ONLY WHEN L IS GREATER THAN 166 FEET.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL

L = LENGTH OF TURN BAY

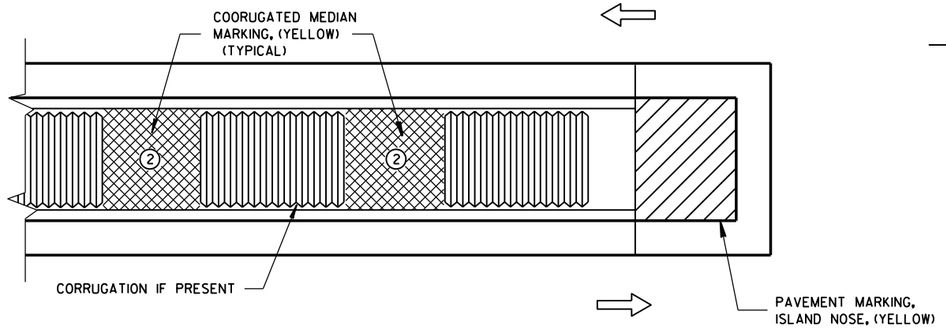
TWO WAY LEFT TURN LANE

PAVEMENT MARKING
(TURN LANES)

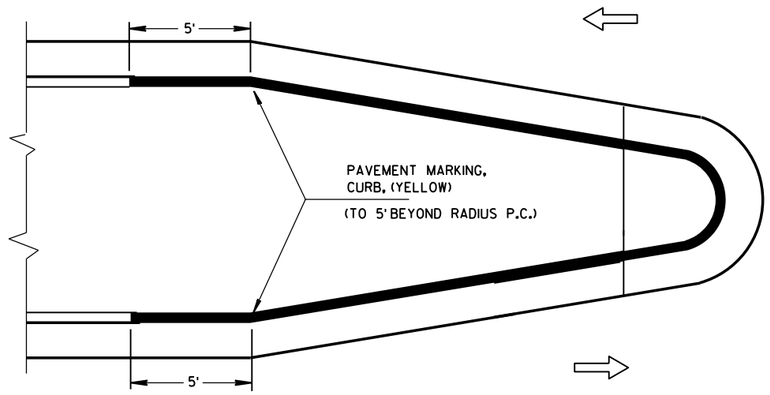
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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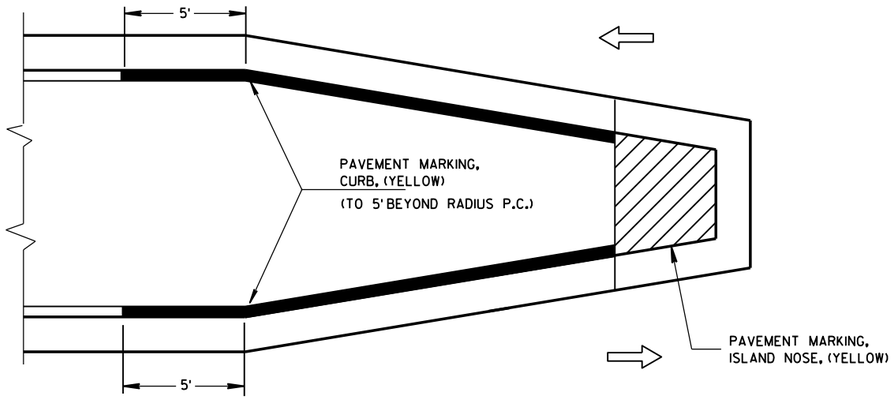
S.D.D. 15 C 8-17b



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

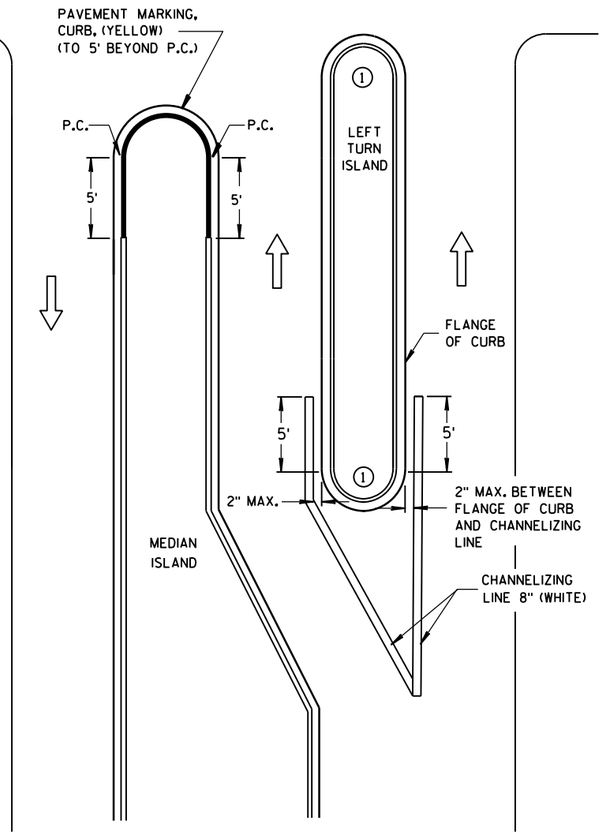


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

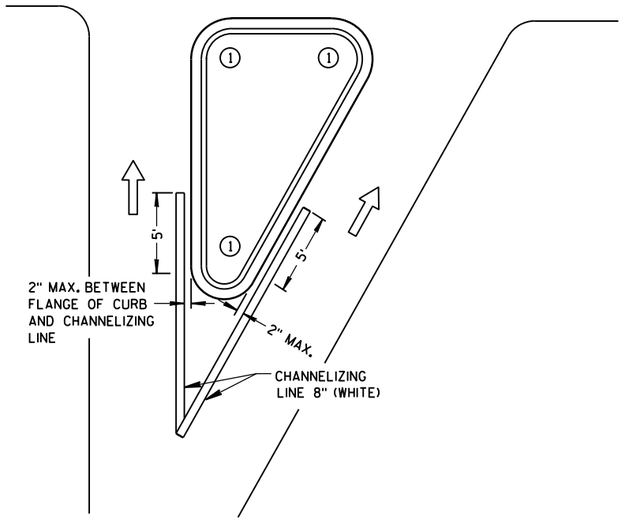


LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

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

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



RIGHT TURN ISLAND

LEGEND

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

PAVEMENT MARKING
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 C 8-17c

LEGEND

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

GENERAL NOTES

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

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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

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

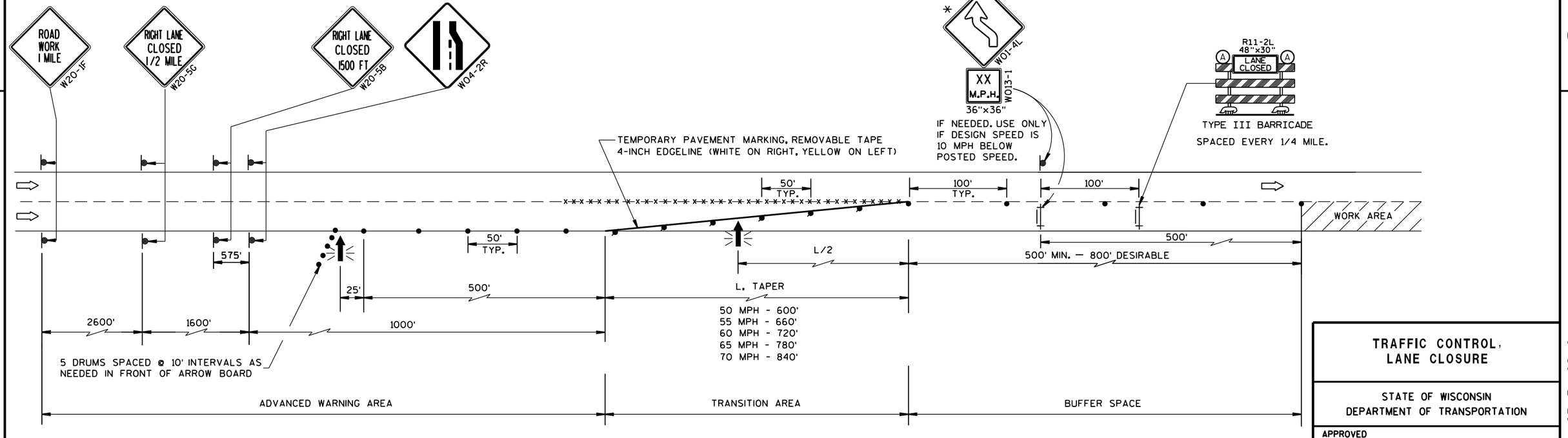
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

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

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

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI — IC
FHWA

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S.D.D. 15 D 12-6a

LEGEND

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

GENERAL NOTES

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

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

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

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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

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

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

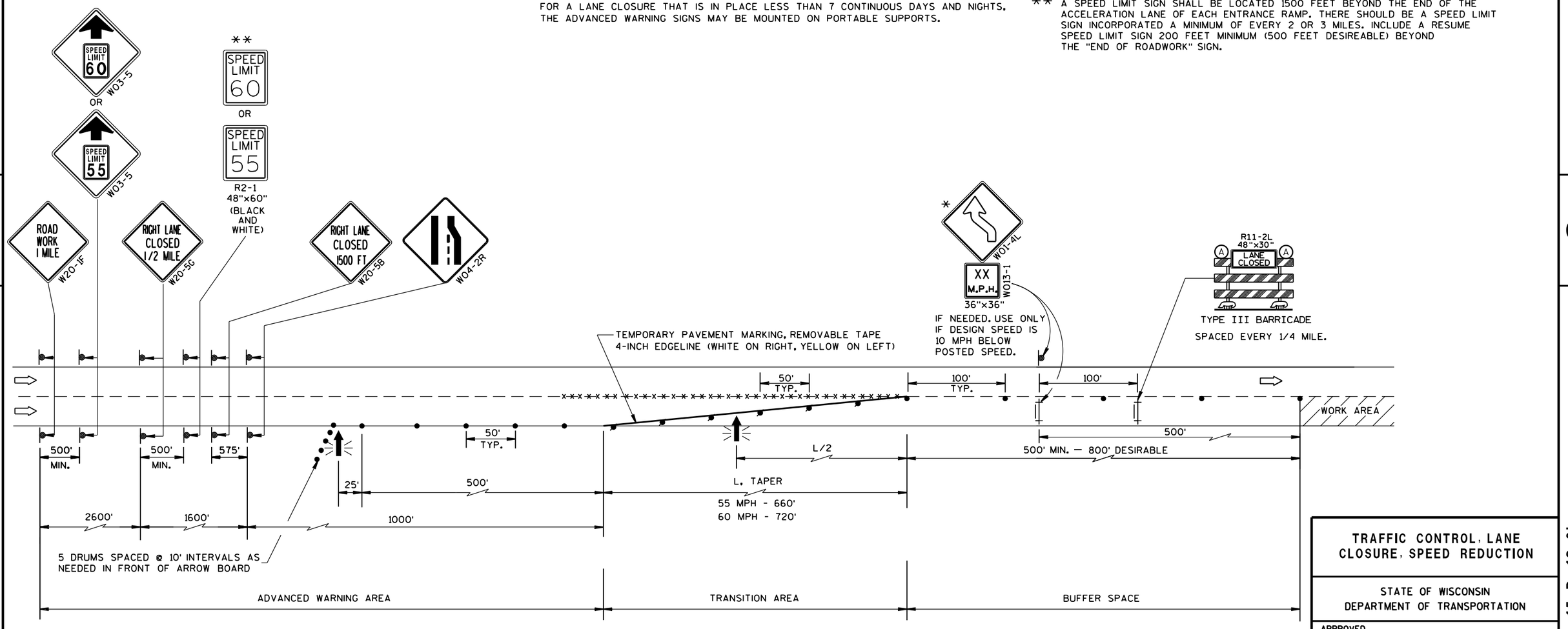
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

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

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

** A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIREABLE) BEYOND THE "END OF ROADWORK" SIGN.



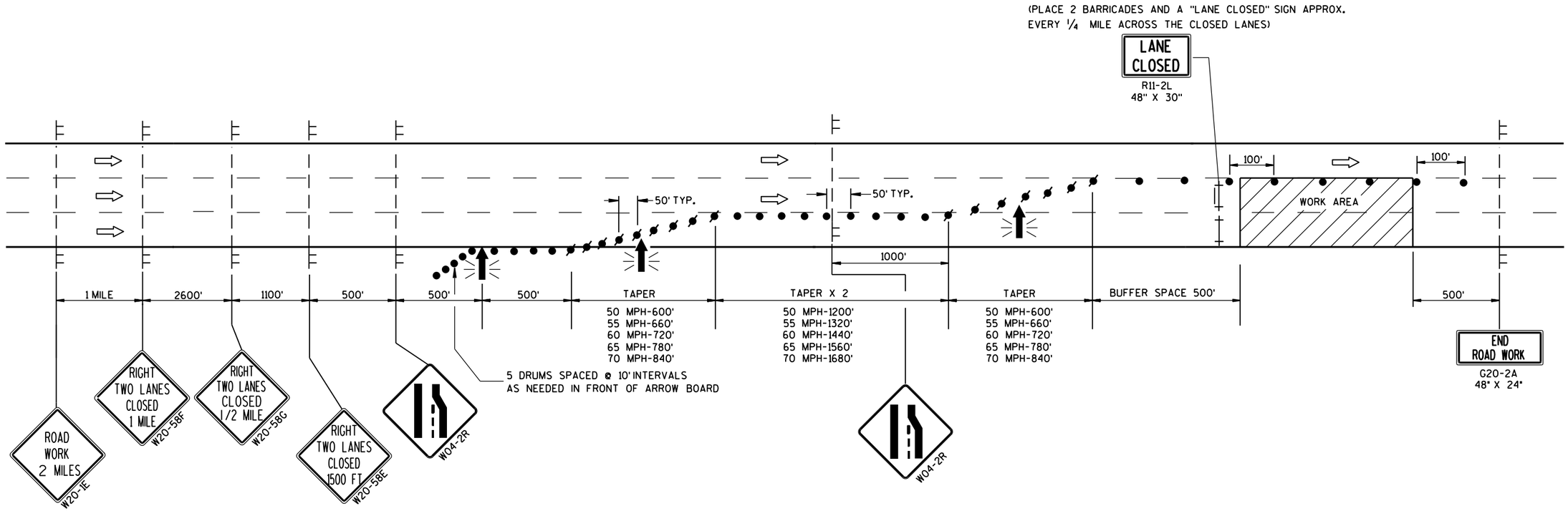
TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

6

S.D.D. 15 D 12-6b



LEGEND

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

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.

"WO" SIGNS ARE THE SAME AS "W" SIGNS 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.

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 GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF 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 RE-ESTABLISHED 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.

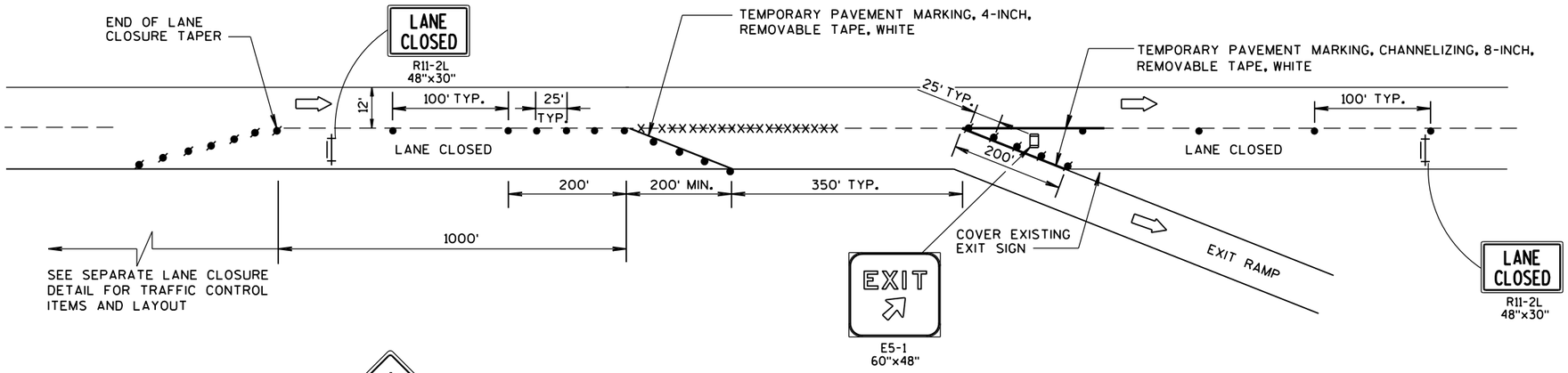
TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT TERM (LESS THAN 24 HOURS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

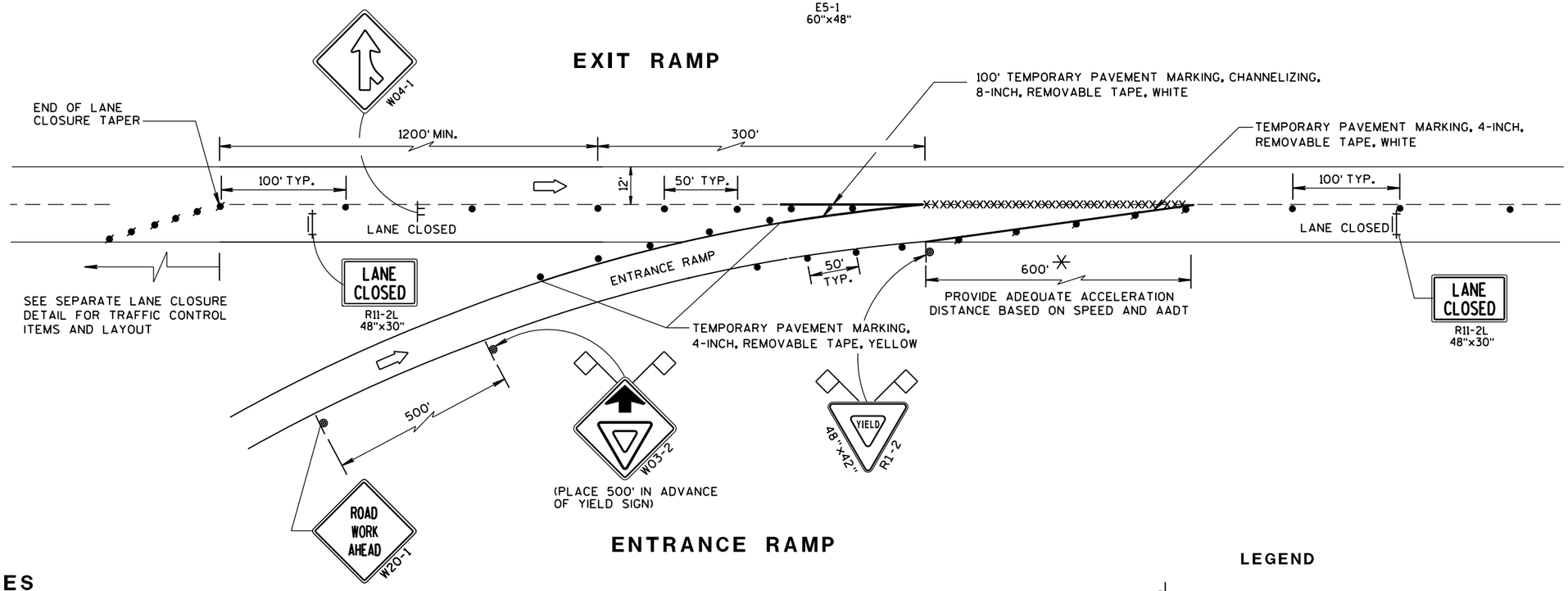
APPROVED
July 14, 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO[illegible]FIC SAFETY ENGR
FHWA

6

S.D.D. 15 D 14-3



EXIT RAMP



ENTRANCE RAMP

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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"x48" UNLESS OTHERWISE NOTED.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

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.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

* LENGTH OF OPENING MAY BE REDUCED TO 150 FEET DURING STAGING OF WORK IN IMMEDIATE AREA OF RAMP TAPER.

LEGEND

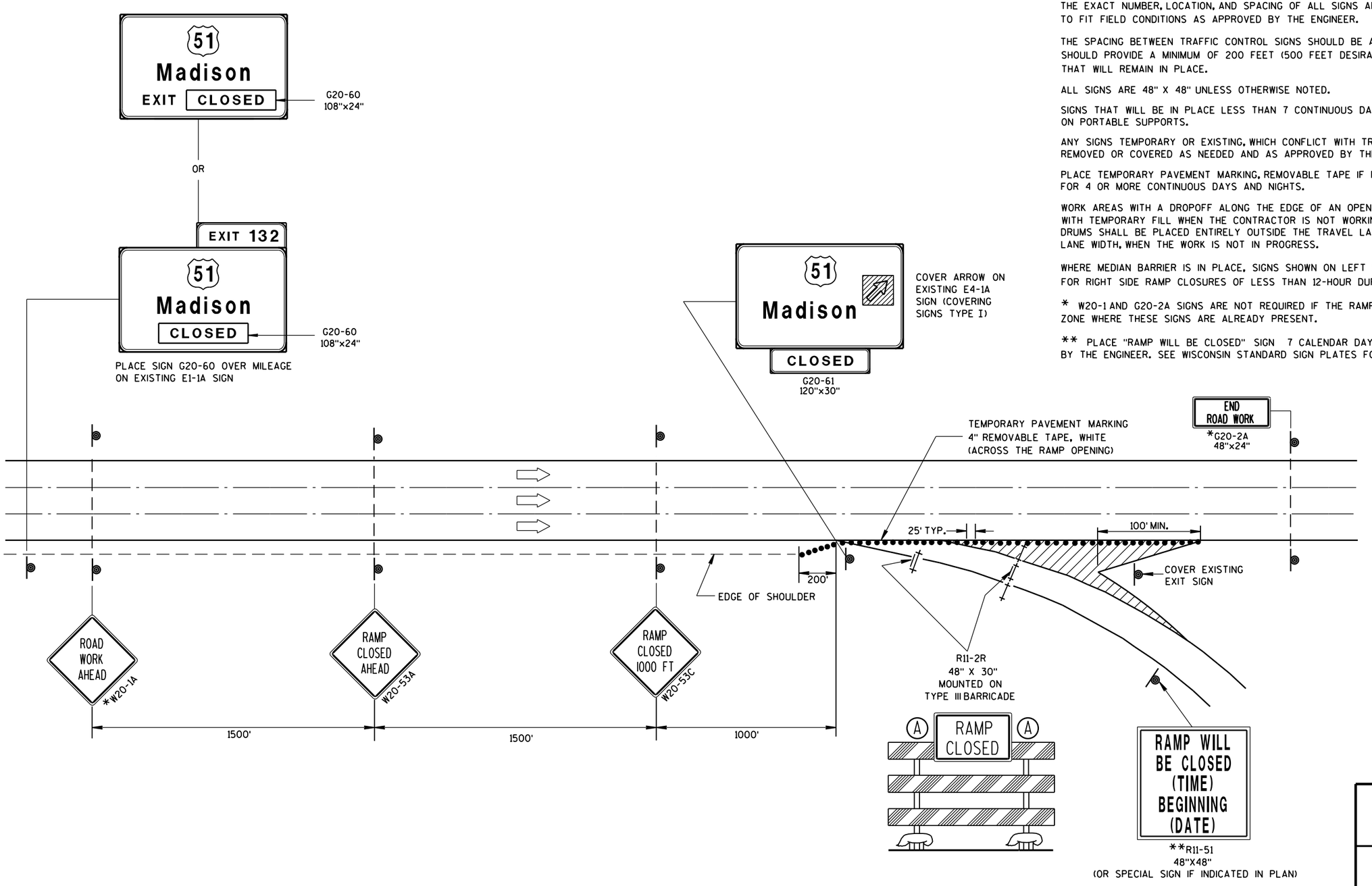
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" x 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

6
S.D.D. 15 D 15-2



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 FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROPOFF 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 THE 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.

* W20-1 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 WILL BE CLOSED" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.

LEGEND

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

TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO SAFETY ENGI — FIC
FHWA

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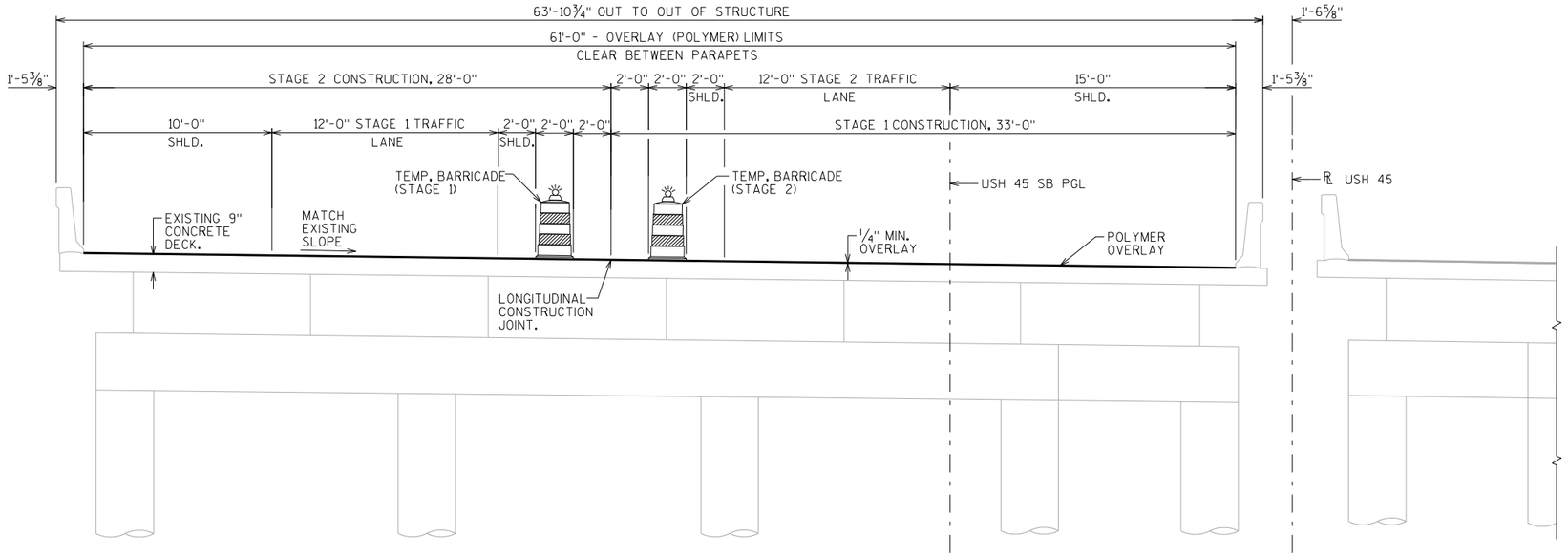
S.D.D. 15 D 16-3

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S.D.D. 15 D 16-3

STATE PROJECT NUMBER

1100-05-71

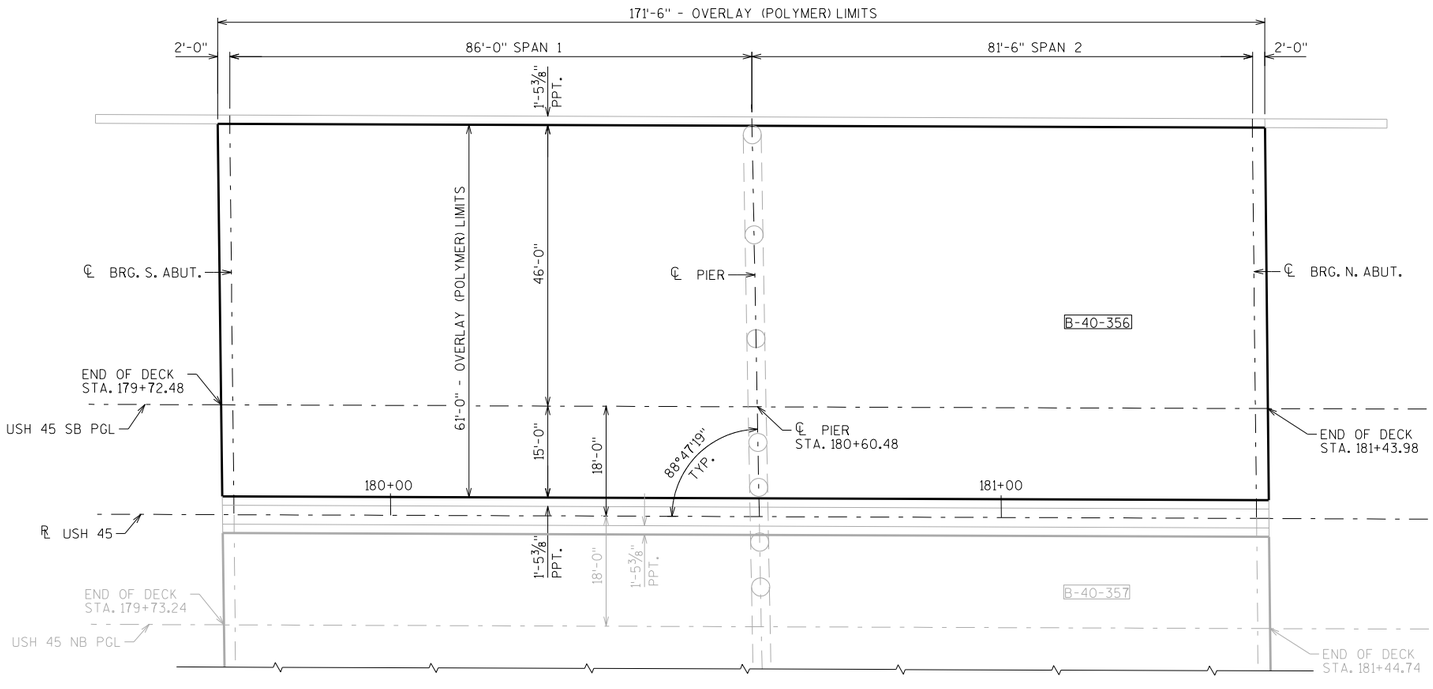


B-40-356

CROSS SECTION THRU ROADWAY

(LOOKING NORTH)

B-40-357



PLAN

DESIGN DATA

LIVE LOAD:
INVENTORY RATING :HS-18
OPERATING RATING :HS-31
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 190 (KIPS)

TRAFFIC VOLUME

STH 45 SB
A.D.T. (2037): 71,600
R.D.S.: 60 MPH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
502.3210	PIGMENTED SURFACE SEALER	SY	208
509.5100.S	POLYMER OVERLAY	SY	1163

ALL ITEMS ARE CATEGORY 2000

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURES DESIGN CONTACTS:
DANIELLE DE TENNIS (608) 266-8689
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 1/18/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-40-356

USH 45 SB OVER BURLEIGH ST.

COUNTY MILWAUKEE — ~~TOWN/~~CITY ~~/VILLAGE~~ WAUWATOSA

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KCY	BCL	MJH	DFD

POLYMER OVERLAY

SHEET 1 OF 1

48

I.D. 1100-05-01A

DATE: OCT 2016

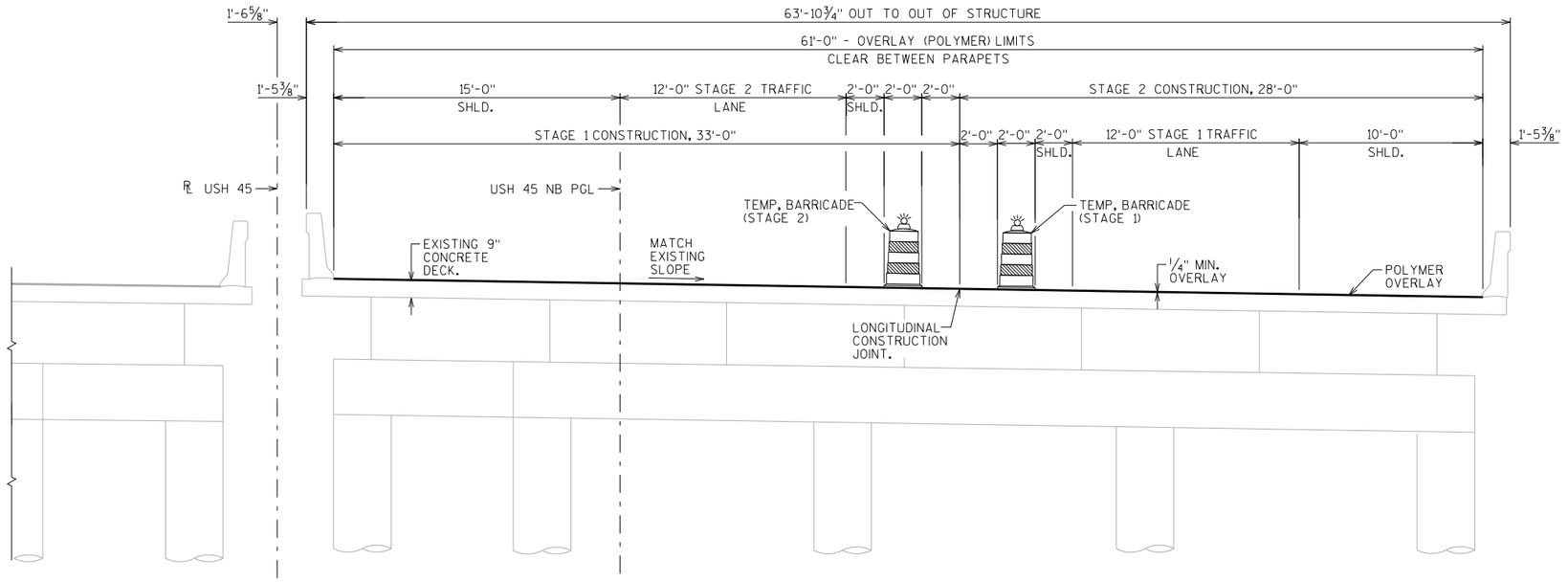
SCALE = 12

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8

STATE PROJECT NUMBER

1100-05-71

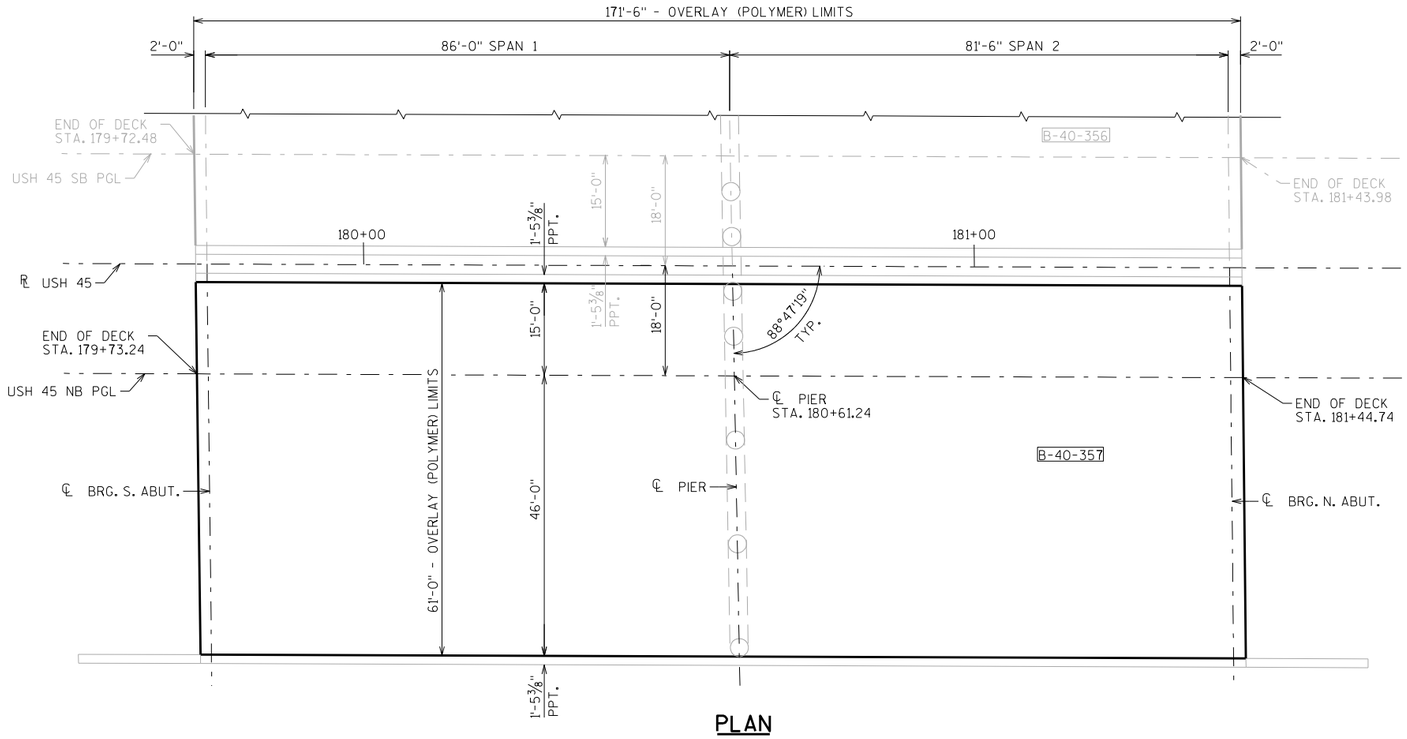


B-40-356

CROSS SECTION THRU ROADWAY

(LOOKING NORTH)

B-40-357



PLAN

DESIGN DATA

LIVE LOAD:
INVENTORY RATING :HS-18
OPERATING RATING :HS-31
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV) : 190 (KIPS)

TRAFFIC VOLUME

STH 45 NB
A.D.T. (2037) : 71,600
R.D.S. : 60 MPH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
502.3210	PIGMENTED SURFACE SEALER	SY	208
509.5100.S	POLYMER OVERLAY	SY	1163

ALL ITEMS ARE CATEGORY 2010

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURES DESIGN CONTACTS:
DANIELLE DE TENNIS (608) 266-8689
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 1/18/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-40-357

USH 45 NB OVER BURLEIGH ST.

COUNTY MILWAUKEE | ~~TOWN~~/CITY/~~VILLAGE~~ WAUWATOSA

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KCY	BCL	MJH	DFD

POLYMER OVERLAY

SHEET 1 OF 1

49

I.D. 1100-05-01B

DATE: OCT 2016

SCALE = 12

8

8

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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