WKE

Feb 2014

PROJECT ID: 1030-33-60

COUNTY: RACINE/MILWAUKEE

INDEX OF SHEETS

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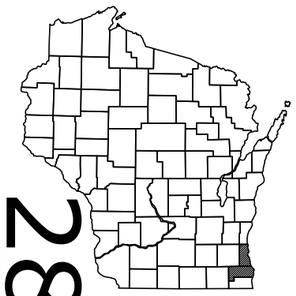
Sheet No.		Typical Sections and Details
Sheet No.		Estimate of Quantities
Sheet No.		Miscellaneous Quantities
~~Sheet No.~~		~~Right of Way Plat~~
~~Sheet No.~~		~~Plan and Profile~~
Sheet No.		Standard Detail Drawings
Sheet No.		Sign Plates
~~Sheet No.~~		~~Structure Plans~~
~~Sheet No.~~		~~Computer Earthwork Data~~
~~Sheet No.~~		~~Cross Sections~~

TOTAL SHEETS = 234



28

N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

NORTH SOUTH FREEWAY

SOUTH RACINE CO LINE TO RAWSON AVE

IH 94

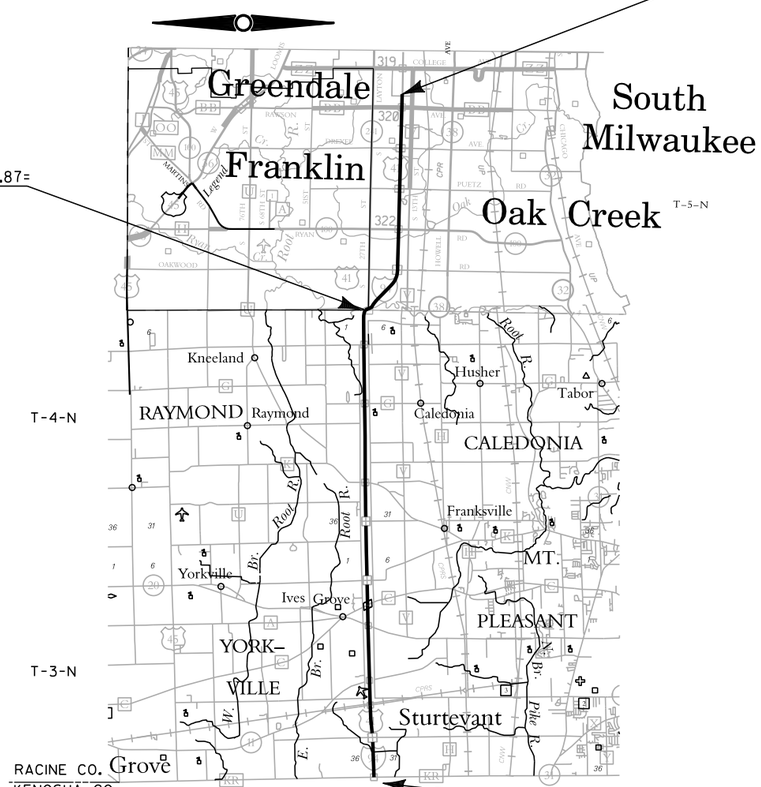
RACINE & MILWAUKEE COUNTIES

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1030-33-60		

STATE PROJECT NUMBER
1030-33-60

END PROJECT 1030-33-60
STA. 435+75 SB
STA. 432+00 NB

EQUATION 1267+30.87=
STA. 105+00 SB
STA. 104+58.21 NB



BEGIN PROJECT 1030-33-60
STA. 658+00
X= 594287.8965
Y= 165061.3226

TOTAL NET LENGTH OF CENTERLINE = 17.812 MI.

"COORDINATES ON THIS PLAN ARE REFERENCED TO THE NAD 83(97) WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), RACINE & MILWAUKEE COUNTY."

DESIGN DESIGNATION

A.D.T.	2009	=	79,230
A.D.T.	2035	=	111,380
D.H.V.		=	9470
D.		=	47153
T.		=	14%
DESIGN SPEED (MPH)		=	70
ESALS		=	5,530,600

CONVENTIONAL SYMBOLS

COUNTY LINE
CORPORATE LIMITS
PROPERTY LINE (P.L. + 58.1)
LOT LINE
LIMITED EASEMENT
EXISTING RIGHT OF WAY
PROPOSED OR NEW R/W LINE
SURVEY LINE
SLOPE INTERCEPT
ORIGINAL GROUND
MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
MARSH AREA
WOODED OR SHRUB AREA

COMBUSTIBLE FLUIDS (CAUTION)
UNDERGROUND UTILITIES
GAS (G)
ELECTRIC (E)
TELEPHONE OR TELEGRAPH (T)
COMMUNICATIONS LINE (C)
SERVICE PEDESTAL
POWER POLE
TELEPHONE POLE
RAILROAD
SANITARY SEWER (SAN)
STORM SEWER (SS)
WATER (W)
EXISTING CULVERT
PROPOSED CULVERT (Box or Pipe)
CULVERT (Profile View)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	MARK MISUN
Project Manager	CASEY WIERZCHOWSKI, PE
Regional Examiner	
Regional Supervisor	
C.O. Examiner	

APPROVED FOR THE DEPARTMENT
DATE: 1/16/14 Casey Wierzchowski, P.E. (Signature)

E

GENERAL NOTES

INLET PROTECTION REQUIRED AT ALL INLETS AS PER DETAILS OR AS DIRECTED BY THE ENGINEER.

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH THE EXISITNG UTILITY FACILITIES.

THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY LOCATIONS AS NEEDED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

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

TRAFFIC CONTROL DEVICES WILL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

WHEN THE QUANTITY OF HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE FIELD ENGINEER WILL DETERMINE THE NUMBER AND PLACEMENT OF PORTABLE CHANGEABLE MESSAGE BOARDS WHEN RAMP CLOSURES ARE NECESSARY.

HMA PAVEMENT WILL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

PAVEMENT TYPE	TOTAL LAYER PAVEMENT THICKNESS	LAYERS	NOMINAL MAXIMUM SIZE GRADATION	ASPHALTIC MATERIAL
HMA E-10	2"	ONE LAYER	12.5 MM	PG64-22

STANDARD ABBREVIATIONS

AEW	APRON ENDWALL
AGG	AGGREGATE
BAD	BASE AGGREGATE DENSE
BM	BENCHMARK
C&G	CURB AND GUTTER
$\overset{CL}{}$ OR $_{L}$	CENTER OR CONSTRUCTION LINE
CMCP	CULVERT PIPE CORRUGATED METAL
CONC	CONCRETE
CP	CULVERT PIPE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
FE	FIELD ENTRANCE
HMA	HOT MIX ASPHALTIC
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
M/L	MAINLINE
NB	NORTHBOUND
NC	NORMAL CROWN
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASEMENT
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
RCAEW	APRON END WALL FOR CULVERT PIPE REINFORCED CONCRETE
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RRSP	RAILROAD SPIKE
RT	RIGHT
SLV	SALVAGED
SAPBC	SALVAGED ASPHALTIC PAVEMENT BASE COURSE
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
VCL	VERTICAL CURVE LENGTH
VPC	POINT VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT

2

UTILITY CONTACTS

AT&T CORPORATION
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866 ROCK CREEK ROAD
PLANO, IL 60545
PHONE: (847) 420-9115
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MR. TONY BUNKELMAN, ENGINEER
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TW CABLE ENGINEERING
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MILWAUKEE, WI 53212
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VILLAGE OF MOUNT PLEASANT
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333 W. EVERETT STREET - A299
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FAX: (414) 221-2336
latroy.brumfield@we-energies.com

WE ENERGIES (GAS OPERATIONS)
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latroy.brumfield@we-energies.com

WEST SHORE PIPELINE COMPANY
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FAX: (219) 397-6138
mrnorris@buckeye.com

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WISDOT TRAFFIC LIGHTING
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matthew.pfeifer@dot.wi.gov

OTHER CONTACTS

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jeffrey.polenske@milwaukee.gov

JMC ENGINEERS & ASSOCIATES, INC.
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FAX: (574) 842-8836
jmc140@frontier.com

MILWAUKEE COUNTY DPW
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RACINE COUNTY - MAINTENANCE
MS. GAIL VUKODINOVICH
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141 NW BARSTOW STREET
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TOWN OF RAYMOND
MS. KARIE TORKILSEN, TOWN CLERK
2255 S. 76TH STREET
FRANKSVILLE, WI 53126
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TOWN OF YORKVILLE
MS. JUDY AIMONE, CLERK TREASURER
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WISCONSIN DEPARTMNET OF NATURAL RESOURCES
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MS. KRISTINA BETZOLD
2300 N. DR. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WI 53212
PHONE: (414) 263-8517

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
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SOUTHEAST REGIONAL LIASON
2300 N. DR. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WI 53212
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ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES AND STANDARD ABBREVIATIONS
UTILITY CONTACTS
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS / EROSION DETAILS
PAVEMENT MARKING PLANS
TRAFFIC CONTROL PLANS

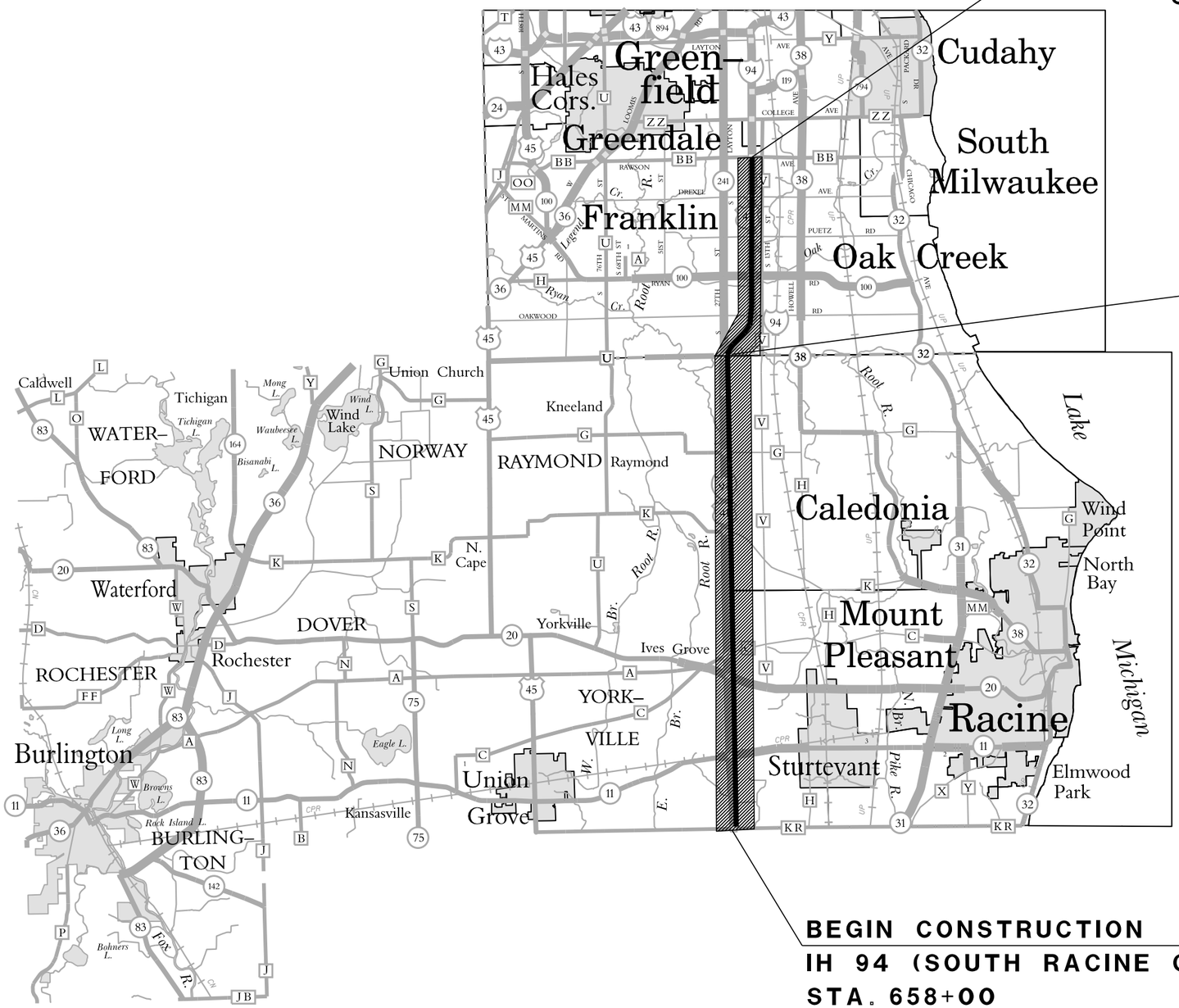
2

2

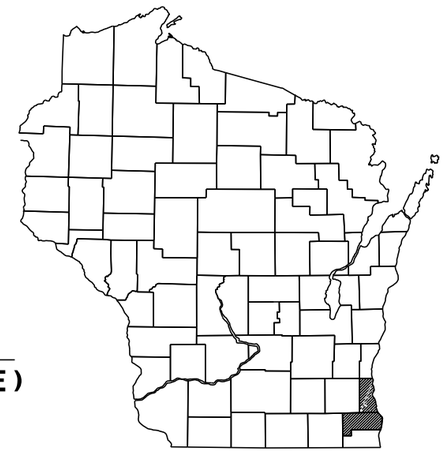
RACINE & MILWAUKEE COUNTY

END CONSTRUCTION
STA. 435+75 SB
STA. 432+00 NB

EQUATION 1267+30.87 =
STA. 105+00 SB
STA. 104+58.21 NB



BEGIN CONSTRUCTION
IH 94 (SOUTH RACINE CO LINE)
STA. 658+00



PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PROJECT OVERVIEW	SHEET 5	E

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WISDOT/CADDS SHEET 42

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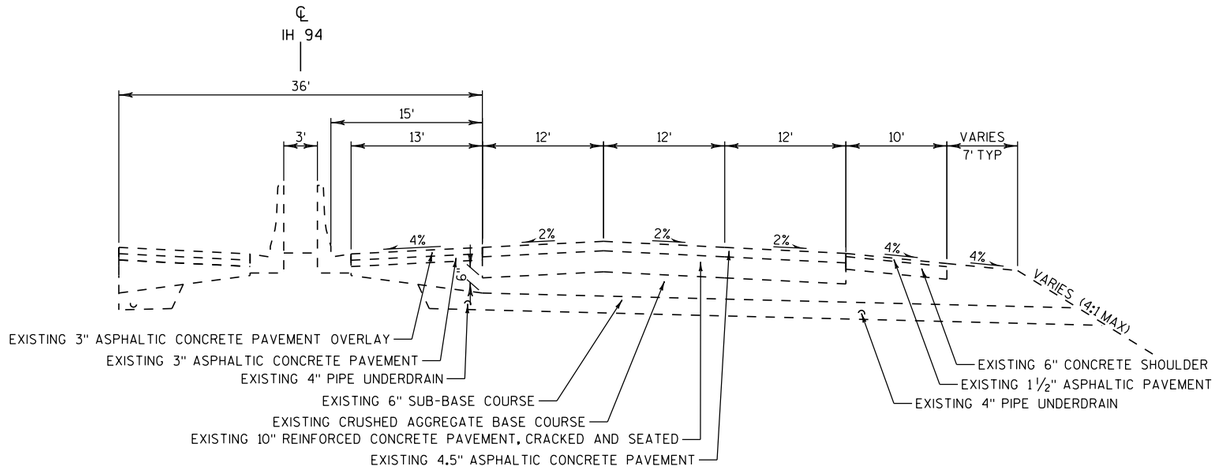
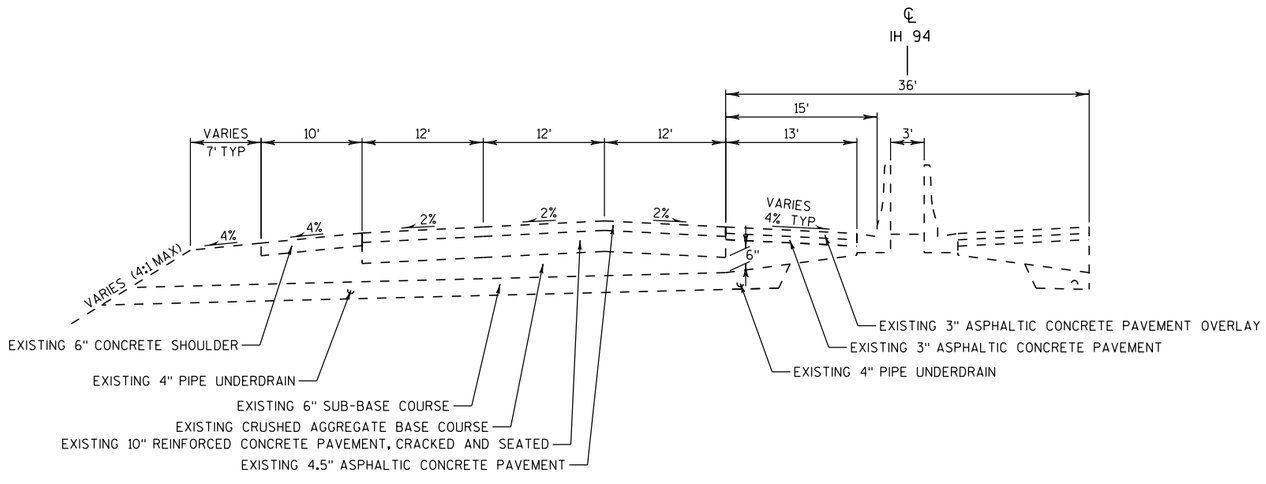


TYPICAL EXISTING SECTION
NORTHBOUND IH 94

STA. 1292+50 - STA. 1295+00
STA. 196+16 - STA. 409+00



TYPICAL EXISTING SECTION
SOUTHBOUND IH 94

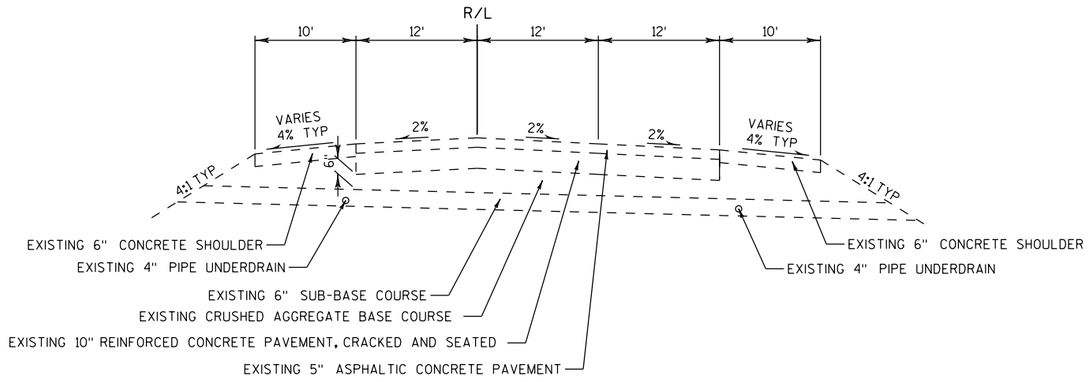
STA. 1292+50 - STA. 1295+00
STA. 196+16 - STA. 409+00

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION
X = POINT REFERRED TO ON CROSS-SECTION

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	TYPICAL SECTIONS	SHEET 6	E

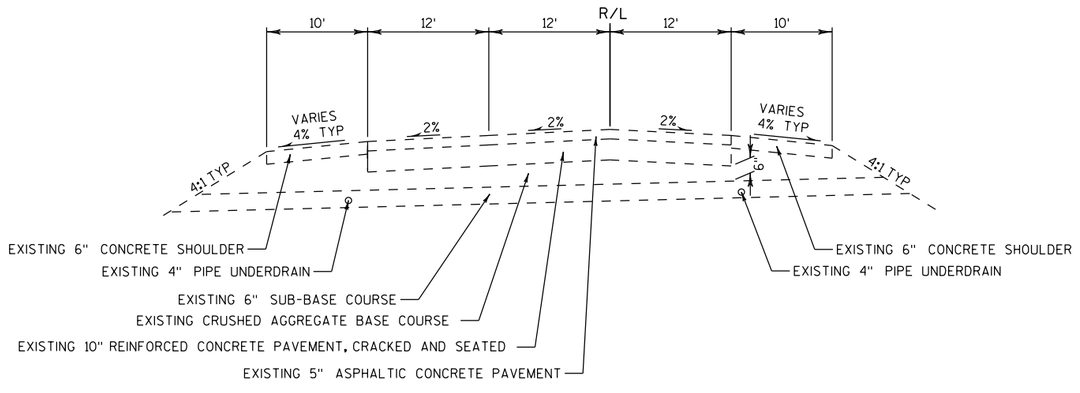
2



TYPICAL EXISTING SECTION

NORTHBOUND IH 94

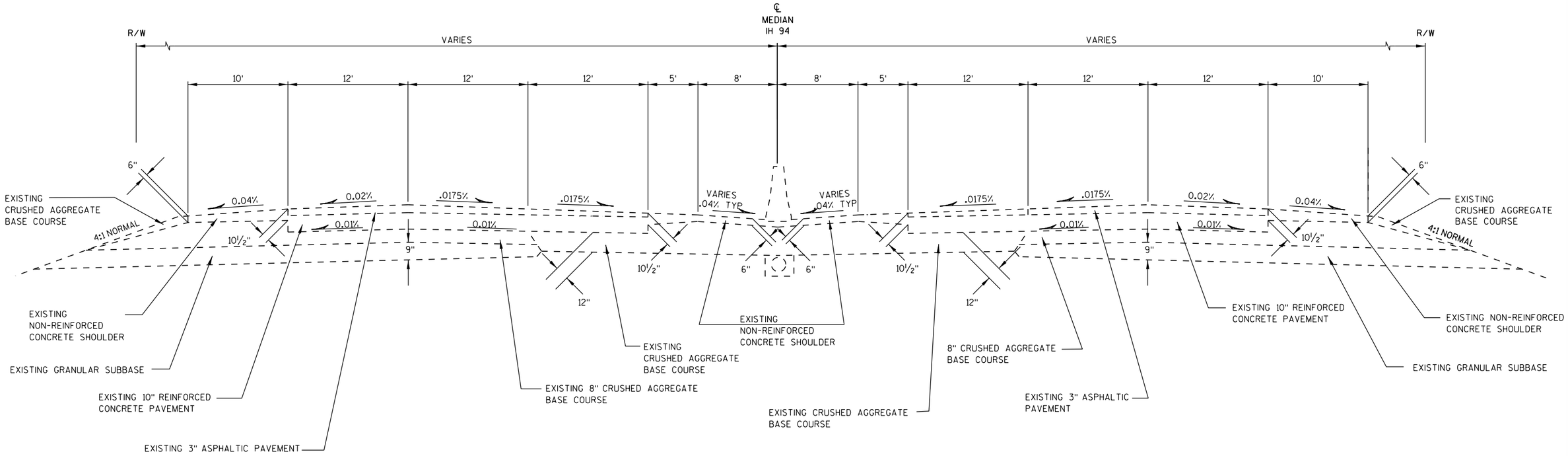
STA. 132+00 - STA. 196+16



TYPICAL EXISTING SECTION

SOUTHBOUND IH 94

STA. 133+00 - STA. 196+16

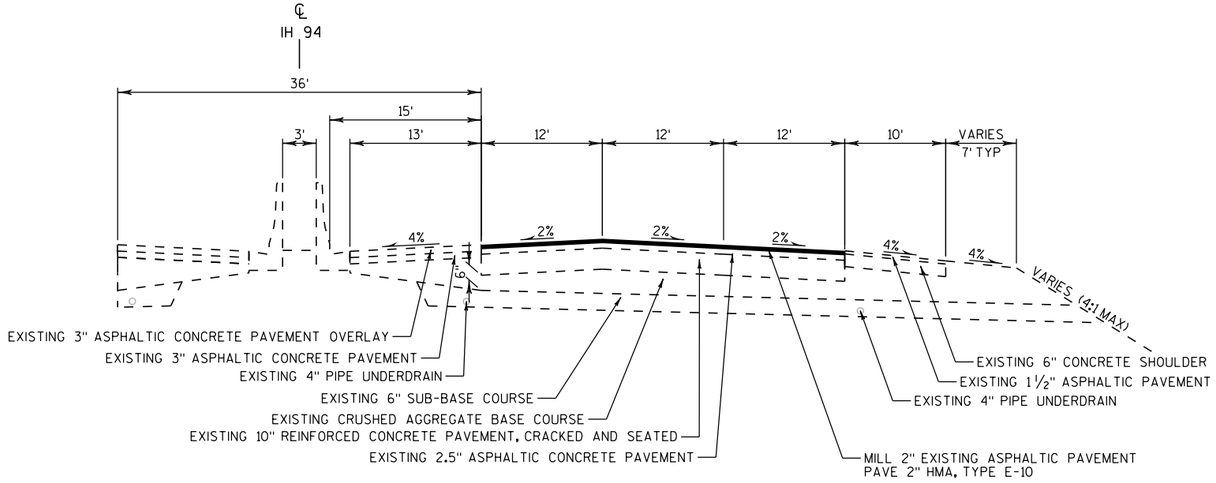


TYPICAL EXISTING SECTION

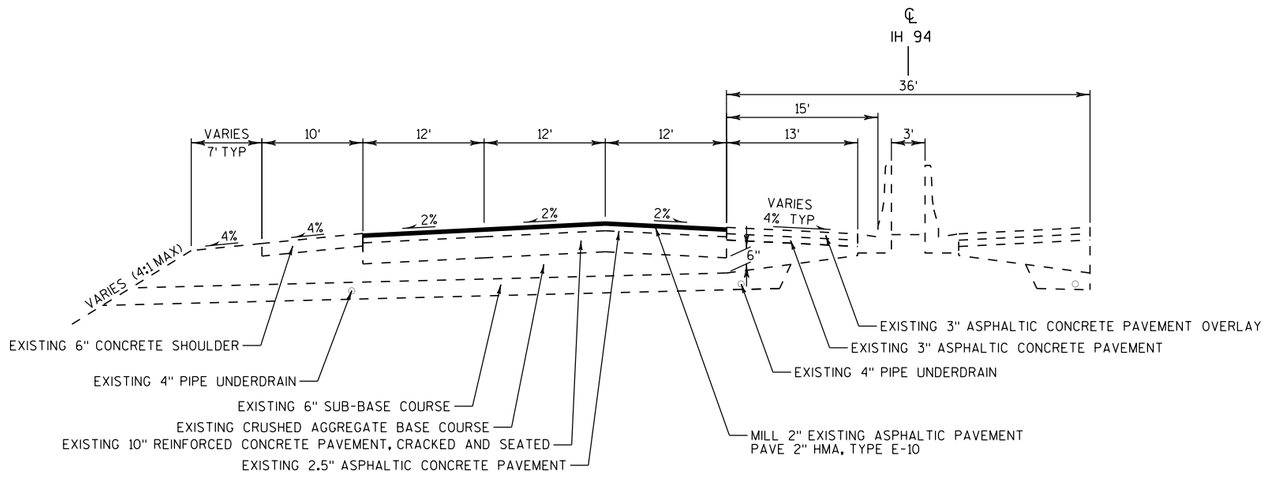
IH 94

STA. 657+80 - STA. 1292+50

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	TYPICAL SECTIONS	SHEET 8	E



TYPICAL FINISHED SECTION
NORTHBOUND IH 94
STA. 1292+50 - STA. 1295+00
STA. 196+16 - STA. 409+00



TYPICAL FINISHED SECTION
SOUTHBOUND IH 94
STA. 1292+50 - STA. 1295+00
STA. 196+16 - STA. 409+00

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	TYPICAL SECTIONS	SHEET 9	E

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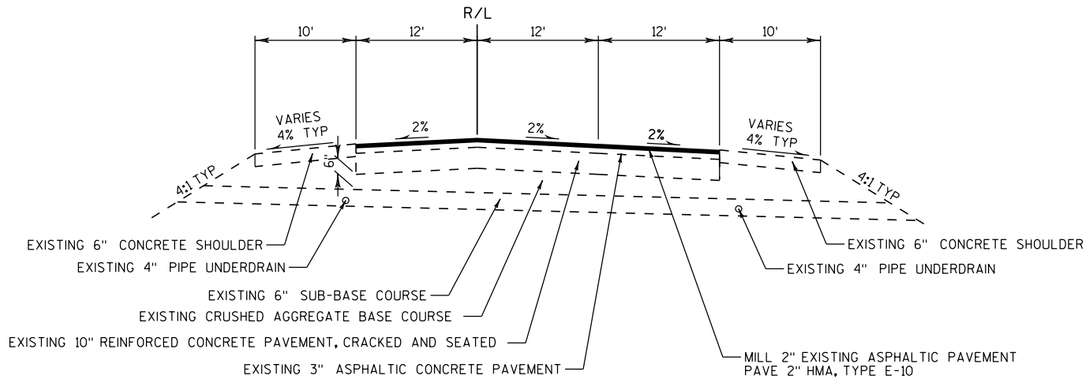
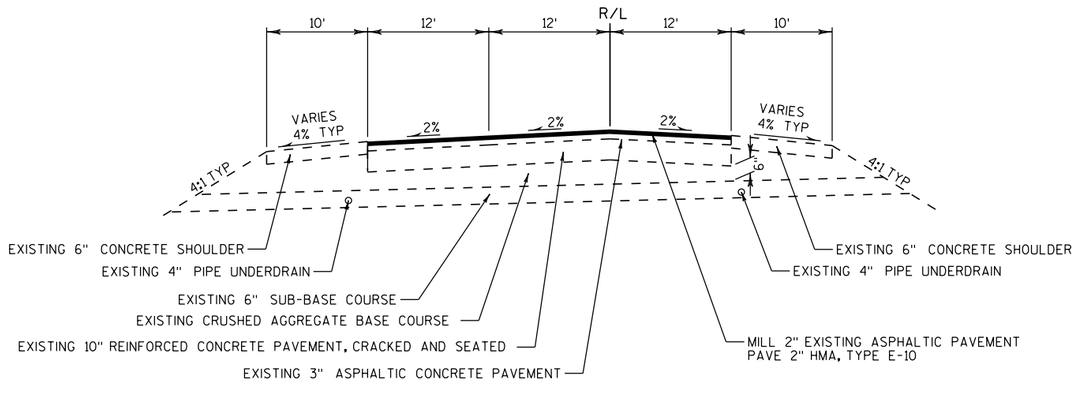
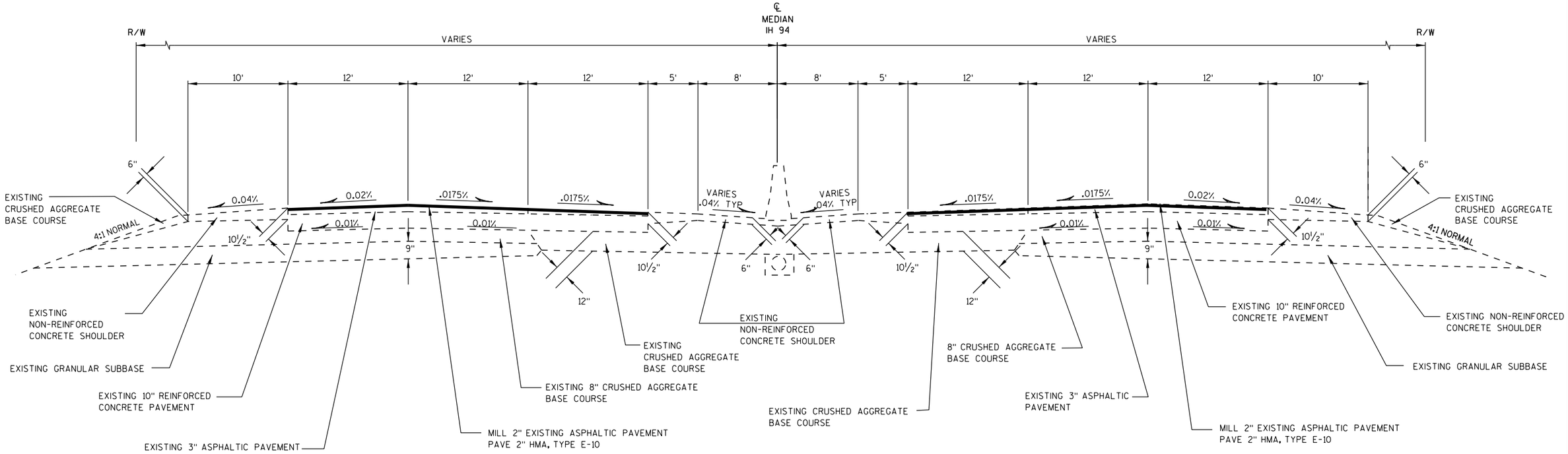


TYPICAL FINISHED SECTION
NORTHBOUND IH 94
STA. 132+00 - STA. 196+16



TYPICAL FINISHED SECTION
SOUTHBOUND IH 94
STA. 133+00 - STA. 196+16

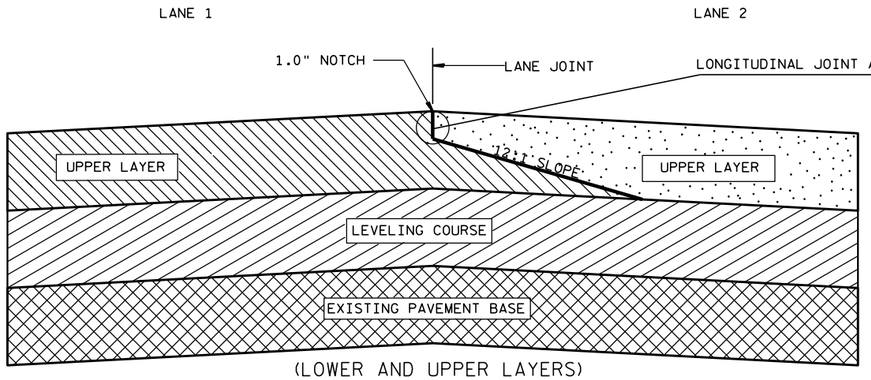


TYPICAL FINISHED SECTION

IH 94

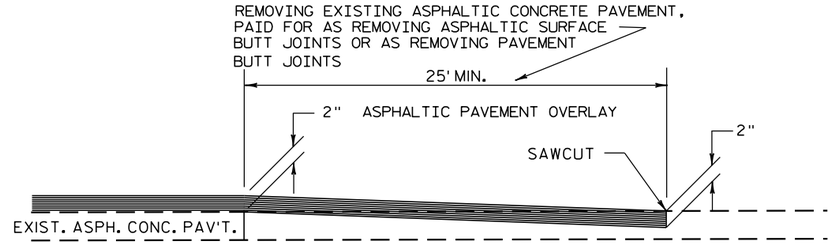
STA. 657+80 - STA. 1292+50

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	TYPICAL SECTIONS	SHEET 11	E



(LOWER AND UPPER LAYERS)

TYPICAL PAVEMENT CROSS SECTIONS OF
TAPERED AND NOTCHED LONGITUDINAL JOINTS
*AT CENTERLINE - OUTSIDE EDGELINE



BUTT JOINT DETAIL

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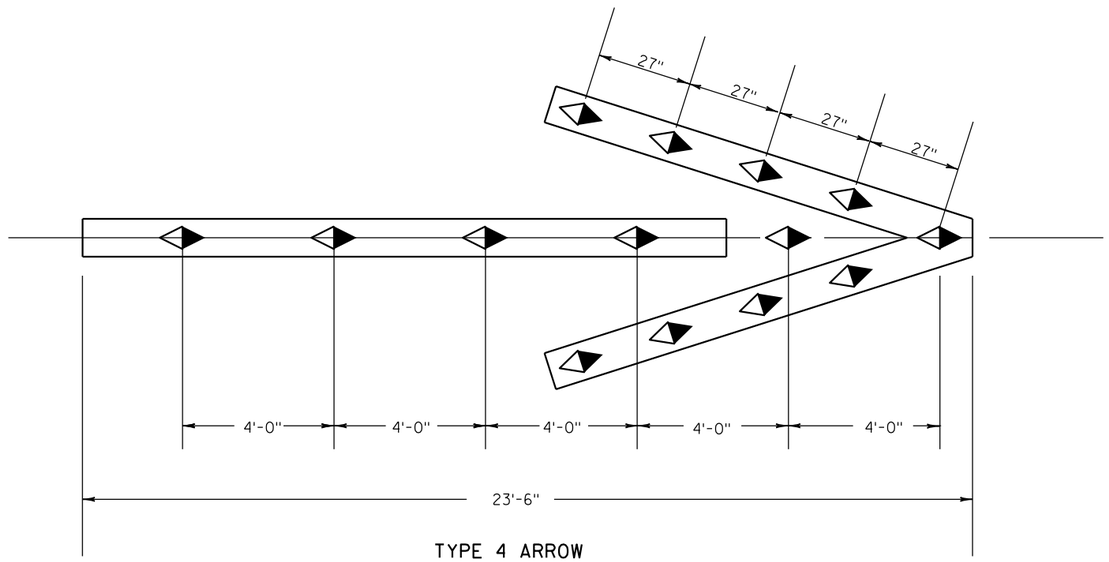
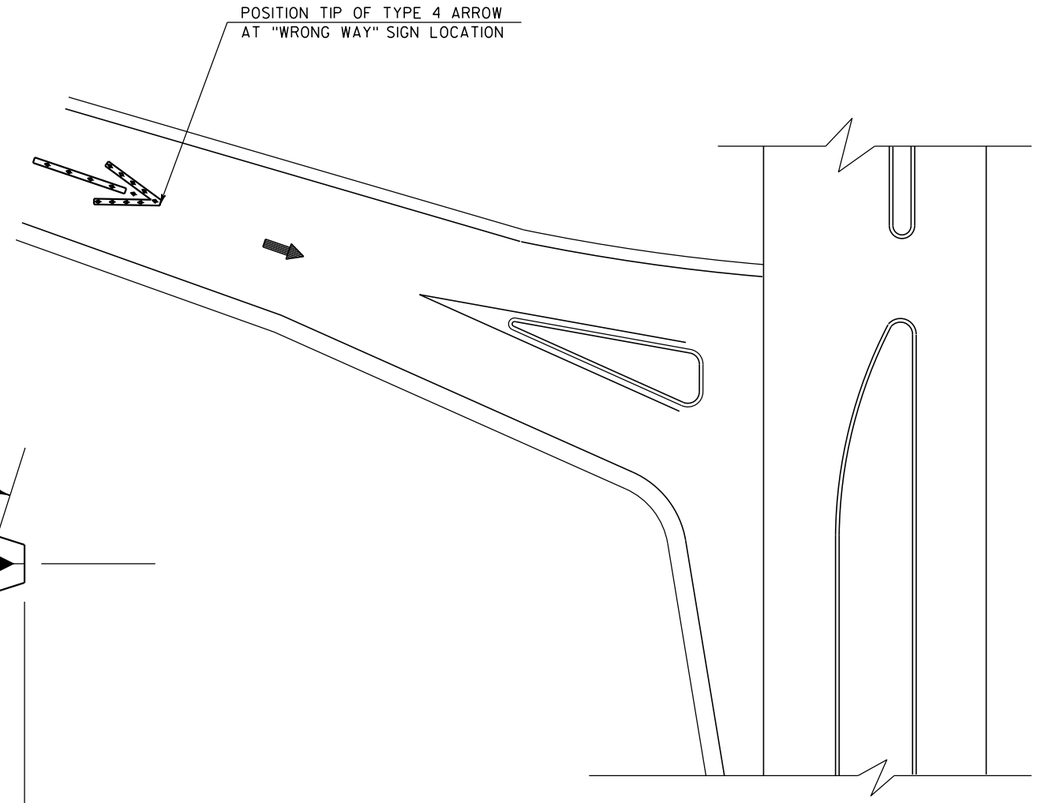


TYPE 4 ARROW
NEW INSTALLATION



EXIT RAMP
PLAN VIEW

GENERAL NOTES

MARKER REFLECTORS INSTALLED IN TYPE 4 ARROWS BEFORE APPLICATION OF THE ARROW MARKING MATERIAL SHALL BE MASKED TO PREVENT COATING.

MARKERS SHALL NOT BE LOCATED DIRECTLY OVER LONGITUDNAL JOINTS. PLACE MARKERS ADJACENT TO THE JOINT LINE TO AVOID TEMPERATURE AND SHRINKAGE AND / OR BREAKAGE OF CONCRETE.

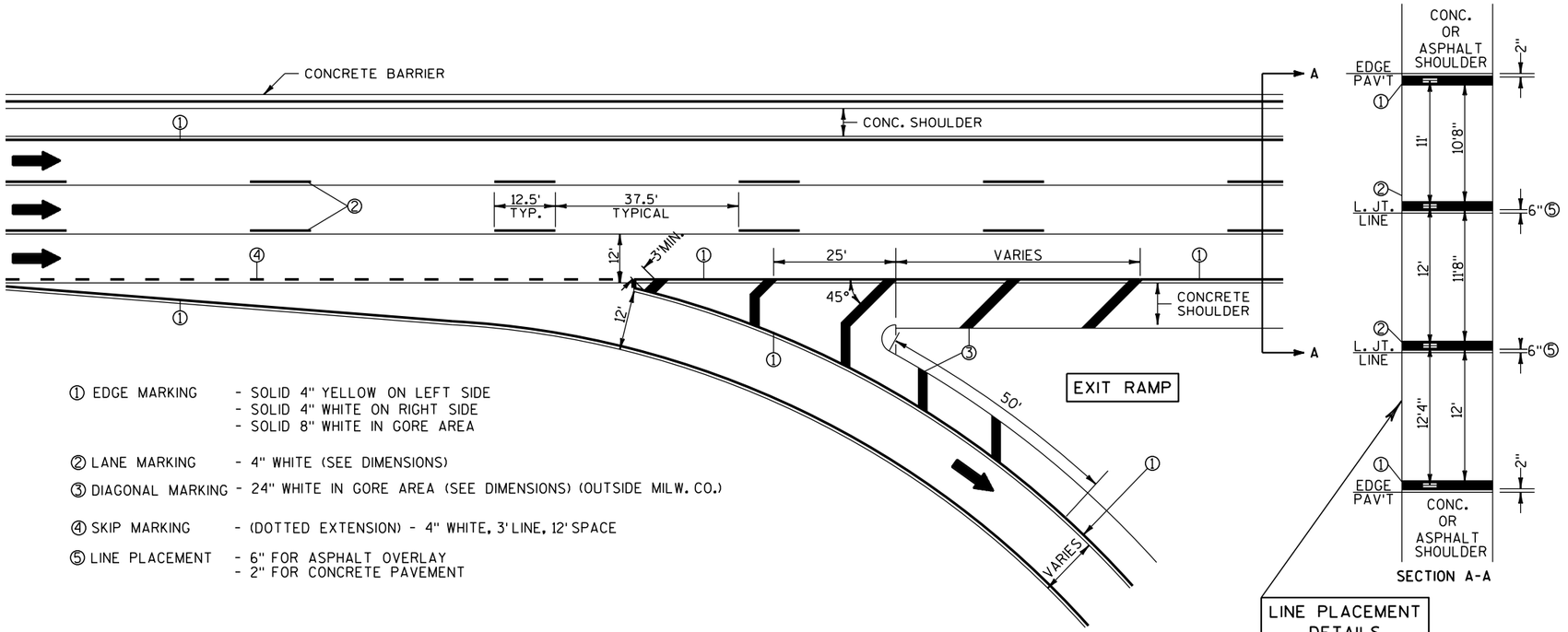
LEGEND

TWO WAY REFLECTOR (OPAQUE WHITE / REFLECTIVE RED REFLECTOR)

DIRECTION OF TRAVEL

(RAMPS & ARROWS)

2



① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE
- SOLID 8" WHITE IN GORE AREA

② LANE MARKING - 4" WHITE (SEE DIMENSIONS)

③ DIAGONAL MARKING - 24" WHITE IN GORE AREA (SEE DIMENSIONS) (OUTSIDE MILW. CO.)

④ SKIP MARKING - (DOTTED EXTENSION) - 4" WHITE, 3' LINE, 12' SPACE

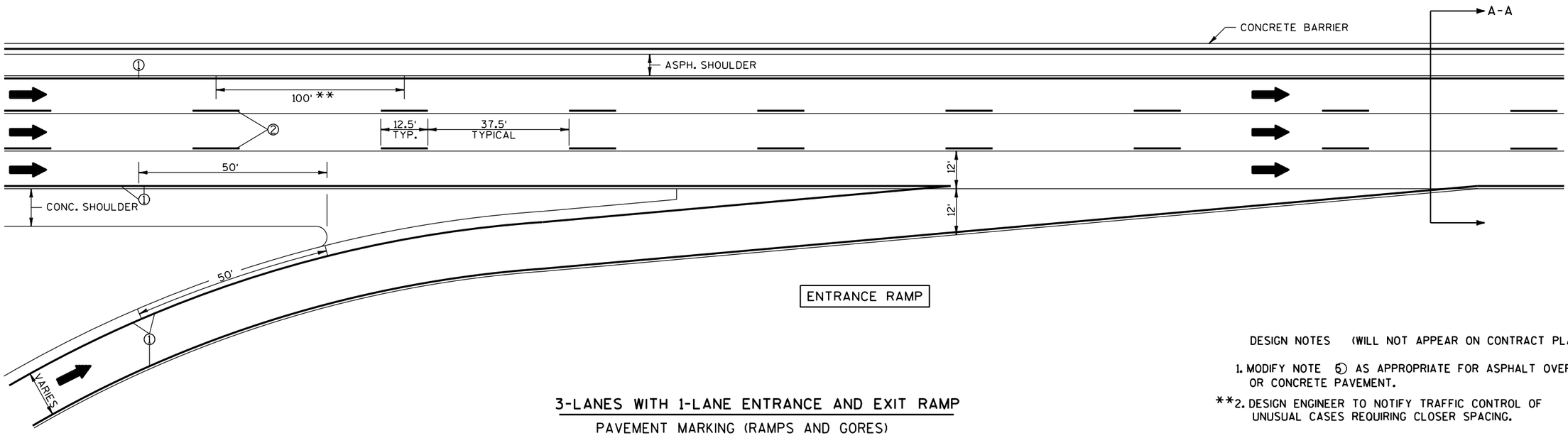
⑤ LINE PLACEMENT - 6" FOR ASPHALT OVERLAY
- 2" FOR CONCRETE PAVEMENT

SECTION A-A

LINE PLACEMENT DETAILS

NOTES:

1. WHERE THE DOTTED EXTENSION OF THE RIGHT EDGE LINE IS SHOWN ON THE PLAN, IT SHALL BE 4" WIDE, WITH A LINE SKIP PATTERN CONSISTING OF A 3' LONG LINE AND A 12' SKIP.
2. PAVEMENT LANE MARKINGS SHALL BE LOCATED 6" OFF THE LONGITUDINAL JOINT OF THE UNDERLYING CONC. PAVEMENT.
3. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
4. SPOTTING FOR PAVEMENT LANE MARKINGS AND EDGE LINES SHALL BE 4"x4" PIECES OF REFLECTORIZED PAV'T MARKING TAPE SPACED AT 50' INTERVALS, INCIDENTAL TO PAV'T MARKING.
5. SEE STANDARD DETAIL DRAWING FOR RAISED PAVEMENT MARKERS IN GORE AND LINE WIDTH TOLERANCES.



ENTRANCE RAMP

3-LANES WITH 1-LANE ENTRANCE AND EXIT RAMP

PAVEMENT MARKING (RAMPS AND GORES)

DESIGN NOTES (WILL NOT APPEAR ON CONTRACT PLANS)

1. MODIFY NOTE ⑤ AS APPROPRIATE FOR ASPHALT OVERLAY OR CONCRETE PAVEMENT.

**2. DESIGN ENGINEER TO NOTIFY TRAFFIC CONTROL OF UNUSUAL CASES REQUIRING CLOSER SPACING.

2

2

N

BEGIN CONSTRUCTION 1030-33-60
STA. 633+00
MATCH EXISTING
BEGIN MILL AND RESURFACE

AP22

AP22

BEGIN CONSTRUCTION 1030-33-60
STA. 635+60
MATCH EXISTING
BEGIN MILL AND RESURFACE

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

NOTE: AERIAL PHOTO OUT OF DATE, ADJUST ACCORDINGLY.

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 15	E

2

2

BEGIN PROJECT 1030-33-60
STA. 658+00

END CONSTRUCTION 1030-33-60
STA. 657+60
MATCH EXISTING
END MILL AND RESURFACE

AP22

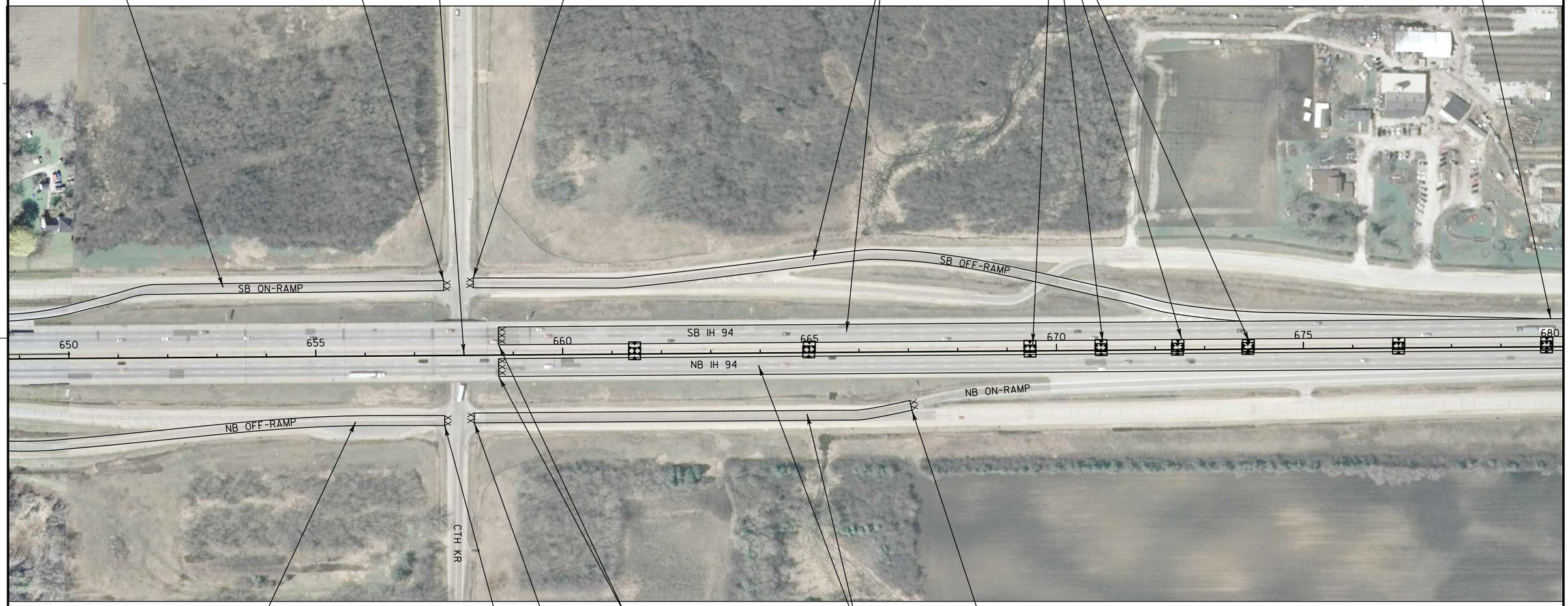
BEGIN CONSTRUCTION 1030-33-60
STA. 658+20
MATCH EXISTING
BEGIN MILL AND RESURFACE

INLET PROTECTION TYPE D

AP22

END CONSTRUCTION 1030-33-60
STA. 680+00
MATCH EXISTING
END MILL AND RESURFACE

N



AP22

BEGIN MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 658+70
MATCH EXISTING

AP22

END CONSTRUCTION 1030-33-60
STA. 667+05
MATCH EXISTING
END MILL AND RESURFACE

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

BEGIN CONSTRUCTION 1030-33-60
STA. 658+20
MATCH EXISTING
BEGIN MILL AND RESURFACE

END CONSTRUCTION 1030-33-60
STA. 657+60
MATCH EXISTING
END MILL AND RESURFACE

NOTE: AERIAL PHOTO OUT OF DATE, ADJUST ACCORDINGLY.

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 16	E

2

2

N

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 17 E

END MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 710+51
MATCH EXISTING

BEGIN MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 711+94
MATCH EXISTING

AP22

INLET PROTECTION TYPE D

N

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 18	E

2

2

BEGIN CONSTRUCTION 1030-33-60
STA. 752+27
MATCH EXISTING
BEGIN MILL AND RESURFACE

AP22

END CONSTRUCTION 1030-33-60
STA. 754+20
MATCH EXISTING
END MILL AND RESURFACE

BEGIN CONSTRUCTION 1030-33-60
STA. 741+79
MATCH EXISTING
BEGIN MILL AND RESURFACE

END CONSTRUCTION 1030-33-60
STA. 754+25
MATCH EXISTING
END MILL AND RESURFACE

N

END MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 754+59
MATCH EXISTING

END MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 763+55
MATCH EXISTING

BEGIN MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 757+69
MATCH EXISTING

BEGIN MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 764+97
MATCH EXISTING

SB ON-RAMP

SB OFF-RAMP

PT 744+39.94

58TH RD

SOUTH SYLVANIA AVENUE

SB IH 94

NB IH 94

740 745 750 755 760 765 770

PC 739+64.64

PT 749+14.89

NB OFF-RAMP

NB ON-RAMP

STH 11

SOUTHEAST FRONTAGE ROAD

BEGIN CONSTRUCTION 1030-33-60
STA. 752+75
MATCH EXISTING
BEGIN MILL AND RESURFACE

AP22

END CONSTRUCTION 1030-33-60
STA. 755+50
MATCH EXISTING
END MILL AND RESURFACE

BEGIN CONSTRUCTION 1030-33-60
STA. 741+45
MATCH EXISTING
BEGIN MILL AND RESURFACE

AP22

END CONSTRUCTION 1030-33-60
STA. 756+00
MATCH EXISTING
END MILL AND RESURFACE

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 19	E

2

2

N

AP22

SOUTH SYLVANIA AVENUE

26

LEETSBIR RD

770 775 SB IH 94 780 785 790 795

NB IH 94

SOUTHEAST FRONTAGE ROAD

LOUIS SORENSON RD

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 20	E

2

INLET PROTECTION TYPE D

AP22

N

END MILL AND RESURFACE
AT STH 20 PROJECT LIMITS
STA. 822+00
MATCH EXISTING

GRANDVIEW PKWY

PC 800+73.76

PT 809+42.65

SOUTH SYLVANIA AVENUE

800 805 810 815 820 825 83

SB IH 94

NB IH 94

SOUTHEAST FRONTAGE ROAD

PI 805+08.21

WORK BEING COMPLETED BY OTHERS.
COORDINATE WITH PROJECT *1033-02-72

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

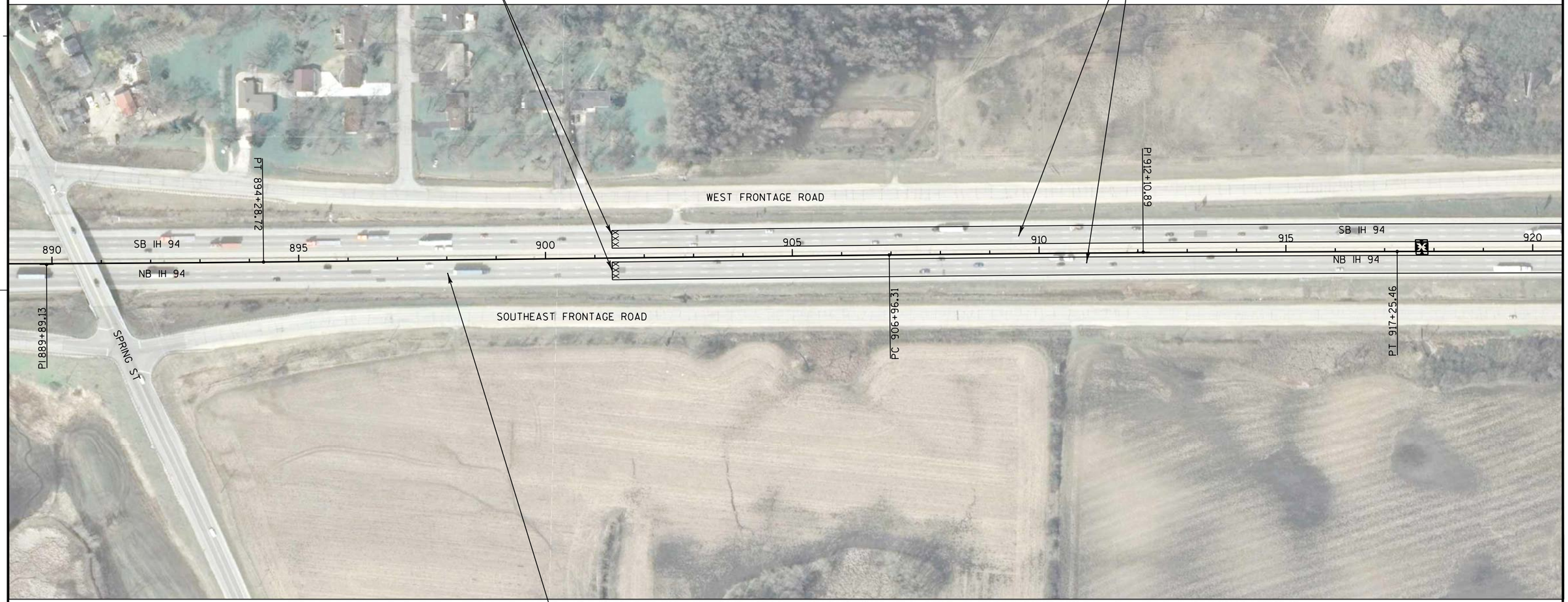
PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 21	E

2

BEGIN MILL AND RESURFACE
AT STH 20 PROJECT LIMITS
STA. 901+35
MATCH EXISTING

N

AP22



WORK BEING COMPLETED BY OTHERS.
COORDINATE WITH PROJECT #1033-02-72

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
☒	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 22	E

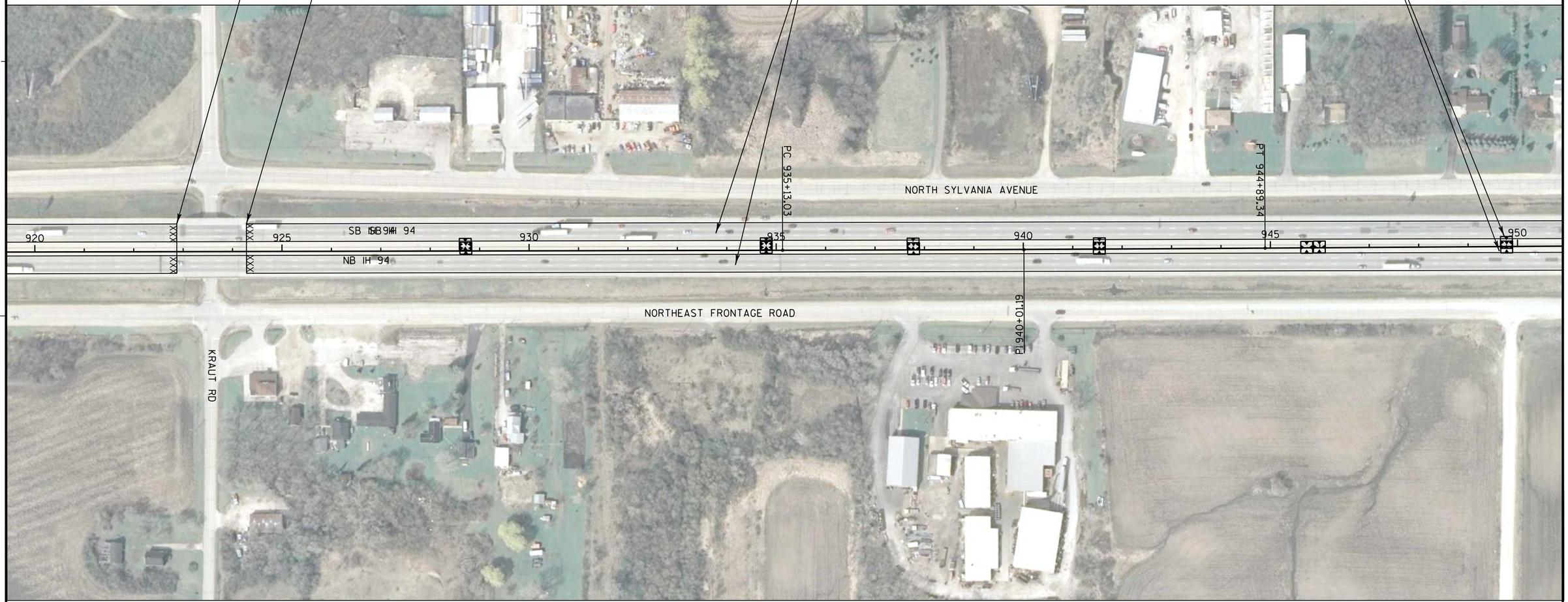
END MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 922+86
MATCH EXISTING

BEGIN MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 924+27
MATCH EXISTING

N

AP22

INLET PROTECTION TYPE D



LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

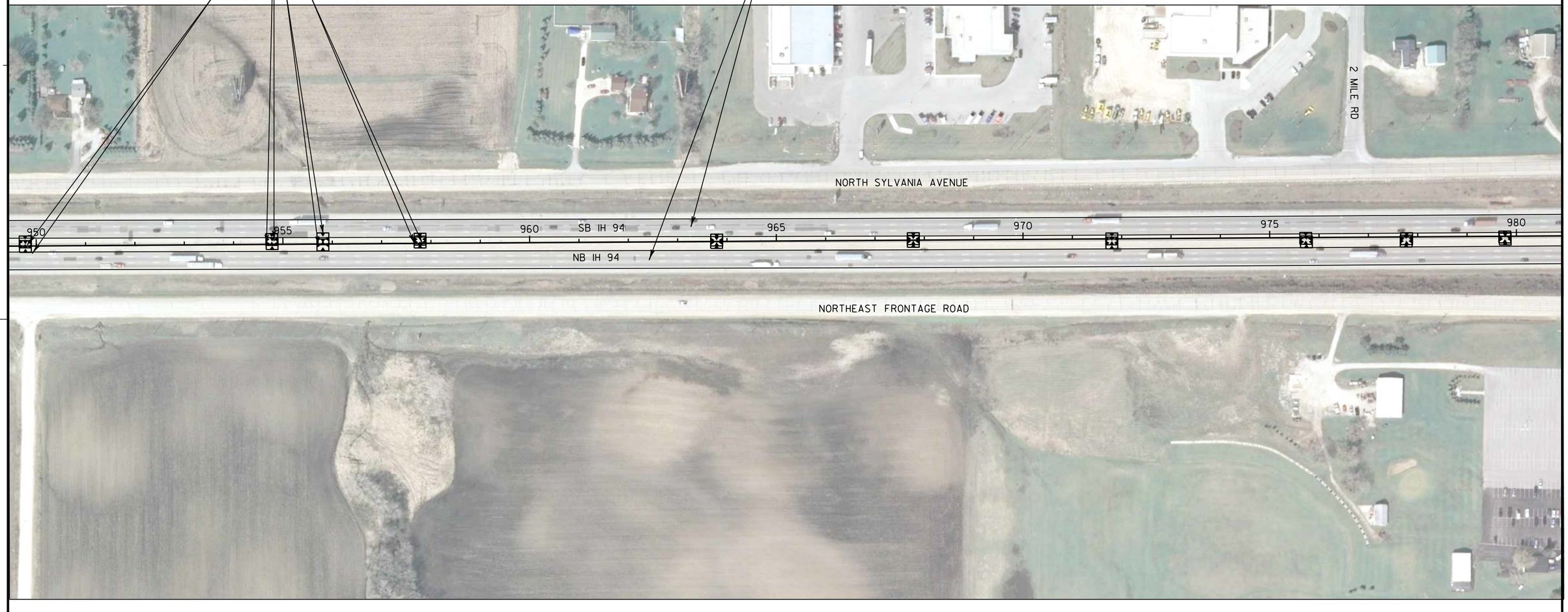
PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 23	E

2

N

INLET PROTECTION TYPE D

AP22



LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 24	E

2

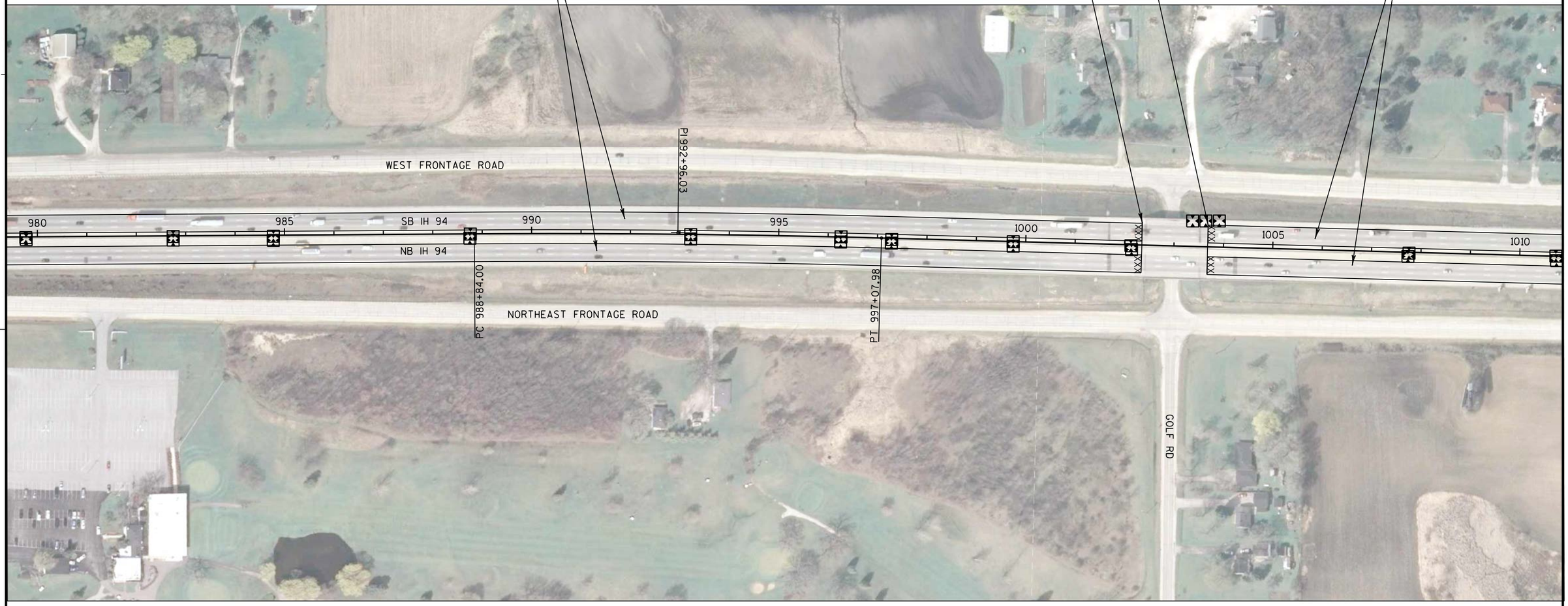
BEGIN MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 1003+68
MATCH EXISTING

END MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 1002+35
MATCH EXISTING

N

AP22

AP22



LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 25	E

2

2

INLET PROTECTION TYPE D

N

AP22

PC 1014+95.03

PT 1024+45.60

PI 1019+70.33

WEST FRONTAGE ROAD

SB IH 94

NB IH 94

NORTHEAST FRONTAGE ROAD

NB OFF-RAMP

1010 1015 1020 1025 1030 1035 1040

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

NOTE: AERIAL PHOTO IS OUT OF DATE, ADJUST ACCORDINGLY.

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET	E

FILE NAME : J:\projects\d2_10303394\60\050113_PD.dgn PLOT DATE : 16-OCT-2013 16:18 PLOT BY : dotslk PLOT NAME : PLOT SCALE : 200:1

2

BEGIN CONSTRUCTION 1030-33-60
STA. 1050+25
MATCH EXISTING
BEGIN MILL AND RESURFACE

END CONSTRUCTION 1030-33-60
STA. 1055+45
MATCH EXISTING
END MILL AND RESURFACE

BEGIN CONSTRUCTION 1030-33-60
STA. 1056+45
MATCH EXISTING
BEGIN MILL AND RESURFACE

N

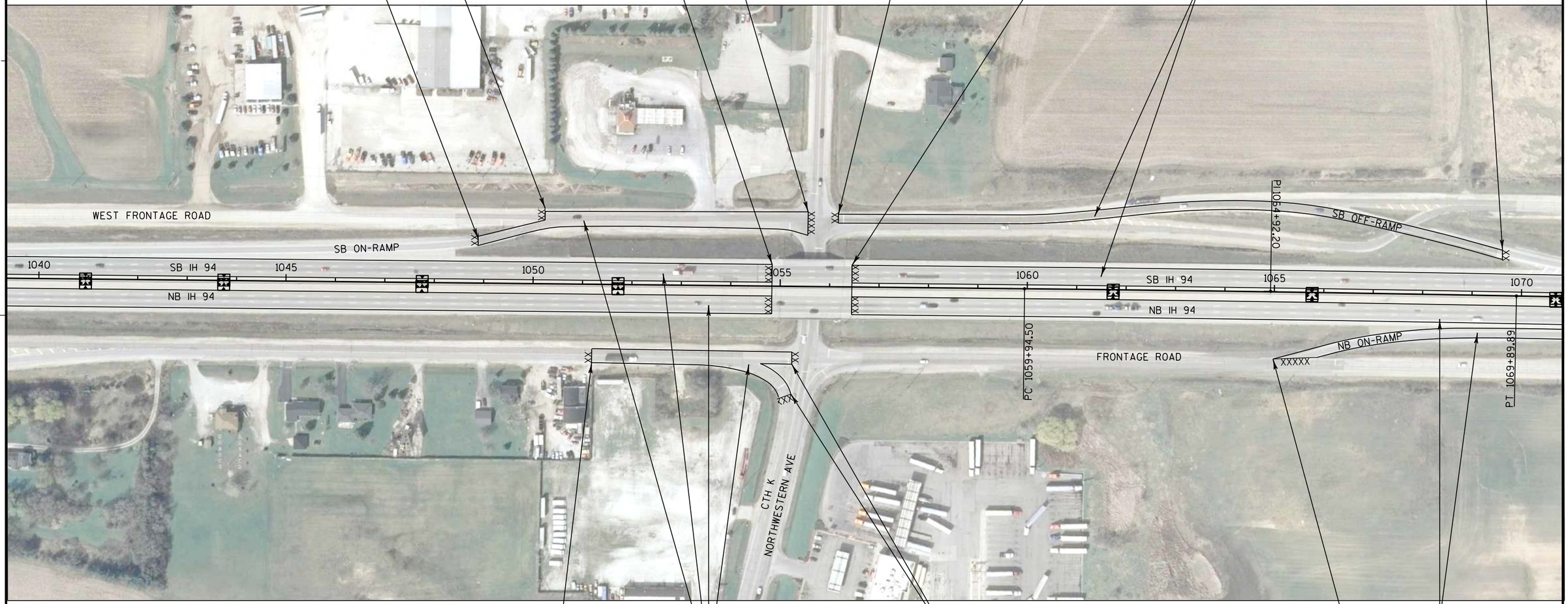
BEGIN CONSTRUCTION 1030-33-60
STA. 1048+88
MATCH EXISTING
BEGIN MILL AND RESURFACE

END MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 1054+82
MATCH EXISTING

BEGIN MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 1056+45
MATCH EXISTING

AP22

END CONSTRUCTION 1030-33-60
STA. 1069+60
MATCH EXISTING
END MILL AND RESURFACE



AP22

AP22

AP22

BEGIN CONSTRUCTION 1030-33-60
STA. 1051+20
MATCH EXISTING
BEGIN MILL AND RESURFACE

END CONSTRUCTION 1030-33-60
STA. 1055+25
MATCH EXISTING
END MILL AND RESURFACE

BEGIN CONSTRUCTION 1030-33-60
STA. 1265+00
MATCH EXISTING
BEGIN MILL AND RESURFACE

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

NOTE: AERIAL PHOTO IS OUT OF DATE, ADJUST ACCORDINGLY.

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 27	E

2

2

INLET PROTECTION TYPE D

AP22

N

WEST FRONTAGE ROAD

1070

1075

1080

1085

SB IH 94

1090

1095

1100

NB IH 94

PT 1069+89.89

EAST FRONTAGE ROAD

4 MILE RD

END CONSTRUCTION 1030-33-60
STA. 1083+75
MATCH EXISTING
END MILL AND RESURFACE

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 28	E

2

2

N

END MILL AND RESURFACE
AT CTH G PROJECT LIMITS
STA. 1130+84
MATCH EXISTING

AP22

WEST FRONTAGE ROAD

1100 1105 1110 1115 1120 SB IH 94 1125 1130

NB IH 94

EAST FRONTAGE ROAD

BELL RD

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 29	E

2

2

N

AP22

END MILL AND RESURFACE
AT CTH G PROJECT LIMITS
STA. 1130+84
MATCH EXISTING

INLET PROTECTION TYPE D

PC 1135+46.21

PT 1144+05.39

WEST FRONTAGE ROAD

1130 1135 1140 1145 SB IH 94 1150 1155 1160

NB IH 94

EAST FRONTAGE ROAD

PI 1139+75.82

PC 1156+40.93

INLET PROTECTION TYPE D

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 30	E

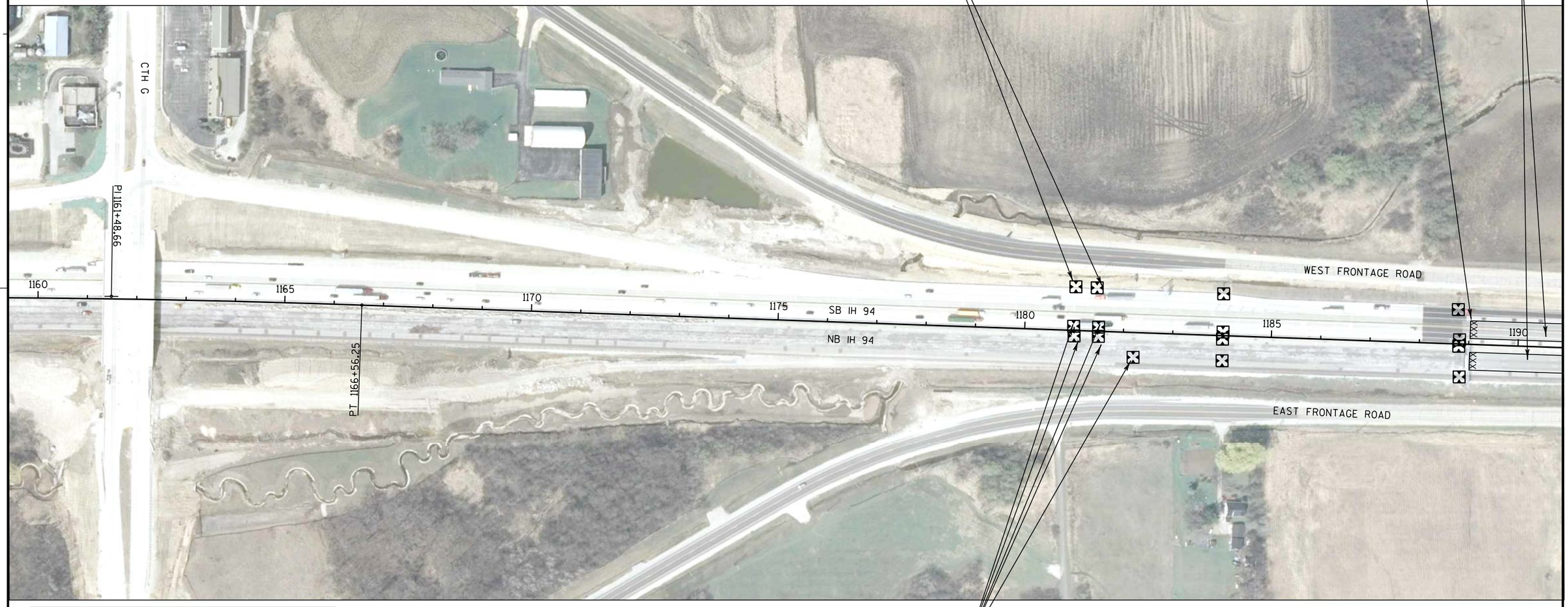
2

N

INLET PROTECTION TYPE D

BEGIN MILL AND RESURFACE
AT CTH G PROJECT LIMITS
STA. 1189+01
MATCH EXISTING

AP22



INLET PROTECTION TYPE D

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 31	E

2

2

N

AP22

PC 1199+38.64

WEST FRONTAGE ROAD

PT 1207+98.57

1190 1195 1200 1205 SB IH 94 1210 1215 1220

NB IH 94

PI 1203+68.65

EAST FRONTAGE ROAD

6½ MILE RD

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 32	E

FILE NAME : J:\projects\d2_10303394\60\050119_PD.dgn PLOT DATE : 16-OCT-2013 16:19 PLOT BY : dotslk PLOT NAME : PLOT SCALE : 200:1

2

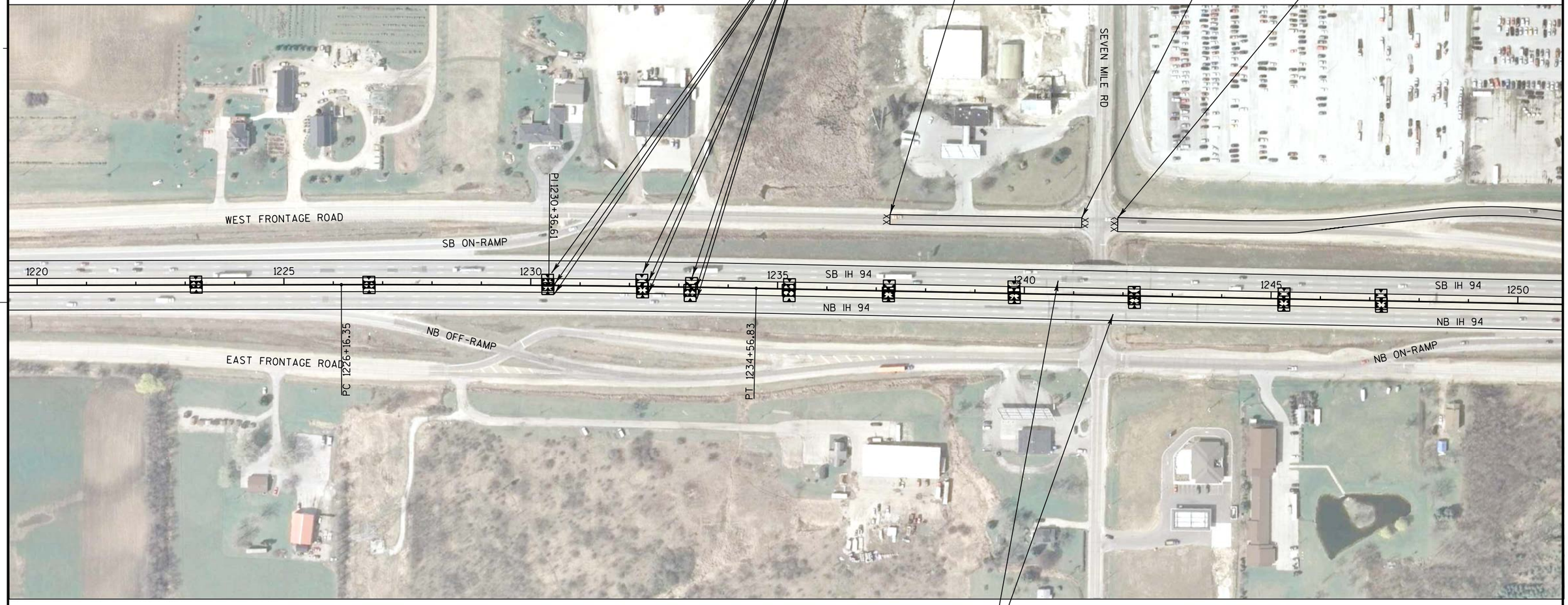
N

END CONSTRUCTION 1030-33-60
STA. 1241+85
MATCH EXISTING
END MILL AND RESURFACE

INLET PROTECTION TYPE D

BEGIN CONSTRUCTION 1030-33-60
STA. 1237+25
MATCH EXISTING
BEGIN MILL AND RESURFACE

BEGIN CONSTRUCTION 1030-33-60
STA. 1241+85
MATCH EXISTING
BEGIN MILL AND RESURFACE



AP22

AP22

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

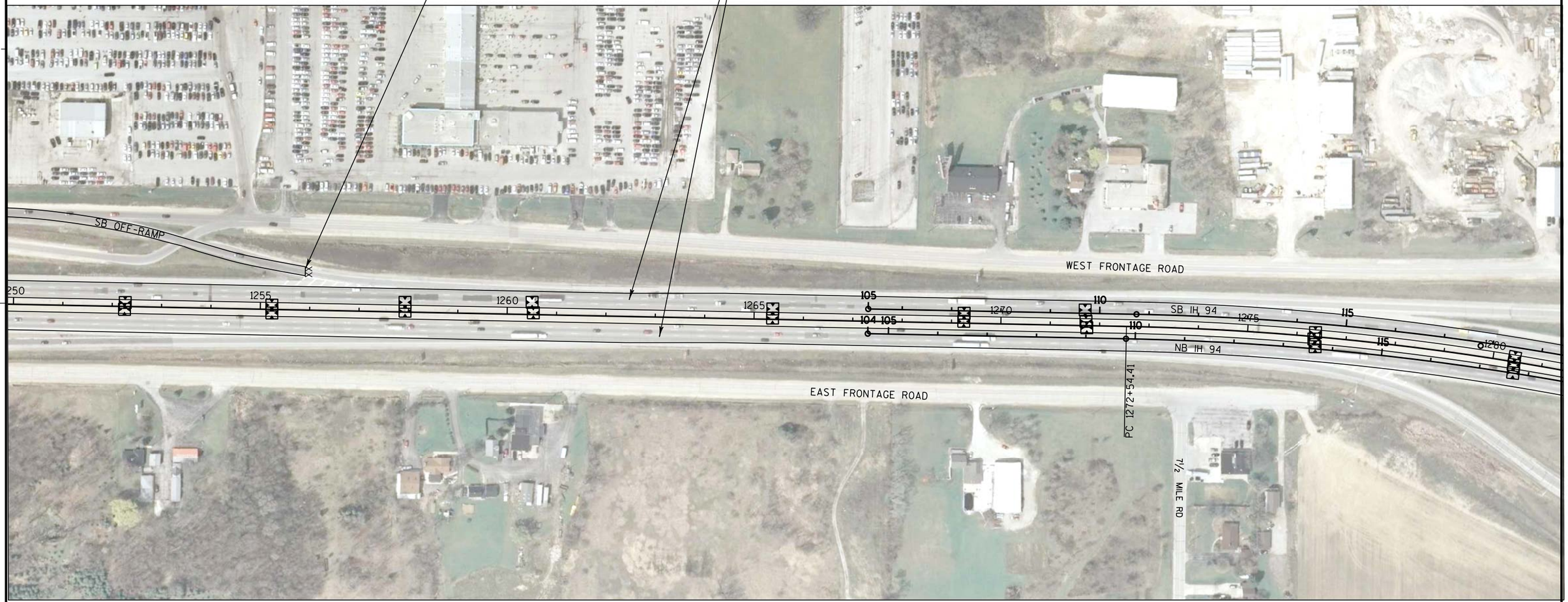
PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 33	E

2

N

END CONSTRUCTION 1030-33-60
STA. 1255+88
MATCH EXISTING
END MILL AND RESURFACE

AP22



LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 34	E

2

BEGIN MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 129+40 SB
MATCH EXISTING

END MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 126+50 SB
MATCH EXISTING

END MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 132+22 SB
MATCH EXISTING

BEGIN MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 135+58 SB
MATCH EXISTING

AP22

AP22

AP22

N

S 27TH ST

SB ON-RAMP

NB OFF-RAMP

SB IH 94

NB IH 94

MILWAUKEE COUNTY
RACINE COUNTY

120 125 130 135 140 145 150

1285 1290 1295 1300 1305 1310

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

END MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 125+63 NB
MATCH EXISTING

BEGIN MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 128+47 NB
MATCH EXISTING

END MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 131+25 NB
MATCH EXISTING

BEGIN MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 135+11 NB
MATCH EXISTING

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET	E

2

2

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 36	E

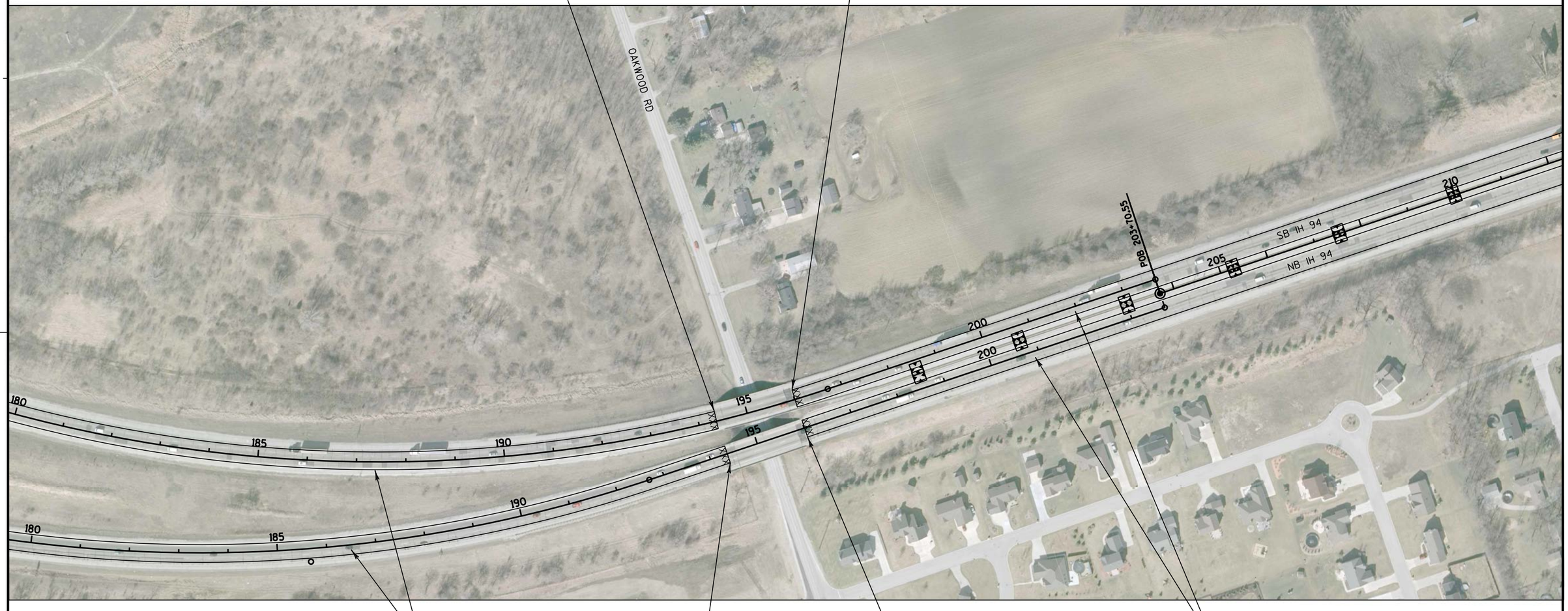
2

2

N

END MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 194+36 SB
MATCH EXISTING

BEGIN MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 196+01 SB
MATCH EXISTING



AP22

AP22

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

END MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 194+36 NB
MATCH EXISTING

BEGIN MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 196+01 NB
MATCH EXISTING

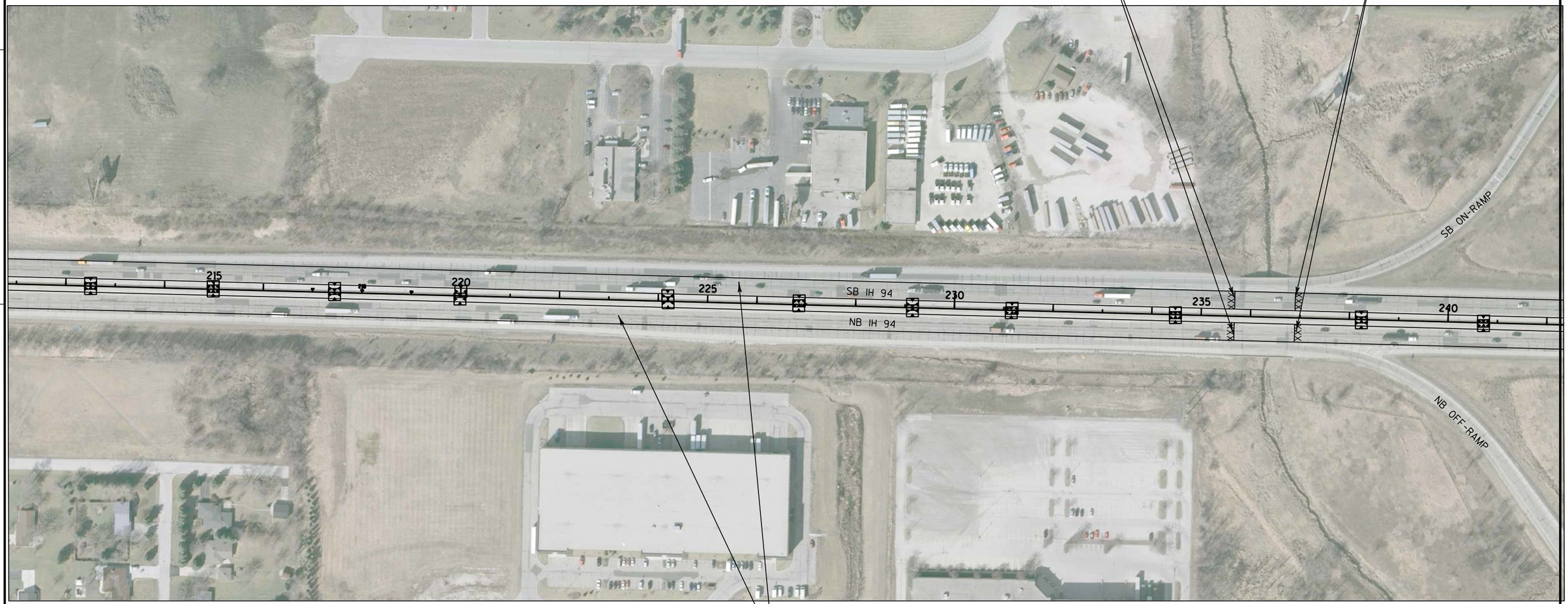
PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 37	E

2

N

END MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 235+67
MATCH EXISTING

BEGIN MILL AND RESURFACE
AT BRIDGE APPROACH SLAB
STA. 236+99
MATCH EXISTING



LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 38	E

FILE NAME : J:\projects\d2_10303394\60\050125_PD.dgn PLOT DATE : 16-OCT-2013 16:21 PLOT BY : dotslk PLOT NAME : PLOT SCALE : 200:1

2

2

N

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

SB OFF-RAMP

245

250

SB IH 94

NB IH 94

255

260

265

270

RYAN RD

NB ON-RAMP

AP22

WORK BEING COMPLETED BY OTHERS.
COORDINATE WITH PROJECT *2040-16-72

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 39	E

FILE NAME : J:\projects\d2_10303394\60\050126_PD.dgn PLOT DATE : 16-OCT-2013 16:21 PLOT BY : dotslk PLOT NAME : PLOT SCALE : 200:1

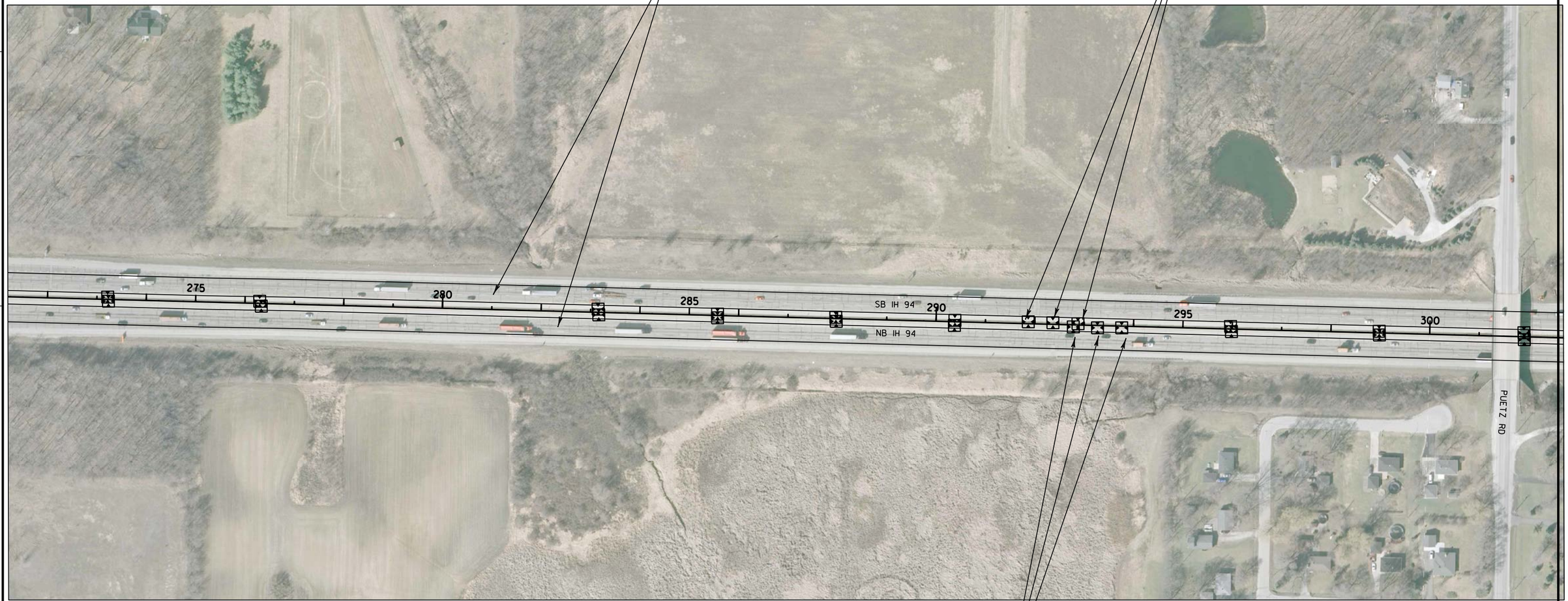
WISDOT/CADDS SHEET 42

2

N

AP22

INLET PROTECTION TYPE D



INLET PROTECTION TYPE D

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 40	E

2

N

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET 41	E

FILE NAME : J:\projects\d2_10303394\60\050128_PD.dgn PLOT DATE : 16-OCT-2013 16:22 PLOT BY : dotslk PLOT NAME : PLOT SCALE : 200:1

2

N

INLET PROTECTION TYPE D

335 SB IH 94 340 345 350 355 360

NB IH 94

DREXEL AVE

AP22

INLET PROTECTION TYPE D

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

NOTE: AERIAL PHOTO IS OUT OF DATE, ADJUST ACCORDINGLY.

2

2

N

365

370

SB IH 94

NB IH 94

375

380

385

390

AP22

LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET E

FILE NAME : J:\projects\d2_10303394\60\050130_PD.dgn PLOT DATE : 16-OCT-2013 16:22 PLOT BY : dotslk PLOT NAME : PLOT SCALE : 200:1

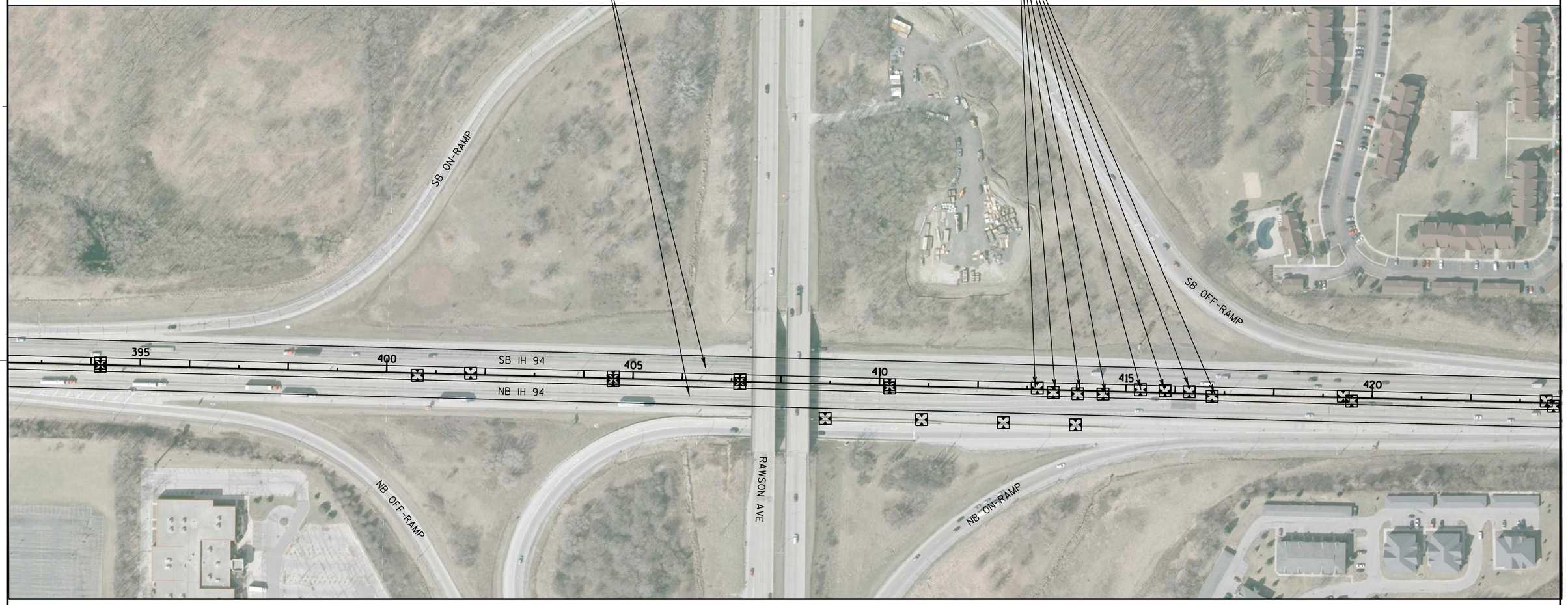
2

2

INLET PROTECTION TYPE D

AP22

N



LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

NOTE: AERIAL PHOTO IS OUT OF DATE, ADJUST ACCORDINGLY.

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET	E

FILE NAME : J:\projects\d2_10303394\60\050131_PD.dgn PLOT DATE : 07-NOV-2013 12:49 PLOT BY : dotslk PLOT NAME : PLOT SCALE : 200:1

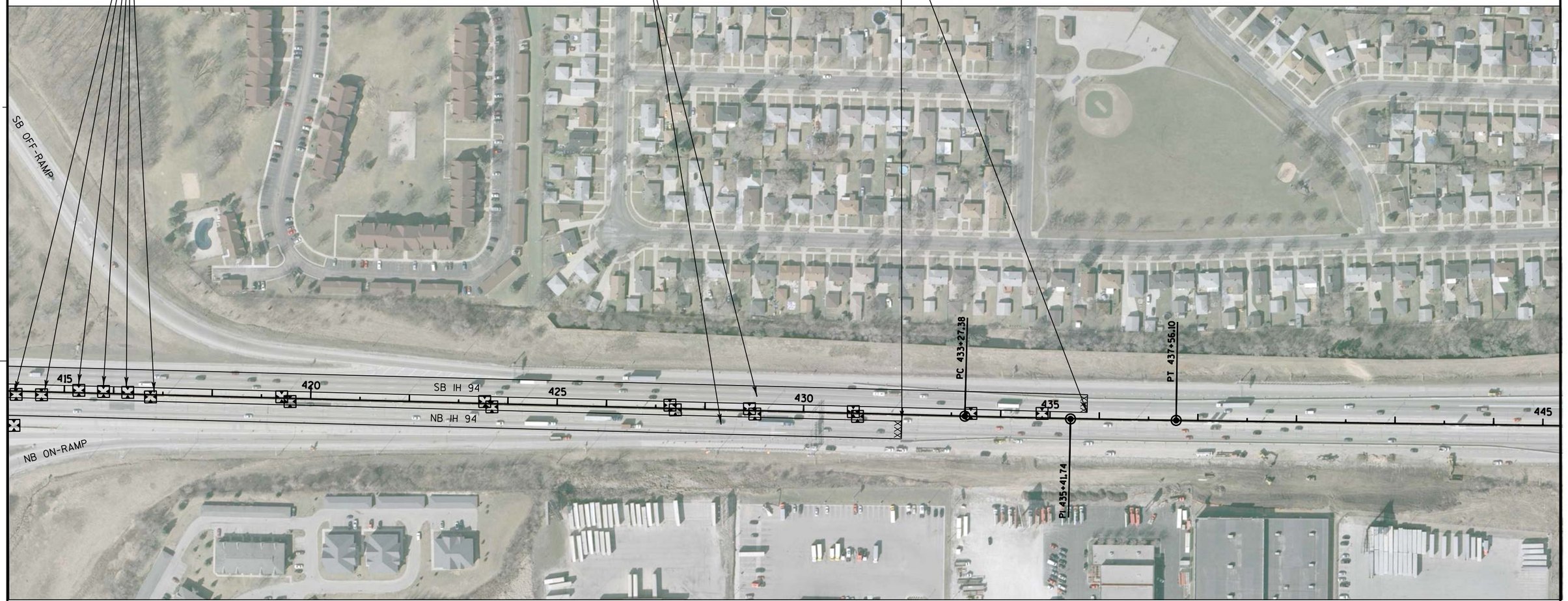
2

INLET PROTECTION TYPE D

AP22

END PROJECT 1030-33-60
STA. 435+75 SB
STA. 432+00 NB
MATCH EXISTING
END MILL AND RESURFACE

N



LEGEND

AP22	HMA PAVEMENT TYPE E-10, 2-INCH
⊠	INLET PROTECTION TYPE B UNLESS OTHERWISE NOTED
XXXXX XXXXX	SAWCUT

NOTE: AERIAL PHOTO IS OUT OF DATE, ADJUST ACCORDINGLY.

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PLAN DETAIL/EROSION CONTROL	SHEET	E

FILE NAME : J:\projects\d2_10303394\60\050132_PD.dgn PLOT DATE : 07-NOV-2013 12:12 PLOT BY : dotslk PLOT NAME : PLOT SCALE : 200:1

2

N

KENOSHA AREA
TOURISM INFORMATION
TUNE RADIO TO
830 AM
ESTR

TRAFFIC INFO
TUNE RADIO TO
1610 AM
IMPORTANT
WHEN FLASHING
ESTR

Kenosha Co
REMOVE
3

Kenosha Co
REPLACE AT
SAME LOCATION

4 & U.S.H. 41

94 & U.S.H. 41

660

665

INL

SIGN

P1658+50.74

Racine Co
1
INSTALL TYPE II SIGN, 7'X2' AND WOOD SUPPORTS, REMOVE EXISTING TYPE II SIGN AND SUPPORTS

Racine Co
REMOVE

W4-1(5)
2

REMOVE

Racine
NEXT 3 EXITS
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 1 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 46	E

2

N

EXIT 337
KR
Mount Pleasant

REMOVE

EXIT 337
KR
Mount Pleasant
6
6a

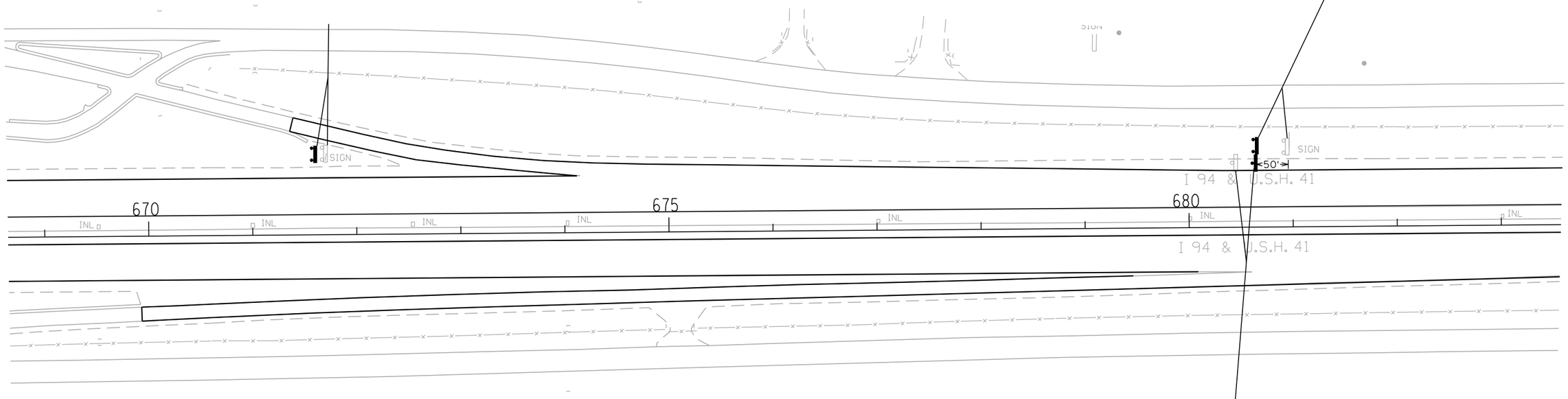
INSTALL TYPE I SIGNS,
REMOVE EXISTING TYPE I SIGNS,
15 FOOT HORIZONTAL OFFSET
POST #2 - STRADDLE FENCE,
STEEL POSTS

EXIT 337

REMOVE

EXIT 337
4

INSTALL TYPE II SIGN,
AND WOOD SUPPORTS,
REMOVE EXISTING TYPE II
SIGN AND SUPPORTS



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

5

EXIT
50
M.P.H.

W13-2(5)
INSTALL TYPE II SIGN
AND WOOD SUPPORT
REMOVE EXISTING TYPE II
SIGN AND SUPPORT

EXIT
50
M.P.H.

REMOVE

SHEET 2 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 47	E

2

N

WEST NORTH
INTERSTATE 94 41
REMOVE

7
WEST NORTH
MB3-4 M3-1
INTERSTATE 94 INTERSTATE 41
M1-1 M1-1
J4-2(5)
REPLACE AT
SAME LOCATION

RIDESHARE
INFO CALL
1-800-455-POOL
D12-2A(5)
ESTR

685 690 695 U.S.H. 41
I 94
INL INL INL INL
I 94 & U.S.H. 41
SIGN
INL

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

8
8a
EXIT 335
11
Mount
Pleasant
1 MILE

TYPE I
INSTALL NEW STEEL SUPPORTS
20' SOUTH OF EXISTING SUPPORTS,
REMOVE EXISTING STEEL SUPPORTS,
15 FOOT OFFSET - STRADDLE FENCE

EXIT 335
11
Racine
Mount Pleasant
1 MILE
REMOVE

SPEED LIMIT 65
R2-1
ESTR

Union Grove
Sturtevant
EXIT 335
ESTR

SHEET 3 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 48	E

2

N

Great Lakes
Dragaway
EXIT 337
ESTR

KR 1/2
E 2 1/2
142 4
ESTR

60 th Rd
REMOVE

10 Braun Rd
M1-94
INSTALL TYPE II SIGN
AND WOOD SUPPORTS

700 705 710

INL INL INL SIGN

I 94 & U.S.H.

INL

SIGN

60 th Rd.

11 1/2
20 2 1/4
K 6
ESTR

Braun Rd 9
M1-94
INSTALL TYPE II SIGN
AND WOOD SUPPORTS

60 th Rd
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 4 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 49	E

2

N

REMOVE

INSTALL TYPE I SIGNS,
REUSE STEEL POSTS

PC 713+96.47

PT 722+06.73

715

720

725

I 94 & U.S.H. 41

I 94 & U.S.H. 41

I 94 & U.S.H. 41

PI 718+01.73

GAS - EXIT 335
FOOD LODGING CAMPING
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 5 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 50	E

2

N

EXIT
35
M.P.H.

REMOVE

EXIT
35
MPH

13

W13-2C(5)

INSTALL TYPE II SIGN
AND WOOD SUPPORT
REMOVE EXISTING TYPE II
SIGN AND SUPPORT

REMOVE

15

W4-1(5)

REPLACE AT
SAME LOCATION

730

735

740

INL

INL

SIGN

PC 740+30.70

SIGN

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

EXIT 335

11

Racine
Mount Pleasant

12

12a

INSTALL TYPE I SIGNS,
INSTALL NEW STEEL SUPPORTS
20' NORTH OF EXISITING SIGN
REMOVE EXISTING TYPE I SIGN AND SUPPORTS

EXIT 335

11

Racine
Mount Pleasant

REMOVE

14

EXIT
335

INSTALL TYPE II SIGN,
AND WOOD SUPPORTS
REMOVE EXISTING TYPE II
SIGN AND SUPPORTS

EXIT
335

REMOVE

SHEET 6 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 51	E

2

N

EXIT 335

REMOVE

EXIT 335

17

E5-1A(5)

PI 744+45.86

745

750

755

INL

W

I 94 & U.S.H. 41

I 94 & U.S.H. 41

PT 748+60.70

S.T.H. 11

S.T.H. 11

16

W4-1(5)

REPLACE AT SAME LOCATION

REMOVE

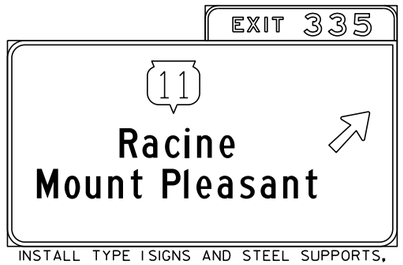
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 7 OF 71

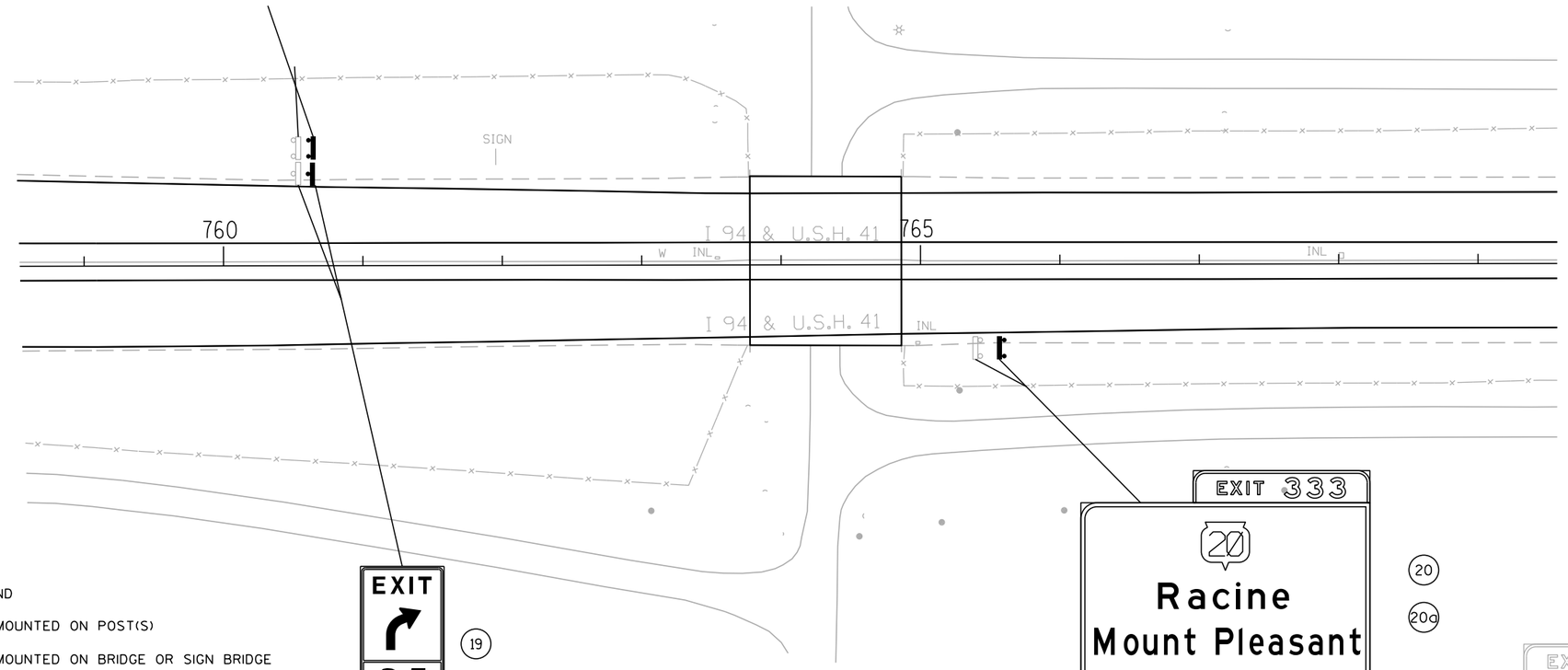
PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 52	E

REMOVE



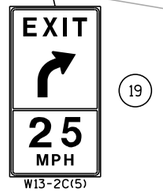
18
18a

INSTALL TYPE I SIGNS AND STEEL SUPPORTS,
REMOVE EXISTING TYPE I SIGN AND SUPPORTS
PLACE 20' NORTH OF EXISTING



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



19

W13-2C(5)

INSTALL TYPE II SIGN
AND WOOD SUPPORT,
REMOVE EXISTING TYPE II
SIGN AND SUPPORT

REMOVE

20
20a

PROVIDE NEW STEEL POSTS,
PLACE 20' NORTH OF EXISTING SIGN
REMOVE EXISTING STEEL POSTS

REMOVE

SHEET 8 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 53	E

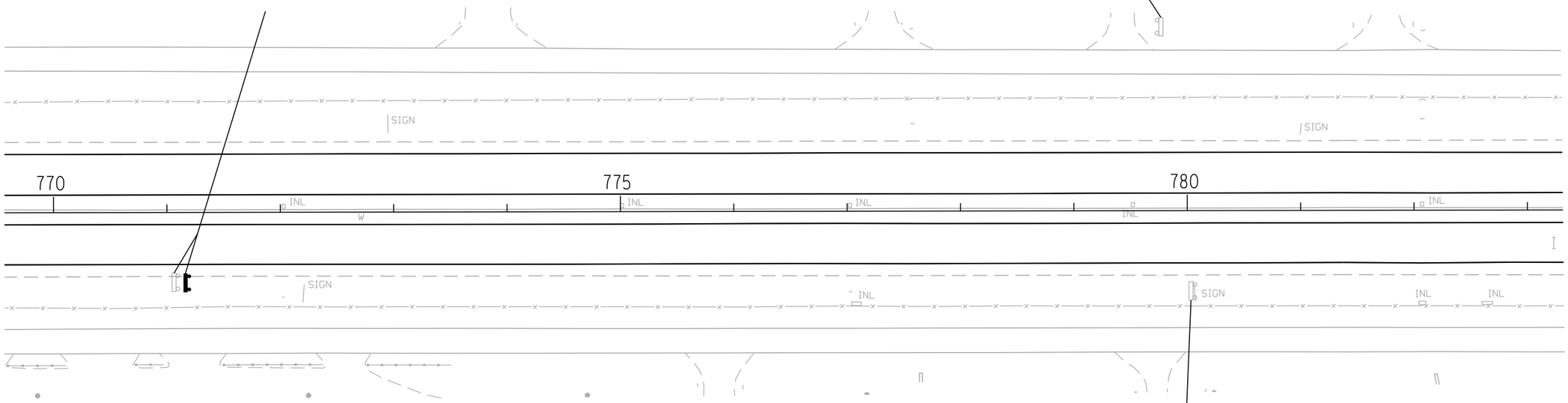
2

N

WEST NORTH
INTERSTATE 94 41
REMOVE

21
WEST NORTH
MB3-4 M3-1
INTERSTATE 94 INTERSTATE 41
M1-1 M1-1
J4-2(5)
REPLACE AT
SAME LOCATION

GAS EXIT 335
FOOD EXIT 335
LODGING CAMPING
ESTR



Gateway
Tech College
Racine Campus
EXIT 333
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 9 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 54	E

N

11	3/4
KR	2 1/4
E	4 1/4

ESTR

785 790 795

INL W INL INL INL SIGN INL W

94 & U.S.H. 40

SIGN INL SIGN

GAS EXIT 333
DIESEL - HOSPITAL
ESTR

20	1/2
K	4 1/4
G	6 1/2

ESTR

FOOD EXIT 333
TOURIST INFO CTR
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 10 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 55	E

2

N

Union Grove
Sturtevant
EXIT 335

ESTR

EXIT 335
11
Racine
Mount Pleasant
1 MILE

REMOVE

EXIT 335
11
Racine
Mount Pleasant
1 MILE
22
22a

INSTALL TYPE I SIGNS AND STEEL SUPPORTS,
REMOVE EXISTING TYPE I SIGN AND SUPPORTS,
PLACE NEW STEEL POSTS 20' SOUTH OF EXISTING
15 FOOT OFFSET - STRADDLE FENCE

PC 800+[illegible]

PT 809+20

SIGN

INL

I 94 &

U.S.H. 41

800

805

810

SIGN

INL

INL

INL

2

N

EXIT
50
M.P.H.
W13-2(5)
ESTR

815 820 825

818+69.00
818+83.00

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

EXIT 333
20
23
23a
Racine
Mount Pleasant

INSTALL TYPE I SIGNS AND STEEL SUPPORTS
PLACE NEW STEEL POSTS 20' SOUTH OF EXISTING
15 FOOT OFFSET - STRADDLE FENCE
REMOVE EXISTING TYPE I SIGN AND SUPPORTS

EXIT 333
20
Racine
Mount Pleasant

REMOVE

SHEET 12 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 57	E

2

N

(26) EAST MB3-4 SOUTH M3-1
INTERSTATE 94 INTERSTATE 41
M1-1 M1-1
J4-2(5)
PLACE ACROSS FROM
MILE MARKER 333/9

PI 839+97.

830 835 840

PC 835+53.83

(25) SPEED LIMIT 65
R2-1(5)
PLACE ACROSS FROM
MILE MARKER 333/8

(24) EXIT 333
E5-1A(5)

EXIT 333
REMOVE

LEGEND

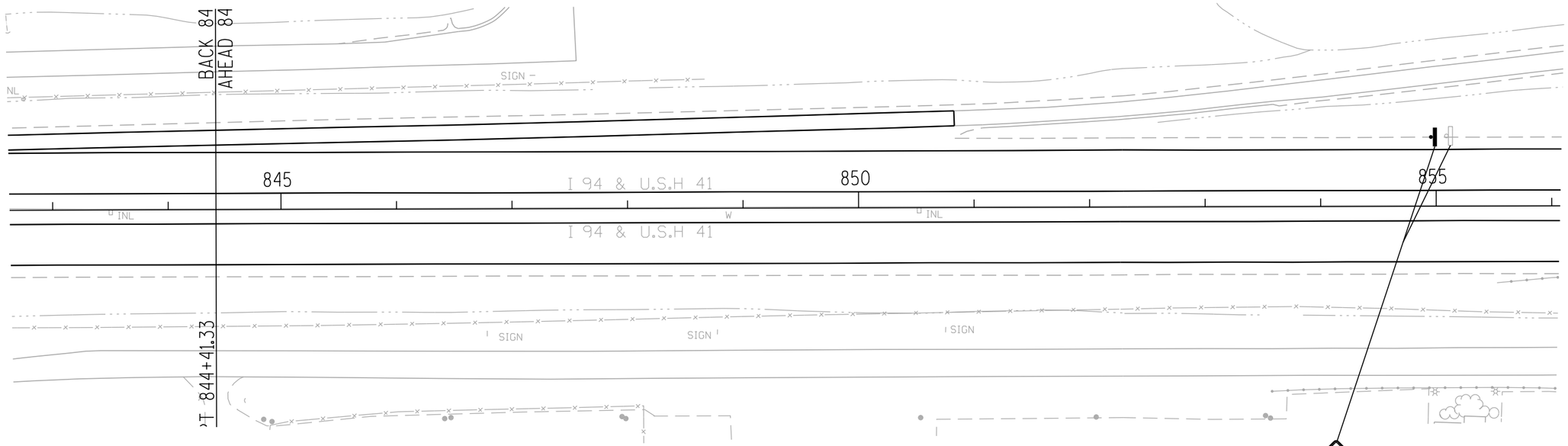
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 13 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 58	E

2

N



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 14 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 59	E

2

N

SIGN
INL
MH
860
I 94 & U.S.H 41
865
PI 867+99.99
W
PC 863+31.33
S.T.H. 20
IGN

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

2

N

EXIT 333
REMOVE

EXIT 333 (29)
E5-1A(5)

SIGN

SIGN

INL

INL

1

SIGN

870

875

880

I 94 & U.S.H.41

INL

INL

I 94 & U.S.H.41

INL

PT 872+68.66

28
W4-1(5)

REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 16 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 61	E

2

N

EXIT 333
20
Racine
Mount Pleasant
REMOVE

EXIT 333
20
Racine
Mount Pleasant
30
30a
INSTALL TYPE I SIGNS AND STEEL SUPPORTS
REMOVE EXISTING TYPE I SIGN AND SUPPORTS

Hwy C
REMOVE
Hwy C
32
M1-94
INSTALL TYPE II SIGN
AND WOOD SUPPORTS

GAS EXIT 333
DIESEL - HOSPITAL
ESTR

PC 885+44.34
PT 894+55.73
PI 890+00.04
885
890
895
I 94 & U.S.H. 41
C.T.H. "C"
INL
SIGN

EXIT
50
M.P.H.
W13-2(5)
31
REMOVE

Hwy C
33
M1-94
INSTALL TYPE II SIGN
AND WOOD SUPPORTS
Hwy C
REMOVE

34
WEST
NORTH
MB3-4
M3-1
INTERSTATE 94
INTERSTATE 41
M1-1
M1-1
J4-2(5)
REPLACE AT
SAME LOCATION
WEST
NORTH
94
41
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 17 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 62 E

2

N

PARK & RIDE
EXIT 333
REMOVE

PARK & RIDE
EXIT 333
35
TYPE I SIGN
REUSE STEEL POSTS

FOOD EXIT 333
TOURIST INFO CTR
ESTR

PI 912+0(

INL
INL
SIGN
SIGN

900
905
910

I 94 & U.S.H. 41
I 94 & U.S.H. 41

INL
INL
INL
INL
INL
W
W
W

906+79.27

SPEED
LIMIT
65
R2-1
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 18 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 63	E

2

N

Sheriffs
Substation

CRASH
INVESTIGATION
SITE
EXIT 333

ESTR

50th. Rd.

BACK 91
AHEAD 91

INL

915

920

925

I 94 & U.S.H. 41

I 917+20.94

Milwaukee 21
D2-1
INSTALL TYPE II SIGN
AND WOOD SUPPORTS

36

Milwaukee 21
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 19 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 64	E

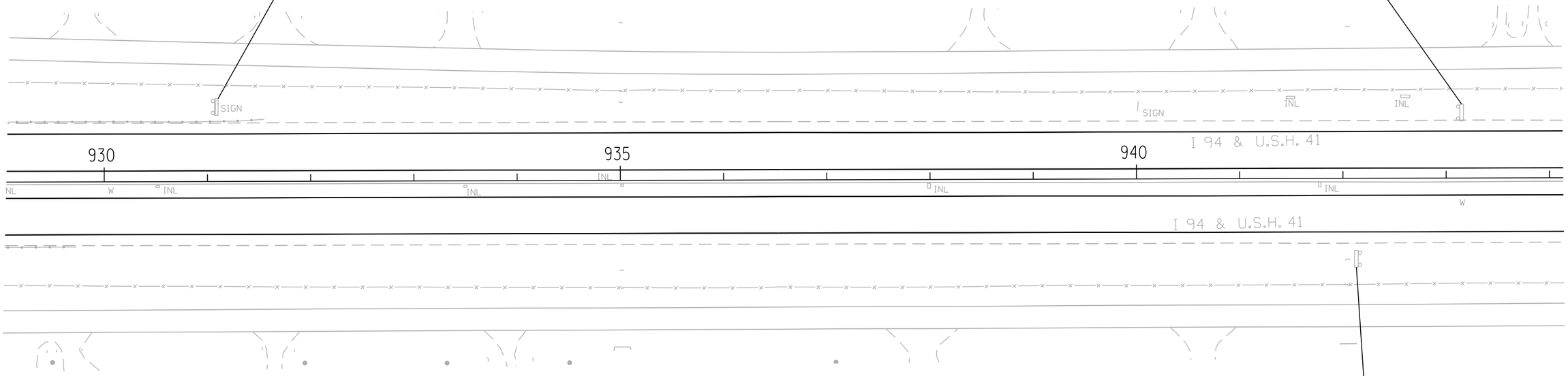
2

N

Amtrack Station
EXIT 333
REMOVE

GATEWAY
TECH COLLEGE
RACINE CAMPUS
EXIT 333
ESTR

Amtrack Station
EXIT 333
(37)
TYPE I SIGN
REPLACE SIGN AND REUSE STEEL POSTS
ACROSS FROM MILE MARKER 331/8



RIDESHARE
INFO CALL
1-800-455-POOL
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 20 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 65	E

2

N

LODGING EXIT 333

ESTR

20	1 1/4
11	3 3/4
KR	5 1/4

ESTR

TOURIST INFO
EXIT 333

REMOVE

TOURIST INFO
EXIT 333

39

TYPE I
REPLACE SIGN AND
REUSE STEEL POSTS
BY MILE MARKER 331/4

SIGN

945

950

955

INL

INL

SIGN

W

INL

INL

INL

INL

INL

INL

INL

K	1 1/4
G	3 1/2
Seven Mile Rd	5

ESTR

EXIT 333

20

Racine
Mount Pleasant
1 1/2 MILE

38

38a

TYPE I
REPLACE SIGN USE NEW STEEL POSTS
PLACE 20' SOUTH OF EXISTING SIGN,
BY MILE MARKER 331/3
REMOVE EXISTING STEEL POSTS

EXIT 333

20

Racine
Mount Pleasant
1 1/2 MILE

REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 21 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 66	E

2

N

PC 964+84.4

I 94 & U.S.H. 41

960

965

970

INL

W

SIGN

P1970+00.00

EXIT 329

K

Racine

1 MILE

ESTR

LEGEND

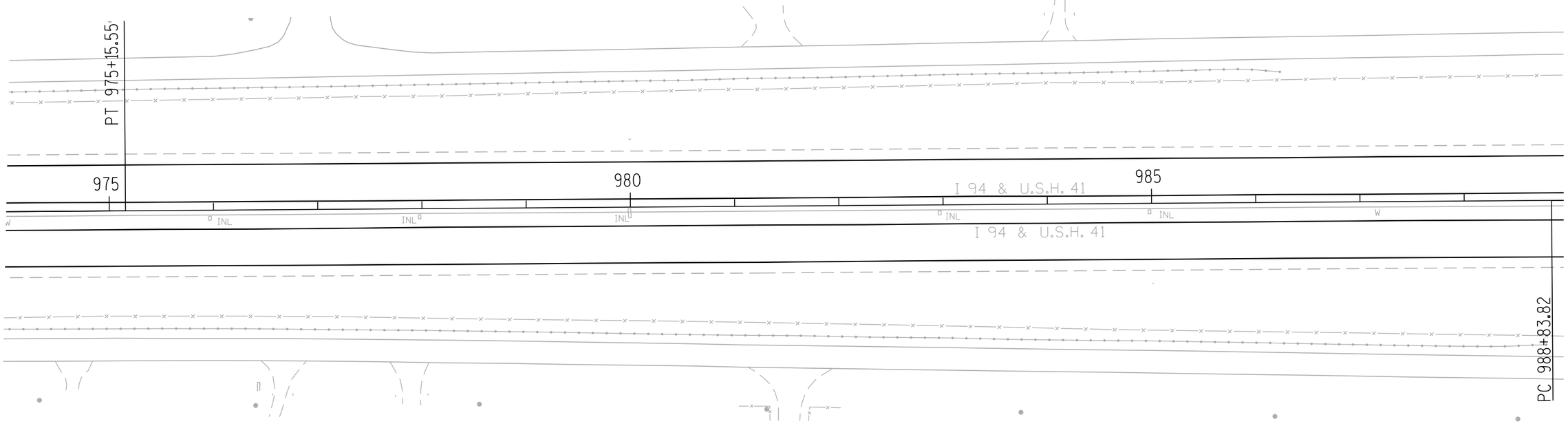
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 22 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 67	E

2

N



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 23 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 68	E

2

N

Golf Rd
REMOVE

41 Golf Rd
M1-94
INSTALL TYPE II SIGN
AND WOOD SUPPORTS

PI 993+00.53

990

995

1000

INL

INL

INL

INL

W

INL

INL

PT 997+17.15

40 Golf Rd
M1-94
INSTALL TYPE II SIGN
AND WOOD SUPPORTS

Golf Rd
REMOVE

GOLF RD.

LEGEND

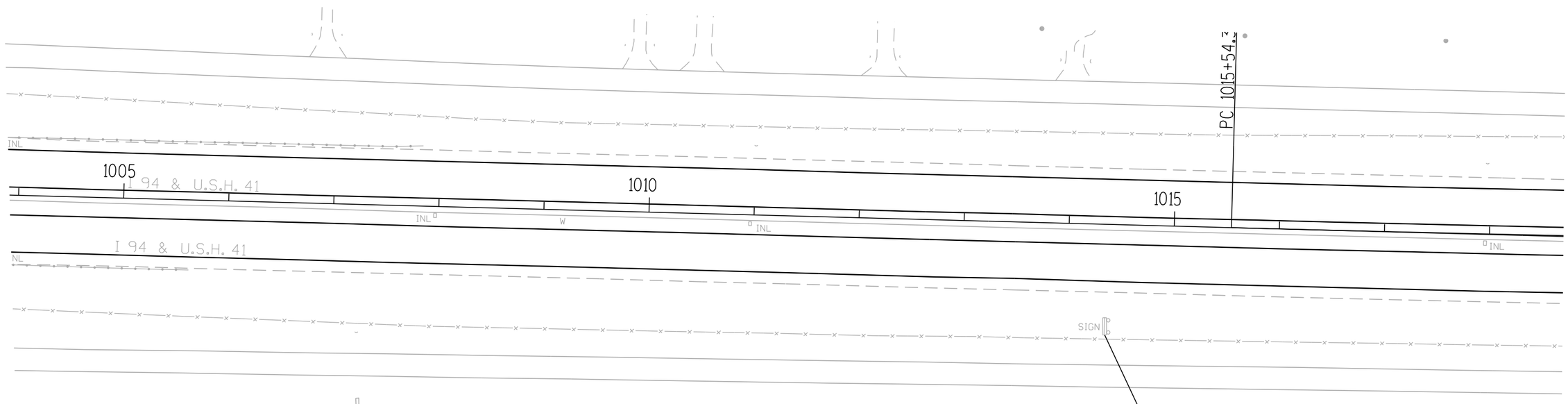
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 24 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 69	E

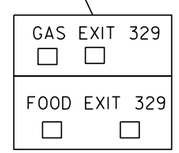
2

N



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



ESTR

SHEET 25 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 70	E

2

N

EXIT 50 M.P.H.
REMOVE

EXIT 50 M.P.H. (43)
W13-2(5)
INSTALL TYPE II SIGN
AND WOOD SUPPORT
REMOVE EXISTING TYPE II
SIGN AND SUPPORT

SPEED LIMIT 65
REMOVE

SPEED LIMIT 65 (42)
R2-1(5)

WEST INTERSTATE 94 NORTH 41
REMOVE

(44)
WEST MB3-4 INTERSTATE 94 M1-1
NORTH M3-1 INTERSTATE 41 M1-1
J4-2(5)

PT 1024+

1020

1025

1030

I 94 & U.S.H. 41

I 94 & U.S.H. 41

INL

W

SIGN

20+00.08

EXIT 329
K
Racine
ESTR

EXIT 329 (45)
INSTALL TYPE II SIGN
AND WOOD SUPPORTS
REMOVE EXISTING TYPE II
SIGN AND SUPPORTS

EXIT 329
REMOVE

LEGEND

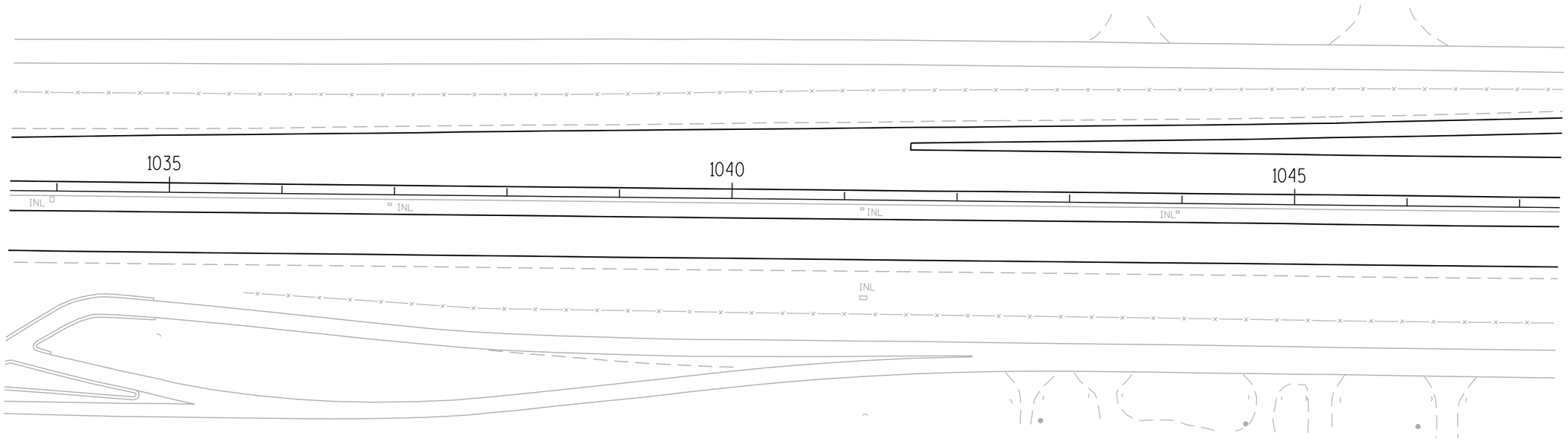
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 26 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 71	E

2

N



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 27 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 72	E

2

N

REMOVE

1050

1055

1060

I 94 & U.S.H. 41

I 94 & U.S.H. 41

INL

W

INL

INL

INL

MH

MH

1060+16.73

C.T.H. "K"

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

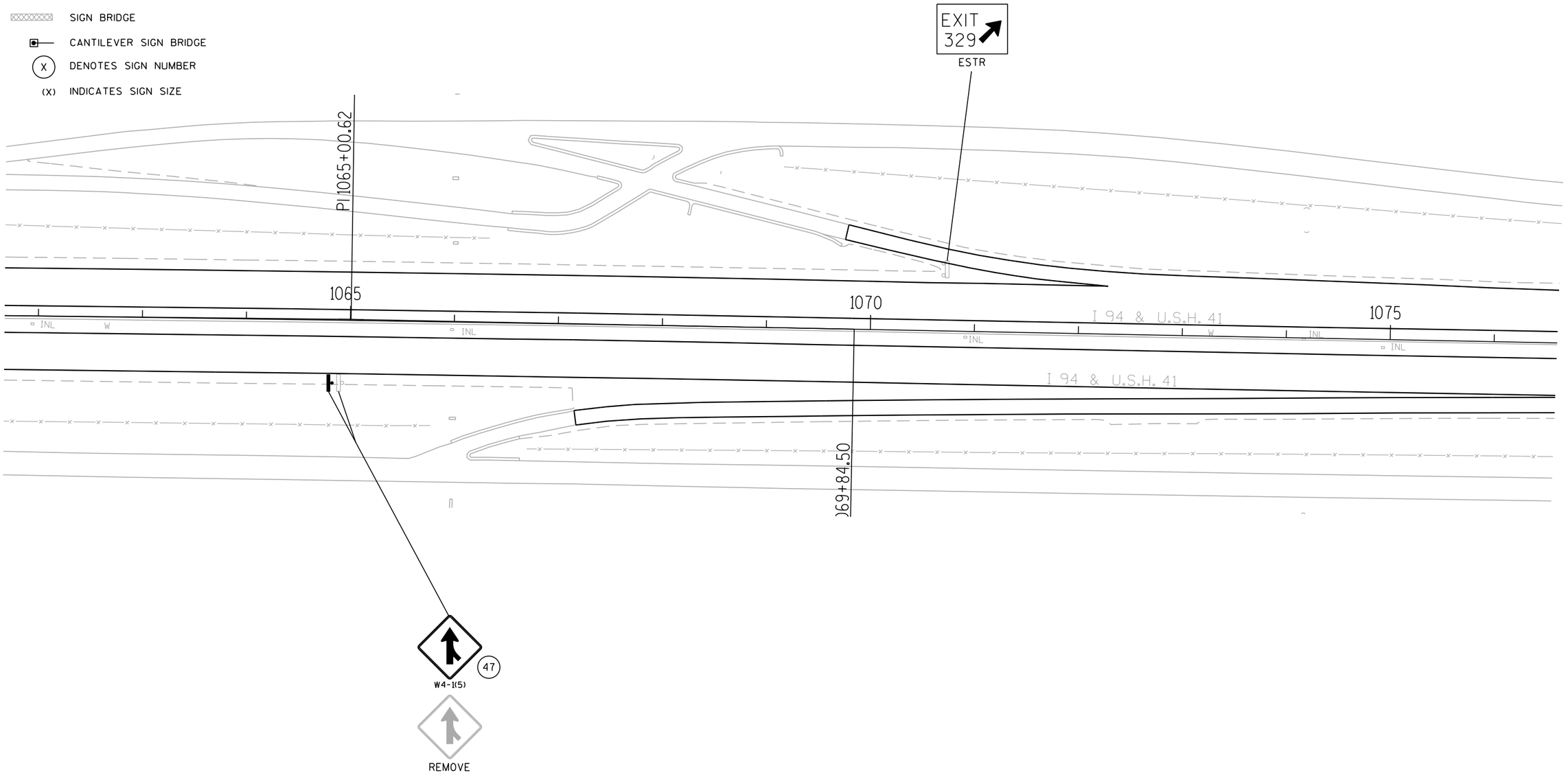
SHEET 28 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 73	E

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

N



SHEET 29 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 74	E

FILE NAME : J:\projects\d2_10303394\sign\PLNSHT29.DGN PLOT DATE : 17-JAN-2014 12:42 PLOT BY : MSCCXV PLOT NAME : PLOT SCALE : 99.9998:1

WISDOT/CADDS SHEET 42

2

N

EXIT 329
K
Racine
ESTR

GAS EXIT 329
FOOD EXIT 329
ESTR

SIGN

1080 1085 1090

INL

SIGN

EXIT
50
M.P.H.
ESTR

EXIT 327
G
Caledonia
1 MILE
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 30 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 75	E

2

N

Racine
NEXT 3 EXITS
ESTR

SIGN

I 94 & USH 41

1095

1100

1105

INL

INL

INL

INL

W

I 94 & USH 41

INL

MH

SPEED LIMIT 65
ESTR

CRASH INVESTIGATION SITE
EXIT 327
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 31 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 76	E

2

N

Chicago 69

REMOVE

Chicago 69 (49)

INSTALL TYPE II SIGN
AND WOOD SUPPORTS
REMOVE EXISTING TYPE II
SIGN AND SUPPORTS

EXIT 329
K
Racine
3/4 MILE

ESTR

K 1/2
20 4 1/4
11 6 3/4

ESTR

WEIGH
STATION

ESTR

1110 1115 1120

INL INL W

I 94 & U.S.H. 41

I 94 & U.S.H. 41

1

(48) STATE PATROL
WEIGH STATION
NO 22

REMOVE

G 1/2
Seven Mile Rd 2
241 27 th St 3

ESTR

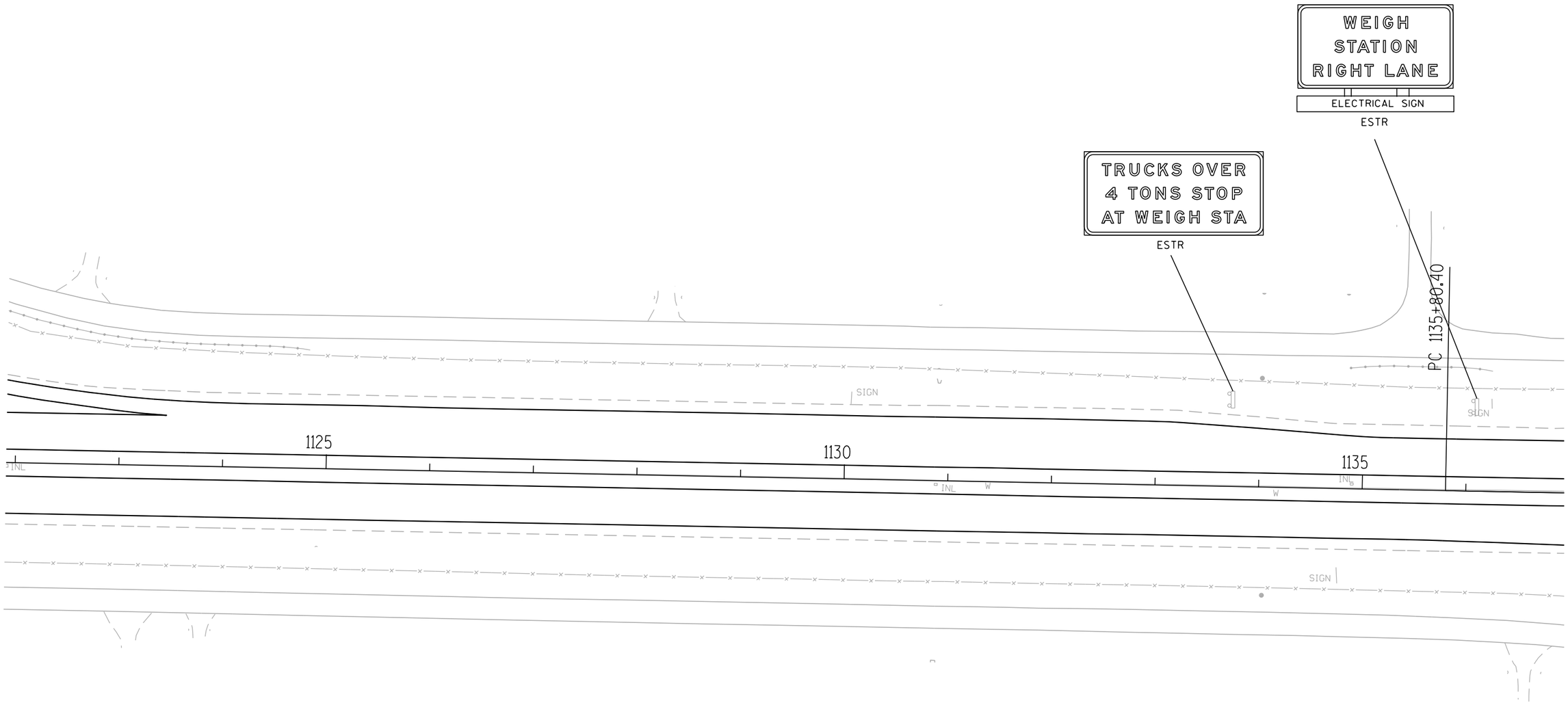
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 32 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 77	E

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 33 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 78	E

2

N

PT 1144+

1140

1145

1150

I 94 & U.S.H. 41

INL

W

I 94 & U.S.H. 41

11140+00.67

EXIT
327

ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 34 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 79	E

2

N

WEIGH STATION 1 MILE

ELECTRICAL SIGN

ESTR

C.T.H. "G"

PI 1162+01.09

1155

1160

1165

I 94 & U.S.H. 41

I 94 & U.S.H. 41

INL

W

PC 1157+16.15

PT 1166+85.91

SIGN

C.T.H. "G"

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 35 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 80	E

2

N

EXIT
327
ESTR

1170

1175

1180

I 94 & U.S.H. 41

I 94 & U.S.H. 41

EXIT 326
Seven Mile Rd
1 MILE
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 36 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 81	E

2

N

1185
INL

1190

1195
W
INL

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

VMS

VARIABLE MESSAGE SIGN

ESTR

SHEET 37 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 82	E

2

N

CRASH
INVESTIGATION
SITE
EXIT 327

ESTR

RIDESHARE
INFO CALL
1-800-455-POOL

ESTR

G	1/2
K	2 1/2
20	6

ESTR

I 94 & U.S.H. 41

I 94 & U.S.H. 41

1200

1205

1210

FOOD EXIT 326

CAMPING EXIT 326

ESTR

Seven Mile Rd	1/4
241 27 th St	1 1/4
Ryan Rd	3 1/2

ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 38 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 83	E

2

N

WISCONSIN
VETERENS MEMORIAL
HIGHWAY
ESTR

EXIT
50
M.P.H.
ESTR

1215

1220

I 94 & U.S.H. 41

1225

I 94 & U.S.H. 41

MH

EXIT 326
Seven Mile Rd
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 39 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 84	E

2

N

RACINE AREA
TRAVEL INFO
TUNE TO
1700 AM
ESTR

REMOVE

W4-1(5)

51

1230

1235

1240

EXIT
326

50

INSTALL TYPE II SIGN
AND WOOD SUPPORTS
REMOVE EXISTING
SIGN AND SUPPORTS

EXIT
326

REMOVE

EXIT 325

241 NORTH

27 th Street

3/4 MILE

ESTR

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING SINGLE POLE SIGN SUPPORT

SIGN BRIDGE

CANTILEVER SIGN BRIDGE

(X) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

SHEET 40 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 85	E

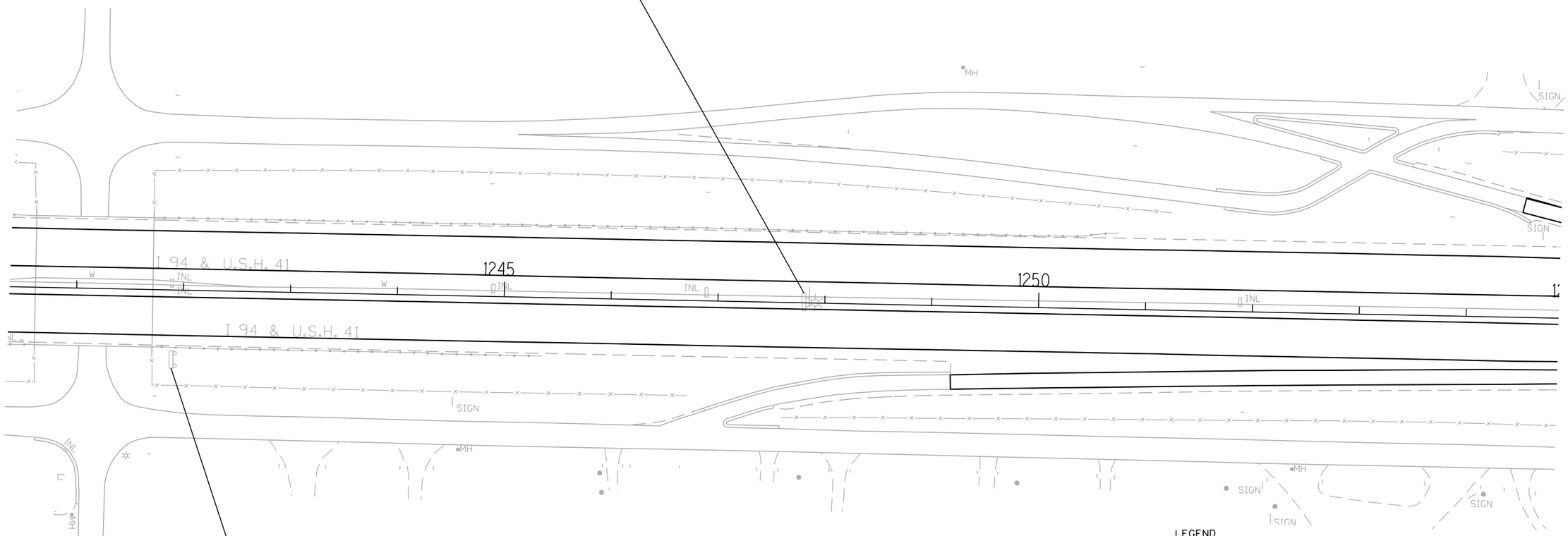
FILE NAME : J:\projects\d2_10303394\sign\PLNSHT40.DGN PLOT DATE : 17-JAN-2014 12:43 PLOT BY : MSCCXV PLOT NAME : PLOT SCALE : 99.9998:1

2

N

241 27th St 1/2
Ryan Rd 2 3/4
Rawson Ave 5 3/4

ESTR



OAK CREEK
FRANKLIN
NEXT 4 EXITS

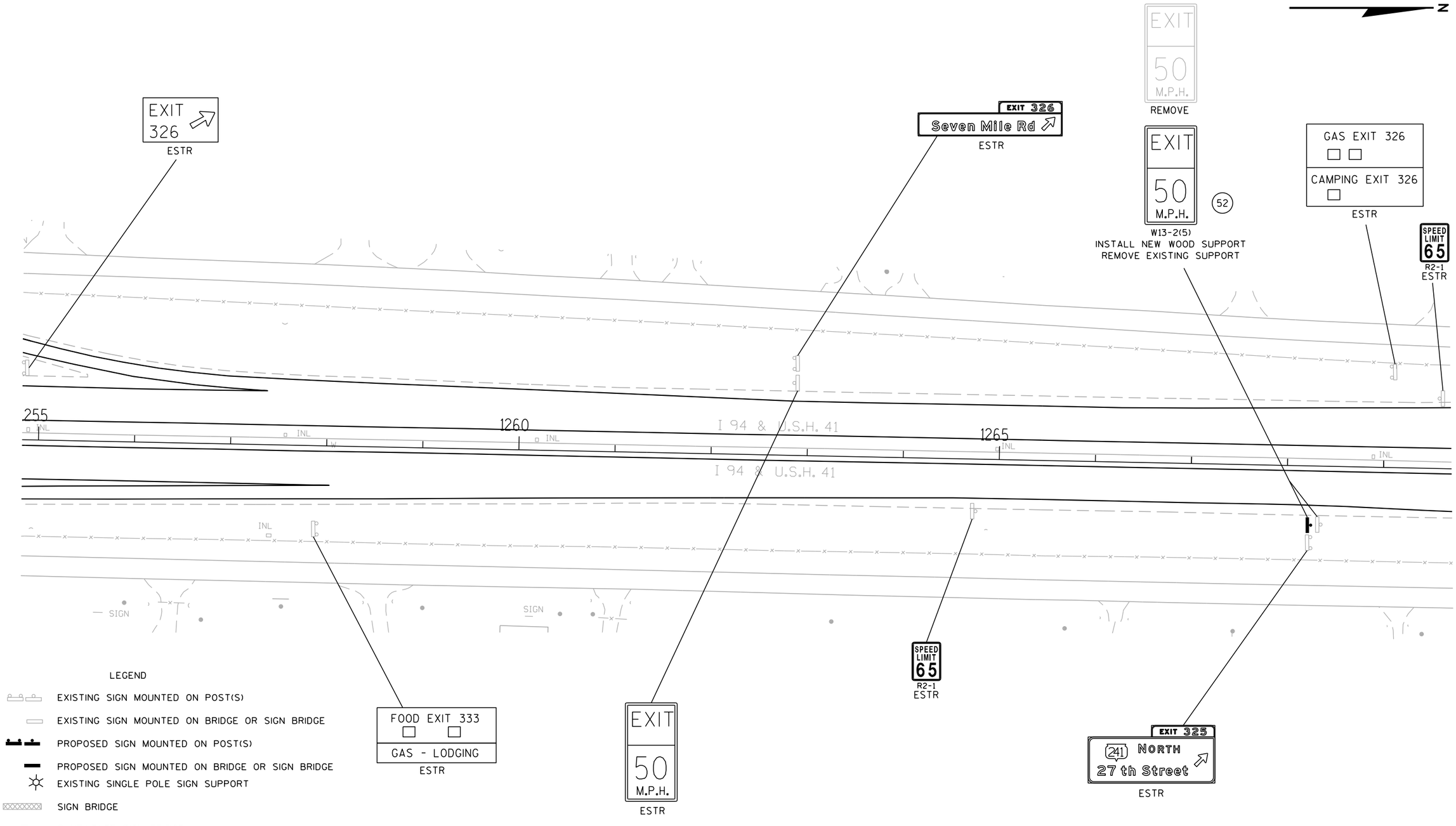
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 41 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 86	E



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 42 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 87	E

2

N

Seven Mile Rd 1/4
G 1 3/4
K 3 3/4
ESTR

STA. 1271+00
STA. 109+25.

PC 110+8

110

1270

110

115

115

120

120

PI 117+03.97

INL
INL
SIGN
INL
INL
INL
INL

STA. 1271+00 NB =
STA. 108+53.25 NB

109+85.93

EXIT
325
ESTR

53
W4-1(5)

REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 43 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 88	E

2

N

1124+20.59

125

125

130

130

INL

INL

INL

SIGN

SIGN

GAS EXIT 322

LODGING

ESTR

54

REMOVE

Racine Co

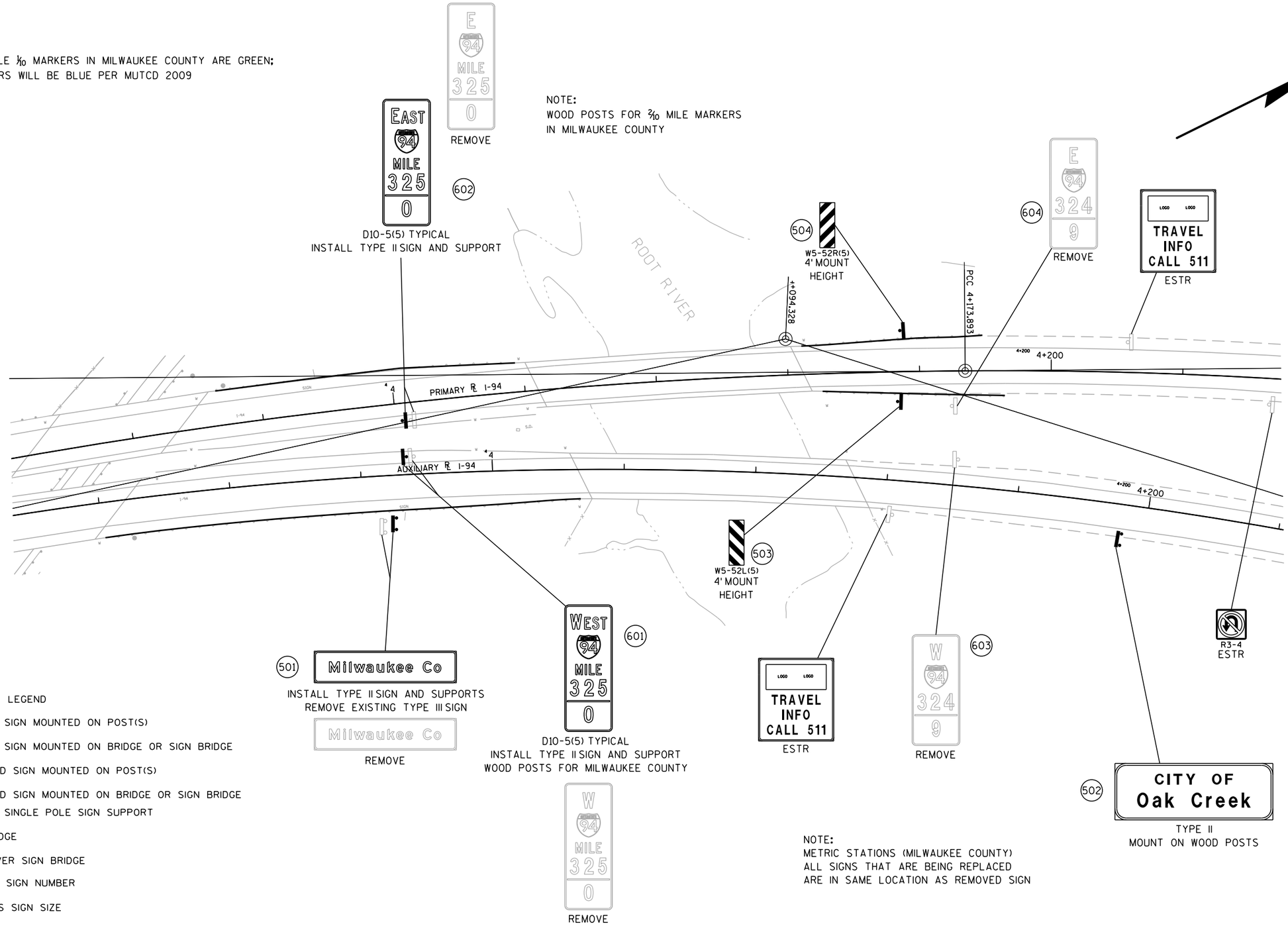
Racine Co

INSTALL TYPE II SIGN
AND WOOD SUPPORTS
REMOVE EXISTING TYPE II
SIGN AND SUPPORTS

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

NOTE:
EXISTING MILE 1/10 MARKERS IN MILWAUKEE COUNTY ARE GREEN;
NEW MARKERS WILL BE BLUE PER MUTCD 2009

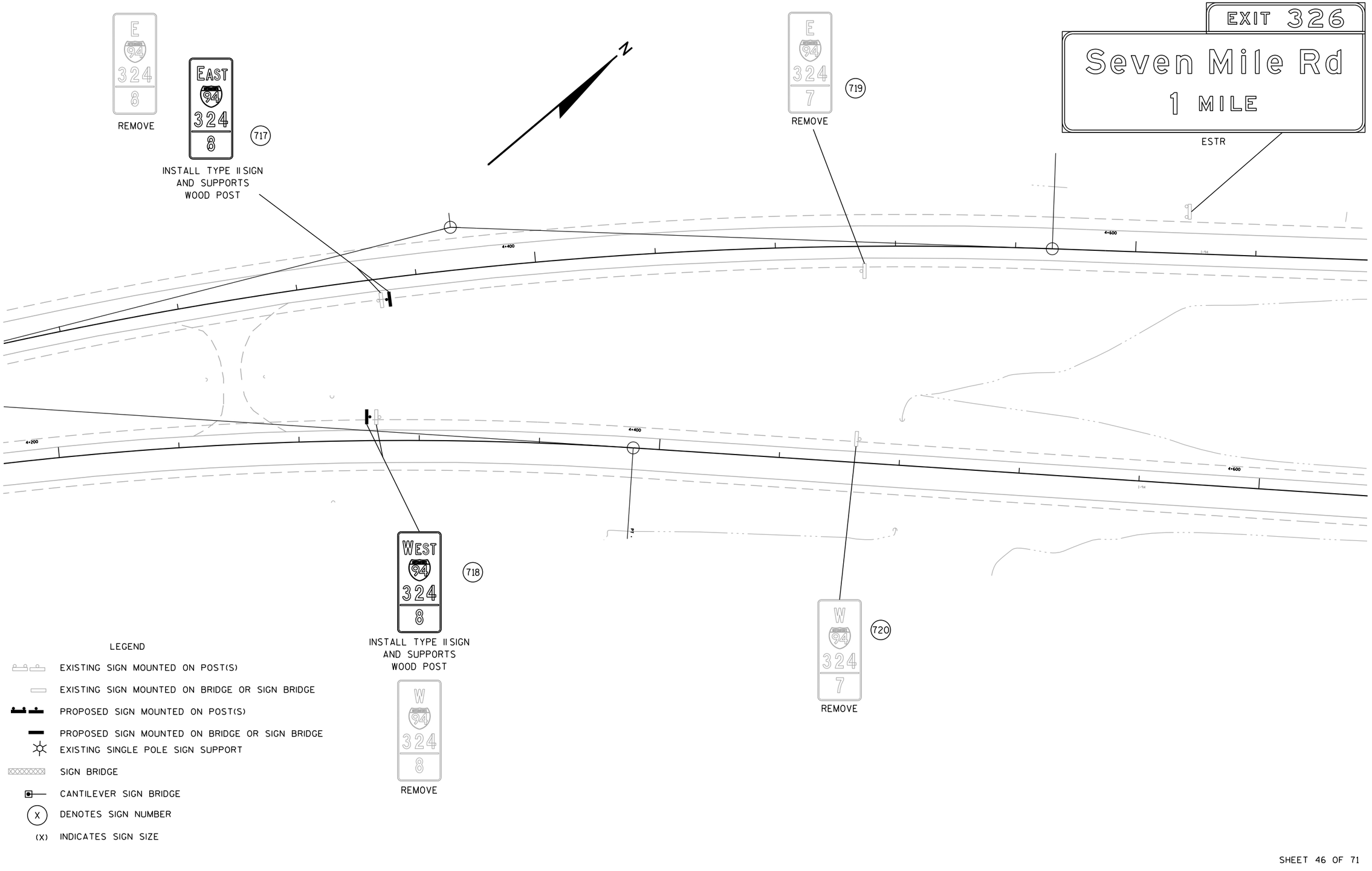


NOTE:
METRIC STATIONS (MILWAUKEE COUNTY)
ALL SIGNS THAT ARE BEING REPLACED
ARE IN SAME LOCATION AS REMOVED SIGN

SHEET 45 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 90 E

2



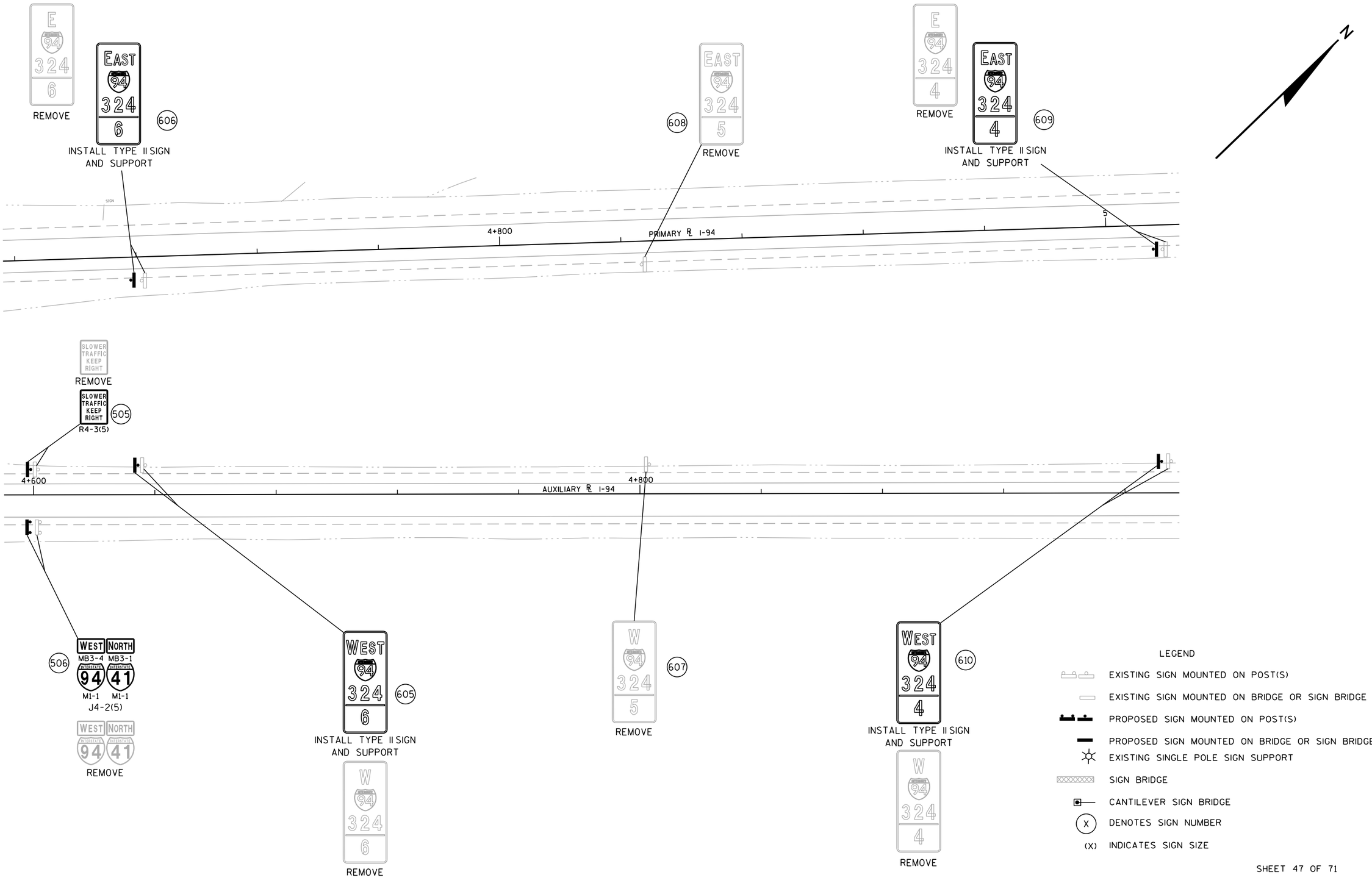
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 46 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 91	E

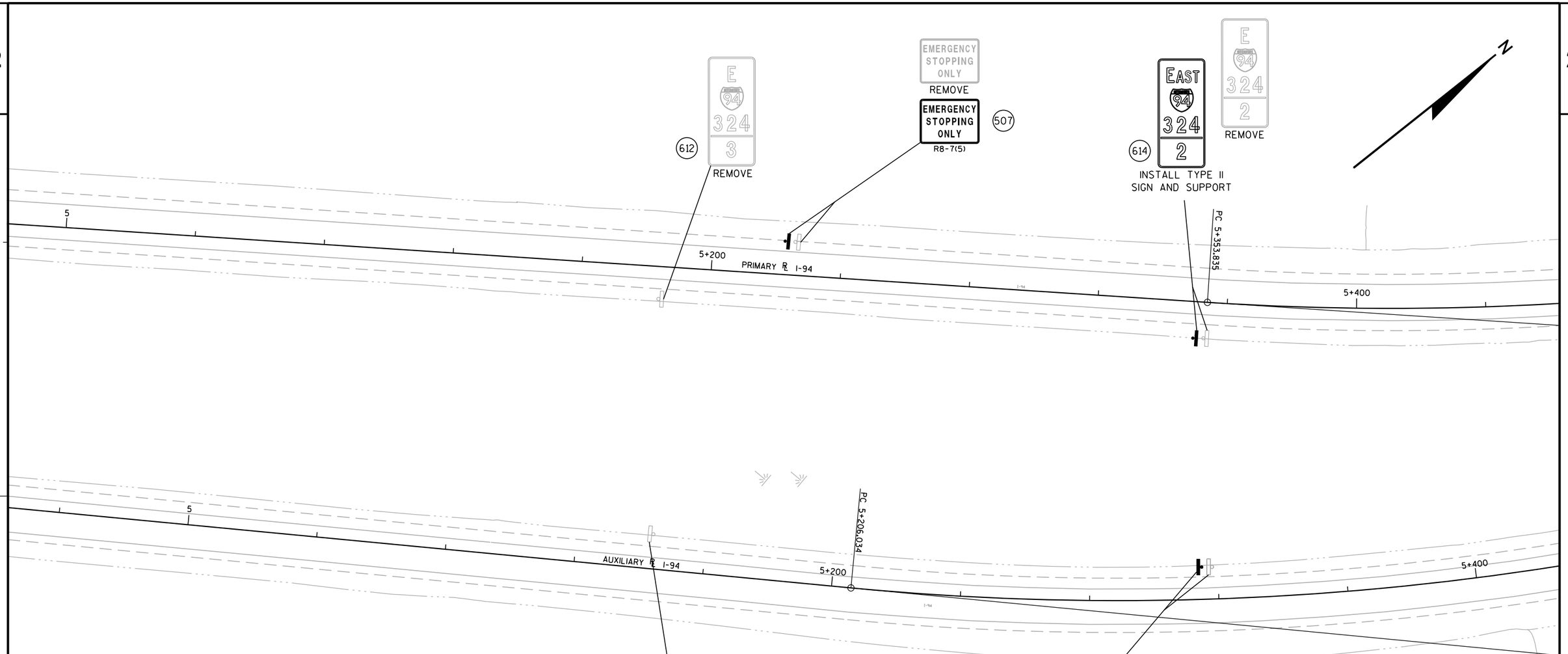
FILE NAME : J:\projects\d2_10303394\sign\PLNSHT46.DGN PLOT DATE : 17-JAN-2014 12:43 PLOT BY : MSCCXV PLOT NAME : PLOT SCALE : 99.9998:1



SHEET 47 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 92 E

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 48 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 93	E

2

2

PC 5+353.835

5+400

PRIMARY ℄ I-94

5+600

5+800

E 94 324 1

616

REMOVE

E 94 MILE 324 0

REMOVE

EAST 94 MILE 324 0

617

INSTALL TYPE I SIGN AND SUPPORT

Chicago 73

ESTR

N

5+400

AUXILIARY ℄ I-94

5+600

5+800

PI 5+690.245

EXIT 322 100 Ryan Rd 1 MILE

508

508a

INSTALL TYPE I SIGN
REMOVE TYPE I SIGN
REUSE STEEL POSTS

EXIT 322 100 Ryan Rd 1 MILE

REMOVE

W 94 324 1

615

REMOVE

WEST 94 MILE 324 0

618

INSTALL TYPE I SIGN AND SUPPORT

W 94 MILE 324 0

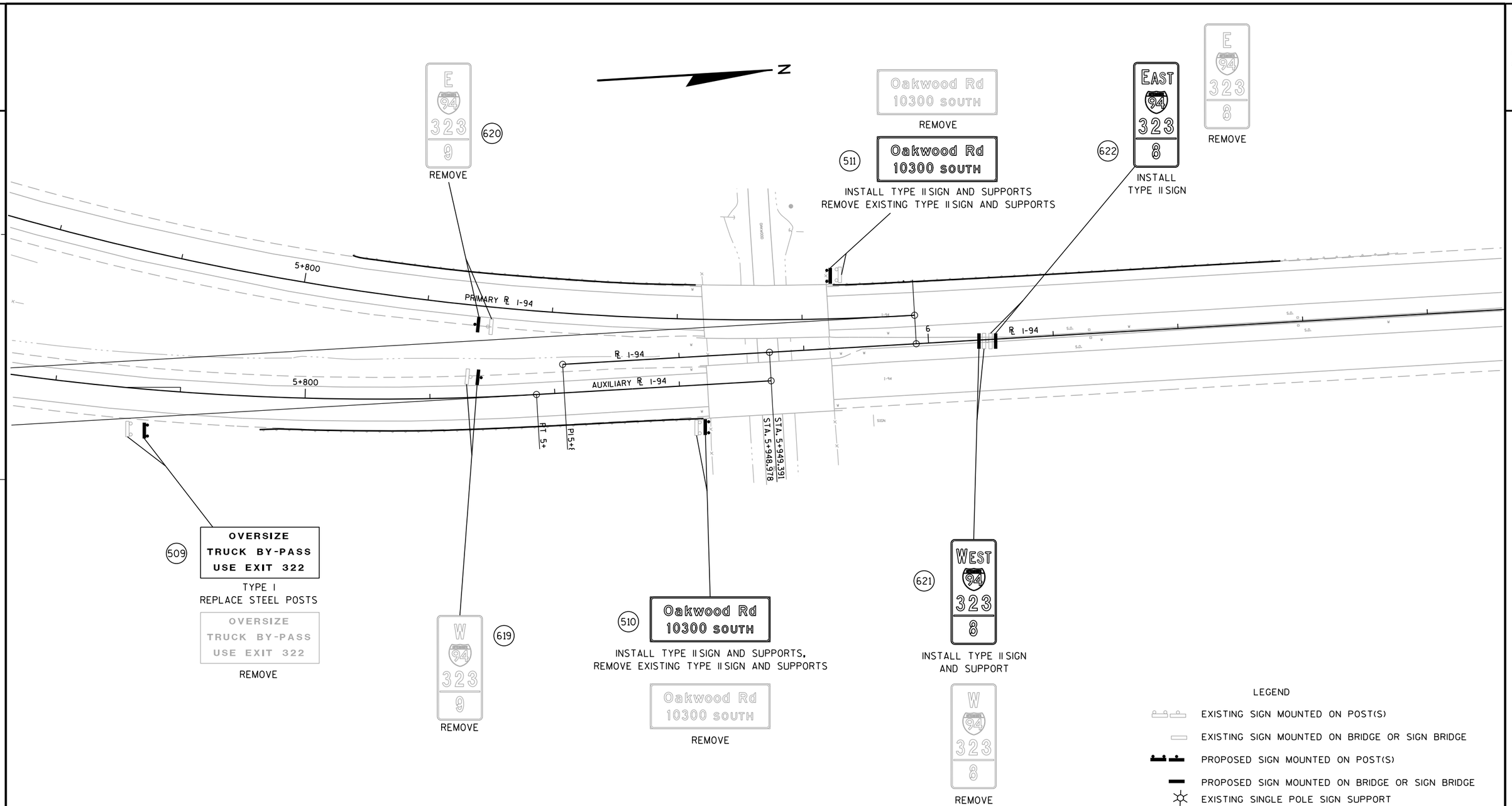
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 49 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 94 E



SHEET 50 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 95	E

2

624
E 94 323 7
REMOVE

623
W 94 323 7
REMOVE

SPEED LIMIT 65
REMOVE

SPEED LIMIT 65
R2-1(5)
512 513

6+200

S-40-247

℄ I-94

626
EAST 94 323 6
INSTALL TYPE II SIGN

E 94 323 6
REMOVE

6+400

EAST MB3-2 INTERSTATE 94 M1-1
SOUTH MB3-3 INTERSTATE 41 M1-1
J4-2(5)
514

Ryan Rd 1/2
Drexel Ave 2 1/2
Rawson Ave 3 1/2
ESTR
ON EXISTING SINGLE POLE SIGN SUPPORT
S-40-247

625
WEST 94 323 6
INSTALL TYPE II
SIGN AND SUPPORT

W 94 323 6
REMOVE

PARK & RIDE
EXIT 322
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 51 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 96	E

2

N

E 94 323 5 — (628) — REMOVE

E 94 323 4 — REMOVE

(630) EAST 94 323 4 — INSTALL TYPE II SIGN

E 94 323 3 — (632) — REMOVE

I-94

6+600

℄ I-94

6+800

I-94

W 94 323 5 — (627) — REMOVE

Hospital EXIT 322 — (515)

TYPE I
ADD NEW STEEL POSTS 800' FROM
E4-1A EXIT SIGN TO RYAN ROAD

H — D7-2 — M85-1R — (516) — REMOVE

WEST 94 323 4 — (629)

INSTALL TYPE I
SIGN AND SUPPORT

W 94 323 4 — REMOVE

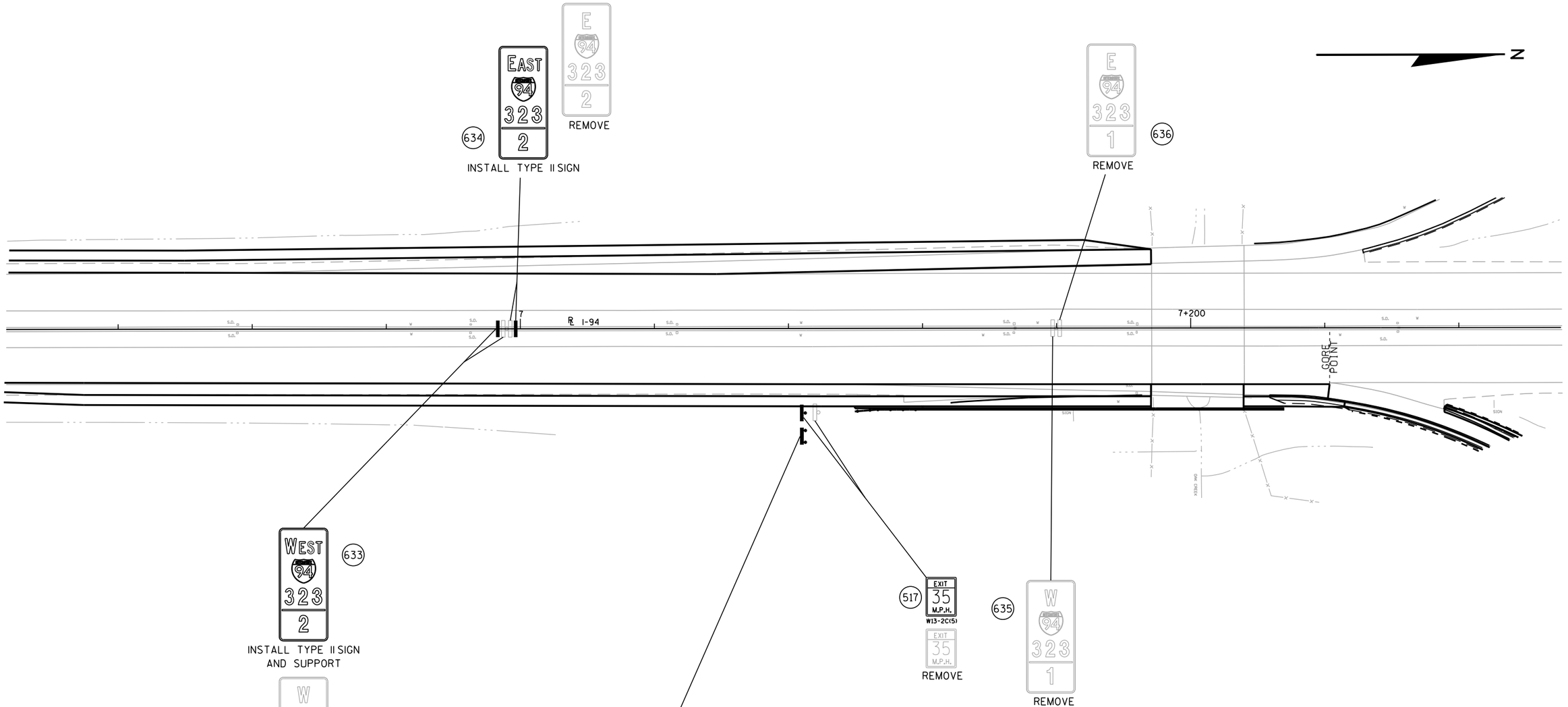
W 94 323 3 — (631) — REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 52 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 97	E

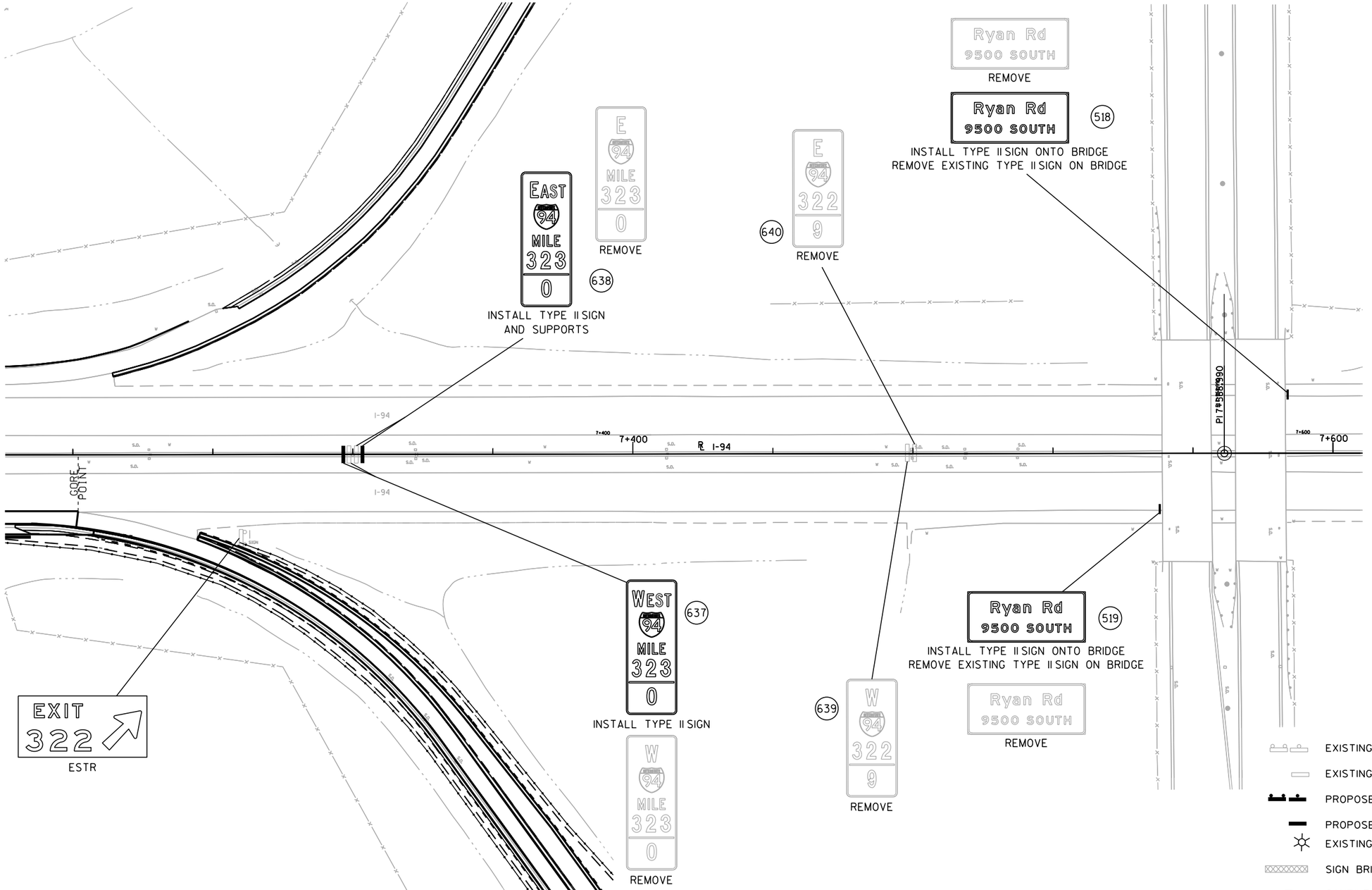


LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 53 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 98	E

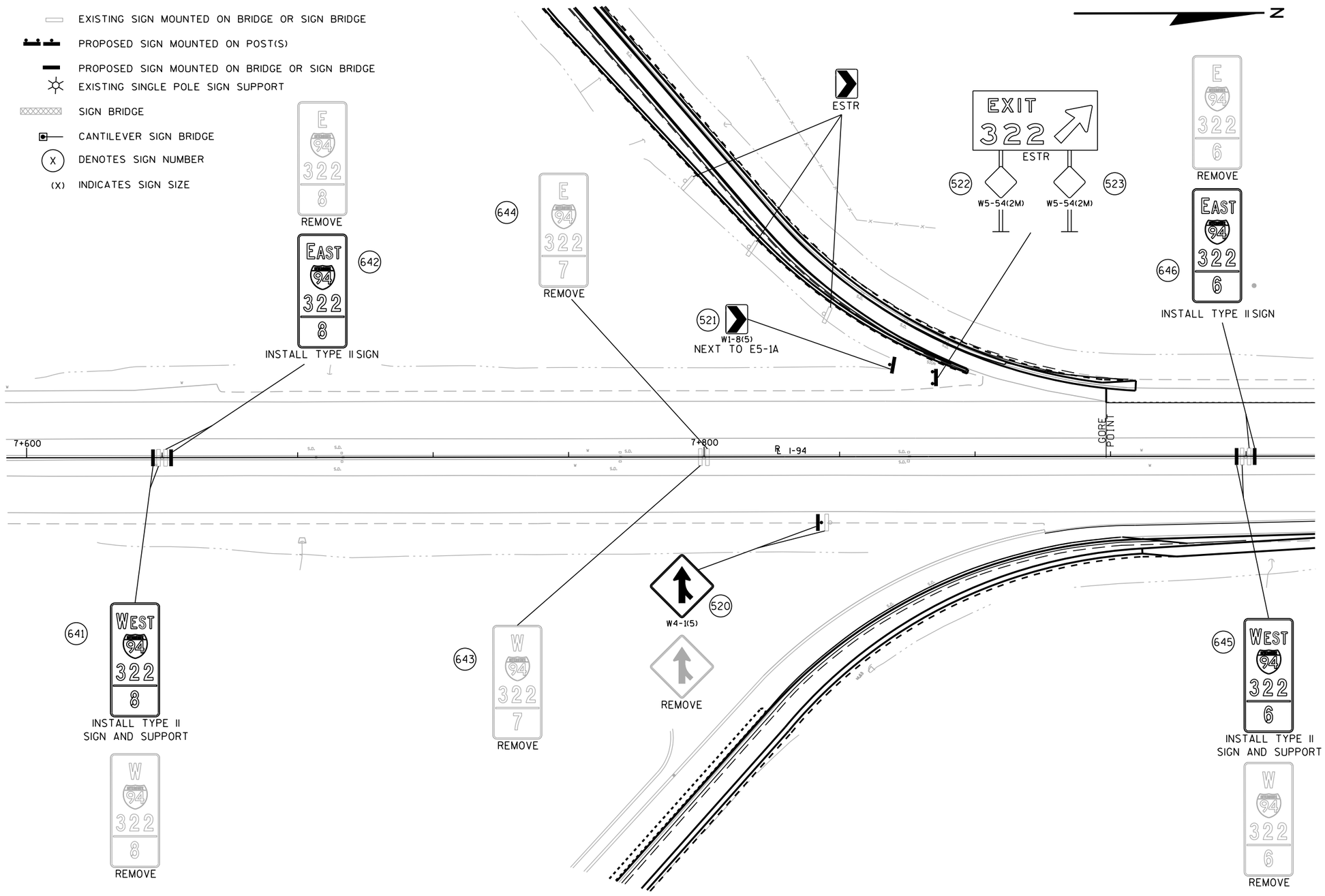


SHEET 54 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 99	E

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



SHEET 55 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 100 E

2

EXIT 322

100

Ryan Rd

ESTR

E 94 322 5

648

REMOVE

E 94 322 4

REMOVE

EAST 94 322 4

650

INSTALL TYPE II SIGN

N

I-94

8

℄ I-94

8+200

8+400

I-94

W 94 322 5

647

REMOVE

W4-2R(5)

524

WEST 94 322 4

649

INSTALL TYPE II SIGN AND SUPPORT

W 94 322 4

REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 56 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 101	E

2

N

E 94 322 3 — 652 — REMOVE

EAST 94 322 2 — 654 — INSTALL TYPE II SIGN

E 94 322 2 — REMOVE

Hospital EXIT 322 — 527

TYPE I
ADD NEW STEEL POSTS
800' AFTER GAS, ROAD, LODGING SIGN

8+400

℄ I-94

8+600

I-94

I-94

W 94 322 3 — 651 — REMOVE

525 — WEST MB3-4 94 M1-1 — NORTH MB3-1 41 M1-1 — J4-2(5)

WEST 94 322 2 — 653 — INSTALL TYPE II SIGN AND SUPPORT

W 94 322 2 — REMOVE

H D9-2 — 526

MB5-1R — REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 57 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 102	E

2

N

GAS - FOOD
DIESEL
LODGING
EXIT 322

REMOVE

GAS - FOOD
DIESEL
LODGING
EXIT 322

529

REPLACE TYPE I
REUSE STEEL POSTS

656

E 94 322 1

REMOVE

E 94 MILE 322 0

REMOVE

EAST 94 MILE 322 0

658

INSTALL TYPE II SIGN
AND SUPPORT

E 94 321 9

660

REMOVE

8+800

℄ I-94

9

655

W 94 322 1

REMOVE

SPEED LIMIT 65

528

R2-1(5)

SPEED LIMIT 65

REMOVE

WEST 94 MILE 322 0

657

INSTALL TYPE II SIGN

W 94 MILE 322 0

REMOVE

659

W 94 321 9

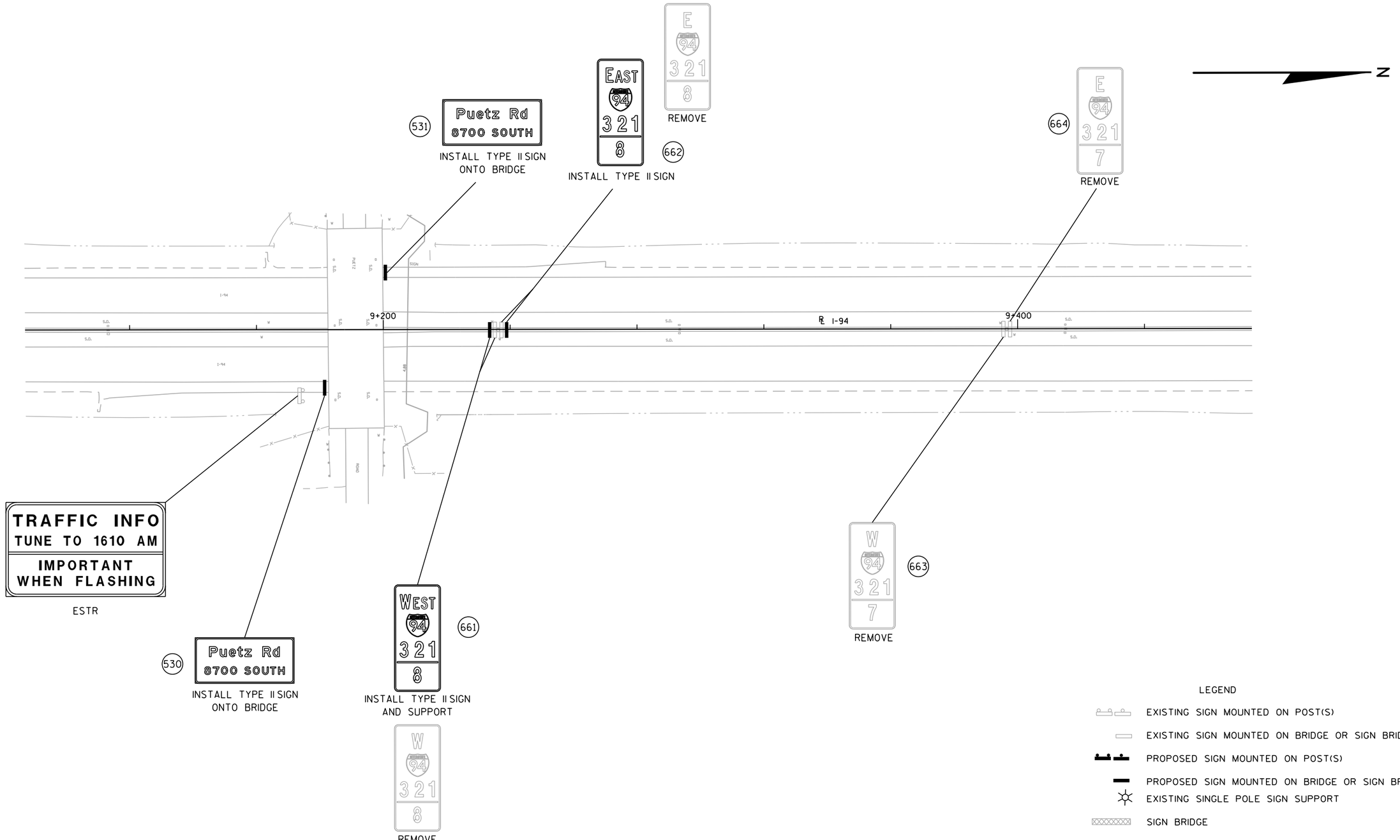
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 58 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 103	E



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 59 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 104	E

2

N

E 94 3 2 1 6
REMOVE

EAST 94 3 2 1 6
666
INSTALL TYPE II SIGN

E 94 3 2 1 5
668
REMOVE

9+600

℄ I-94

9+800

Downtown
Oak Creek
EXIT 321
TYPE I
ESTR

R3-4
ESTR

WEST 94 3 2 1 6
665
INSTALL TYPE II SIGN
AND SUPPORT

W 94 3 2 1 6
REMOVE

W 94 3 2 1 5
667
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 60 OF 71

2

N

E 94 3 2 1 4
REMOVE

EAST 94 3 2 1 4 (670)
INSTALL TYPE II SIGN

Ryan Rd	1 1/4
Seven Mile Rd	4 1/4
Hwy G	5 1/2

ESTR

E 94 3 2 1 3 (672)
REMOVE

E 94 3 2 1 2
REMOVE

EAST 94 3 2 1 2 (674)
INSTALL TYPE II SIGN

S-40-207

10

℄ I-94

10+200

WEST 94 3 2 1 4 (669)
INSTALL TYPE II SIGN AND SUPPORT

W 94 3 2 1 4
REMOVE

Drexel Ave	1/4
Rawson Ave	1 1/4
College Ave	2 1/4

ESTR

W 94 3 2 1 3 (671)
REMOVE

WEST 94 3 2 1 2 (673)
INSTALL TYPE II SIGN AND SUPPORT

W 94 3 2 1 2
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 61 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 106	E

2

N

676
E 94 321 1
REMOVE

EXIT 322
100
Ryan Rd
1½ MILES
ESTR

678
EAST 94 MILE 321 0
INSTALL TYPE II
SIGN AND SUPPORT

E 94 MILE 321 0
REMOVE

0

10+400

℄ I-94

675
W 94 321 1
REMOVE

677
WEST 94 MILE 321 0
INSTALL TYPE II SIGN

W 94 MILE 321 0
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 62 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 107	E

2

N

E 94 320 8
REMOVE

680

E 94 320 9
REMOVE

EAST 94 320 8
682
INSTALL TYPE II SIGN

10+600

℄ I-94

10+800

679

W 94 320 9
REMOVE

WEST 94 320 8
681
INSTALL TYPE II
SIGN AND SUPPORT

W 94 320 8
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 63 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 108 E

2

N

E 94 320 7
REMOVE
684

E 94 320 6
REMOVE

EAST 94 320 6
686
INSTALL TYPE II SIGN

11

℄ I-94

11+200

W 94 320 7
683
REMOVE

W4-1(5)
532
ADD AT DREXEL AVE
NORTHBOUND ON RAMP,
200' PRIOR TO GORE

WEST 94 320 6
685
INSTALL TYPE II
SIGN AND SUPPORT

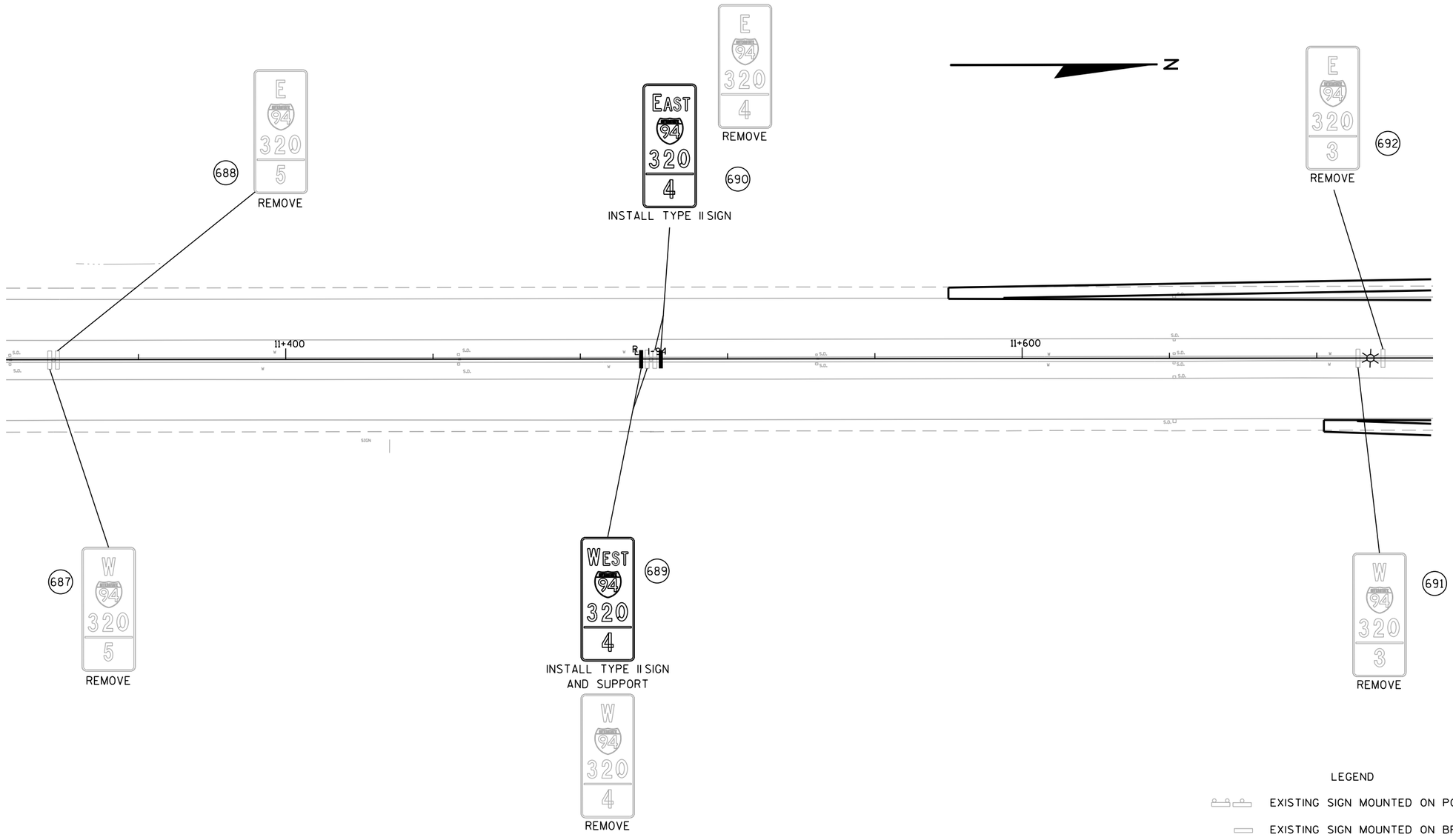
W 94 320 6
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 64 OF 71

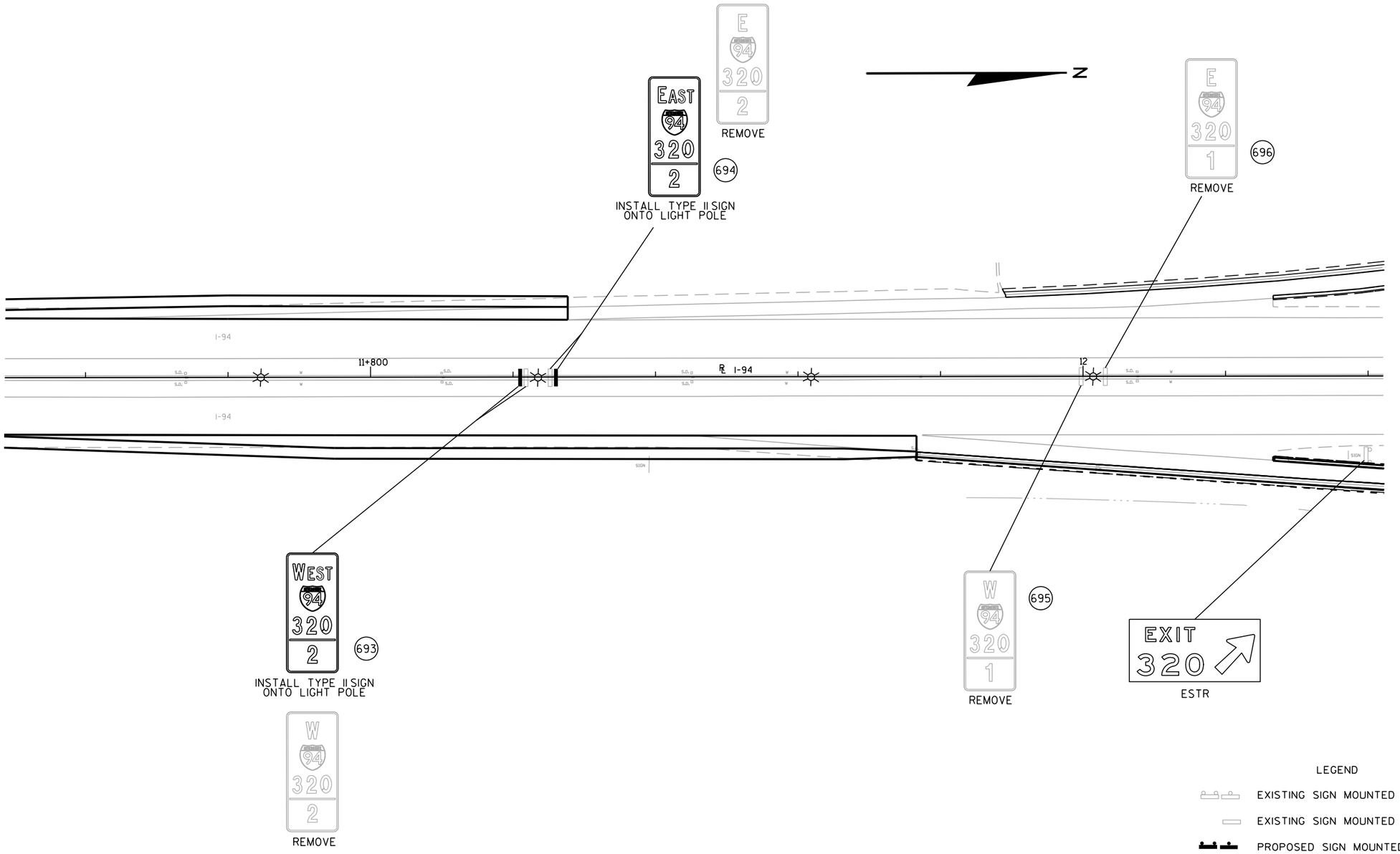
PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 109	E



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 65 OF 71



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 66 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 111	E

2

N

EAST 94 MILE 320 0

698

INSTALL TYPE II SIGN ON LIGHT POLE

E 94 MILE 320 0

REMOVE

E 94 319 9

700

REMOVE

12+200

12+400

℄ I-94

RAMSON AVENUE

PI 12+43.56

WEST 94 MILE 320 0

697

INSTALL TYPE II SIGN ONTO LIGHT POLE

W 94 MILE 320 0

REMOVE

W 94 319 9

699

REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
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SHEET 67 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 112	E

2

N

E 94 319 8
REMOVE

EAST 94 319 8 (702)
INSTALL TYPE II SIGN ON LIGHT POLE

E 94 319 7 (704)
REMOVE

E 94 319 6
REMOVE

EAST 94 319 6 (706)
INSTALL TYPE II SIGN ONTO LIGHT POLE

RANSOM AVENUE

12+600

℄ I-94

12+800

WEST 94 319 8 (701)
INSTALL TYPE II SIGN ON LIGHT POLE

W 94 319 8
REMOVE

W 94 319 7 (703)
REMOVE

℄ RAMP B

6+600

PC 6-

PT 6-

WEST 94 319 6 (705)
INSTALL TYPE II SIGN ON LIGHT POLE

W 94 319 6
REMOVE

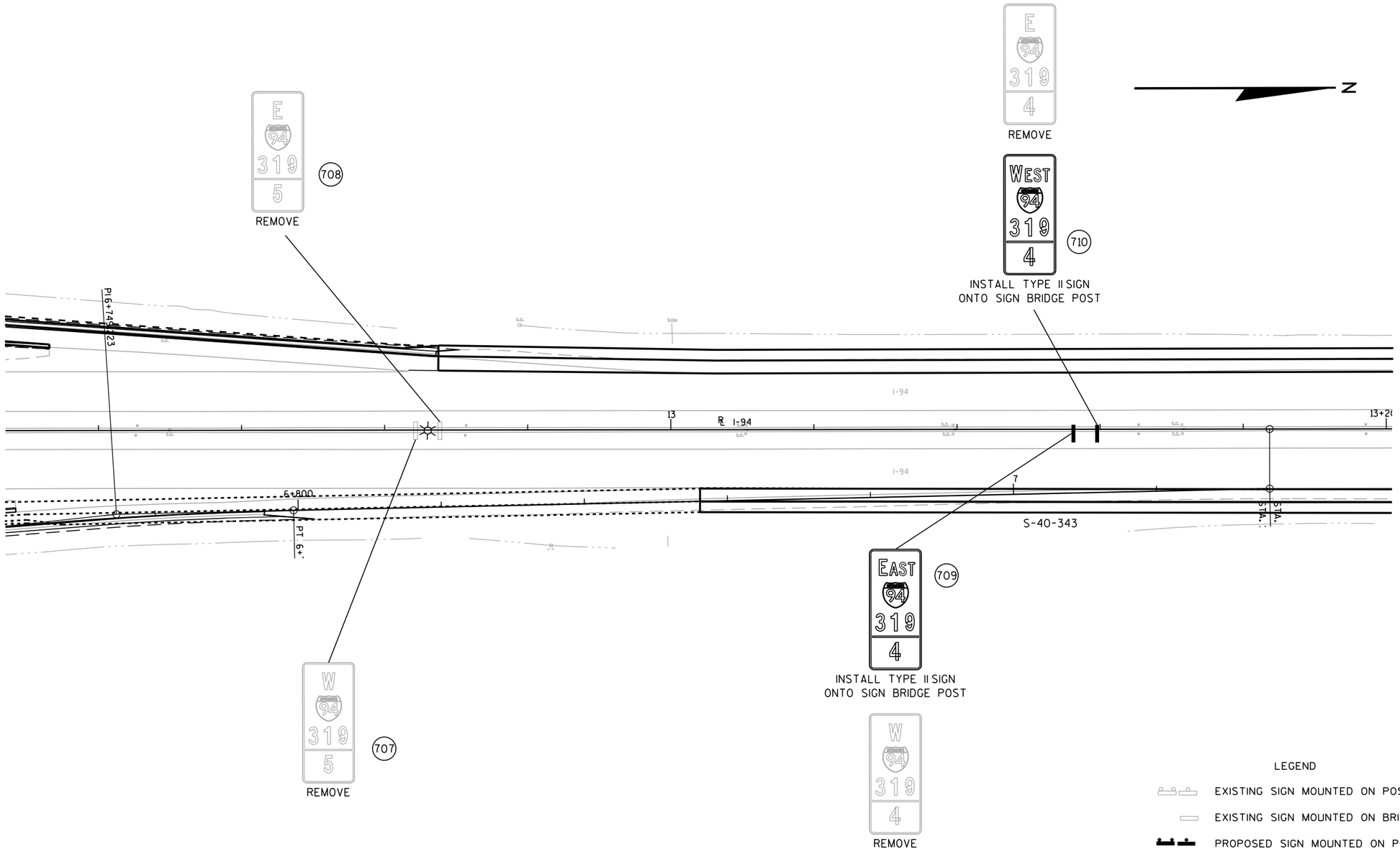
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 68 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 113	E

2

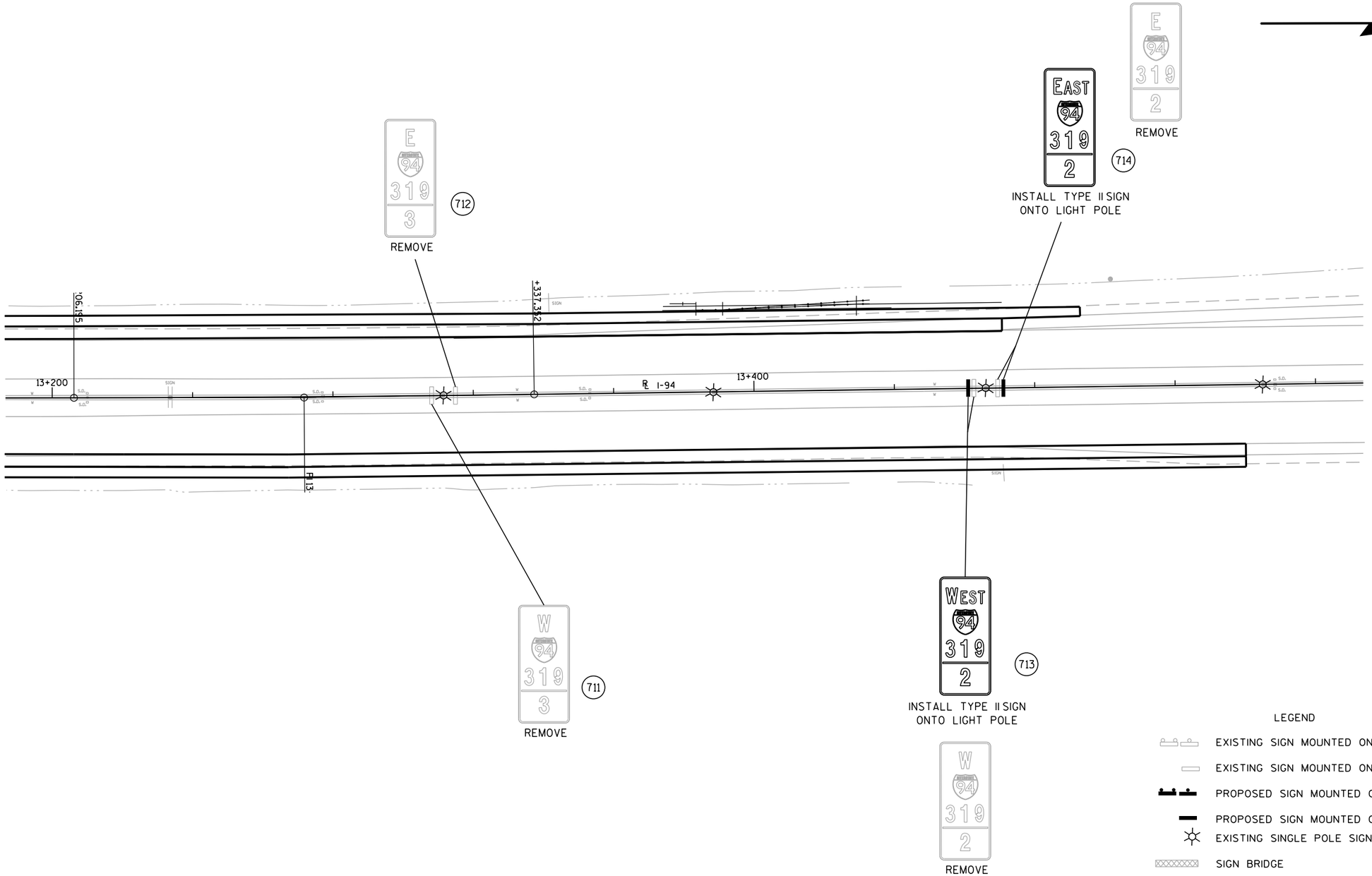


LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 69 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 114	E



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 70 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 115	E

2

N

E 94 319 1
716
REMOVE

EAST 94 MILE 319 0
ESTR

13+600

℄ I-94

13+800

W 94 319 1
715
REMOVE

EXIT 319
ESTR

WEST 94 MILE 319 0
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING SINGLE POLE SIGN SUPPORT
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X) DENOTES SIGN NUMBER
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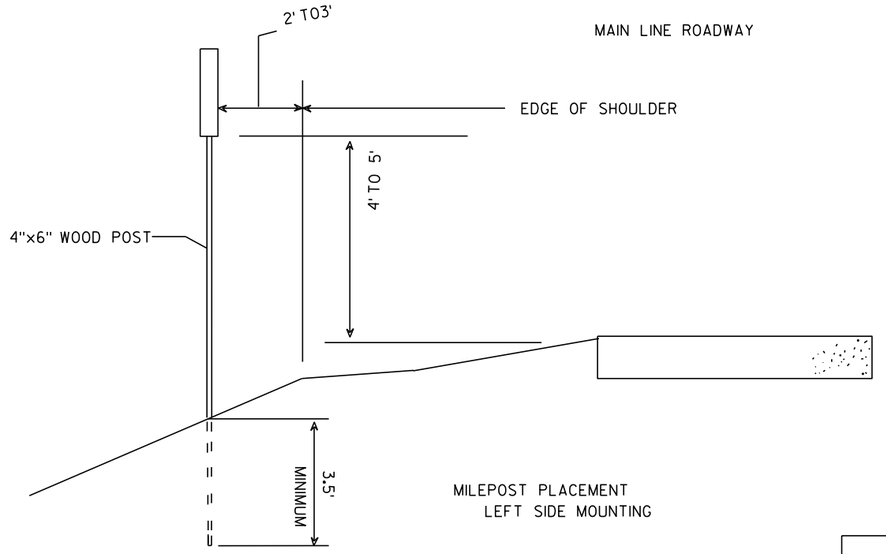
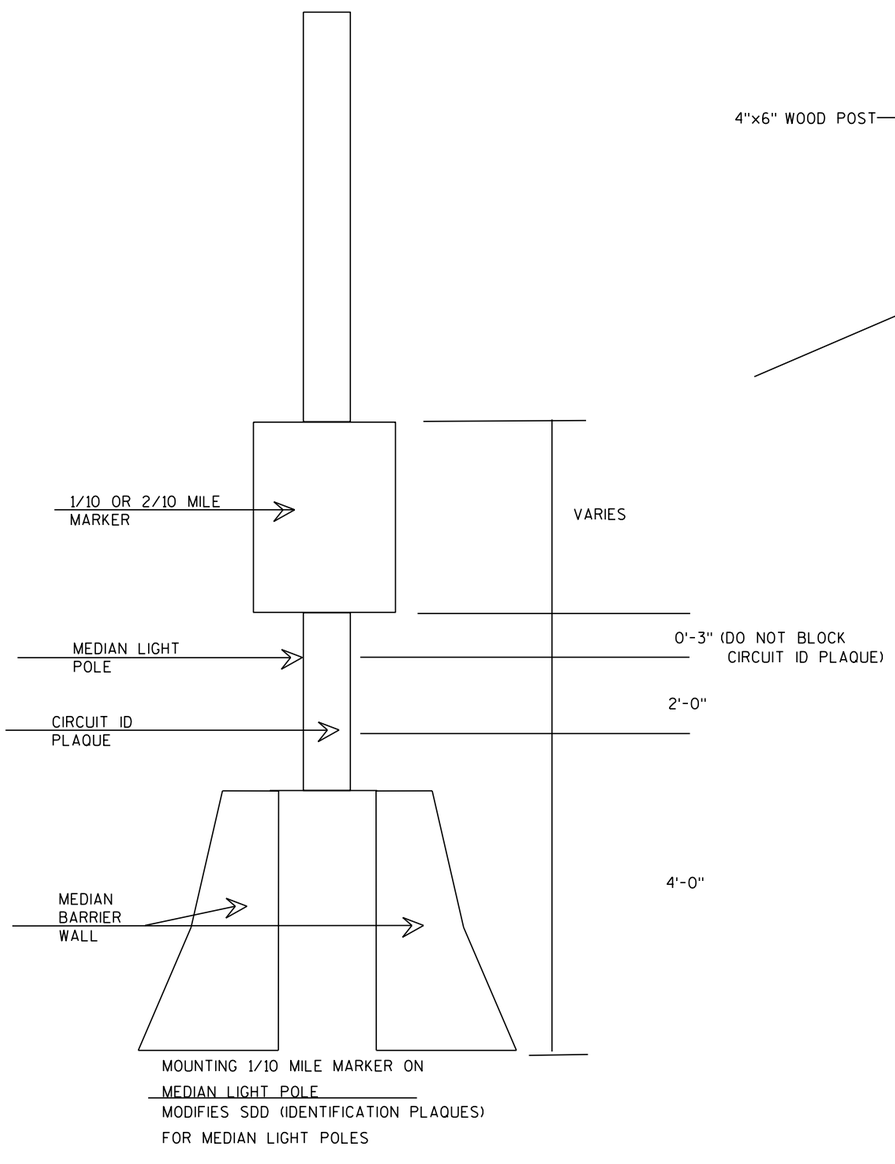
SHEET 71 OF 71

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 116	E

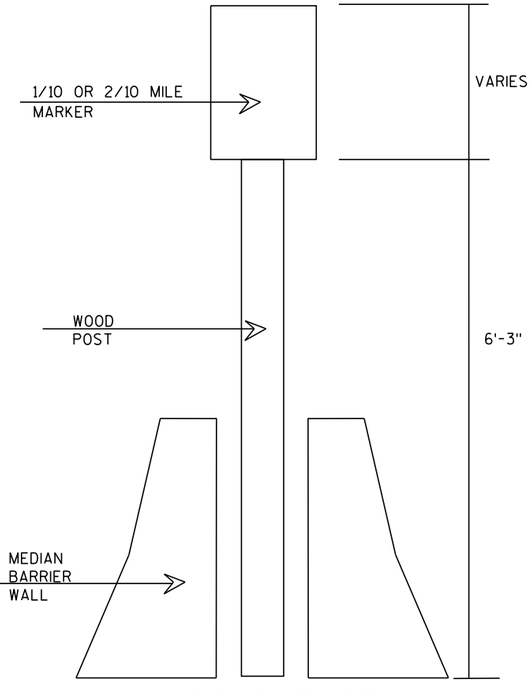
2



MILEPOST PLACEMENT
LEFT SIDE MOUNTING



MOUNTING 1/10 MILE MARKER ON MEDIAN LIGHT POLE
MODIFIES SDD (IDENTIFICATION PLAQUES) FOR MEDIAN LIGHT POLES



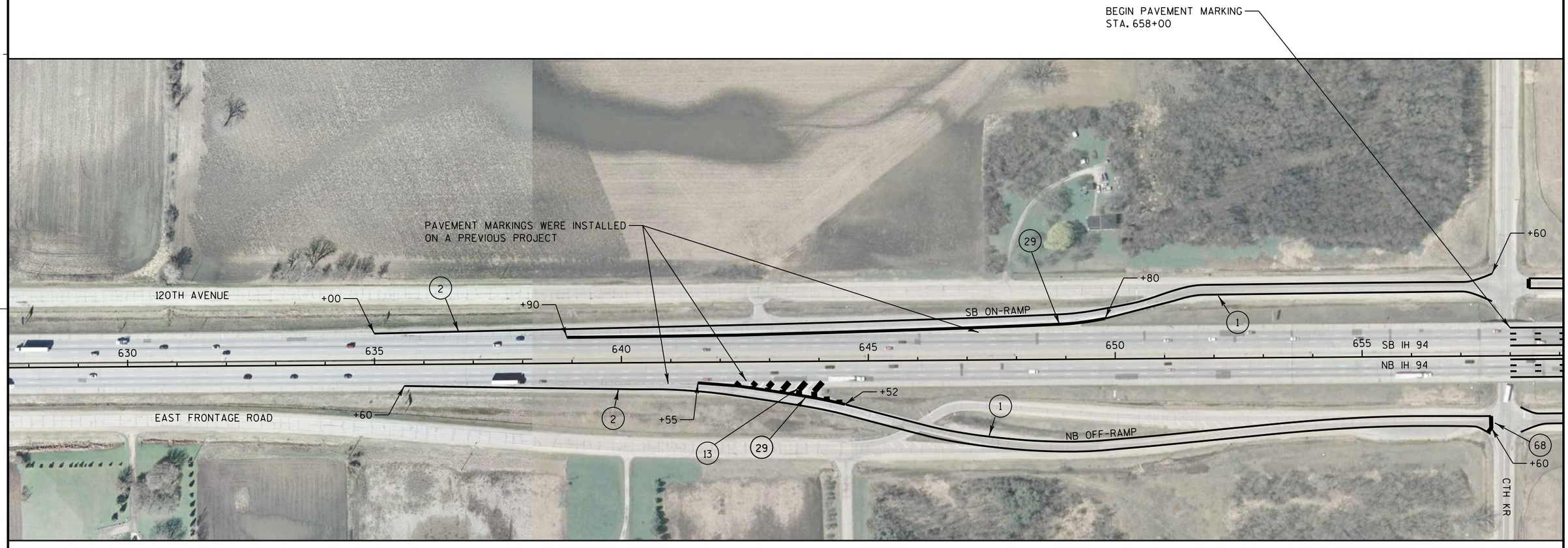
MOUNTING 1/10 MILE MARKER, IN MEDIAN, ON A WOOD POST

SHEET 1 OF 1

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: MILWAUKEE	SIGNING DETAILS - TYPE II SIGN	SHEET 117	E

PAVEMENT MARKING NOTES:
ALL PAVEMENT MARKING AREAS ARE NOT SHOWN AS PART OF THE PAVEMENT MARKING PLAN SET. ONLY INTERCHANGE AREAS IN RACINE COUNTY ARE SHOWN AS PART OF THE PAVEMENT MARKING PLAN SET. REFERENCE S.D.D. PAVEMENT MARKING (MAINLINE) FOR ALL MAINLINE AREAS FROM STA. 658+00 TO STA. 418+00. REFERENCE CONSTRUCTION DETAIL PAVEMENT MARKING (RAMPS AND GORES) FOR ALL INTERCHANGE AREAS.

N



LEGEND

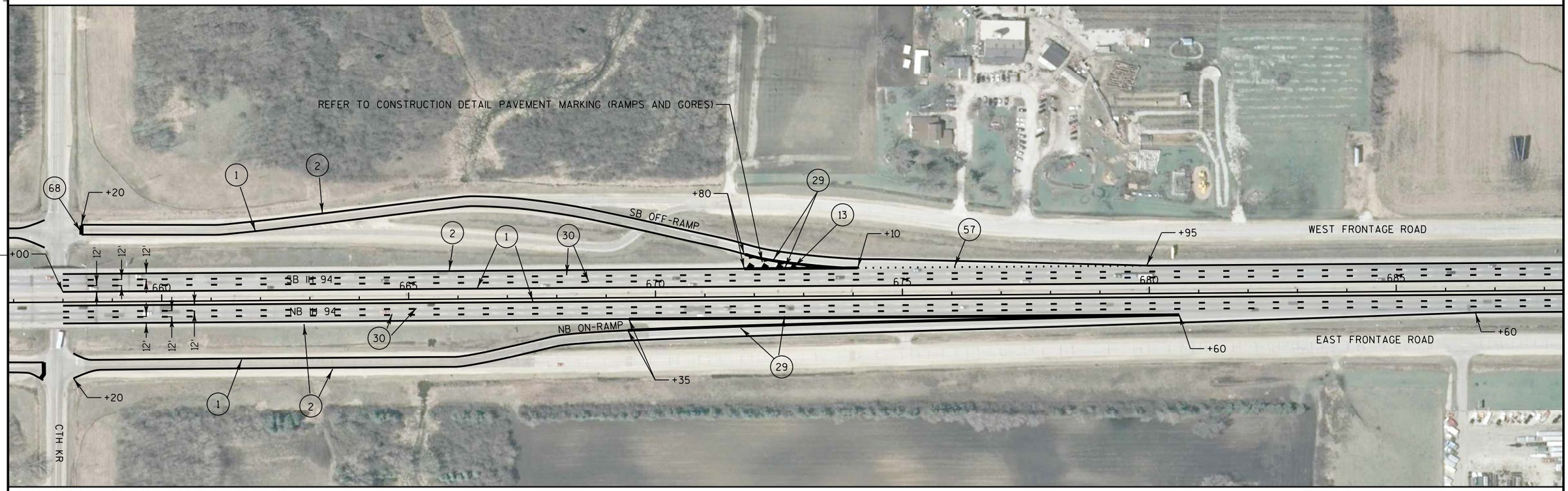
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
13. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
29. PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
30. PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
57. PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
63. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS, TYPE 2 (WHITE)
64. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS, TYPE 3 (WHITE)
65. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS, TYPE 4 (WHITE)
67. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS (WHITE)
68. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH (WHITE)

NOTE: AERIAL PHOTO IS OUT OF DATE, ADJUST ACCORDINGLY.

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PAVEMENT MARKING	SHEET 118	E

2

N



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
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6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
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68. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH (WHITE)

NOTE: AERIAL PHOTO IS OUT OF DATE, ADJUST ACCORDINGLY.

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PAVEMENT MARKING	SHEET 119	E

2

LEGEND

(1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

(2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)

(6) PAVEMENT MARKING EPOXY 8-INCH (WHITE)

(13) PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)

(29) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)

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(63) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS, TYPE 2 (WHITE)

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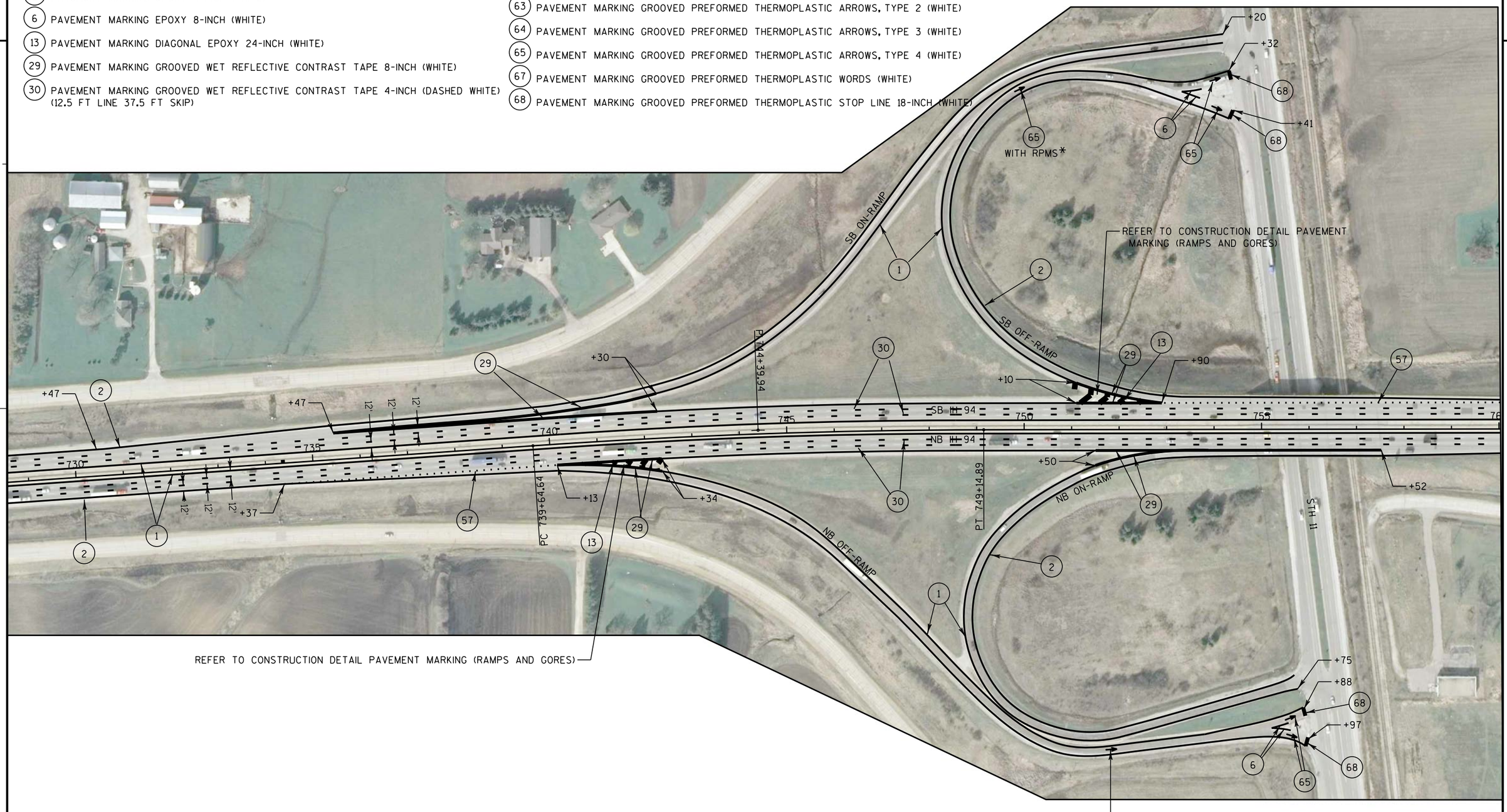
(65) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS, TYPE 4 (WHITE)

(67) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS (WHITE)

(68) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH (WHITE)

N



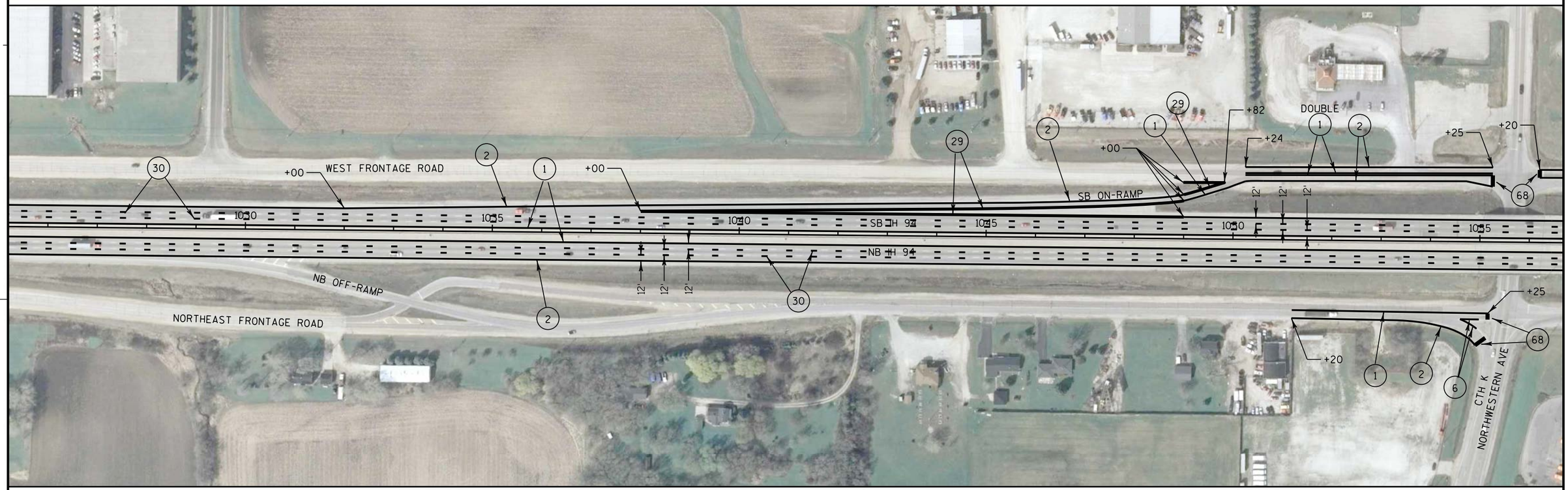
* REFER TO CONSTRUCTION DETAIL WET WEATHER MARKINGS - RAISED PAVEMENT MARKERS

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PAVEMENT MARKING	SHEET 120	E

FILE NAME : J:\projects\d2_10303394\60\024503_PM.dgn PLOT DATE : 22-OCT-2013 09:57 PLOT BY : dotslk PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

2



LEGEND

(1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

(2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)

(6) PAVEMENT MARKING EPOXY 8-INCH (WHITE)

(13) PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)

(29) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)

(30) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)

(57) PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)

(63) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS, TYPE 2 (WHITE)

(64) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS, TYPE 3 (WHITE)

(65) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS, TYPE 4 (WHITE)

(67) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS (WHITE)

(68) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH (WHITE)

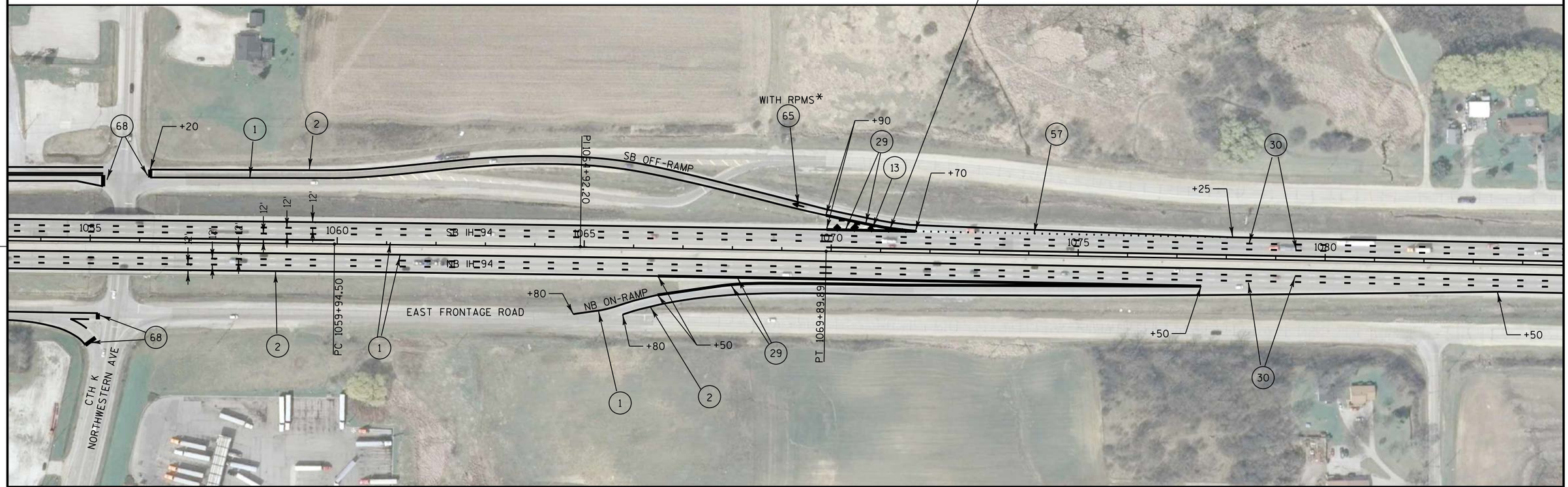
NOTE: AERIAL PHOTO IS OUT OF DATE, ADJUST ACCORDINGLY.

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PAVEMENT MARKING	SHEET 121	E

2

N

REFER TO CONSTRUCTION DETAIL PAVEMENT MARKINGS (RAMPS AND GORE)



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
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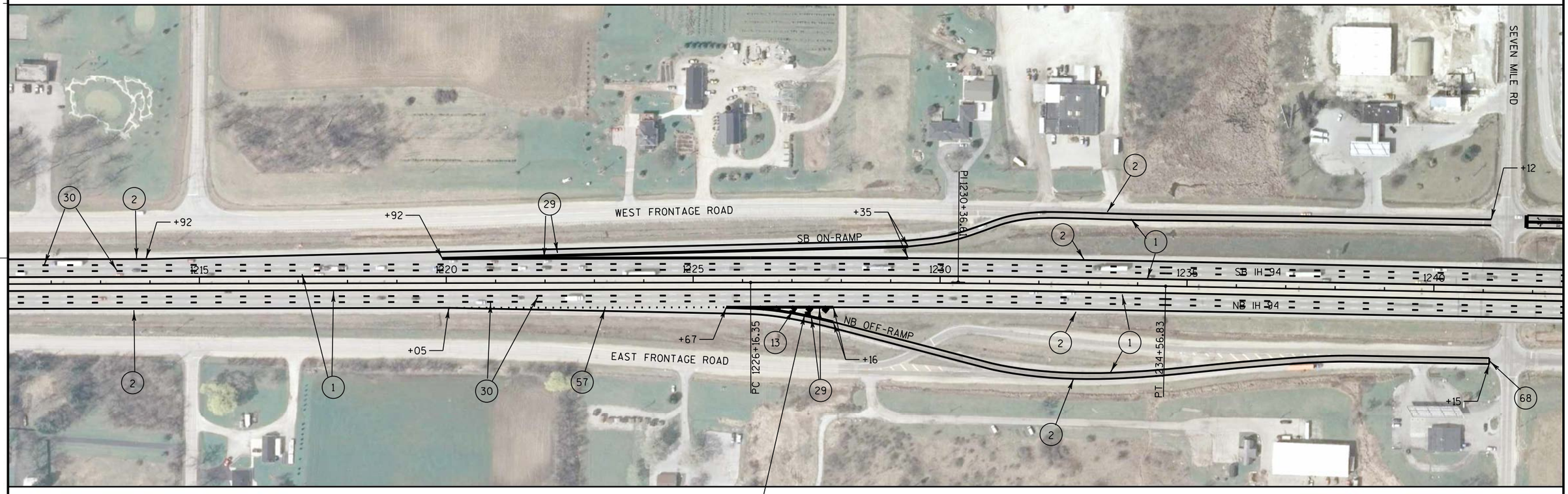
68. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH (WHITE)

* REFER TO CONSTRUCTION DETAIL WET WEATHER MARKINGS - RAISED PAVEMENT MARKERS

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PAVEMENT MARKING	SHEET 122	E

2

N



REFER TO CONSTRUCTION DETAIL PAVEMENT MARKINGS (RAMPS AND GORE)

LEGEND

(1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

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(64) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS, TYPE 3 (WHITE)

(65) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS, TYPE 4 (WHITE)

(67) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS (WHITE)

(68) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH (WHITE)

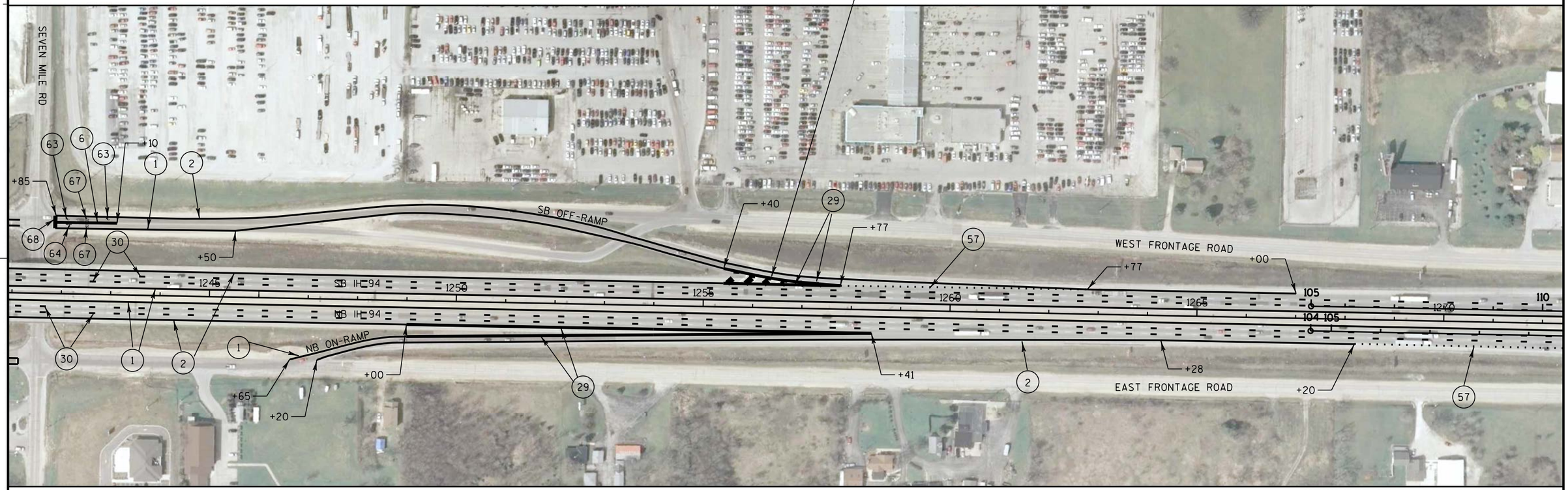
NOTE: AERIAL PHOTO IS OUT OF DATE, ADJUST ACCORDINGLY.

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PAVEMENT MARKING	SHEET 123	E

2

N

REFER TO CONSTRUCTION DETAIL PAVEMENT MARKINGS (RAMPS AND GORE)



LEGEND

(1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

(2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)

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(65) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS, TYPE 4 (WHITE)

(67) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS (WHITE)

(68) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH (WHITE)

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	PAVEMENT MARKING	SHEET 124	E

2

GENERAL TRAFFIC CONTROL NOTES

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

FOR A LANE CLOSURE THAT IS IN PLACE FEWER THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS. SIGNS MUST BE PLACED AT THE HEIGHT SHOWN IN THE MUTCD.

REMOVAL OF PAVEMENT MARKINGS AND PLACEMENT OF TEMPORARY PAVEMENT MARKINGS IS REQUIRED FOR LANE CLOSURES IN PLACE LONGER THAN 7 CONTINUOUS DAYS AND NIGHTS.

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

THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP. EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

DO NOT STORE EQUIPMENT OR MATERIAL WITHIN THE WORK ZONE OTHER THAN ON THE CLOSED SHOULDER.

LOCATE THE ARROW BOARD IN THE LANE CLOSURE TAPER AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE TAPER WHERE THERE IS SUFFICIENT SPACE TO LOCATE THE ARROW BOARD.

RE-ESTABLISH BARRICADES IN THE CLOSED LANE IMMEDIATELY AFTER THE WORK OPERATION IS COMPLETE.

DO NOT CLOSE CONSECUTIVE RAMPS DURING CONSTRUCTION.

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

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

ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

TRAFFIC CONTROL DRUMS IN TAPERS, SHALL BE EQUIPPED WITH TRAFFIC CONTROL WARNING LIGHTS, TYPE "C", ONE WAY LIGHTS IN TAPERS ONLY, UNLESS OTHERWISE SHOWN.

PCMS SHALL BE USED AS DIRECTED BY THE TRAFFIC ENGINEER.

ALL TEMPORARY TRAFFIC CONTROL SIGNS WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS. THIS WILL BE PAID FOR WITH THE APPROPRIATE PAY ITEM.

ALL EXISTING SIGNS WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS. THIS WILL BE PAID FOR WITH THE APPROPRIATE PAY ITEM.

A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE "WORK/CLOSED" AREAS IF WARRANTED BY CONDITIONS AND/OR DIRECTED BY THE ENGINEER.

CONTRACTOR SHALL INSTALL PERMANENT SIGNS AND PERMANENT PAVEMENT MARKING WHEN APPROPRIATE DURING CONSTRUCTION STAGING AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

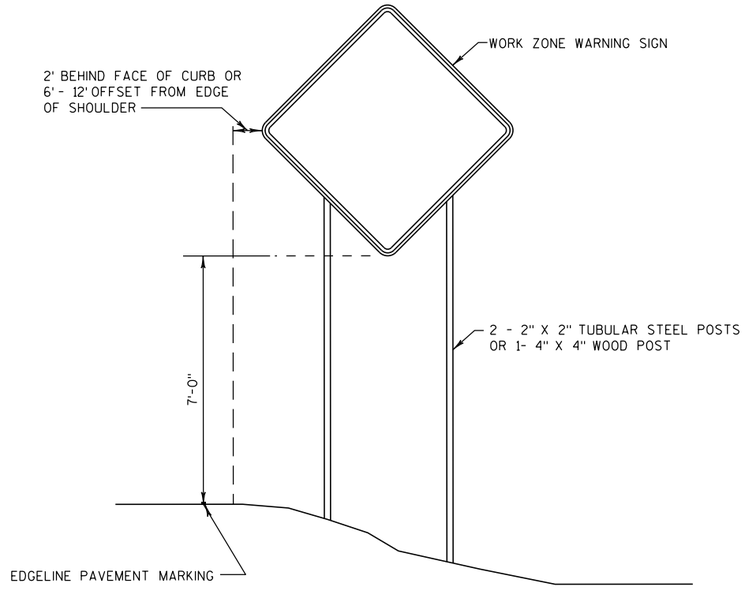
ADEQUATE TURNING PROVISION SHALL BE MAINTAINED FOR ALL VEHICLES, INCLUDING TRUCKS AS DIRECTED BY THE ENGINEER.

BARRICADE STRIPES ARE TO BE SLOPED DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW.

PLACE TRAFFIC CONTROL ITEMS AT THE BEGINNING OF EACH STAGE UNLESS OTHERWISE APPROVED BY THE ENGINEER.

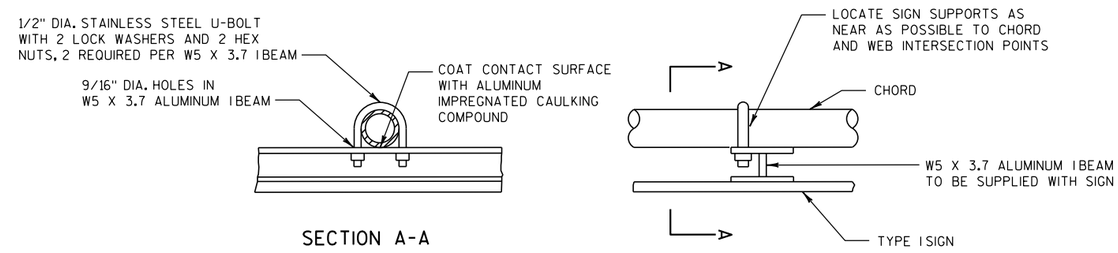
KEEP TRAFFIC CONTROL ITEMS IN PLACE AS SHOWN THROUGH THE DURATION OF EACH STAGE UNLESS OTHERWISE APPROVED BY THE ENGINEER.

SEE SPECIAL PROVISIONS FOR STAGING REQUIREMENTS.



TYPICAL TEMPORARY TRAFFIC CONTROL SIGN MOUNTING ON FIXED SUPPORT

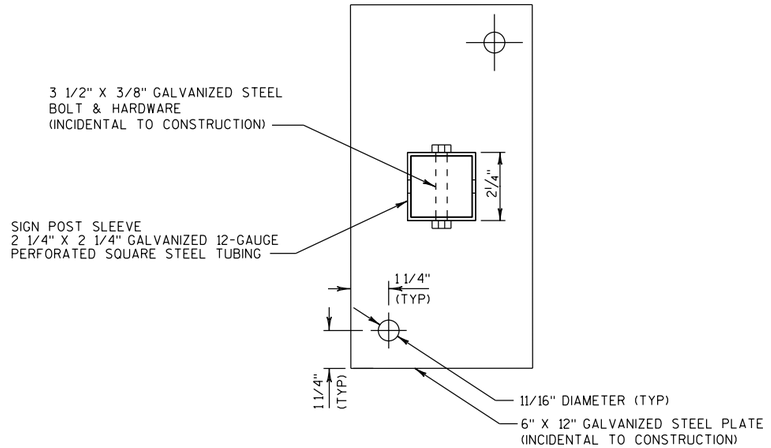
LONG TERM
7 DAYS OR MORE



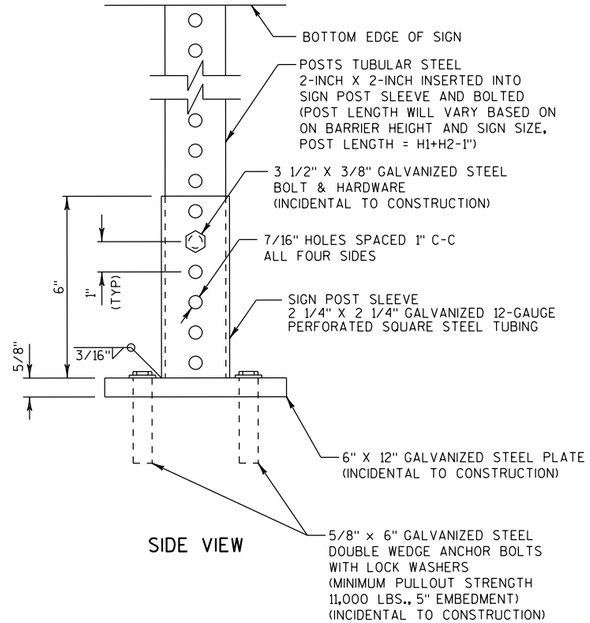
TYPICAL SIGN CONNECTION

INCIDENTAL TO OTHER SIGN ITEMS

2

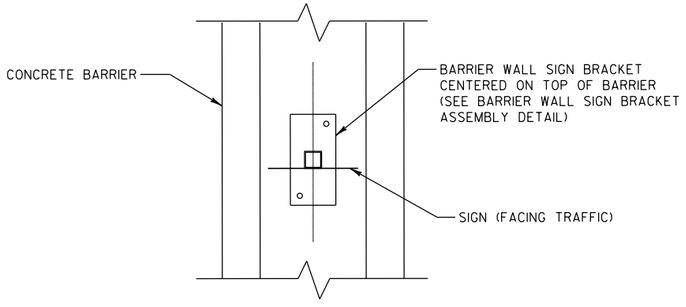


PLAN VIEW

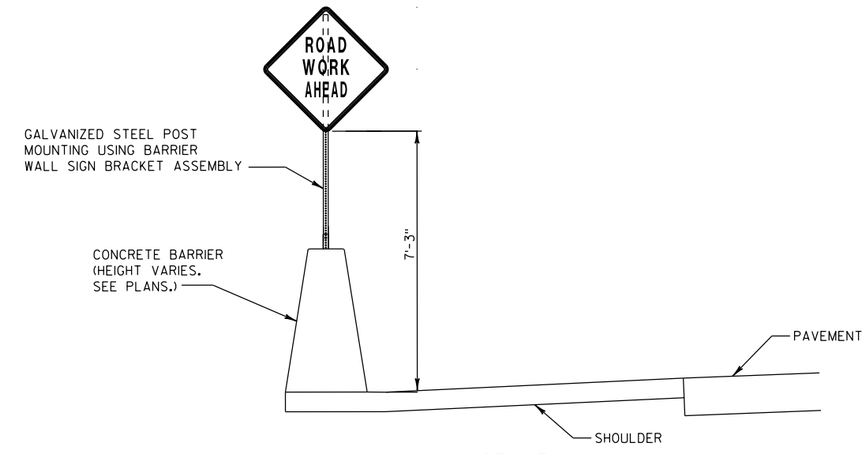


SIDE VIEW

BARRIER WALL SIGN BRACKET ASSEMBLY DETAIL



PLAN VIEW



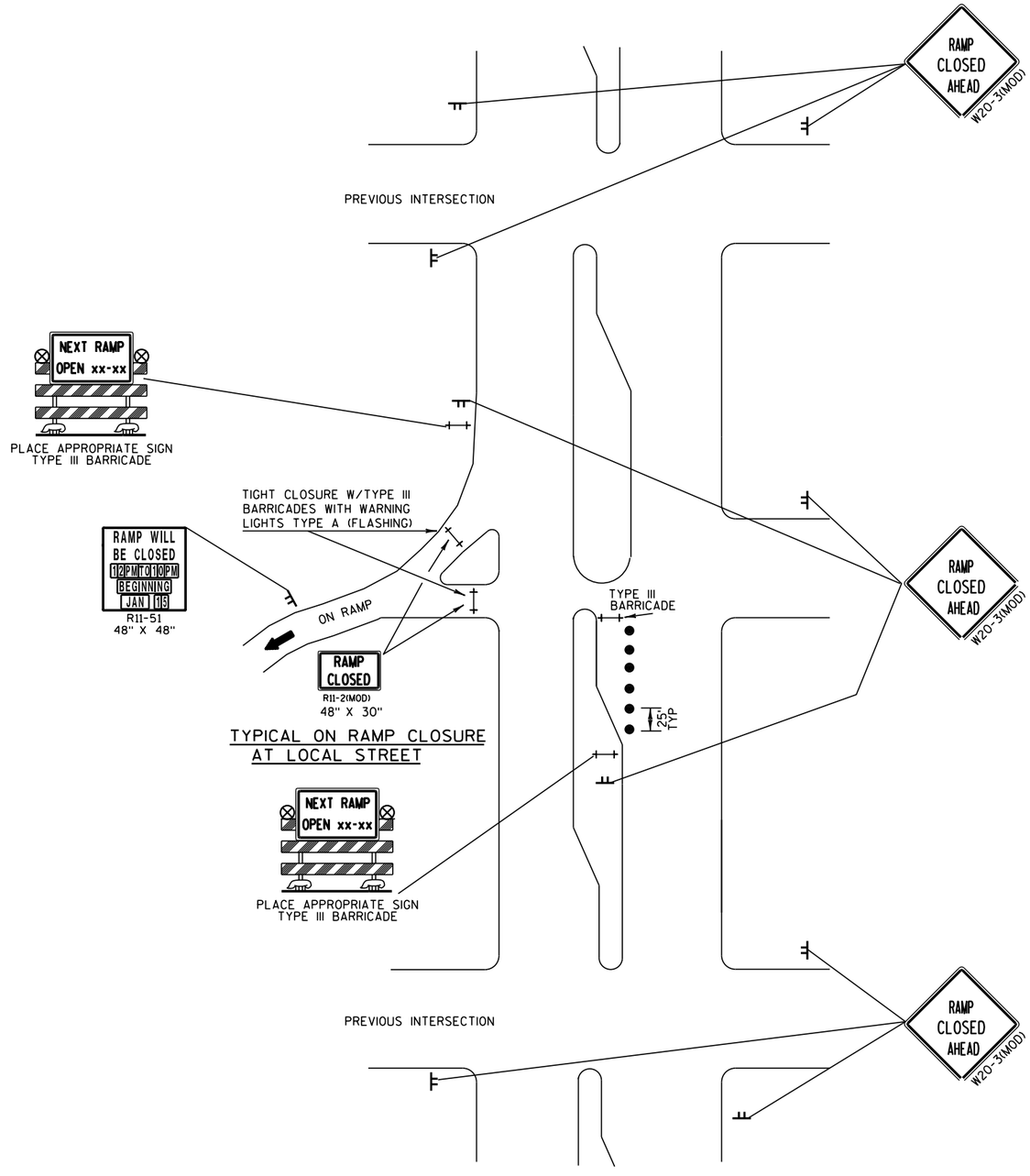
SIDE VIEW

MEDIAN BARRIER MOUNTING DETAIL

MOUNTING SIGNS TO MEDIAN BARRIER

NOT TO SCALE

2



TYPICAL ON RAMP CLOSURE AT LOCAL STREET

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.

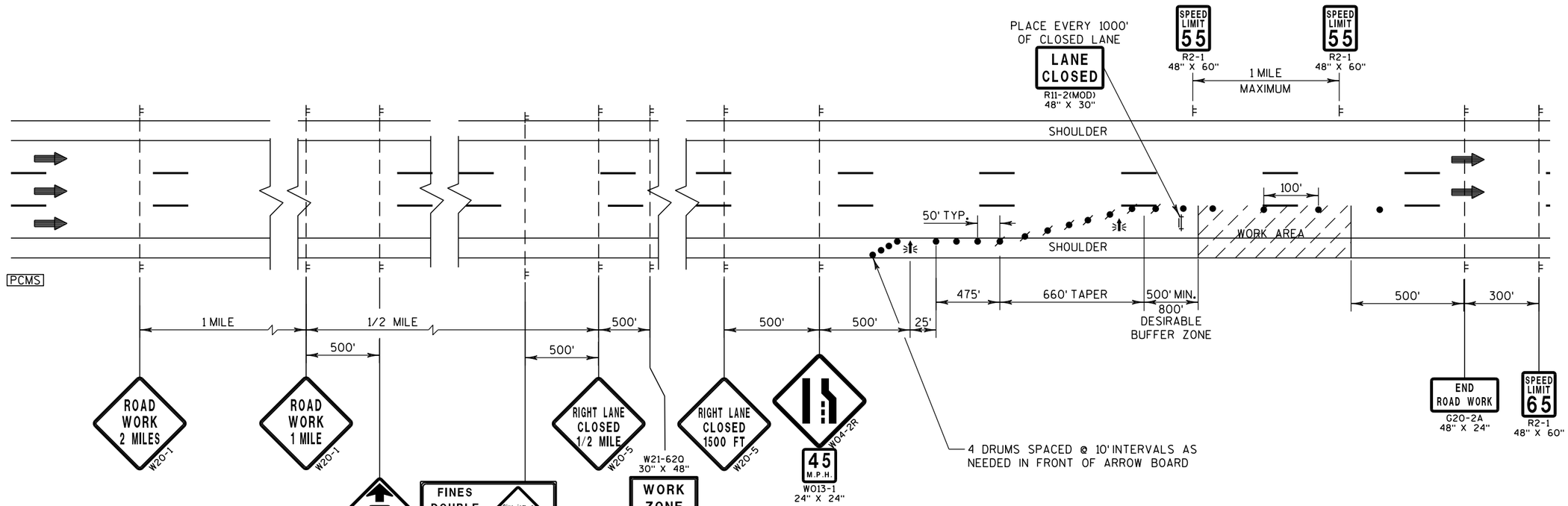
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

LEGEND

- ● TRAFFIC CONTROL DRUM
- ⊢ SIGN ON TEMPORARY SUPPORT FOR SHORT TERM 3 DAYS OR LESS
- ⊢⊣ TYPE III BARRICADE
- ⊗ WARNING LIGHT, TYPE A (FLASHING)

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

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	TRAFFIC CONTROL AT ENTRANCE RAMP	SHEET	E



TYPICAL ONE-LANE CLOSURE

GENERAL NOTES

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

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

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.

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRED 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 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 HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

RIGHT LANE CLOSURE SHOWN - REVERSE FOR CLOSING LEFT LANE.

ADJUST THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A WARNING LIGHT, TYPE C (STEADY BURN).

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

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

REMOVE AND COVER ALL SHORT TERM LANE CLOSURE SIGNS AND ALL ARROW BOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

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

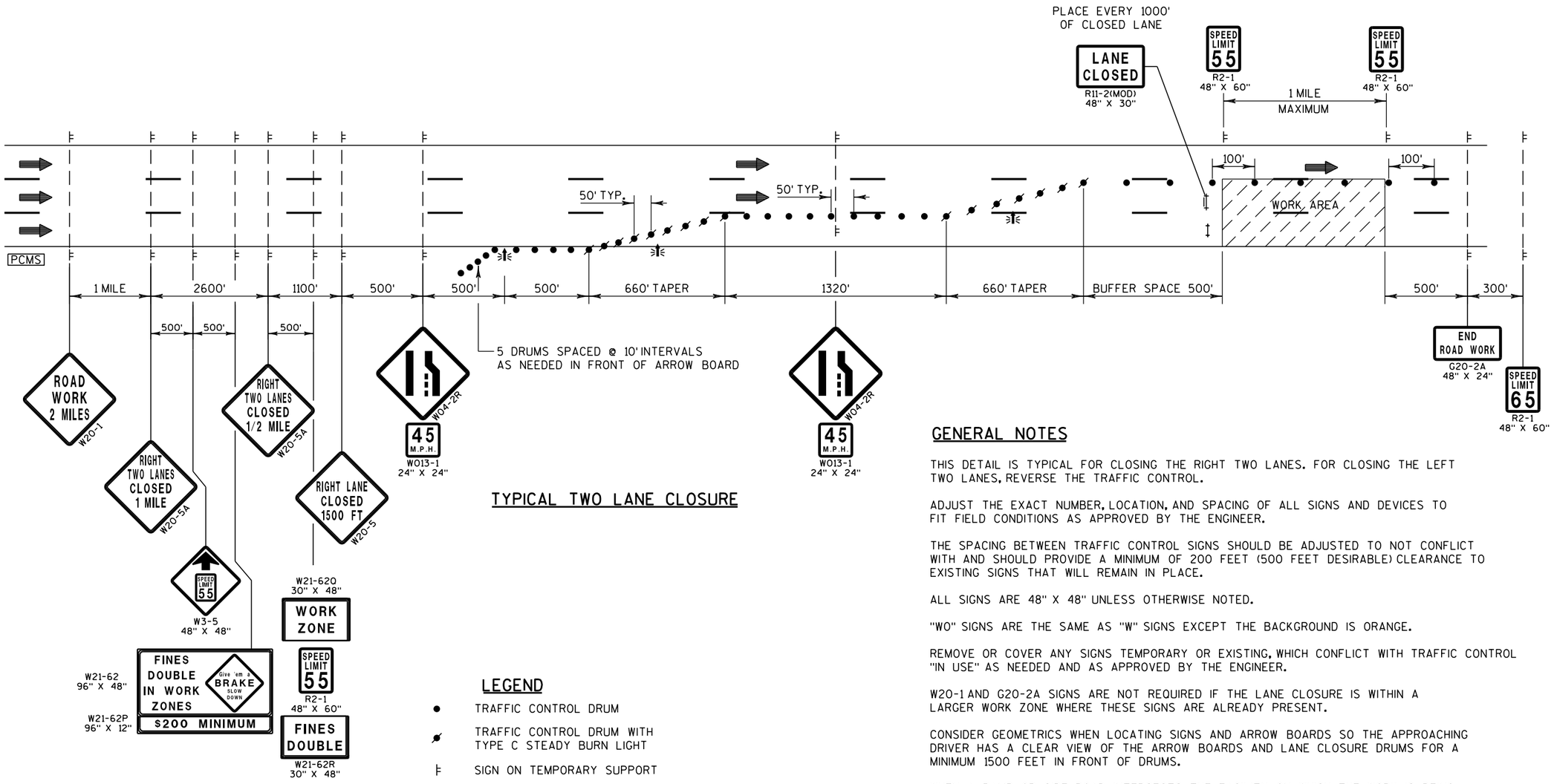
W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- POST WITH ATTACHED SIGN IN DRUM
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGNS

SPEEDS 45 MPH OR GREATER

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	TRAFFIC CONTROL - TYPICAL ONE LANE CLOSURE	SHEET	E



TYPICAL TWO LANE CLOSURE

LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGNS

GENERAL NOTES

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

ADJUST THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES 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.

REMOVE OR COVER ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" AS NEEDED AND AS APPROVED BY THE ENGINEER.

W20-1 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 ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS 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, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

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

PULL BACK CHANNELIZING DEVICES, PLACED ADJACENT TO WORK AREA, FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

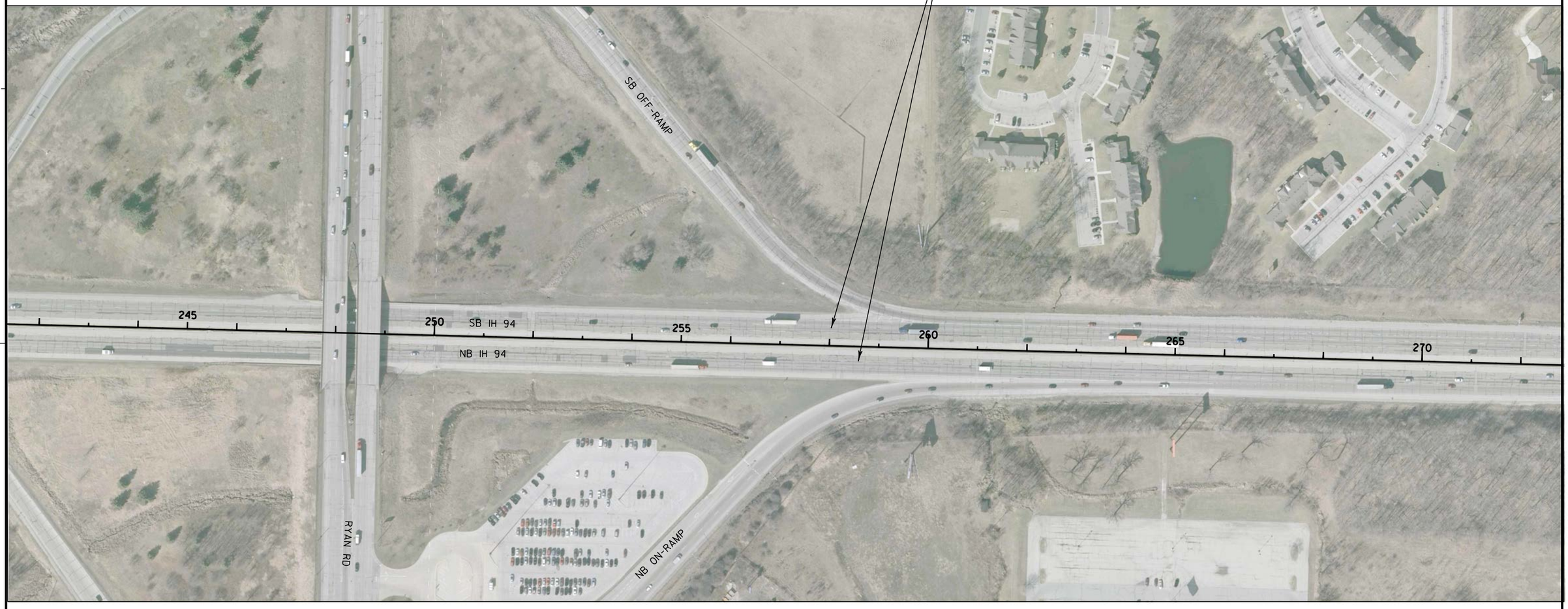
SPEEDS 45 MPH OR GREATER

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	TRAFFIC CONTROL - TYPICAL TWO LANE CLOSURE	SHEET	E

2

N

SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"



NIGHT TIME (LANE 1)
CONSTRUCTION
-BEGIN MILL AND PAVE INSIDE LANE (LANE 1) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (MILWAUKEE COUNTY)

TRAFFIC
IH 94
-TEMPORARY LANE CLOSURE
-TWO LANES OPEN TO TRAFFIC
-ALL EXIT AND ENTRANCE RAMPS ARE OPEN

INTERCHANGES
-ALL INTERCHANGES ARE OPEN

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - NIGHT TIME (LANE 1)	SHEET	E

2

SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"

N

2

NIGHT TIME (LANE 1)
CONSTRUCTION
- -BEGIN MILL AND PAVE INSIDE LANE (LANE 1) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (MILWAUKEE COUNTY)

TRAFFIC
IH 94
- -TEMPORARY LANE CLOSURE
- -TWO LANES OPEN TO TRAFFIC
- -ALL EXIT AND ENTRANCE RAMPS ARE OPEN

INTERCHANGES
- -ALL INTERCHANGES ARE OPEN

NOTE: AERIAL PHOTO IS OUT OF DATE, ADJUST ACCORDINGLY.

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - NIGHT TIME (LANE 1)	SHEET	E

2

SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"

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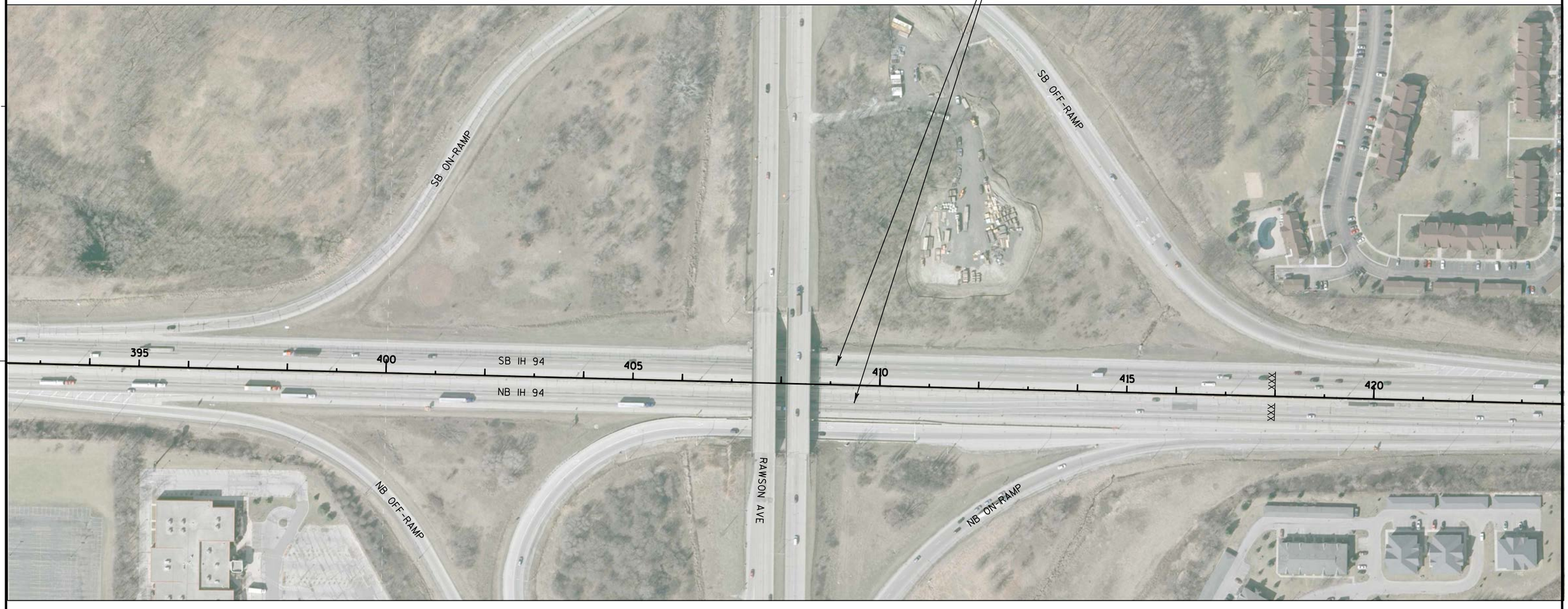

NIGHT TIME (LANE 1)

CONSTRUCTION

-BEGIN MILL AND PAVE INSIDE LANE (LANE 1) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (MILWAUKEE COUNTY)

TRAFFIC

IH 94

-TEMPORARY LANE CLOSURE

-TWO LANES OPEN TO TRAFFIC

-ALL EXIT AND ENTRANCE RAMPS ARE OPEN

INTERCHANGES

-ALL INTERCHANGES ARE OPEN

NOTE: AERIAL PHOTO IS OUT OF DATE, ADJUST ACCORDINGLY.

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - NIGHT TIME (LANE 1)	SHEET	E

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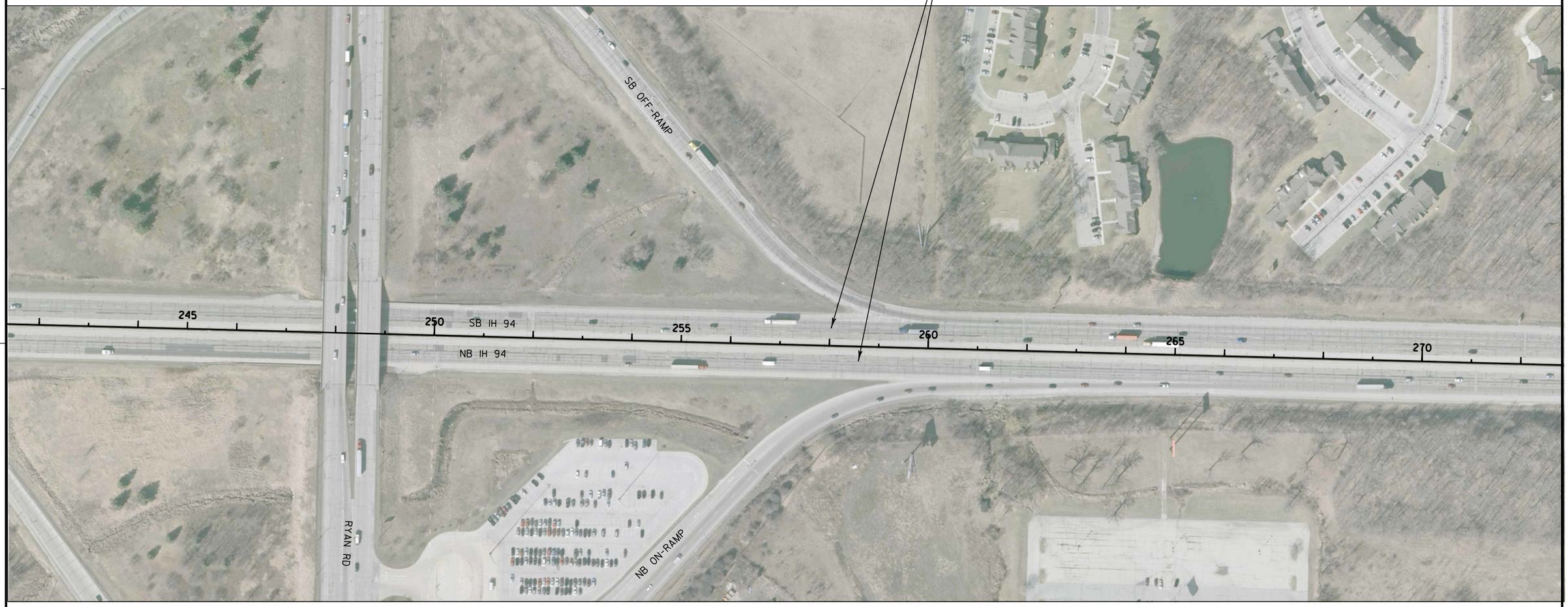
SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"



NIGHT TIME (LANE 3)
CONSTRUCTION
-BEGIN MILL AND PAVE OUTSIDE (LANE 3) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (MILWAUKEE COUNTY)

TRAFFIC
IH 94
-TEMPORARY LANE CLOSURE
-TWO LANES OPEN TO TRAFFIC
-SHORT TERM EXIT AND ENTRANCE RAMP CLOSURES PERMITTED DURING NIGHT TIME HOURS

INTERCHANGES
STH 241, STH 100, DREXEL AVENUE AND RAWSON AVENUE
SEE SDD "TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE"
SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - NIGHT TIME (LANE 3)	SHEET	E

2

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SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"

NIGHT TIME (LANE 3)

CONSTRUCTION

-BEGIN MILL AND PAVE OUTSIDE (LANE 3) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (MILWAUKEE COUNTY)

TRAFFIC

IH 94

-TEMPORARY LANE CLOSURE
-TWO LANES OPEN TO TRAFFIC
-SHORT TERM EXIT AND ENTRANCE RAMP CLOSURES PERMITTED DURING NIGHT TIME HOURS

INTERCHANGES

STH 241, STH 100, DREXEL AVENUE AND RAWSON AVENUE
SEE SDD "TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE"
SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"

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PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - NIGHT TIME (LANE 3)	SHEET	E

2

SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"

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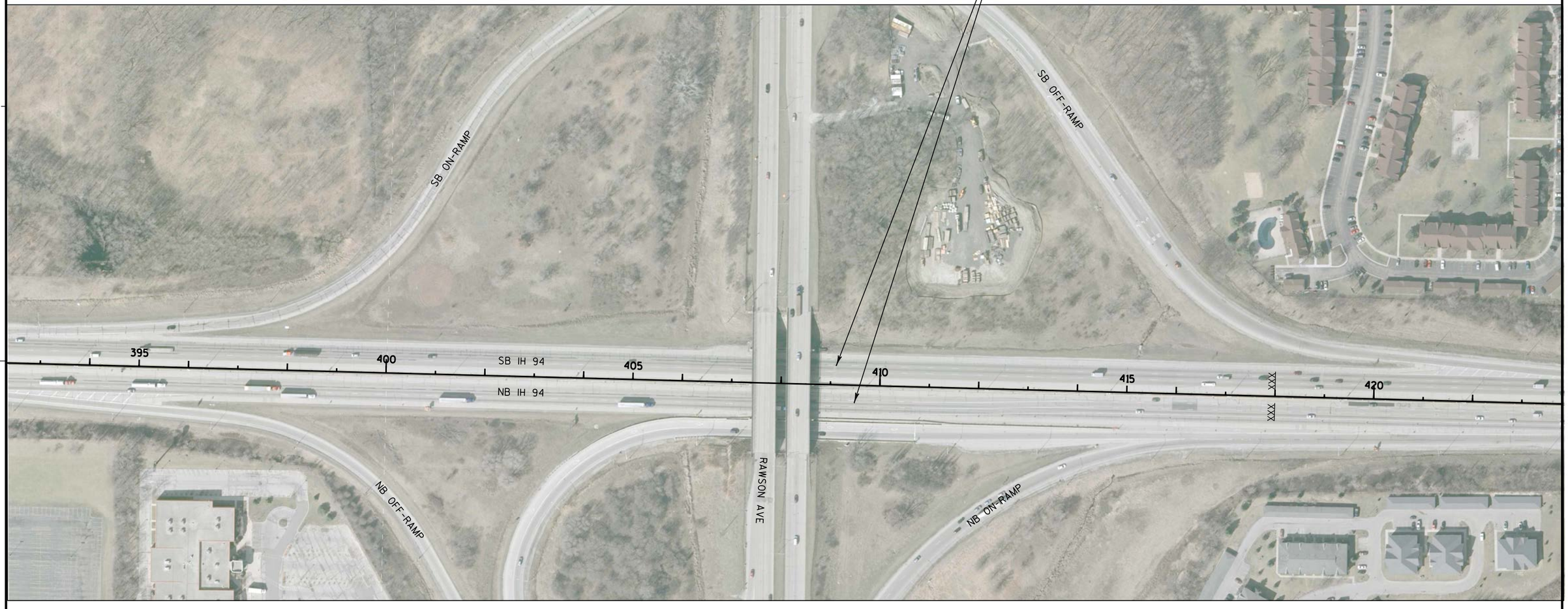

NIGHT TIME (LANE 3)

CONSTRUCTION

-BEGIN MILL AND PAVE OUTSIDE (LANE 3) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (MILWAUKEE COUNTY)

TRAFFIC

IH 94

-TEMPORARY LANE CLOSURE
-TWO LANES OPEN TO TRAFFIC
-SHORT TERM EXIT AND ENTRANCE RAMP CLOSURES PERMITTED DURING NIGHT TIME HOURS

INTERCHANGES

STH 241, STH 100, DREXEL AVENUE AND RAWSON AVENUE
SEE SDD "TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE"
SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"

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PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - NIGHT TIME (LANE 3)	SHEET	E

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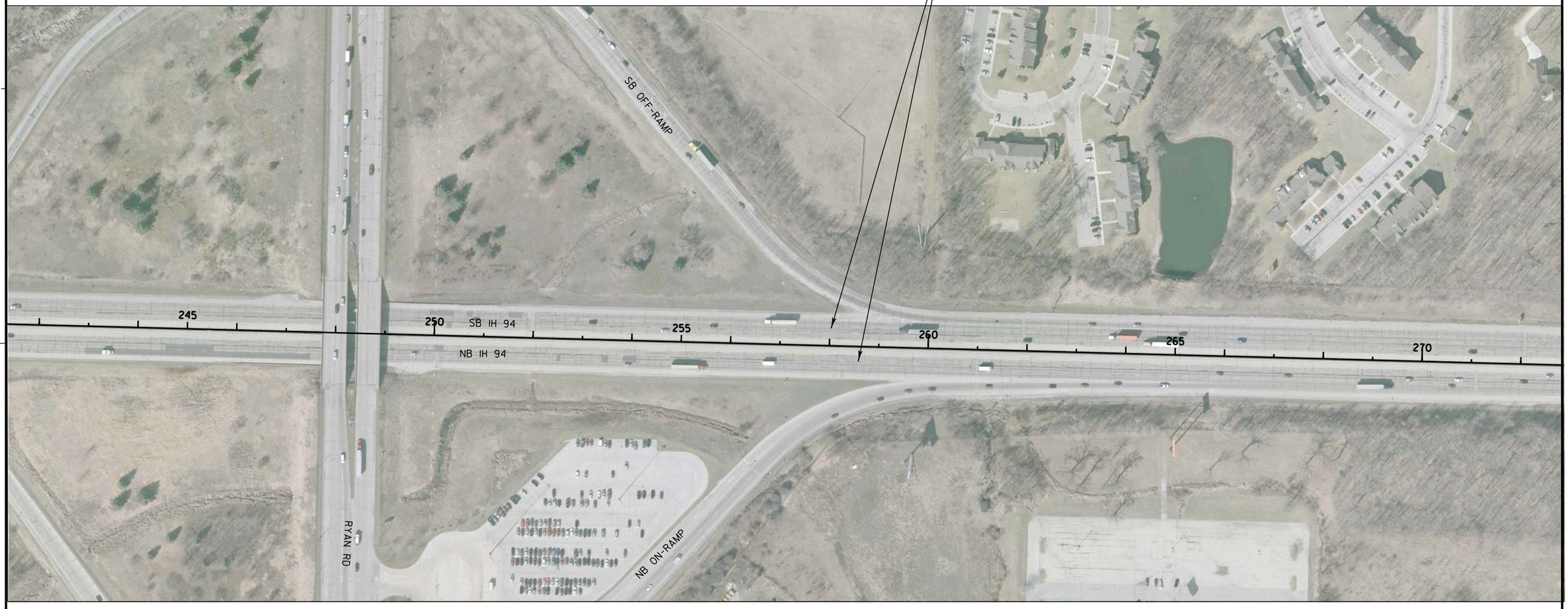
SEE CONSTRUCTION DETAIL "TYPICAL TWO LANE CLOSURE"



NIGHT TIME (LANES 2 & 3)

CONSTRUCTION

-BEGIN MILL AND PAVE MIDDLE LANE (LANE 2) AND OUTSIDE (LANE 3) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (MILWAUKEE COUNTY)

TRAFFIC

IH 94

- -TEMPORARY LANE CLOSURES
- -ONE LANE OPEN TO TRAFFIC
- -SHORT TERM EXIT AND ENTRANCE RAMP CLOSURES PERMITTED DURING NIGHT TIME HOURS

INTERCHANGES

STH 241, STH 100, DREXEL AVENUE AND RAWSON AVENUE
SEE SDD "TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE"
SEE CONSTRUCTION DETAIL "TYPICAL TWO LANE CLOSURE"

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - NIGHT TIME (LANES 2 & 3)	SHEET	E

2

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SEE CONSTRUCTION DETAIL "TYPICAL TWO LANE CLOSURE"

NIGHT TIME (LANES 2 & 3)

CONSTRUCTION

-BEGIN MILL AND PAVE MIDDLE LANE (LANE 2) AND OUTSIDE (LANE 3) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (MILWAUKEE COUNTY)

TRAFFIC

IH 94

- -TEMPORARY LANE CLOSURES
- -ONE LANE OPEN TO TRAFFIC
- -SHORT TERM EXIT AND ENTRANCE RAMP CLOSURES PERMITTED DURING NIGHT TIME HOURS

INTERCHANGES

STH 241, STH 100, DREXEL AVENUE AND RAWSON AVENUE
SEE SDD "TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE"
SEE CONSTRUCTION DETAIL "TYPICAL TWO LANE CLOSURE"

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PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - NIGHT TIME (LANES 2 & 3)	SHEET	E

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SEE CONSTRUCTION DETAIL "TYPICAL TWO LANE CLOSURE"

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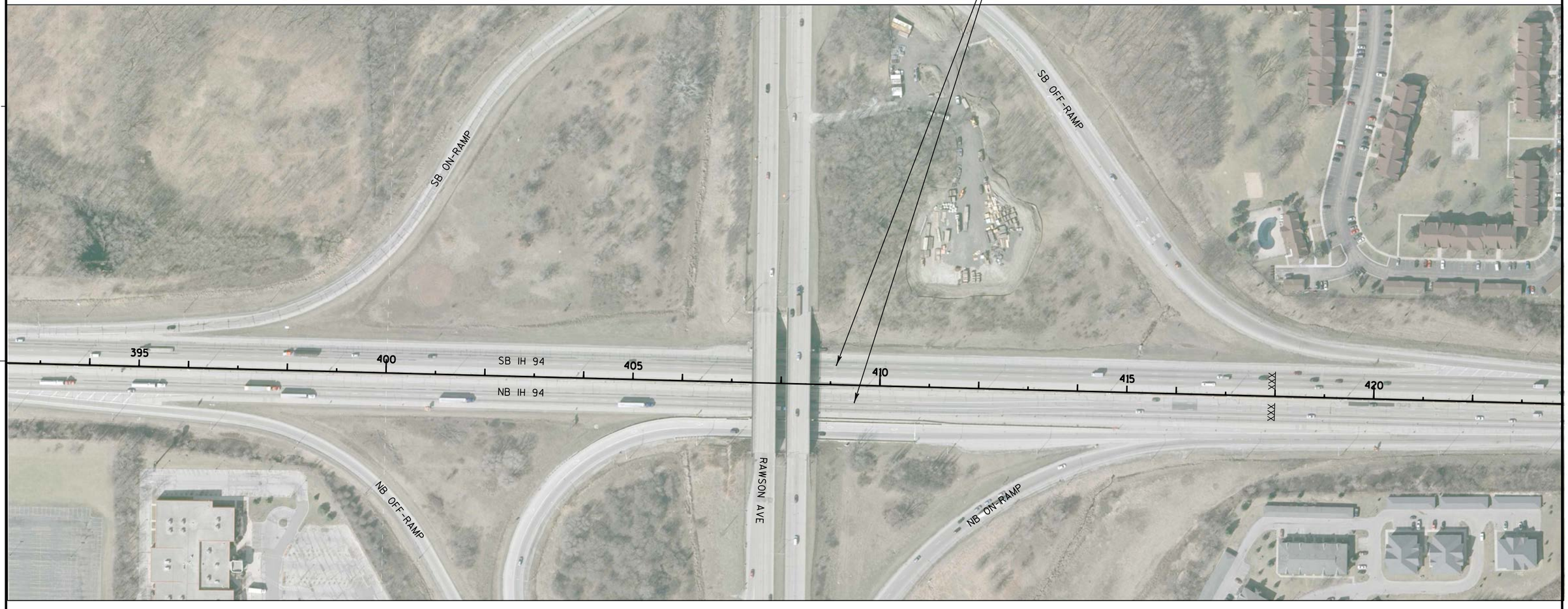

NIGHT TIME (LANES 2 & 3)

CONSTRUCTION
-BEGIN MILL AND PAVE MIDDLE LANE (LANE 2) AND OUTSIDE (LANE 3) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (MILWAUKEE COUNTY)

TRAFFIC
IH 94
-TEMPORARY LANE CLOSURES
-ONE LANE OPEN TO TRAFFIC
-SHORT TERM EXIT AND ENTRANCE RAMP CLOSURES PERMITTED DURING NIGHT TIME HOURS

INTERCHANGES
STH 241, STH 100, DREXEL AVENUE AND RAWSON AVENUE
SEE SDD "TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE"
SEE CONSTRUCTION DETAIL "TYPICAL TWO LANE CLOSURE"

NOTE: AERIAL PHOTO IS OUT OF DATE, ADJUST ACCORDINGLY.

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - NIGHT TIME (LANES 2 & 3)	SHEET	E

2

2

N

LANE 1
CONSTRUCTION
-BEGIN MILL AND PAVE INSIDE LANE (LANE 1) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (RACINE COUNTY)

TRAFFIC
IH 94
-TEMPORARY LANE CLOSURE
-TWO LANES OPEN TO TRAFFIC
-ALL EXIT AND ENTRANCE RAMPS ARE OPEN

INTERCHANGES
-ALL INTERCHANGES ARE OPEN

SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE	TRAFFIC CONTROL - LANE 1	SHEET	E

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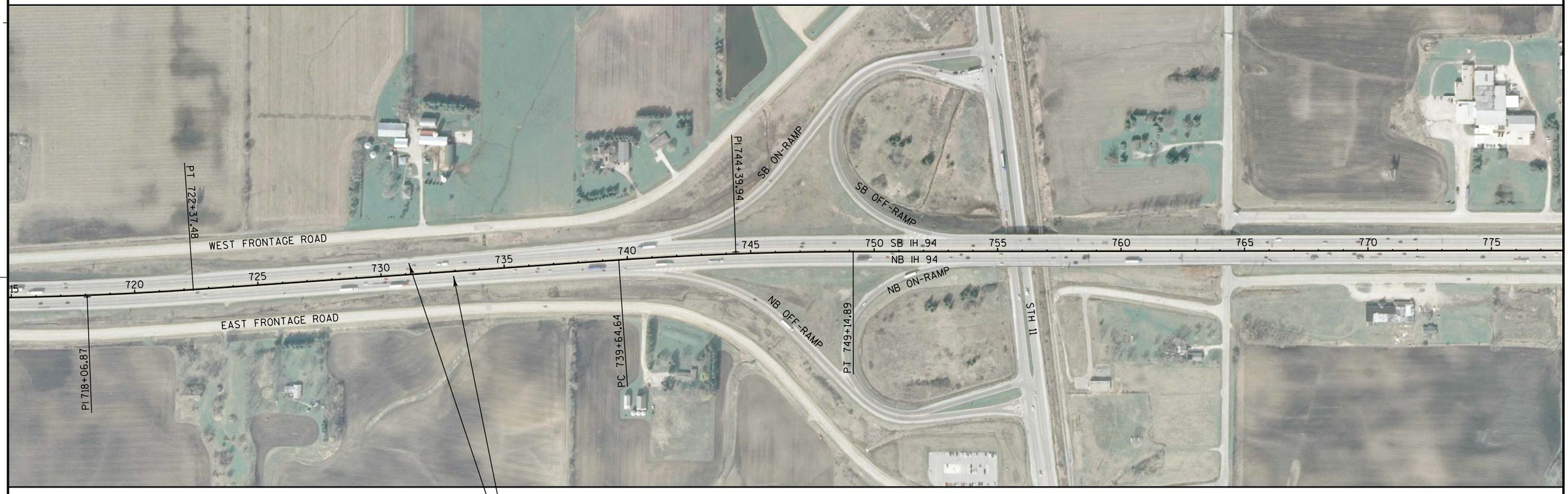

SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"

LANE 1
CONSTRUCTION
- -BEGIN MILL AND PAVE INSIDE LANE (LANE 1) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (RACINE COUNTY)

TRAFFIC
IH 94
- -TEMPORARY LANE CLOSURE
- -TWO LANES OPEN TO TRAFFIC
- -ALL EXIT AND ENTRANCE RAMPS ARE OPEN

INTERCHANGES
- -ALL INTERCHANGES ARE OPEN

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE	TRAFFIC CONTROL - LANE 1	SHEET	E

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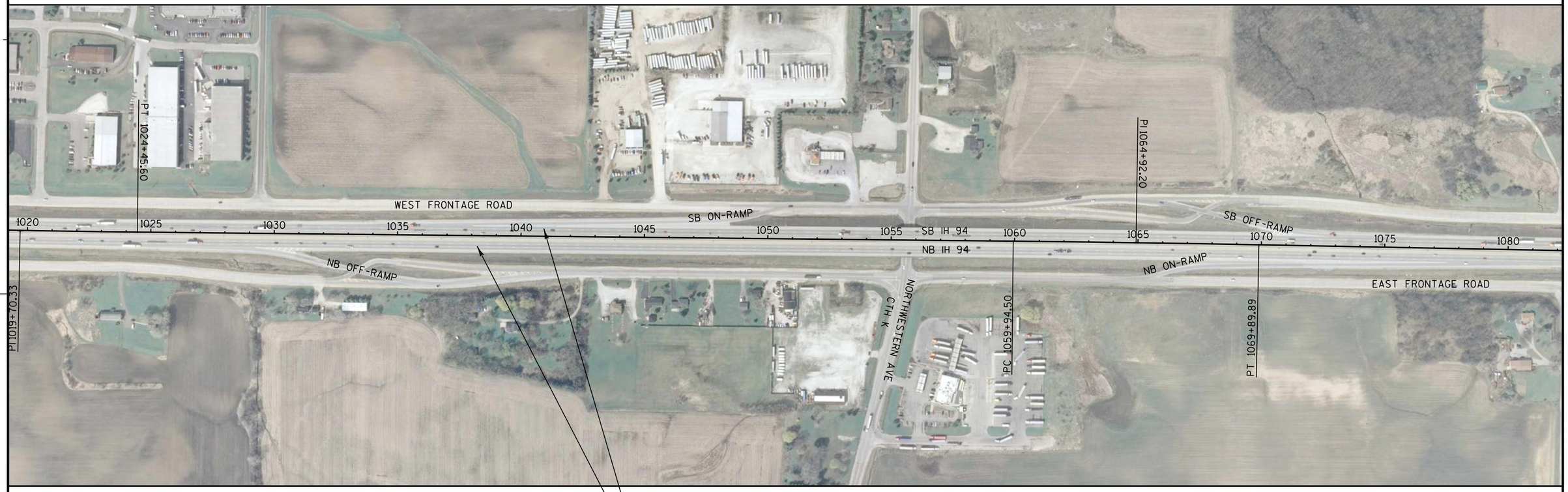

SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"

LANE 1
CONSTRUCTION
-BEGIN MILL AND PAVE INSIDE LANE (LANE 1) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (RACINE COUNTY)

TRAFFIC
IH 94
-TEMPORARY LANE CLOSURE
-TWO LANES OPEN TO TRAFFIC
-ALL EXIT AND ENTRANCE RAMPS ARE OPEN

INTERCHANGES
-ALL INTERCHANGES ARE OPEN

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE	TRAFFIC CONTROL - LANE 1	SHEET	E

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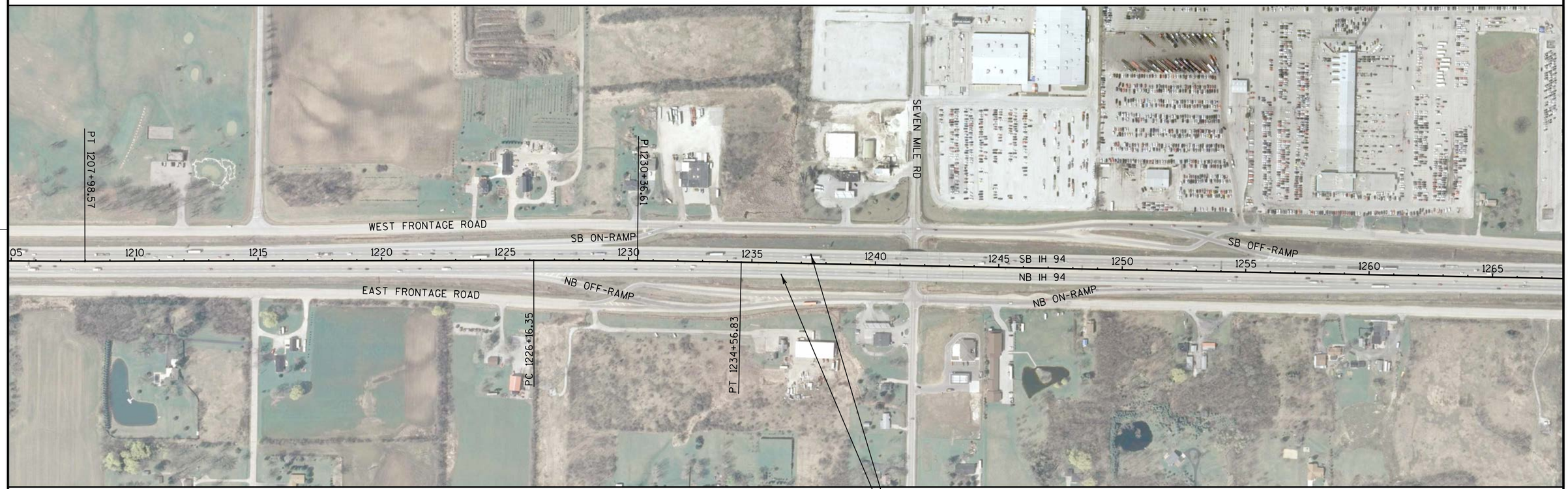

SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"

LANE 1
CONSTRUCTION
-BEGIN MILL AND PAVE INSIDE LANE (LANE 1) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (RACINE COUNTY)

TRAFFIC
IH 94
-TEMPORARY LANE CLOSURE
-TWO LANES OPEN TO TRAFFIC
-ALL EXIT AND ENTRANCE RAMPS ARE OPEN

INTERCHANGES
-ALL INTERCHANGES ARE OPEN

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE	TRAFFIC CONTROL - LANE 1	SHEET E

2

N

SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

SEE CONSTRUCTION DETAIL "TRAFFIC CONTROL FOR ON-RAMP CLOSURE (SHORT TERM ONLY)"

SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

SEE CONSTRUCTION DETAIL "TRAFFIC CONTROL FOR ON-RAMP CLOSURE (SHORT TERM ONLY)"

SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"

LANE 3

CONSTRUCTION
- -BEGIN MILL AND PAVE OUTSIDE LANE (LANE 3) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (RACINE COUNTY)

TRAFFIC

IH 94
- -TEMPORARY LANE CLOSURE
- -TWO LANES OPEN TO TRAFFIC
- -SHORT TERM EXIT AND ENTRANCE RAMP CLOSURES PERMITTED (LESS THAN 30 MIN.)

INTERCHANGES

STH 20, CTH C, WEIGH STATION AND CTH G

SEE SDD "TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE"

SEE CONSTRUCTION DETAIL "TYPICAL ONE LANE CLOSURE"

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE	TRAFFIC CONTROL - LANE 3	SHEET	E

2

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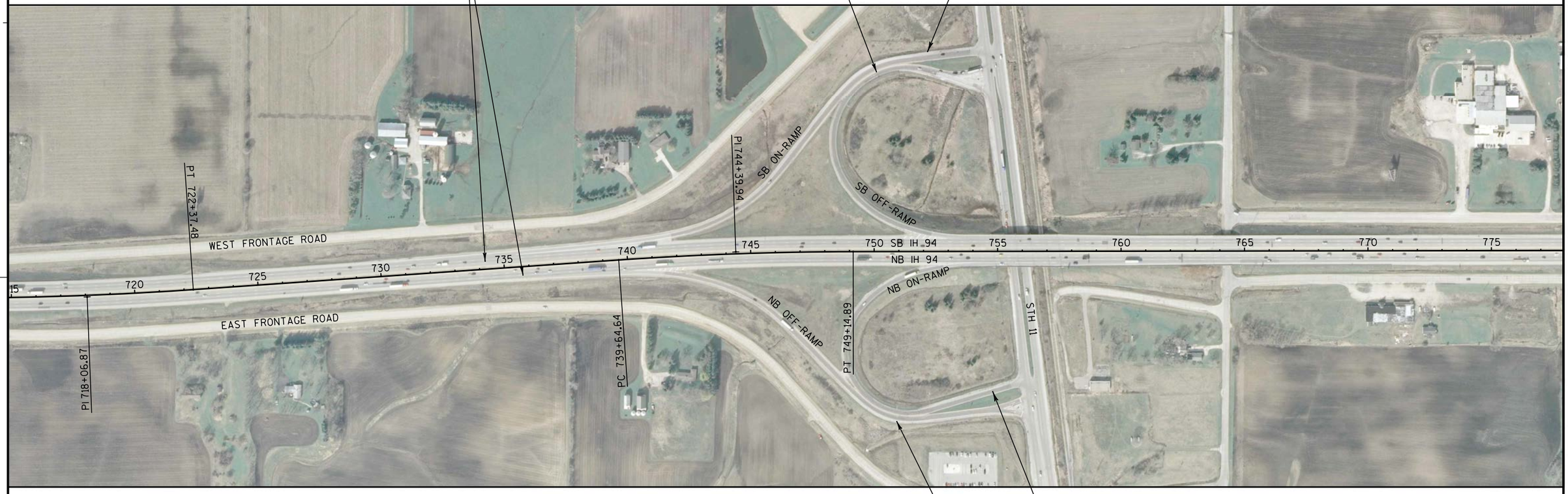
SEE CONSTRUCTION DETAIL, "TYPICAL ONE LANE CLOSURE"



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SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

LANE 3

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PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE	TRAFFIC CONTROL - LANE 3	SHEET	E

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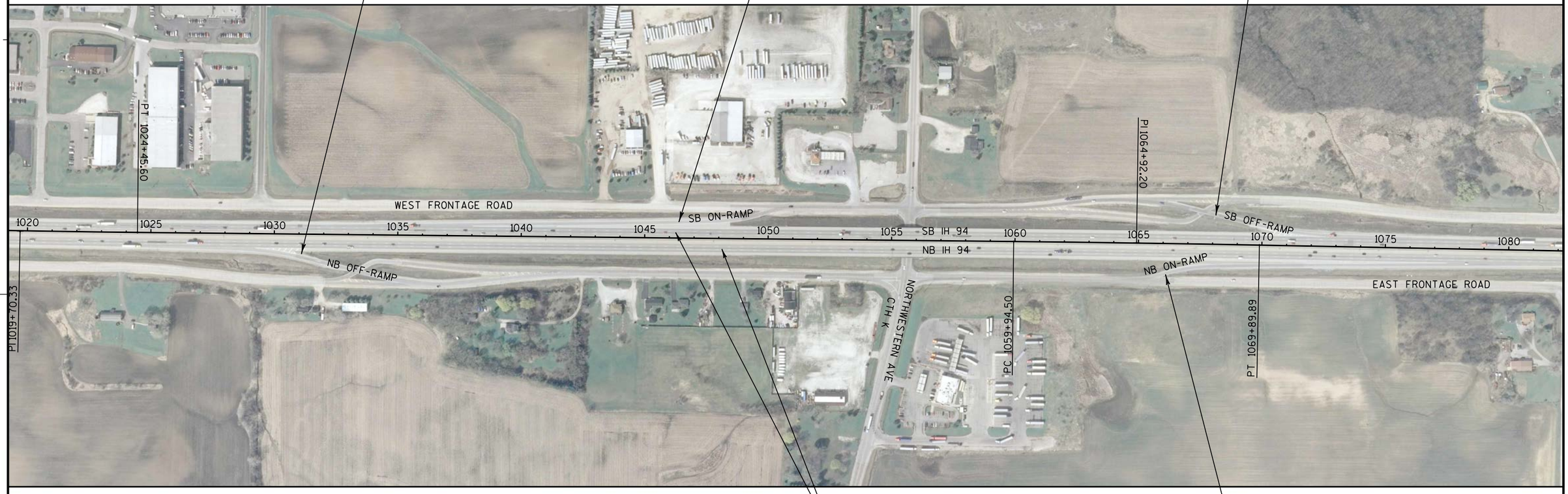

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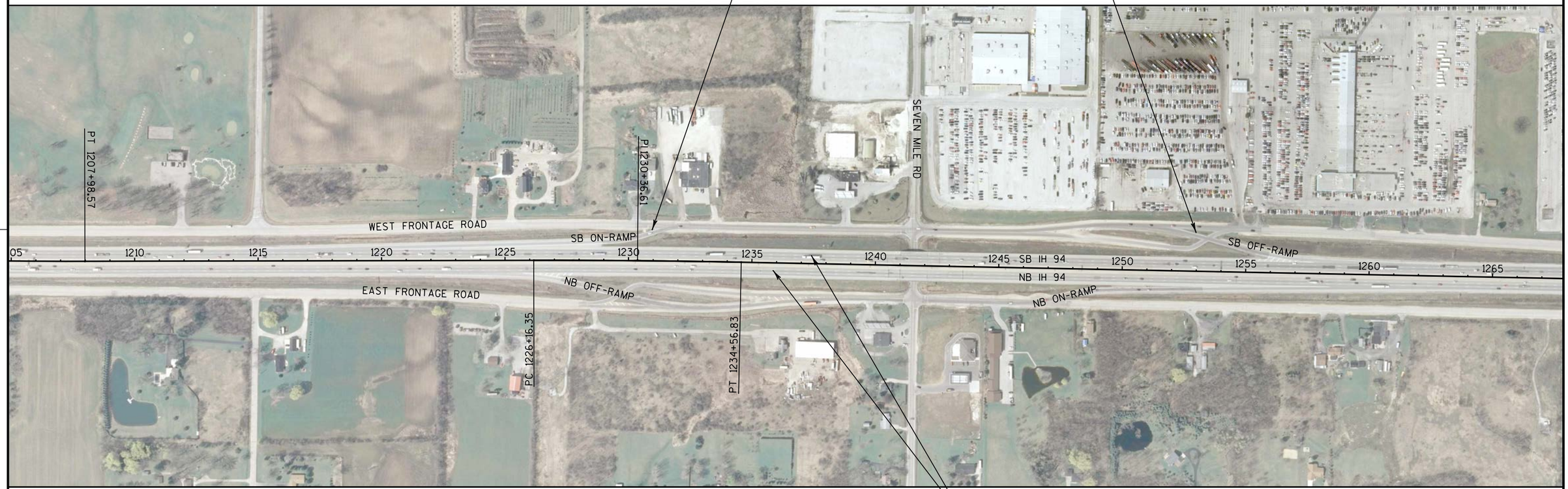

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PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE	TRAFFIC CONTROL - LANE 3	SHEET	E

2

2

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SEE CONSTRUCTION DETAIL "TRAFFIC CONTROL FOR ON-RAMP CLOSURE (SHORT TERM ONLY)"

SEE CONSTRUCTION DETAIL "TYPICAL TWO LANE CLOSURE"

LANE 2 & 3

CONSTRUCTION
- -BEGIN MILL AND PAVE MIDDLE LANE (LANE 2) AND OUTSIDE (LANE 3) IH 94 NORTHBOUND AND SOUTHBOUND DIRECTIONS (RACINE COUNTY)

TRAFFIC

IH 94
- -TEMPORARY LANE CLOSURES
- -ONE LANE OPEN TO TRAFFIC
- -SHORT TERM EXIT AND ENTRANCE RAMP CLOSURES PERMITTED (LESS THAN 30 MIN.)

INTERCHANGES

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PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE	TRAFFIC CONTROL - LANE 2 & 3	SHEET	E

2

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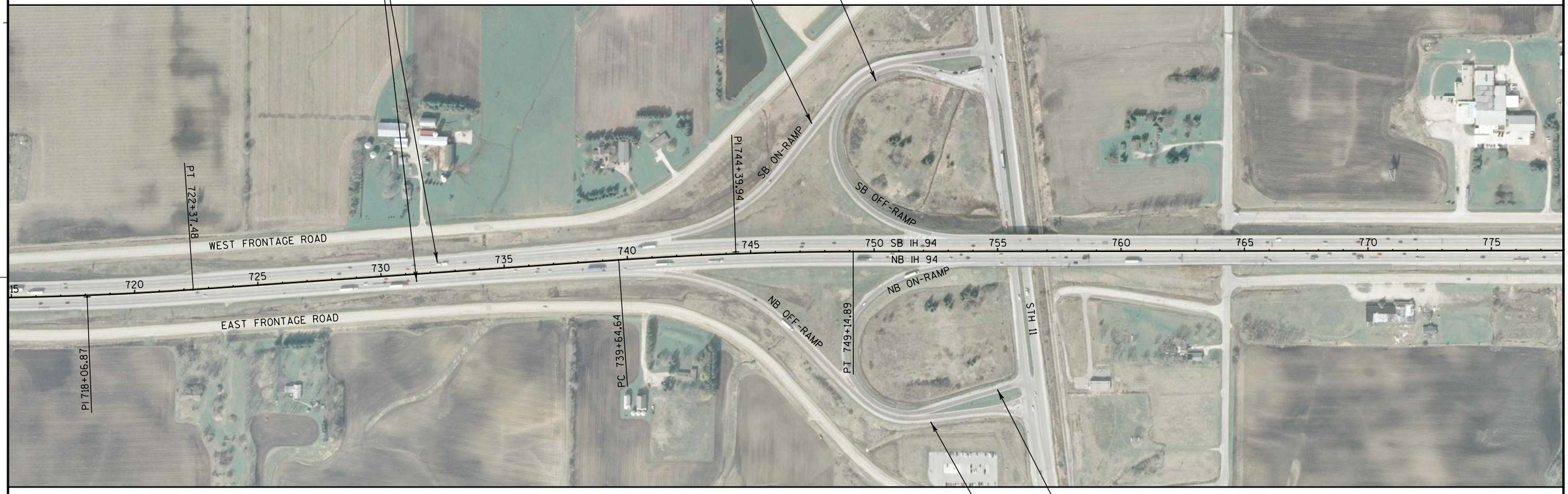

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PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE	TRAFFIC CONTROL - LANE 2 & 3	SHEET	E

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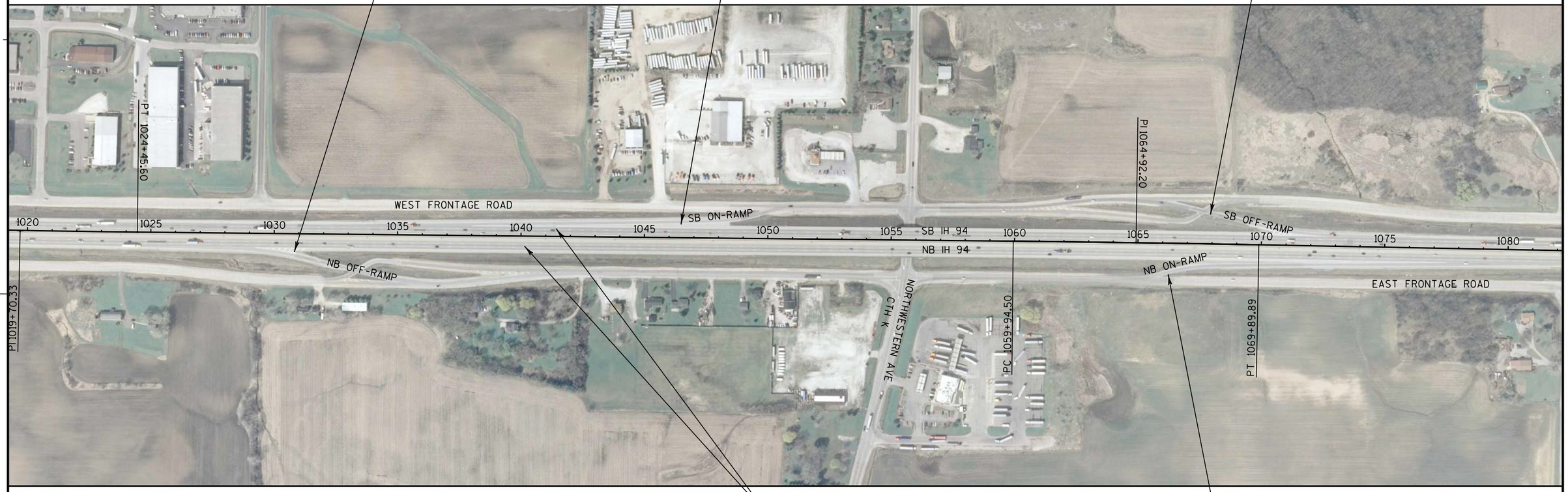

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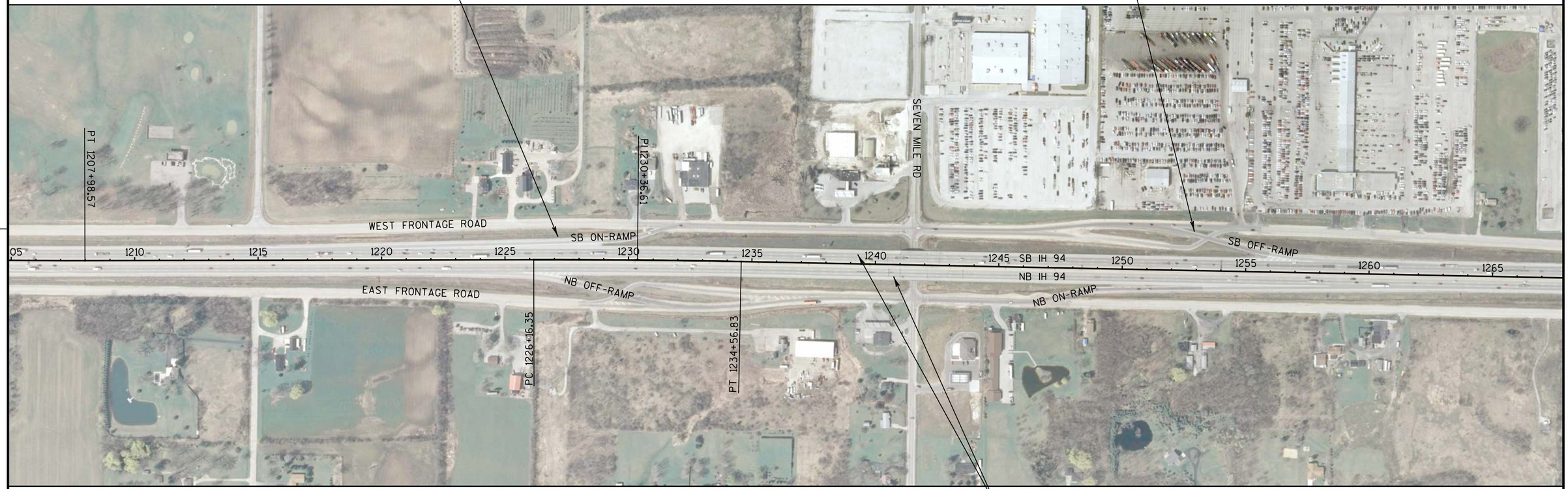

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PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE	TRAFFIC CONTROL - LANE 2 & 3	SHEET	E

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SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

NIGHT TIME RAMP CLOSURE

CONSTRUCTION
- -BEGIN MILL AND PAVE RAMPS
  - CTH KR
    - NORTHBOUND AND SOUTHBOUND EXIT AND ENTRANCE RAMPS
  - STH 11
    - NORTHBOUND AND SOUTHBOUND EXIT AND ENTRANCE RAMPS
  - CTH K
    - NORTHBOUND AND SOUTHBOUND EXIT AND ENTRANCE RAMPS
  - SEVEN MILE ROAD
    - SOUTHBOUND EXIT AND ENTRANCE RAMPS

TRAFFIC
- IH 94
  - -ALL LANES OPEN
  - -NON CONCURRENT OVERNIGHT ENTRANCE AND EXIT RAMP CLOSURES

SEE CONSTRUCTION DETAIL "TRAFFIC CONTROL FOR ON-RAMP CLOSURE (SHORT TERM ONLY)"

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE	TRAFFIC CONTROL - NIGHT TIME RAMP CLOSURE	SHEET	E

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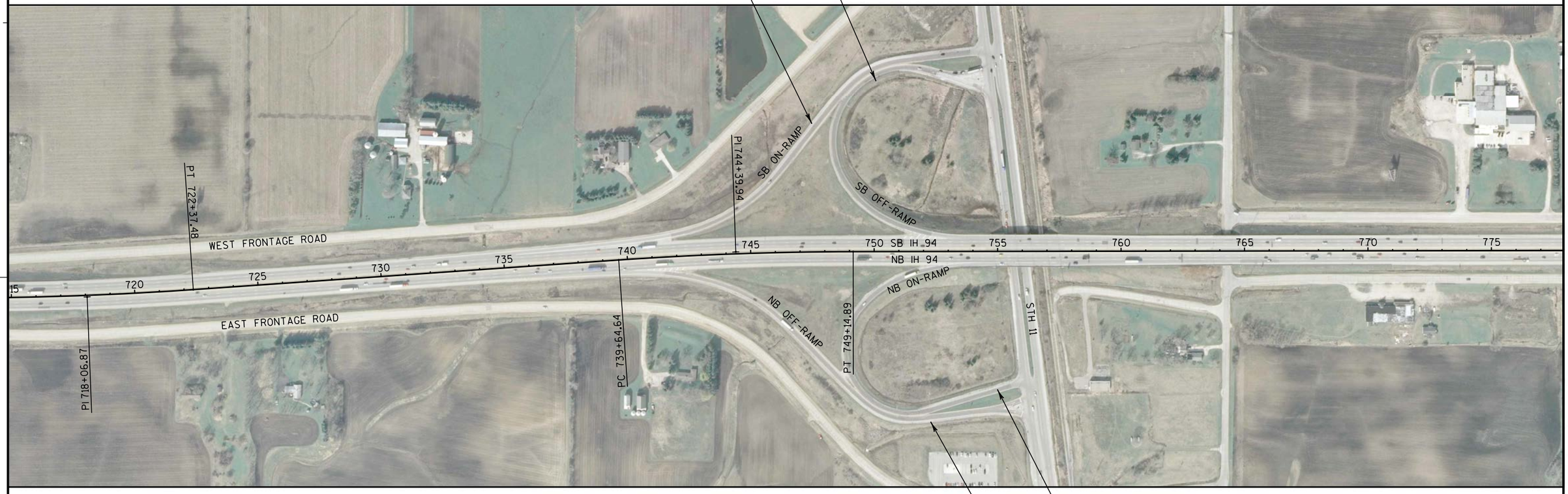

NIGHT TIME RAMP CLOSURE

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  - CTH KR
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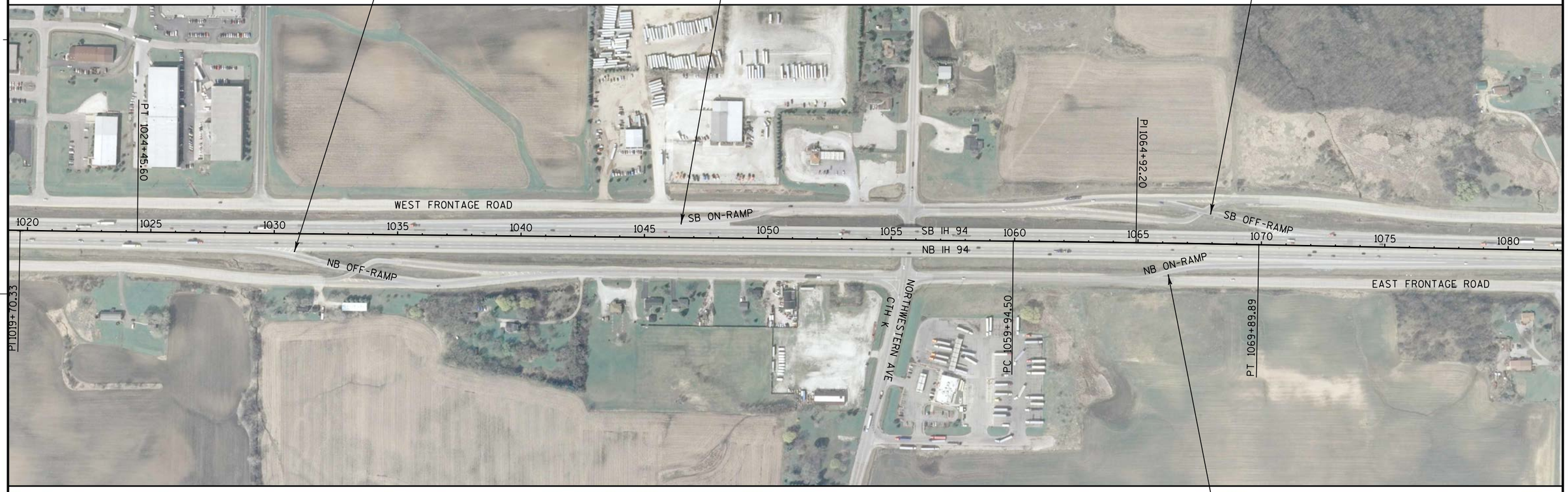

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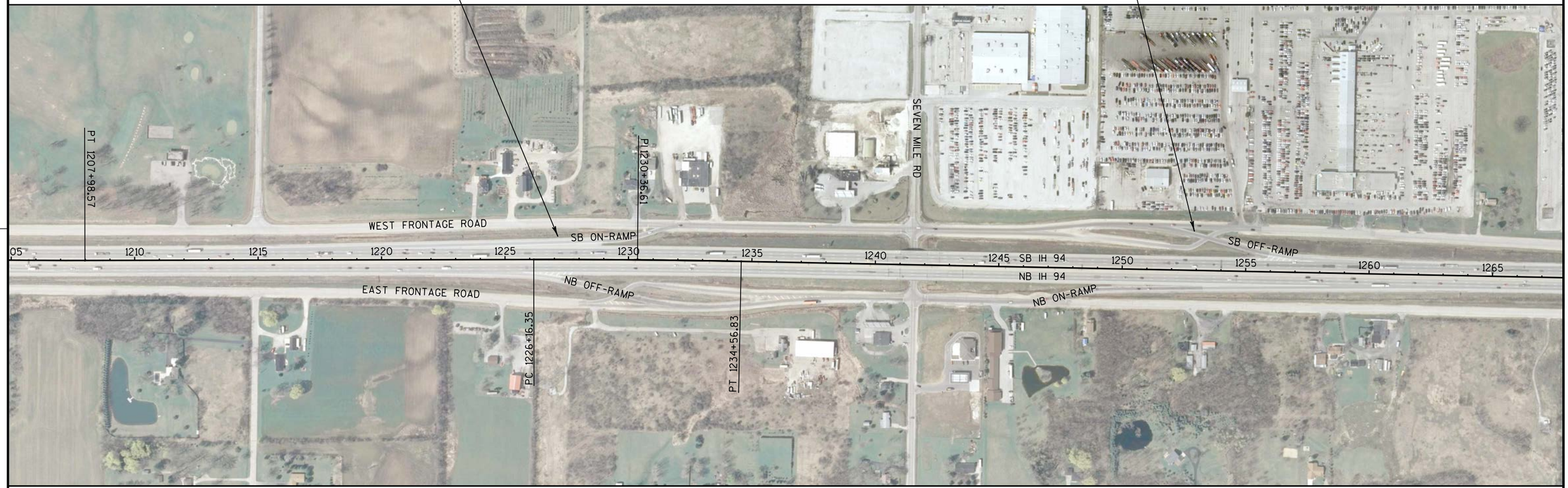

NIGHT TIME RAMP CLOSURE

CONSTRUCTION

-BEGIN MILL AND PAVE RAMPS

CTH KR

NORTHBOUND AND SOUTHBOUND EXIT AND ENTRANCE RAMPS

STH 11

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SOUTHBOUND EXIT AND ENTRANCE RAMPS

TRAFFIC

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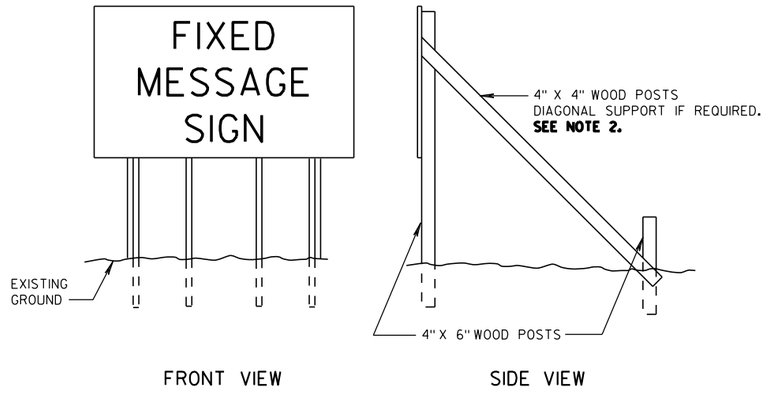


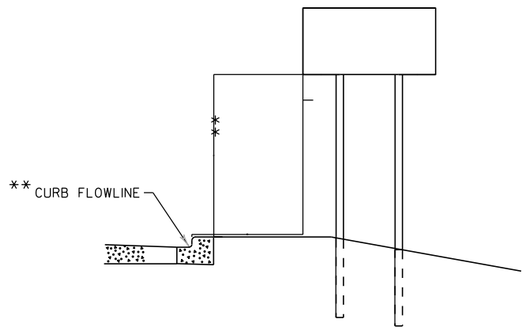
FRONT VIEW SIDE VIEW

NOTES

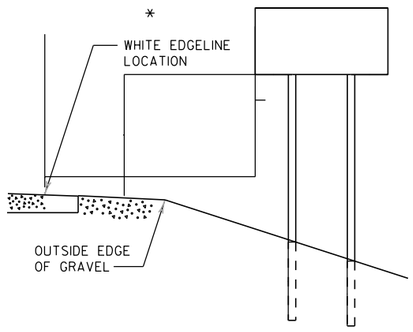
1. SEE TRAFFIC CONTROL SHEETS FOR SIGN LOCATIONS.
2. TWO DIAGONAL SUPPORTS TO BE INCLUDED FOR EACH SIGN OVER 12' LONG AND HIGHER THAN 8'. DIAGONAL SUPPORTS TO BE AFFIXED TO THE OUTSIDE SUPPORTS AND TO BE INCIDENTAL TO THE "TRAFFIC CONTROL FIXED MESSAGE SIGN" ITEM. IF DIAGONAL SUPPORTS ARE USED, SIGN TO BE SHIELDED BEHIND CONCRETE BARRIER OR PLACED OUTSIDE THE CLEAR ZONE.
3. SEE TABLES BELOW FOR REQUIRED NUMBER OF POSTS.

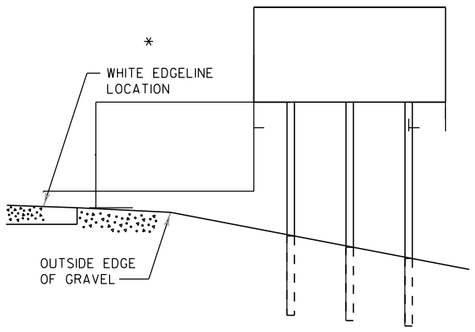
* 6' FROM EDGE OF A PAVED SHOULDER OR 12' FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) OR 2' FROM OUTSIDE EDGE OF GRAVEL, WHICHEVER IS GREATER UNLESS DIRECTED BY PROJECT ENGINEER. SEE NOTE 2 FOR OFFSET REQUIREMENTS WHERE DIAGONAL SUPPORTS ARE USED.

** 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' MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.



URBAN AREA





RURAL AREA

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
GREATER THAN 48" LESS THAN 60"	12"
60" TO 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
GREATER THAN 120" LESS THAN 168"	12"

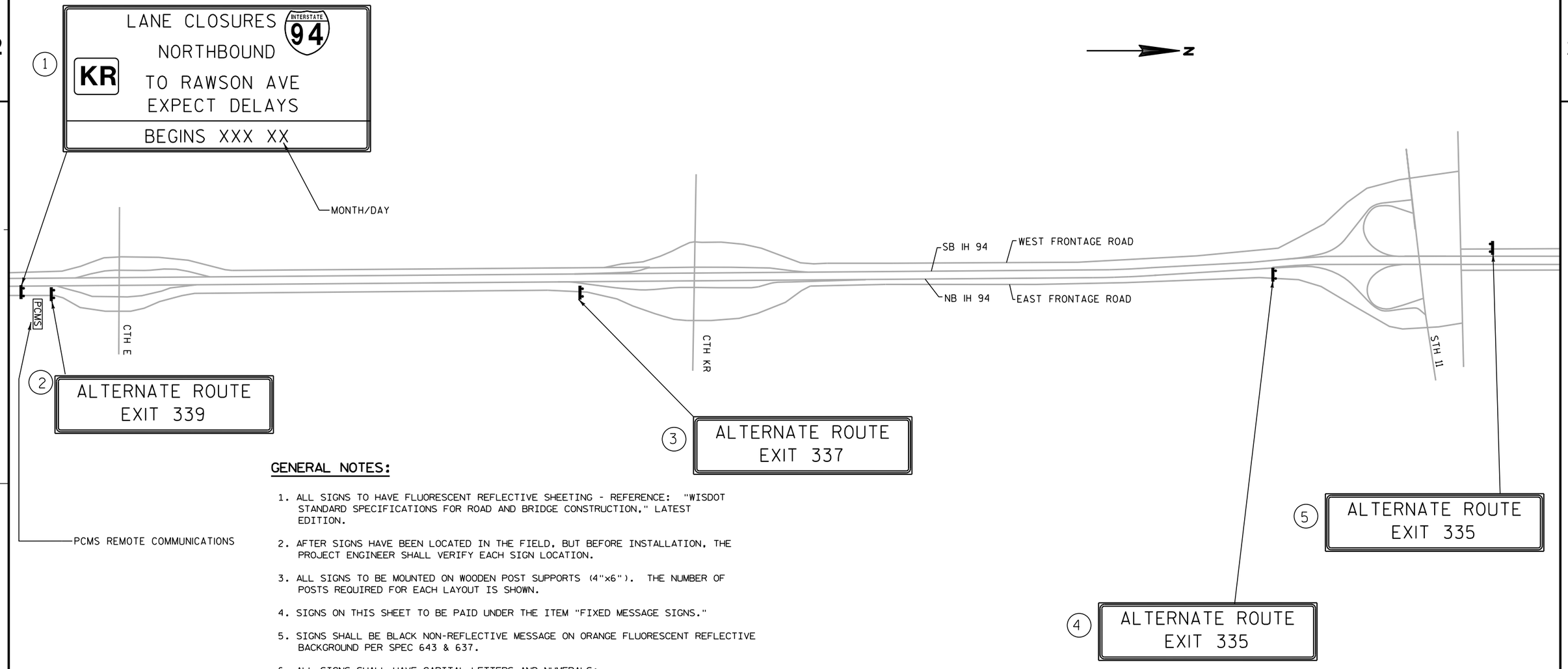
SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" AND GREATER	12"

POST EMBEDMENT DEPTH

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

POST MOUNTING DETAIL FOR TRAFFIC CONTROL FIXED MESSAGE SIGNS

2



GENERAL NOTES:

1. ALL SIGNS TO HAVE FLUORESCENT REFLECTIVE SHEETING - REFERENCE: "WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION.
2. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE PROJECT ENGINEER SHALL VERIFY EACH SIGN LOCATION.
3. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6"). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN.
4. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "FIXED MESSAGE SIGNS."
5. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE FLUORESCENT REFLECTIVE BACKGROUND PER SPEC 643 & 637.
6. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS:
   12" CAPS SHALL BE SERIES "D"
   6" CAPS SHALL BE SERIES "C"
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 MONTH AND DAY SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD.
8. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.
9. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 643 & 637.
10. SIGNS TO BE IN PLACE 10 DAYS PRIOR TO CONSTRUCTION.
11. CONTRACTOR SHOULD LOCATE FIXED MESSAGE SIGNS A MINIMUM OF 400' FROM ANY EXISTING TYPE "I" SIGN.
12. REMOVE ALL FIXED MESSAGE SIGNS AT COMPLETION OF THE INDICATED STAGE WHEN RAMPS ARE OPENED TO TRAFFIC.
13. CONTRACTOR SHALL COVER AS DIRECTED BY THE ENGINEER, ALL CONFLICTING ROUTE MARKINGS PERTAINING TO THIS PLAN.

LEGEND

- PROPOSED FIXED MESSAGE SIGN(S) ON WOOD POST SUPPORTS
- (XX) FIXED MESSAGE SIGN NUMBER
- PCMS PORTABLE CHANGEABLE MESSAGE SIGNS

NOT TO SCALE

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	FIXED MESSAGE SIGNS	SHEET	E

2

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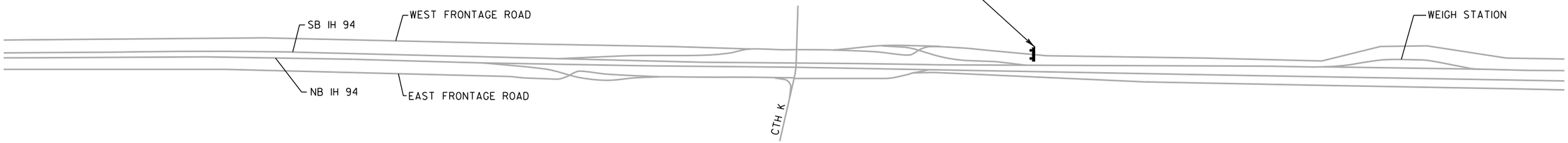
6 ALTERNATE ROUTE EXIT 329



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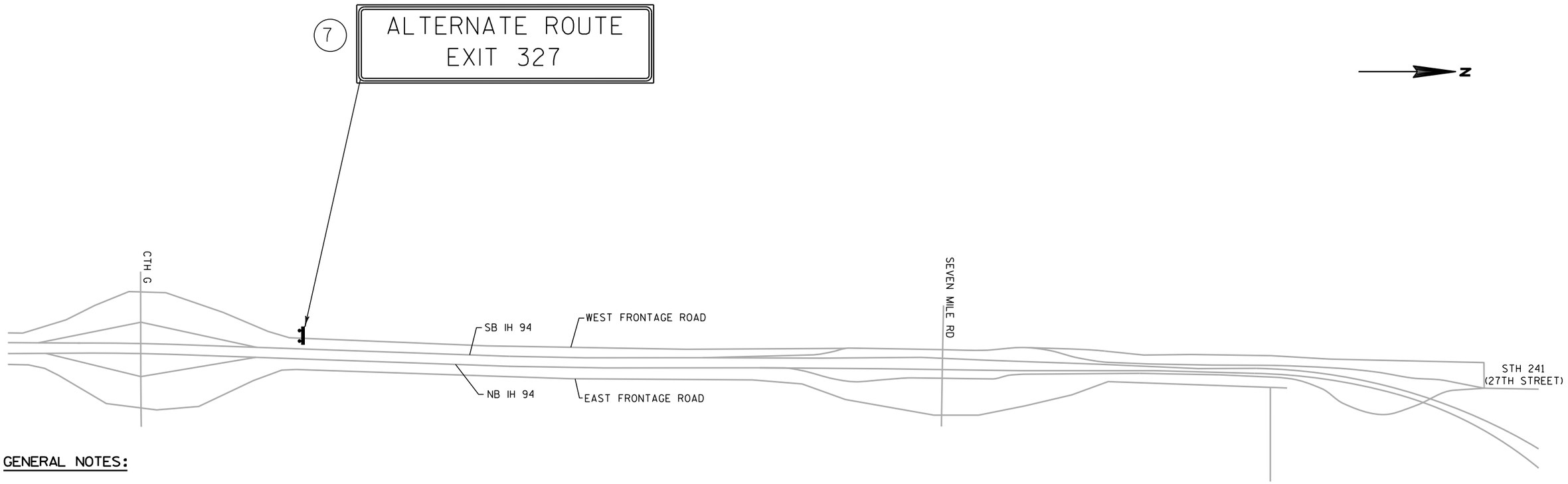
PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	FIXED MESSAGE SIGNS	SHEET	E

2



GENERAL NOTES:

1. ALL SIGNS TO HAVE FLUORESCENT REFLECTIVE SHEETING - REFERENCE: "WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION.

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

3. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6"). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN.

4. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "FIXED MESSAGE SIGNS."

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

6. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS:
   12" CAPS SHALL BE SERIES "D"
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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 MONTH AND DAY SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD.

8. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.

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

10. SIGNS TO BE IN PLACE 10 DAYS PRIOR TO CONSTRUCTION.

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

12. REMOVE ALL FIXED MESSAGE SIGNS AT COMPLETION OF THE INDICATED STAGE WHEN RAMPS ARE OPENED TO TRAFFIC.

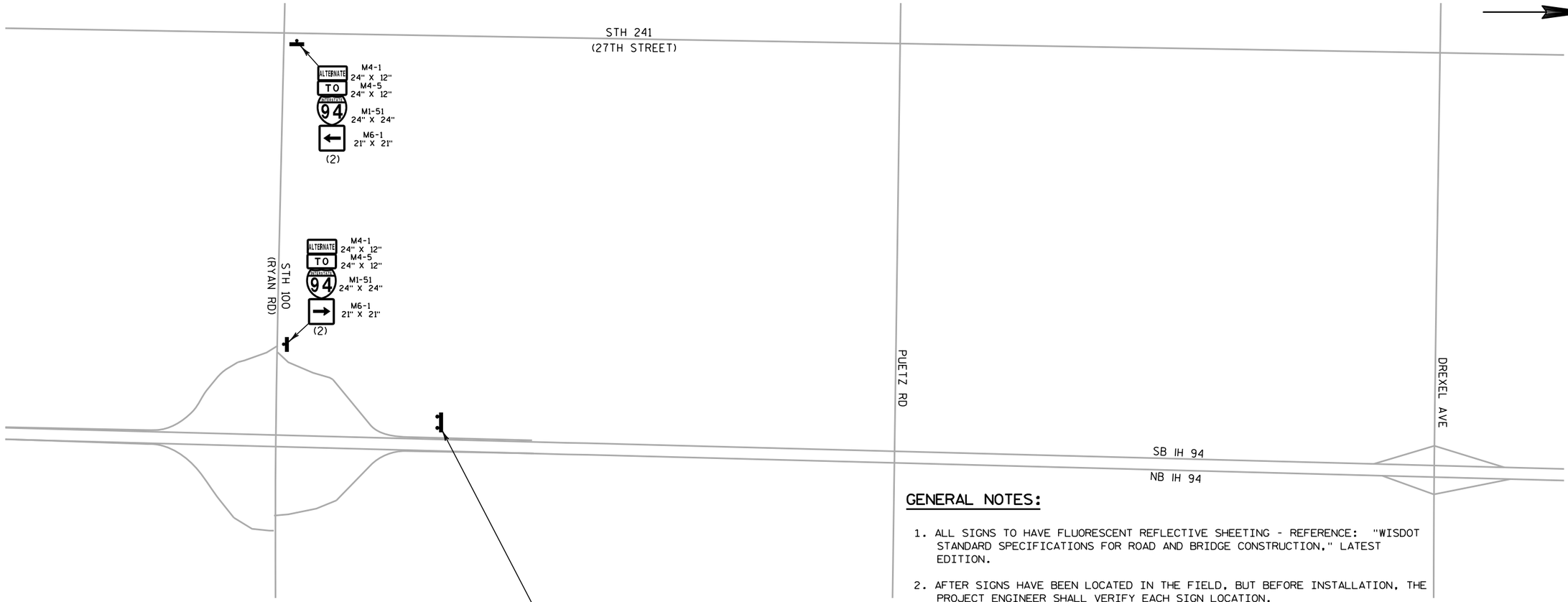
13. CONTRACTOR SHALL COVER AS DIRECTED BY THE ENGINEER, ALL CONFLICTING ROUTE MARKINGS PERTAINING TO THIS PLAN.

LEGEND

- PROPOSED FIXED MESSAGE SIGN(S) ON WOOD POST SUPPORTS
- (XX) FIXED MESSAGE SIGN NUMBER
- PCMS PORTABLE CHANGEABLE MESSAGE SIGNS

NOT TO SCALE

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	FIXED MESSAGE SIGNS	SHEET	E



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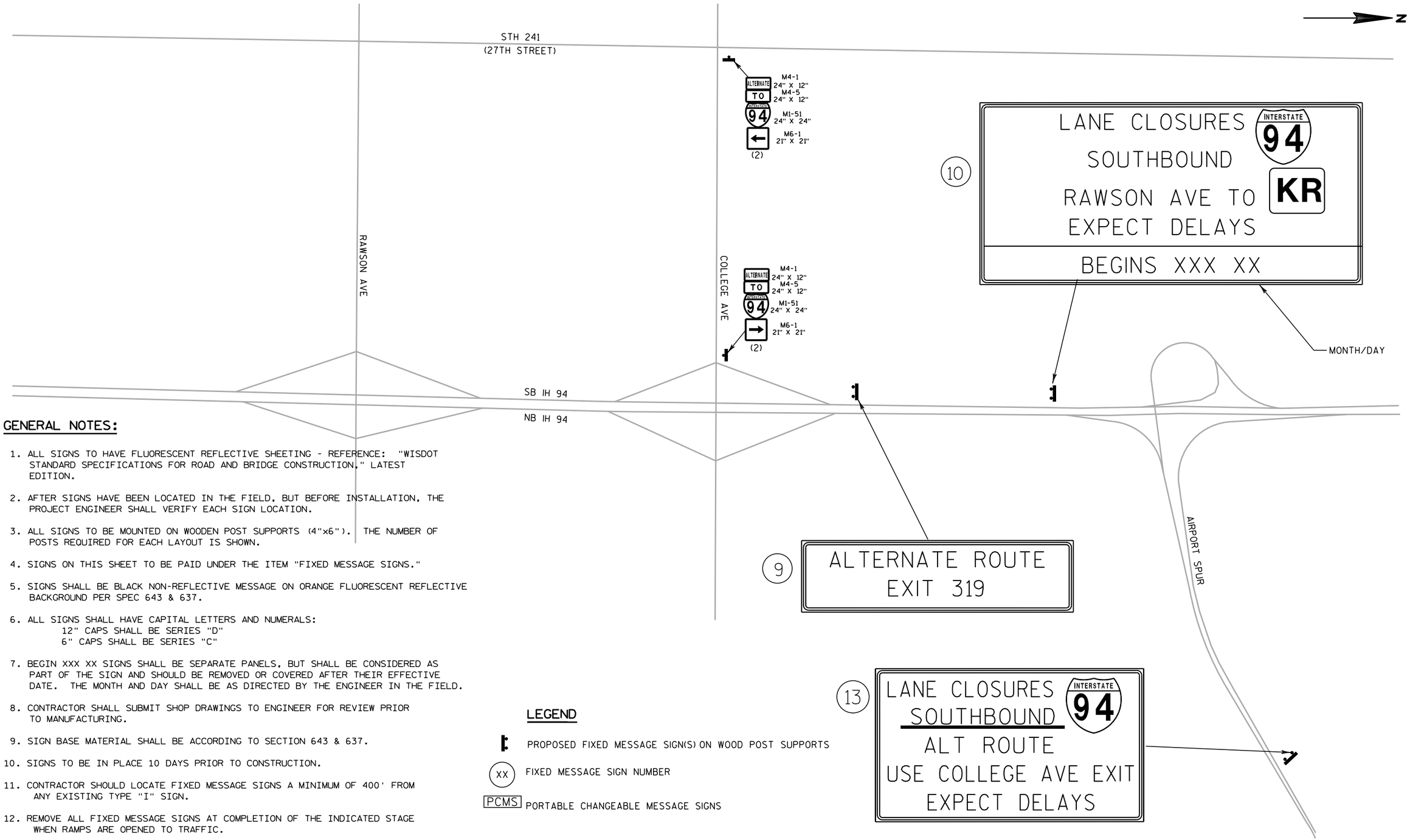
PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	FIXED MESSAGE SIGNS	SHEET	E

2



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- PCMS PORTABLE CHANGEABLE MESSAGE SIGNS

NOT TO SCALE

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	FIXED MESSAGE SIGNS	SHEET	E

2

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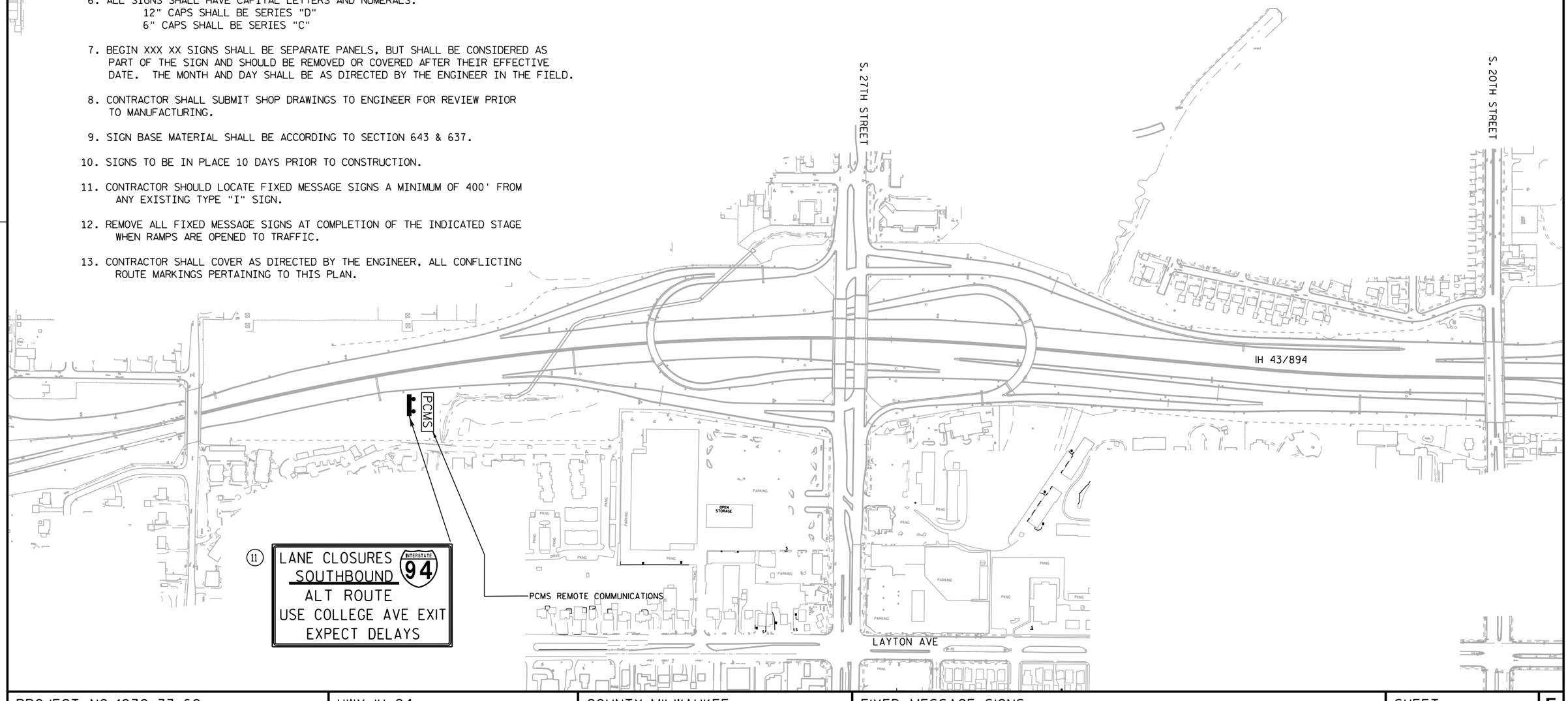


PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: MILWAUKEE	FIXED MESSAGE SIGNS	SHEET	E

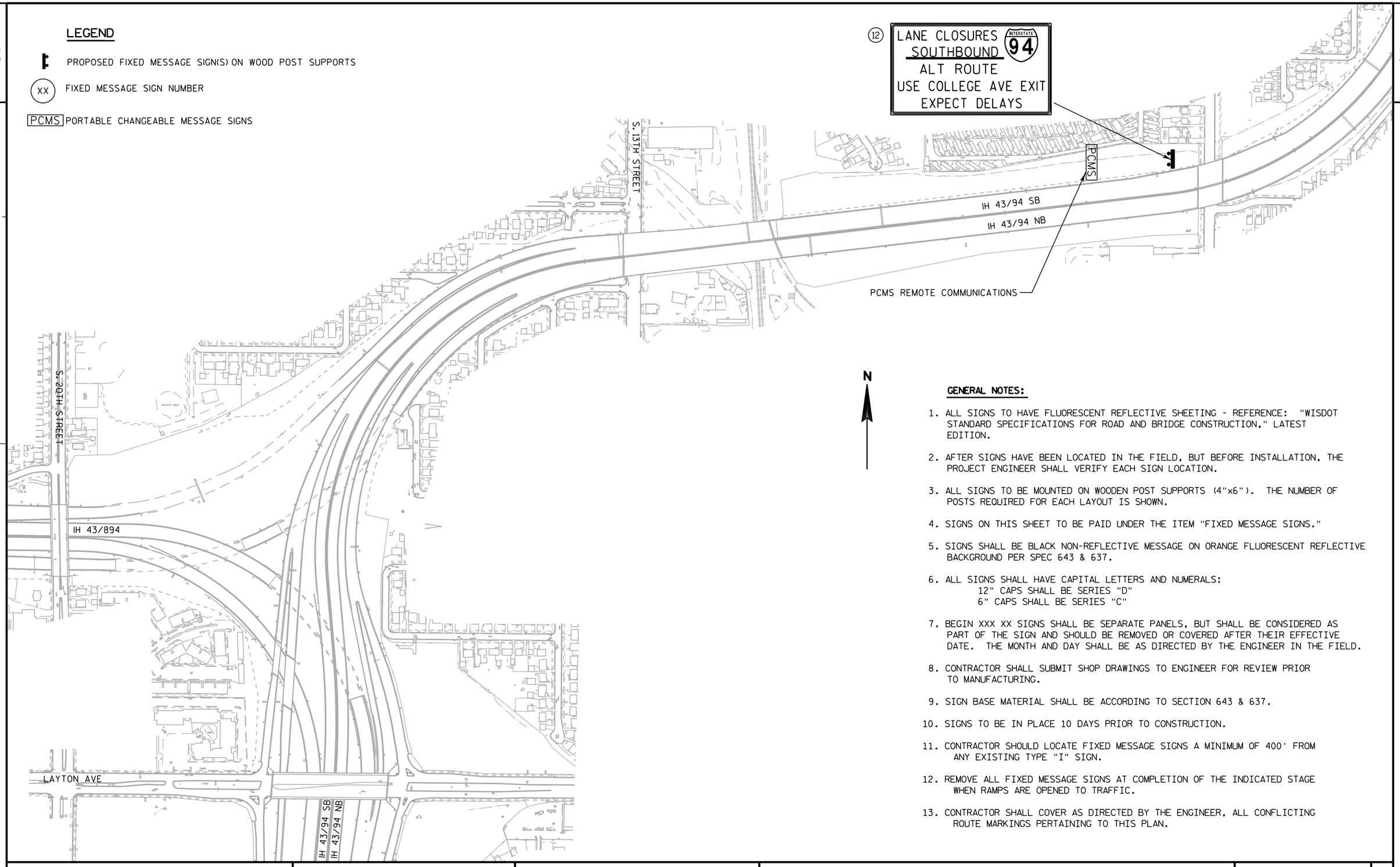
2

LEGEND

PROPOSED FIXED MESSAGE SIGN(S) ON WOOD POST SUPPORTS

(XX) FIXED MESSAGE SIGN NUMBER

PCMS PORTABLE CHANGEABLE MESSAGE SIGNS



2

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PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: MILWAUKEE	FIXED MESSAGE SIGNS	SHEET	E

FIXED MESSAGE SIGNS

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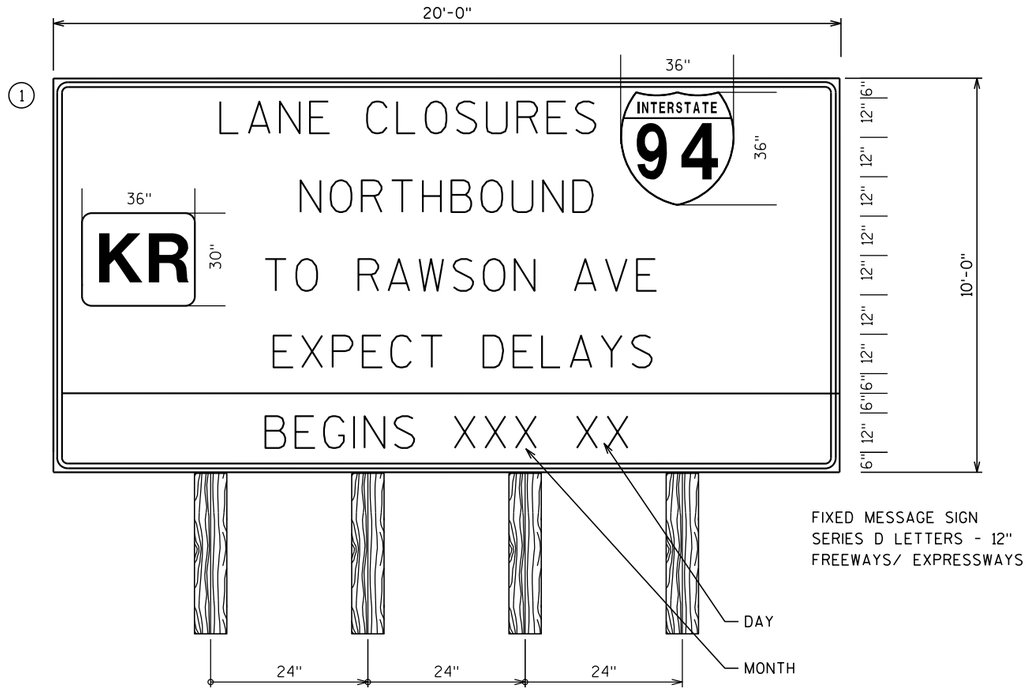
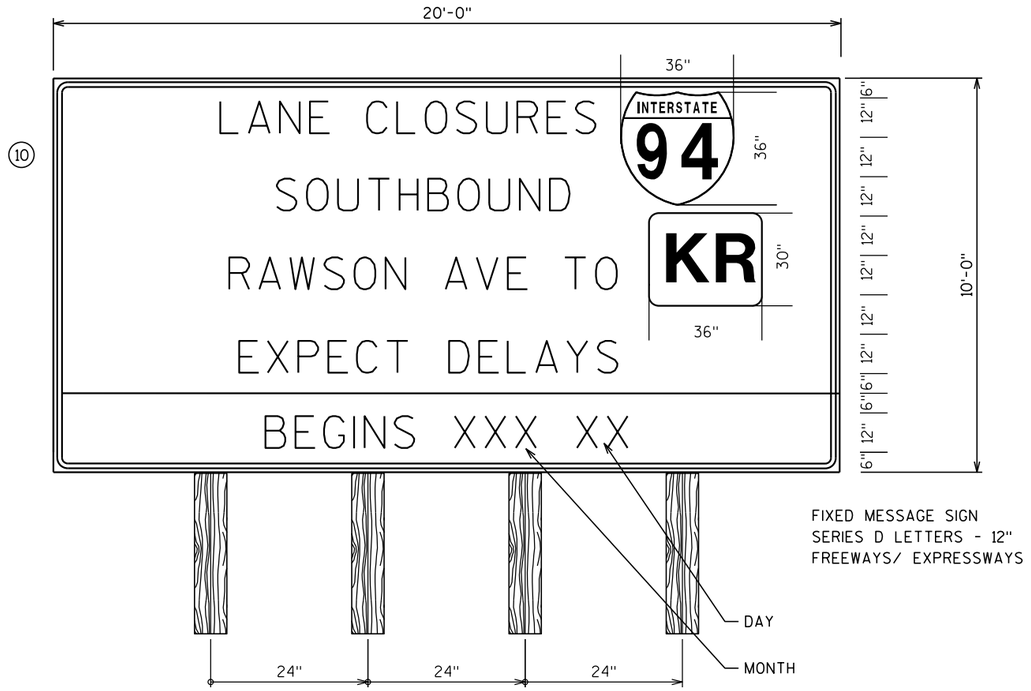


FIXED MESSAGE SIGN
SERIES D LETTERS - 12"
FREEWAYS/ EXPRESSWAYS

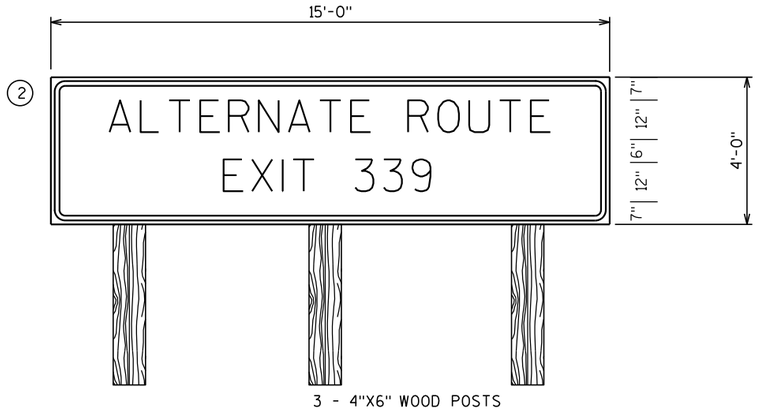


FIXED MESSAGE SIGN
SERIES D LETTERS - 12"
FREEWAYS/ EXPRESSWAYS

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	FIXED MESSAGE SIGN TYPICAL	SHEET	E

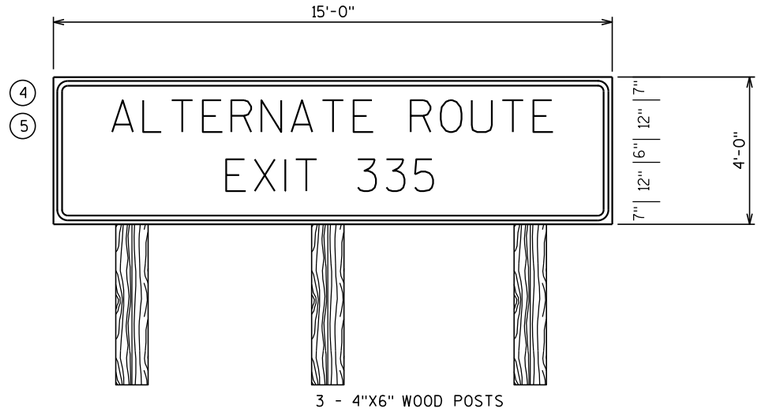
2

(2)



3 - 4"X6" WOOD POSTS

(4)
(5)



3 - 4"X6" WOOD POSTS

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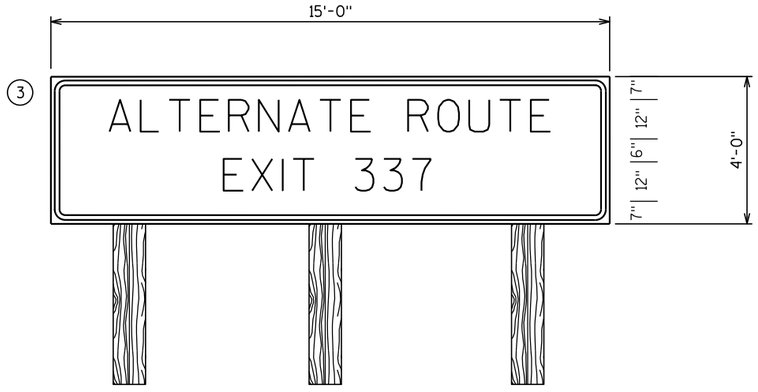
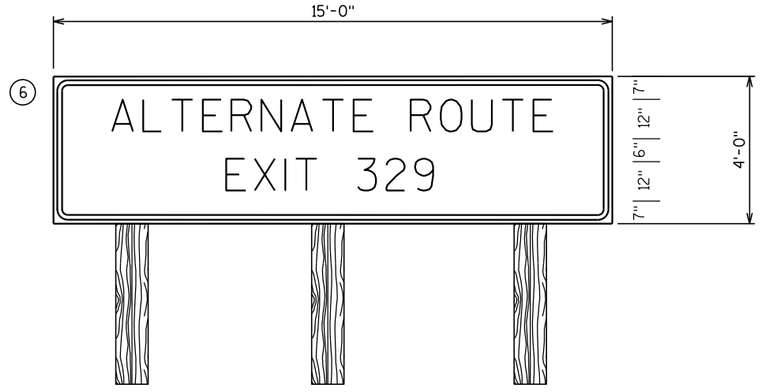


3 - 4"X6" WOOD POSTS

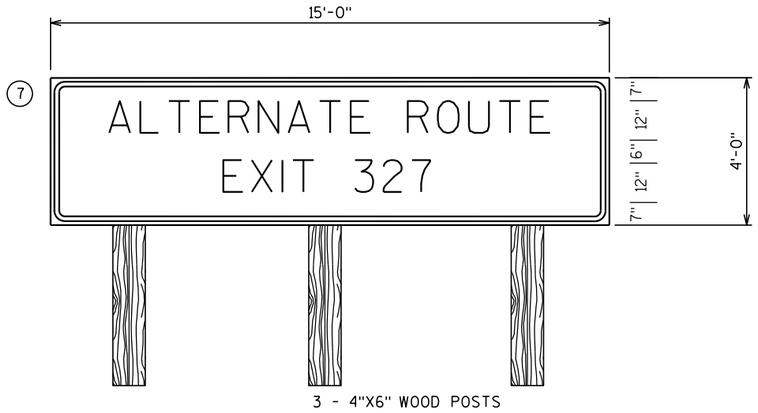
(6)

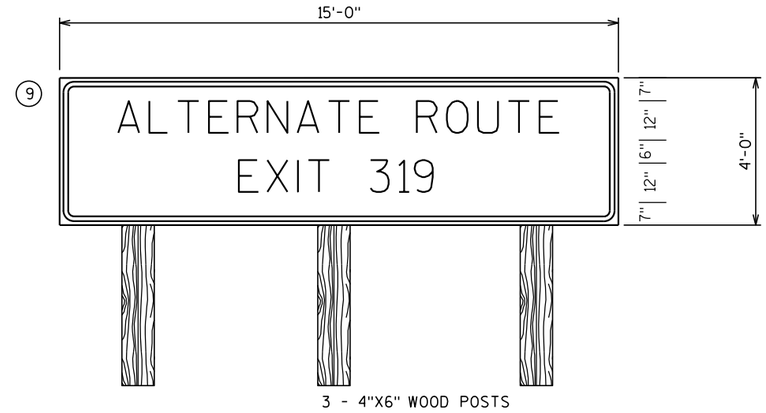


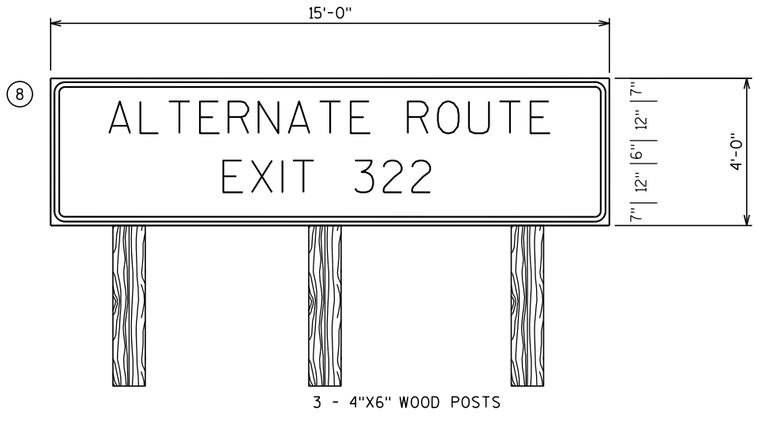
3 - 4"X6" WOOD POSTS

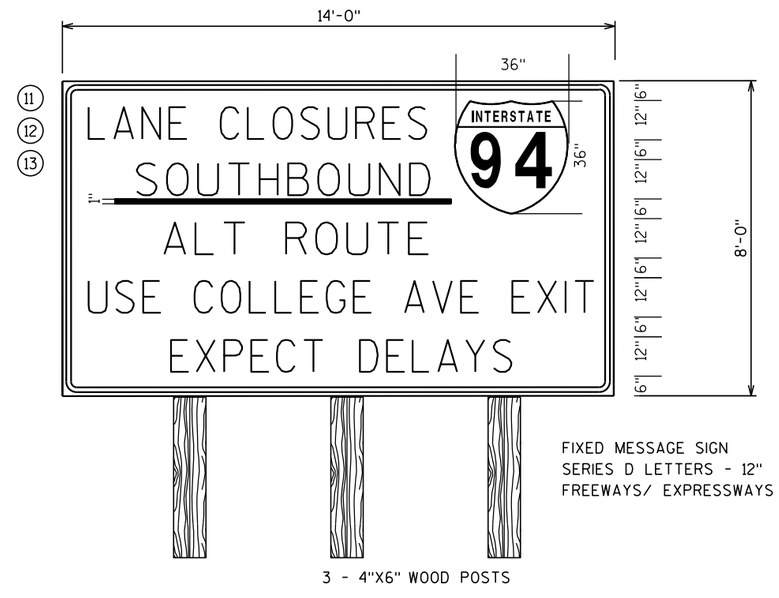
PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	FIXED MESSAGE SIGN TYPICAL	SHEET	E

2









FIXED MESSAGE SIGN
SERIES D LETTERS - 12"
FREEWAYS/ EXPRESSWAYS

PROJECT NO: 1030-33-60	HWY: IH 94	COUNTY: RACINE/MILWAUKEE	FIXED MESSAGE SIGN TYPICAL	SHEET	E

DATE 17JAN14 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1030-33-60 QUANTITY
0010	108.4400	CPM PROGRESS SCHEDULE	EACH	1.000	1.000
0020	204.0115	REMOVING ASPHALTIC SURFACE BUTT JOINTS	SY	8,000.000	8,000.000
0030	204.0120	REMOVING ASPHALTIC SURFACE MILLING	SY	630,307.000	630,307.000
0040	213.0100	FINISHING ROADWAY (PROJECT) 0001. 1030-33-60	EACH	1.000	1.000
0050	390.0203	BASE PATCHING ASPHALTIC	SY	6,383.000	6,383.000
0060	455.0115	ASPHALTIC MATERIAL PG64-22	TON	4,176.000	4,176.000
0070	455.0605	TACK COAT	GAL	16,506.000	16,506.000
0080	460.1110	HMA PAVEMENT TYPE E-10	TON	75,930.000	75,930.000
0090	619.1000	MOBILIZATION	EACH	1.000	1.000
0100	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	1.000	1.000
0110	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	4.000	4.000
0120	628.7010	INLET PROTECTION TYPE B	EACH	403.000	403.000
0130	628.7020	INLET PROTECTION TYPE D	EACH	120.000	120.000
0140	634.0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	119.000	119.000
0150	635.0200	SIGN SUPPORTS STRUCTURAL STEEL HS	LB	12,400.000	12,400.000
0160	635.0300	SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS	EACH	12.000	12.000
0170	636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	19.600	19.600
0180	636.0500	SIGN SUPPORTS STEEL REINFORCEMENT	LB	1,150.000	1,150.000
0190	637.1220	SIGNS TYPE I REFLECTIVE SH	SF	3,919.000	3,919.000
0200	637.2210	SIGNS TYPE II REFLECTIVE H	SF	1,450.000	1,450.000
0210	637.2230	SIGNS TYPE II REFLECTIVE F	SF	387.500	387.500
0220	638.2102	MOVING SIGNS TYPE II	EACH	2.000	2.000
0230	638.2601	REMOVING SIGNS TYPE I	EACH	27.000	27.000
0240	638.2602	REMOVING SIGNS TYPE II	EACH	180.000	180.000
0250	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	142.000	142.000
0260	638.3100	REMOVING STRUCTURAL STEEL SIGN SUPPORTS	EACH	20.000	20.000
0270	642.5401	FIELD OFFICE TYPE D	EACH	1.000	1.000
0280	643.0200	TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE (PROJECT) 0001. 1030-33-60	DAY	89.000	89.000
0290	643.0300	TRAFFIC CONTROL DRUMS	DAY	116,187.000	116,187.000
0300	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	12,567.000	12,567.000
0310	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	3,044.000	3,044.000
0320	643.0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	7,469.000	7,469.000
0330	643.0800	TRAFFIC CONTROL ARROW BOARDS	DAY	432.000	432.000
0340	643.0900	TRAFFIC CONTROL SIGNS	DAY	23,891.000	23,891.000
0350	643.0920	TRAFFIC CONTROL COVERING SIGNS TYPE II	EACH	46.000	46.000
0360	643.1000	TRAFFIC CONTROL SIGNS FIXED MESSAGE	SF	932.000	932.000
0370	643.1050	TRAFFIC CONTROL SIGNS PCMS	DAY	966.000	966.000
0380	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	316,450.000	316,450.000
0390	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	370.000	370.000
0400	646.0600	REMOVING PAVEMENT MARKINGS	LF	1,414.000	1,414.000
0410	646.0841.S	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH	LF	77,802.000	77,802.000
0420	646.0843.S	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH	LF	26,348.000	26,348.000
0430	647.0746	PAVEMENT MARKING DIAGONAL EPOXY 24-INCH	LF	855.000	855.000
0440	649.0100	TEMPORARY PAVEMENT MARKING 4-INCH	LF	93,862.000	93,862.000
0450	649.0400	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH	LF	7,700.000	7,700.000
0460	649.0801	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH	LF	8,400.000	8,400.000
0470	690.0150	SAWING ASPHALT	LF	3,664.000	3,664.000
0480	SPV.0045	SPECIAL 0001. PCMS REMOTE COMMUNICATION	DAY	213.000	213.000

3

DATE 17JAN14 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1030-33-60 QUANTITY
0490	SPV.0060	SPECIAL 0001. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2	EACH	2.000	2.000
0500	SPV.0060	SPECIAL 0002. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE3	EACH	1.000	1.000
0510	SPV.0060	SPECIAL 0003. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 4	EACH	7.000	7.000
0520	SPV.0060	SPECIAL 0004. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS	EACH	2.000	2.000
0530	SPV.0060	SPECIAL 0005. RAISED PAVEMENT MARKERS	EACH	42.000	42.000
0540	SPV.0090	SPECIAL 0001. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH	LF	192.000	192.000
0550	SPV.0105	SPECIAL 0001. PAVEMENT CLEANUP PROJECT1030-33-60	LS	1.000	1.000
0560	SPV.0195	SPECIAL 0001. HMA LONGITUDINAL JOINT REPAIR	TON	1,000.000	1,000.000

REMOVING PAVEMENT

CATEGORY	STATION	LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY
1000	633+00 - 657+60	SB ON RAMP	--	3,360
	635+60 - 657+60	NB OFF RAMP	--	3,026
	658+00 - 104+58.21	NB	2,400	--
	658+00 - 105+00	SB	2,400	--
	658+20 - 680+00	SB OFF RAMP	--	2,956
	658+20 - 667+05	NB ON RAMP	--	1,379
	659+20 - 710+01	MAINLINE	--	40,720
	712+44 - 754+09	MAINLINE	--	33,320
	741+45 - 756+00	NB OFF RAMP	--	3,827
	741+79 - 754+20	SB ON RAMP	--	3,227
	752+27 - 754+25	SB OFF RAMP	--	3,194
	752+75 - 755+50	NB ON RAMP	--	3,156
	758+19 - 763+05	MAINLINE	--	3,888
	765+47 - 822+00	MAINLINE	--	45,224
	901+35 - 922+36	MAINLINE	--	16,808
	924+77 - 1001+85	MAINLINE	--	61,664
	1004+18 - 1054+32	MAINLINE	--	40,112
	1048+88 - 1055+45	SB ON RAMP	--	1,851
	1051+20 - 1055+25	NB OFF RAMP	--	1,050
	1056+45 - 1069+60	SB OFF RAMP	--	2,110
	1056+95 - 1130+84	MAINLINE	--	59,112
	1065+00 - 1083+50	NB ON RAMP	--	2,609
	1189+01 - 1267+30.87	MAINLINE	--	62,240
	1237+25 - 1241+85	SB ON RAMP	--	716
	1241+85 - 1255+88	SB OFF RAMP	--	3,000
	104+58.21 - 125+13	NB	--	8,220
	104+58.21 - 418+00	NB	1,600	--
	105+00 - 418+00	SB	1,600	--
	105+00 - 126+00	SB	--	8,400
	128+97 - 130+75	NB	--	712
	129+90 - 131+72	SB	--	728
	135+61 - 194+36	NB	--	2,350
	136+08 - 194+36	SB	--	23,312
	196+51 - 235+17	MAINLINE	--	30,928
	237+49 - 432+00	NB	--	77,804
	237+49 - 435+75	SB	--	79,304
	TOTALS:		8,000	630,307

SAW CUTTING ITEMS

CATEGORY	STATION	LOCATION	690.0150 SAWING ASPHALT LF
1000	633+00 - 657+60	SB ON RAMP	612
	635+60 - 657+60	NB OFF RAMP	612
	658+20 - 680+00	SB OFF RAMP	12
	658+20 - 667+05	NB ON RAMP	24
	659+20 - 710+01	MAINLINE	144
	712+44 - 754+09	MAINLINE	144
	741+45 - 756+00	NB OFF RAMP	36
	741+79 - 754+20	SB ON RAMP	24
	752+27 - 754+25	SB OFF RAMP	36
	752+75 - 755+50	NB ON RAMP	24
	758+19 - 763+05	MAINLINE	144
	765+47 - 822+00	MAINLINE	144
	901+35 - 922+36	MAINLINE	144
	924+77 - 1001+85	MAINLINE	144
	1004+18 - 1054+32	MAINLINE	144
	1048+88 - 1055+45	SB ON RAMP	48
	1051+20 - 1055+25	NB OFF RAMP	36
	1056+45 - 1069+60	SB OFF RAMP	24
	1056+95 - 1130+84	MAINLINE	144
	1065+00 - 1083+50	NB ON RAMP	100
	1189+01 - 1267+30.87	MAINLINE	144
	1237+25 - 1241+85	SB ON RAMP	24
	1241+85 - 1255+88	SB OFF RAMP	36
	104+58.21 - 125+13	NB	72
	105+00 - 126+00	SB	72
	128+97 - 130+75	NB	72
	129+90 - 131+72	SB	72
	135+61 - 194+36	NB	72
	136+08 - 194+36	SB	72
	196+51 - 235+17	MAINLINE	144
	237+49 - 432+00	NB	72
	237+49 - 435+75	SB	72
	TOTALS:		3,664

BASE PATCHING

CATEGORY	LOCATION	390.0203 BASE PATCHING ASPHALTIC SY	SPV.0195.0001 HMA LONGITUDINAL JOINT REPAIR TON
1000	UNDISTRIBUTED	6,383	1,000
	TOTALS:	6,383	1,000

ASPHALTIC PAVEMENT ITEMS

CATEGORY	STATION	LOCATION	455.0115 ASPHALTIC MATERIAL PG64-22 TON	455.0605 TACK COAT GAL	460.1110 HMA PAVEMENT TYPE E-10 TON
1000	635+00 - 657+60	SB ON RAMP	21	84	386
	635+60 - 657+60	NB OFF RAMP	19	76	348
	658+20 - 680+00	SB OFF RAMP	19	74	340
	658+20 - 667+05	NB ON RAMP	9	34	159
	658+70 - 710+51	MAINLINE	263	1,038	4,775
	711+94 - 754+59	MAINLINE	216	853	3,924
	741+45 - 756+00	NB OFF RAMP	24	96	440
	741+79 - 754+20	SB ON RAMP	20	81	371
	752+27 - 754+25	SB OFF RAMP	20	80	367
	752+75 - 755+50	NB ON RAMP	20	79	363
	757+69 - 763+55	MAINLINE	30	117	539
	764+97 - 822+00	MAINLINE	289	1,141	5,247
	901+35 - 922+86	MAINLINE	109	430	1,979
	924+27 - 1002+35	MAINLINE	395	1,562	7,183
	1003+68 - 1054+82	MAINLINE	259	1,023	4,705
	1048+88 - 1055+45	SB ON RAMP	12	46	213
	1051+20 - 1055+25	NB OFF RAMP	7	26	121
	1056+45 - 1069+60	SB OFF RAMP	13	53	243
	1056+45 - 1130+84	MAINLINE	376	1,488	6,844
	1065+00 - 1083+50	NB ON RAMP	17	65	300
	1189+01 - 1267+30.87	MAINLINE	396	1,566	7,204
	1237+25 - 1241+85	SB ON RAMP	5	18	82
	1241+85 - 1255+88	SB OFF RAMP	19	75	345
	104+58.21 - 125+63	NB	55	216	991
	105+00 - 126+50	SB	56	220	1,012
	128+47 - 131+25	NB	7	28	128
	129+40 - 132+22	SB	7	28	130
	135+11 - 194+36	NB	150	593	2,726
	136+08 - 194+36	SB	149	588	2,704
	196+01 - 235+67	MAINLINE	201	793	3,649
	236+99 - 432+00	NB	493	1,950	8,970
	236+99 - 435+75	SB	503	1,988	9,143
	TOTALS:		4,176	16,506	75,930

EROSION CONTROL

CATEGORY	STATION*	LOCATION*	628.7010 INLET PROTECTION TYPE B EACH	628.7020 INLET PROTECTION TYPE D EACH
1000	661+50	2' LT	2	--
	666+00	2' LT	2	--
	669+50	2' LT	--	2
	671+00	2' LT	--	2
	672+50	2' LT	--	2
	674+00	2' LT	--	2
	677+00	2' LT	2	--
	680+00	2' LT	2	--
	683+00	2' LT	2	--
	686+45	2' LT	2	--
	689+80	2' LT	2	--
	694+00	2' LT	2	--
	697+95	2' LT	2	--
	701+00	2' LT	2	--
	704+00	2' LT	2	--
	707+00	2' LT	2	--
	718+00	2' LT	2	--
	722+00	2' LT	2	--
	725+00	2' LT	2	--
	728+50	2' LT	--	2
	730+00	2' LT	--	2
	733+00	2' LT	--	2
	737+00	2' LT	2	--
	740+00	2' LT	2	--
	744+00	2' LT	2	--
	753+00	2' LT	2	--
	763+50	2' LT	2	--
	768+00	2' LT	2	--
	772+00	2' LT	2	--
	775+00	2' LT	2	--
	777+00	2' LT	2	--
	779+50	2' LT	2	--
	782+00	2' LT	2	--
	784+50	2' LT	2	--
	787+00	2' LT	2	--
	790+00	2' LT	2	--
	793+00	2' LT	2	--
	796+00	2' LT	2	--
	799+00	2' LT	2	--
	801+00	2' LT	--	2
SUBTOTALS:			64	16

* STATIONS AND LOCATIONS OF INLETS SHALL BE FIELD VERIFIED.

EROSION CONTROL (CONTINUED)

CATEGORY	STATION*	LOCATION*	628.7010 INLET PROTECTION TYPE B EACH	628.7020 INLET PROTECTION TYPE D EACH
1000	803+00	2' LT	--	2
	805+50	2' LT	--	2
	807+00	2' LT	--	2
	809+00	2' LT	--	2
	917+70	2' LT	2	--
	928+70	2' LT	2	--
	934+80	2' LT	2	--
	937+80	2' LT	2	--
	941+55	2' LT	2	--
	945+75	2' LT	2	--
	949+80	2' RT	--	2
	954+80	2' RT	--	2
	955+75	2' RT	--	2
	957+80	2' RT	--	2
	963+80	2' RT	2	--
	967+75	2' RT	2	--
	971+80	2' RT	2	--
	975+75	2' RT	2	--
	977+75	2' RT	2	--
	979+80	2' RT	2	--
	982+75	2' RT	2	--
	984+75	2' RT	2	--
	988+75	2' RT	2	--
	993+20	2' RT	2	--
	996+25	2' RT	2	--
	997+25	2' RT	2	--
	999+75	2' RT	2	--
	1002+15	2' RT	2	--
	1003+30	2' RT	2	--
	1003+60	2' RT	2	--
	1003+90	2' RT	2	--
	1007+75	2' RT	2	--
	1010+75	2' RT	2	--
	1017+75	2' RT	--	2
	1018+70	2' RT	--	2
	1019+75	2' RT	--	2
	1023+75	2' RT	2	--
	1027+90	2' RT	2	--
	1033+75	2' RT	2	--
	1036+75	2' RT	2	--
SUBTOTALS:			58	22

* STATIONS AND LOCATIONS OF INLETS SHALL BE FIELD VERIFIED.

3

EROSION CONTROL (CONTINUED)

CATEGORY	STATION*	LOCATION*	628.7010 INLET PROTECTION TYPE B EACH	628.7020 INLET PROTECTION TYPE D EACH
1000	1040+95	2' RT	2	--
	1043+75	2' RT	2	--
	1047+75	2' RT	2	--
	1051+75	2' RT	2	--
	1061+70	2' RT	2	--
	1065+75	2' RT	2	--
	1070+90	2' RT	2	--
	1073+95	2' RT	--	2
	1074+70	2' RT	--	2
	1076+70	2' RT	--	2
	1079+70	2' RT	--	2
	1083+15	2' RT	2	--
	1086+70	2' RT	2	--
	1090+75	2' RT	2	--
	1093+70	2' RT	2	--
	1097+70	2' RT	2	--
	1100+70	2' RT	2	--
	1104+25	2' RT	2	--
	1111+70	2' RT	2	--
	1122+10	2' RT	2	--
	1130+65	2' RT	3	--
	1133+05	LT & RT	--	4
	1133+25	LT & RT	--	4
	1133+45	LT & RT	--	4
	1181+00	LT & RT	--	3
	1181+50	LT & RT	--	3
	1182+25	70' RT	--	1
	1184+00	LT & RT	4	--
	1188+95	LT & RT	4	--
	1206+70	2' LT	2	--
	1208+65	2' LT	2	--
	1210+20	2' LT	2	--
	1212+25	2' LT	2	--
	1215+25	2' LT	2	--
	1218+75	2' LT	2	--
	1223+25	2' LT	2	--
	1226+75	2' LT	2	--
	1230+25	LT & RT	--	3
	1232+25	LT & RT	--	3
	1233+25	LT & RT	--	3
SUBTOTALS:			59	36

* STATIONS AND LOCATIONS OF INLETS SHALL BE FIELD VERIFIED.

EROSION CONTROL (CONTINUED)

CATEGORY	STATION*	LOCATION*	628.7010 INLET PROTECTION TYPE B EACH	628.7020 INLET PROTECTION TYPE D EACH
1000	1235+25	LT & RT	3	--
	1237+25	LT & RT	3	--
	1239+75	LT & RT	3	--
	1242+25	LT & RT	3	--
	1245+25	LT & RT	3	--
	1247+25	LT & RT	3	--
	1252+25	2' LT	2	--
	1255+25	2' LT	2	--
	1257+90	2' LT	2	--
	1060+50	2' LT	2	--
	1265+30	2' LT	2	--
	107+25 S.B.	20' RT	2	--
	108+95 N.B	20' LT	1	--
	109+70 S.B.	20' RT	2	--
	113+60 N.B.	20' LT	1	--
	114+35 S.B.	20' RT	2	--
	117+65 N.B.	20' LT	1	--
	118+45 S.B.	20' RT	2	--
	121+75 N.B.	20' LT	1	--
	122+60 S.B.	20' RT	2	--
	125+35 N.B.	20' LT	1	--
	126+25 S.B.	20' RT	2	--
	126+80 S.B.	20' RT	1	--
	198+55	LT & RT	2	--
	200+75	LT & RT	2	--
	203+00	LT & RT	2	--
	205+30	LT & RT	2	--
	207+50	LT & RT	2	--
	210+00	LT & RT	2	--
	213+50	LT & RT	2	--
	215+00	LT & RT	2	--
	217+50	LT & RT	2	--
	220+00	LT & RT	2	--
	224+20	LT & RT	2	--
	226+90	LT & RT	2	--
	229+15	LT & RT	2	--
	231+20	LT & RT	2	--
	234+50	LT & RT	2	--
	238+25	LT & RT	2	--
	240+70	LT & RT	2	--
SUBTOTALS:			80	--

* STATIONS AND LOCATIONS OF INLETS SHALL BE FIELD VERIFIED.

3

EROSION CONTROL (CONTINUED)

CATEGORY	STATION*	LOCATION*	628.7010 INLET PROTECTION TYPE B EACH	628.7020 INLET PROTECTION TYPE D EACH
1000	243+05	LT & RT	--	2
	245+40	LT & RT	--	2
	245+90	LT & RT	--	2
	246+40	LT & RT	--	2
	249+00	LT & RT	--	2
	252+40	LT & RT	2	--
	255+10	LT & RT	2	--
	263+05	LT & RT	2	--
	265+05	LT & RT	2	--
	267+40	LT & RT	2	--
	270+10	LT & RT	2	--
	273+20	LT & RT	2	--
	276+30	LT & RT	2	--
	283+15	LT & RT	2	--
	285+60	LT & RT	2	--
	288+00	LT & RT	2	--
	290+40	LT & RT	2	--
	291+90	2' LT	--	1
	292+40	2' LT	--	1
	292+80	2' RT	--	1
	292+90	2' LT	--	1
	293+30	2' RT	--	1
	293+80	2' RT	--	1
	296+00	LT & RT	2	--
	299+00	LT & RT	2	--
	301+90	LT & RT	2	--
	304+90	LT & RT	2	--
	308+90	LT & RT	2	--
	312+90	LT & RT	2	--
	320+75	LT & RT	2	--
	324+75	LT & RT	2	--
	328+75	LT & RT	2	--
	331+25	LT & RT	2	--
	333+90	LT & RT	2	--
	336+60	LT & RT	2	--
	339+20	LT & RT	2	--
	342+20	LT & RT	2	--
	344+90	LT & RT	2	--
	347+40	LT & RT	2	--
	350+60	LT & RT	--	2
SUBTOTALS:			56	18

* STATIONS AND LOCATIONS OF INLETS SHALL BE FIELD VERIFIED.

EROSION CONTROL (CONTINUED)

CATEGORY	STATION*	LOCATION*	628.7010 INLET PROTECTION TYPE B EACH	628.7020 INLET PROTECTION TYPE D EACH
1000	353+45	LT & RT	--	2
	353+95	LT & RT	--	2
	354+50	LT & RT	--	2
	357+30	LT & RT	--	2
	360+20	LT & RT	2	--
	363+70	LT & RT	2	--
	367+60	LT & RT	2	--
	371+55	LT & RT	2	--
	375+55	LT & RT	2	--
	378+75	LT & RT	2	--
	381+90	LT & RT	2	--
	385+40	LT & RT	2	--
	387+80	LT & RT	2	--
	390+10	LT & RT	2	--
	394+20	LT & RT	2	--
	400+60	2' RT	1	--
	401+70	2' LT	1	--
	404+60	LT & RT	2	--
	405+25	LT & RT	2	--
	408+85	65' RT	1	--
	410+20	LT & RT	2	--
	410+90	65' RT	1	--
	412+50	65' RT	1	--
	413+20	2' LT	--	1
	413+50	2' RT	--	1
	414+00	65' RT	1	--
	414+00	2' RT	--	1
	414+55	2' RT	--	1
	415+30	2' LT	--	1
	415+80	2' LT	--	1
	416+30	2' LT	--	1
	416+75	2' RT	--	1
	419+25	2' LT	1	--
	419+30	2' RT	1	--
	423+40	2' LT	1	--
	423+45	2' RT	1	--
	427+20	LT & RT	2	--
	429+10	LT & RT	2	--
	431+20	LT & RT	2	--
	433+40	2' LT	1	--
	435+60	2' LT	1	--
SUBTOTALS:			46	16
UNDISTRIBUTED QUANTITIES:			40	12
TOTALS:			403	120

* STATIONS AND LOCATIONS OF INLETS SHALL BE FIELD VERIFIED.

3

PAVEMENT MARKING

CATEGORY	STATION	LOCATION	646.0106* PAVEMENT MARKING EPOXY 4-INCH YELLOW LF	646.0106* PAVEMENT MARKING EPOXY 4-INCH WHITE LF	646.0126 PAVEMENT MARKING EPOXY 8-INCH WHITE LF	646.0841.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH 12.5 FT LINE 37.5 FT SKIP LF	646.0841.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH 3 FT LINE 9 FT SKIP LF	646.0843.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH WHITE LF	647.0746 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH LF
1000	635+00 - 657+60	SB ON RAMP	796	2,275	--	--	--	1,090	--
	635+60 - 657+60	NB OFF RAMP	1,327	2,218	--	--	--	302	230
	658+00 - 794+50	NB	13,650	9,926	--	6,825	--	--	--
	658+00 - 806+00	SB	14,800	11,522	--	7,400	--	--	--
	658+20 - 679+95	SB OFF RAMP	1,355	2,173	--	--	146	436	95
	658+20 - 686+60	NB ON RAMP	1,131	2,832	--	--	--	2,232	--
	730+47 - 754+20	SB ON RAMP	1,461	2,635	--	--	--	1,372	--
	734+37 - 756+00	NB OFF RAMP	1,560	2,358	80	--	144	442	100
	754+32 - 763+90	SB OFF RAMP	1,264	2,051	85	--	150	366	125
	755+50 - 763+52	NB ON RAMP	2,192	2,437	--	--	--	795	--
	913+00 - 1130+84	NB	21,784	20,214	--	10,892	--	--	--
	931+50 - 1130+84	SB	19,934	10,115	--	9,967	--	--	--
	1032+00 - 1055+25	SB ON RAMP	1,130	2,118	--	--	--	2,368	--
	1051+20 - 1055+25	NB OFF RAMP	400	385	80	--	--	--	--
	1056+20 - 1078+25	SB OFF RAMP	1,630	2,181	--	--	161	365	85
	1058+00 - 1110+50	SB ON RAMP	--	--	--	--	50	425	--
	1064+80 - 1084+20	NB ON RAMP	175	1,835	--	--	--	2,202	--
	1120+00 - 1130+84	SB OFF RAMP	--	--	--	--	--	1,225	--
	1189+01 - 1267+30.87	NB	7,830	5,578	--	3,915	--	--	--
	1189+01 - 1267+30.87	SB	7,830	5,519	--	3,915	--	--	--
	1213+92 - 1241+12	SB ON RAMP	1,189	2,749	--	--	--	1,889	--
	1220+05 - 1241+15	NB OFF RAMP	1,342	2,125	--	--	141	438	85
	1241+85 - 1267+00	SB OFF RAMP	1,375	2,111	125	--	125	478	135
	1246+65 - 1264+41	NB ON RAMP	242	1,720	--	--	--	1,884	--
	1267+00 - 116+75	SB ON RAMP	--	--	--	--	--	575	--
	104+58.21 - 203+70.55	NB	9,912	8,862	--	4,956	--	--	--
	105+00 - 203+70.55	SB	9,871	8,771	--	4,935	--	--	--
	105+50 - 116+00	NB OFF RAMP	--	--	--	--	169	375	--
	203+70.55 - 432+00	NB	22,829	16,668	--	11,415	--	--	--
	203+70.55 - 435+75	SB	23,204	14,860	--	11,602	--	--	--
	212+50 - 238+40	SB ON RAMP	--	--	--	--	75	1,300	--
	221+75 - 239+50	NB OFF RAMP	--	--	--	--	264	725	--
	257+75 - 275+50	SB OFF RAMP	--	--	--	--	256	750	--
	258+75 - 276+50	NB ON RAMP	--	--	--	--	63	700	--
	326+64 - 343+92	SB ON RAMP	--	--	--	--	--	987	--
	335+34 - 343+58	NB OFF RAMP	--	--	--	--	123	438	--
	364+87 - 373+65	SB OFF RAMP	--	--	--	--	84	552	--
	369+47 - 381+19	NB ON RAMP	--	--	--	--	--	540	--
	382+27 - 396+00	SB ON RAMP	--	--	--	--	30	672	--
	389+85 - 396+00	NB OFF RAMP	--	--	--	--	--	425	--
SUBTOTAL			170,213	146,238	370	75,822	1,980	26,348	855
TOTALS:			316,450		370	77,802		26,348	855

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE ON PLAN.

3

PAVEMENT MARKING (CONTINUED)

			SPV.0060.0001	SPV.0060.0002	SPV.0060.0003	SPV.0060.0004	SPV.0090.0001	SPV.0060.0005
			PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC					RAISED PAVEMENT MARKERS
			ARROWS	ARROWS	ARROWS		STOP LINE	
			TYPE 2	TYPE 3	TYPE 4	WORDS	18-INCH	
CATEGORY	STATION	LOCATION	EACH	EACH	EACH	EACH	LF	EACH
1000	635+00 - 657+60	SB ON RAMP	--	--	--	--	--	--
	635+60 - 657+60	NB OFF RAMP	--	--	--	--	24	--
	658+00 - 794+50	NB	--	--	--	--	--	--
	658+00 - 806+00	SB	--	--	--	--	--	--
	658+20 - 679+95	SB OFF RAMP	--	--	--	--	12	--
	658+20 - 686+60	NB ON RAMP	--	--	--	--	--	--
	730+47 - 754+20	SB ON RAMP	--	--	--	--	--	--
	734+37 - 756+00	NB OFF RAMP	--	--	3	--	30	14
	754+32 - 763+90	SB OFF RAMP	--	--	3	--	30	14
	755+50 - 763+52	NB ON RAMP	--	--	--	--	--	--
	913+00 - 1130+84	NB	--	--	--	--	--	--
	931+50 - 1130+84	SB	--	--	--	--	--	--
	1032+00 - 1055+25	SB ON RAMP	--	--	--	--	18	--
	1051+20 - 1055+25	NB OFF RAMP	--	--	--	--	30	--
	1056+20 - 1078+25	SB OFF RAMP	--	--	1	--	12	14
	1064+80 - 1084+20	NB ON RAMP	--	--	--	--	--	--
	1189+01 - 1267+30.87	NB	--	--	--	--	--	--
	1189+01 - 1267+30.87	SB	--	--	--	--	--	--
	1213+92 - 1241+12	SB ON RAMP	--	--	--	--	--	--
	1220+05 - 1241+15	NB OFF RAMP	--	--	--	--	12	--
	1241+85 - 1267+00	SB OFF RAMP	2	1	--	2	24	--
	1246+65 - 1264+41	NB ON RAMP	--	--	--	--	--	--
	1267+00 - 116+75	SB ON RAMP	--	--	--	--	--	--
	104+58.21 - 203+70.55	NB	--	--	--	--	--	--
	105+00 - 203+70.55	SB	--	--	--	--	--	--
	105+50 - 116+00	NB OFF RAMP	--	--	--	--	--	--
	203+70.55 - 432+00	NB	--	--	--	--	--	--
	203+70.55 - 435+75	SB	--	--	--	--	--	--
								--
	SUBTOTAL		2	1	7	2	192	42
	TOTALS:		2	1	7	2	192	42

TRAFFIC CONTROL ITEMS

CATEGORY	LOCATION	STAGE	**STAGE** DURATION DAYS	643.0200 TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE (1030-33-60) DAY	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
	IH 94	NIGHT TIME		30												
1000	129+90 - 432+00 NB		30	--	378	11,340	62	1,860	--	--	28	840	3	90	68	2,040
	130+50 - 435+75 SB		30	--	381	11,430	62	1,860	--	--	28	840	3	90	84	2,520
	IH 94	ON PEAK (LANE 1 & 3)		18												
	658+00 - 1267+30.87 NB		18	--	685	12,330	61	1,098	--	--	28	504	3	54	99	1,782
	104+58.21 - 129+90 NB		18	--	25	450	3	54	--	--	--	--	--	--	7	126
	658+00 - 1267+30.87 SB		18	--	610	10,980	61	1,098	--	--	--	--	--	--	63	1,134
	104+58.21 - 130+50 SB		18	--	100	1,800	3	54	--	--	28	840	3	54	43	774
	RAMPS															
	ALL		18	--	725	13,050	61	1,098	82	1,476	77	1,386	--	--	191	3,438
	IH 94	OFF PEAK (LANE 2 & 3)		23												
	658+00 - 1267+30.87 NB		23	--	685	15,755	61	1,403	--	--	28	644	3	69	99	2,277
	104+58.21 - 129+90 NB		23	--	25	575	3	69	--	--	--	--	--	--	7	161
	658+00 - 1267+30.87 SB		23	--	610	14,030	61	1,403	--	--	--	--	--	--	63	1,449
	104+58.21 - 130+50 SB		23	--	100	2,300	3	69	--	--	28	644	3	75	43	989
	RAMPS															
	ALL		23	--	725	16,675	61	1,403	82	92	77	1,771	--	--	191	4,393
	CTH KR	NIGHT TIME RAMP CLOSURES		18												
	ON RAMP NB		18	--	--	--	5	90	8	144	--	--	--	--	14	252
	OFF RAMP NB		18	--	40	720	4	72	4	72	--	--	--	--	9	162
	ON RAMP SB		18	--	--	--	5	90	8	144	--	--	--	--	14	252
	OFF RAMP SB		18	--	40	720	4	72	4	72	--	--	--	--	9	162
	STH 11															
	ON RAMP NB		18	--	12	216	5	90	8	144	--	--	--	--	13	234
	OFF RAMP NB		18	--	40	720	4	72	4	72	--	--	--	--	9	162
	ON RAMP SB		18	--	12	216	5	90	8	144	--	--	--	--	13	234
	OFF RAMP SB		18	--	40	720	4	72	4	72	--	--	--	--	9	162
	CTH K															
	ON RAMP NB		18	--	--	--	5	90	8	144	--	--	--	--	13	234
	OFF RAMP NB		18	--	40	720	4	72	4	72	--	--	--	--	9	162
	ON RAMP SB		18	--	--	--	5	90	8	144	--	--	--	--	13	234
	OFF RAMP SB		18	--	40	720	4	72	4	72	--	--	--	--	9	162
	SEVEN MILE RD															
	ON RAMP SB		18	--	--	--	3	54	6	108	--	--	--	--	13	234
	OFF RAMP SB		18	--	40	720	4	72	4	72	--	--	--	--	9	162
	ALL		20	--	--	--	--	--	--	--	--	--	--	--	--	--
	UNDISTRIBUTED		20	--	--	--	--	--	--	--	--	--	--	--	--	--
		TOTALS:		89		116,187		12,567		3,044		7,469		432		23,891

TRAFFIC CONTROL ITEMS (CONTINUED)

CATEGORY	LOCATION	STAGE	**STAGE** DURATION DAYS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II **CYCLE**	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS **EACH**	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	646.0600 REMOVING PAVEMENT MARKINGS LF	649.0100 TEMPORARY PAVEMENT MARKING 4-INCH WHITE LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH YELLOW LF	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH WHITE LF	649.0801 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH WHITE LF	SPV.0045.0001 PCMS REMOTE COMMUNICATIONS **EACH**	SPV.0045.0001 PCMS REMOTE COMMUNICATIONS DAY
	IH 94	NIGHT TIME												
1000	129+90 - 432+00 NB		30	--	--	1	30	--	15,105	--	--	--	1	30
	130+50 - 435+75 SB		30	--	--	1	30	--	15,263	--	--	--	2	60
	IH 94	ON PEAK (LANE 1 & 3)												
	658+00 - 1267+30.87 NB		18	--	--	1	18	--	15,233	--	--	--	1	18
	104+58.21 - 129+90 NB		18	--	--	--	--	--	633	--	--	--	--	--
	658+00 - 1267+30.87 SB		18	--	--	--	--	--	15,233	--	--	--	--	--
	104+58.21 - 130+50 SB		18	--	--	1	18	--	648	--	--	--	2	36
	RAMPS													
	ALL		18	1	7	12	216	1,414	--	2,800	4,900	8,400	--	--
	IH 94	OFF PEAK (LANE 2 & 3)												
	658+00 - 1267+30.87 NB		23	--	--	1	23	--	15,233	--	--	--	1	23
	104+58.21 - 129+90 NB		23	--	--	--	--	--	633	--	--	--	--	--
	658+00 - 1267+30.87 SB		23	--	--	--	--	--	15,233	--	--	--	--	--
	104+58.21 - 130+50 SB		23	--	--	1	23	--	648	--	--	--	2	46
	RAMPS													
	ALL		23	7	7	12	276	--	--	--	--	--	--	--
	CTH KR	NIGHT TIME RAMP CLOSURES												
	ON RAMP NB		18	--	--	1	18	--	--	--	--	--	--	--
	OFF RAMP NB		18	1	1	1	18	--	--	--	--	--	--	--
	ON RAMP SB		18	--	--	1	18	--	--	--	--	--	--	--
	OFF RAMP SB		18	1	1	1	18	--	--	--	--	--	--	--
	STH 11													
	ON RAMP NB		18	--	--	1	18	--	--	--	--	--	--	--
	OFF RAMP NB		18	1	1	1	18	--	--	--	--	--	--	--
	ON RAMP SB		18	--	--	1	18	--	--	--	--	--	--	--
	OFF RAMP SB		18	1	1	1	18	--	--	--	--	--	--	--
							0							
	CTH K													
	ON RAMP NB		18	--	--	1	18	--	--	--	--	--	--	--
	OFF RAMP NB		18	1	1	1	18	--	--	--	--	--	--	--
	ON RAMP SB		18	--	--	1	18	--	--	--	--	--	--	--
	OFF RAMP SB		18	1	1	1	18	--	--	--	--	--	--	--
	SEVEN MILE RD													
	ON RAMP SB		18	--	--	1	18	--	--	--	--	--	--	--
	OFF RAMP SB		18	1	1	1	18	--	--	--	--	--	--	--
	ALL		20	--	--	--	--	--	--	--	--	--	--	--
	UNDISTRIBUTED		20	1	25	4	80	--	--	--	--	--	--	--
		TOTALS:			46	48	966	1,414	93,862	2,800	4,900	8,400		213

3

TRAFFIC CONTROL SIGNS FIXED MESSAGE

CATEGORY	SIGN MESSAGE	SIGN SIZE W X H FT X FT	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF
1000	LANE CLOSURES 94 NORTHBOUND KR TO RAWSON AVE EXPECTS DELAYS BEGINS XXX XX	20'-0" x 10'-0"	200
	ALTERNATE ROUTE EXIT 339	15'-0" x 4'-0"	60
	ALTERNATE ROUTE EXIT 337	15'-0" x 4'-0"	60
	ALTERNATE ROUTE EXIT 335	15'-0" x 4'-0"	60
	ALTERNATE ROUTE EXIT 329	15'-0" x 4'-0"	60
	ALTERNATE ROUTE EXIT 327	15'-0" x 4'-0"	60
	ALTERNATE ROUTE EXIT 322	15'-0" x 4'-0"	60
	ALTERNATE ROUTE EXIT 319	15'-0" x 4'-0"	60
	LANE CLOSURES 94 SOUTHBOUND RAWSON AVE TO KR EXPECT DELAYS BEGINS XXX XX	20'-0" x 10'-0"	200
	LANE CLOSURES 94 SOUTHBOUND ALT ROUTE USE COLLEGE AVE EXIT EXPECT DELAYS	14'-0" x 8'-0"	112
	TOTALS:		932

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MISCELLANEOUS ROADWAY ITEMS

CATEGORY	PROJECT	213.0100 FINISHING ROADWAY (1030-33-60) EACH	619.1000 MOBILIZATION EACH	642.5401 FIELD OFFICE TYPE D EA	SPV.0105.0001 PAVEMENT CLEANUP PROJECT 1030-33-60 LS
1000	1030-33-60	1	1	1	1
	TOTALS:	1	1	1	1

MISCELLANEOUS EROSION CONTROL ITEMS

CATEGORY	PROJECT	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
1000	1030-33-60	1	4
	TOTALS:	1	4

CPM PROGRESS SCHEDULE

CATEGORY	PROJECT	108.4400 CPM PROGRESS SCHEDULE EACH
1000	1030-33-60	1
	TOTAL:	1

SIGN NO.	SIGN CODE & SIZE	SIGN TYPE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	638.2602 REM SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP (EA)	634.0618 WOOD POSTS 4"X 6"x18' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLC SH [SF]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	635.0300 SIGN SUPPORTS REPLACING BASE CON. BOLTS [EA]	STEEL POST TYPE	636.0100 SIGN SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
1	I2-2	II	RACINE CO	84 x 21	12.250	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
2	W4-1(5)	II	--	48 x 48	--	16.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
3	I2-2	II	KENOSHA CO	90 x 24	15.000	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
4	E5-1A(5)	II	EXIT 337 [A]	90 x 60	37.500	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
5	W13-2(5)	II	EXIT 50 MPH	48 x 60	--	20.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
6	E4-1A	I	[KR] MOUNT PLEASANT [A]	-- x --	--	--	--	--	--	--	--	15' HORIZONTAL OFFSET POST #2 STRADDLE FENCE	27 x 7.5	202.50	1	2	--	B	1.6	98	1000	--	--	--	--
6A	E1-5P	I	EXIT 337	-- x --	--	--	--	--	--	--	--	--	11 x 2.5	27.50	1	--	--	--	--	--	--	--	--	--	--
7	J4-2(5)	II	--	72 x 54	27.000	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-4			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-1			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
8	E1-1A	I	[11] RACINE MOUNT PLEASANT 1 MILE	-- x --	--	--	--	--	--	--	--	15' OFFSET - STRADDLE FENCE	24 x 14	336.00	1	2	--	D	1.8	112	1200	--	--	--	--
8A	E1-5P	I	EXIT 335	-- x --	--	--	--	--	--	--	--	--	11 x 2.5	27.50	1	--	--	--	--	--	--	--	--	--	--
9	M1-94	II	BRAUN RD	72 x 21	10.500	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
10	M1-94	II	BRAUN RD	72 x 21	10.500	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
11	E1-1A	I	[KR] MOUNT PLEASANT 3/4 MILE	-- x --	--	--	--	--	--	--	--	RE-USE EXISTING STEEL POSTS	24 x 10	240.00	1	--	2	--	--	--	--	--	--	--	--
11A	E1-5P	I	EXIT 337	-- x --	--	--	--	--	--	--	--	--	11 x 2.5	27.50	1	--	--	--	--	--	--	--	--	--	--
12	E4-1	I	[11] RACINE [A] MOUNT PLEASANT	-- x --	--	--	--	--	--	--	--	--	27 x 11	297.00	1	2	--	C	1.8	100	1200	--	--	--	--
12A	E1-5P	I	EXIT 335	-- x --	--	--	--	--	--	--	--	--	11 x 2.5	27.50	1	--	--	--	--	--	--	--	--	--	--
13	W13-2C(2M)	II	EXIT [A] 35 MPH	48 x 90	--	30.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
14	E5-1A(5)	II	EXIT 335 [A]	90 x 60	37.500	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
15	W4-1(5)	II	--	48 x 48	--	16.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
16	W4-1(5)	II	--	48 x 48	--	16.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
17	E5-1A	II	EXIT 335 [A]	90 x 60	37.500	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
18	E4-1	I	[11] RACINE [A] MOUNT PLEASANT	-- x --	--	--	--	--	--	--	--	--	27 x 11	297.00	1	2	--	C	1.8	100	1200	--	--	--	--
18A	E1-5P	I	EXIT 335	-- x --	--	--	--	--	--	--	--	--	11 x 2.5	27.50	1	--	--	--	--	--	--	--	--	--	--
19	W13-2C(2M)	II	EXIT [A] 35 MPH	48 x 90	--	30.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
20	E1-1A	I	[20] RACINE MOUNT PLEASANT 1 1/4 MILE	-- x --	--	--	--	--	--	--	--	--	24 x 14	336.00	1	2	--	D	1.8	112	1200	--	--	--	--
20A	E1-5P	I	EXIT 333	-- x --	--	--	--	--	--	--	--	--	11 x 2.5	27.50	1	--	--	--	--	--	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN TYPE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	638.2602 REM SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP (EA)	634.0618 WOOD POSTS 4"X 6"x18' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLC SH [SF]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	635.0300 SIGN SUPPORTS REPLACING BASE CON. BOLTS [EA]	STEEL POST TYPE	636.0100 SIGN SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
21	J4-2(5)	II	--	72 x 54	27.000	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-4			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-1			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
22	E1-1A	I	[11] RACINE MOUNT PLEASANT 1 MILE	-- x --	--	--	--	--	--	--	--	15' OFFSET - STRADDLE FENCE	24 x 14	336.00	1	2	--	D	1.8	112	1200	--	--	--	--
22A	E1-5P	I	EXIT 335	-- x --	--	--	--	--	--	--	--	--	11 x 2.5	27.50	1	--	--	--	--	--	--	--	--	--	--
23	E4-1	I	[20] RACINE [A] MOUNT PLEASANT	-- x --	--	--	--	--	--	--	--	15' OFFSET - STRADDLE FENCE	27 x 11	297.00	1	2	--	C	1.8	100	1200	--	--	--	--
23A	E1-5P	I	EXIT 333	-- x --	--	--	--	--	--	--	--	--	11 x 2.5	27.50	1	--	--	--	--	--	--	--	--	--	--
24	E5-1A(5)	II	EXIT 333 [A]	90 x 60	37.500	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
25	R2-1(5)	II	SPEED LIMIT 65	48 x 60	20.000	--	1	1	1	--	--	PLACE ACROSS FROM MKR 333/8	x	0.00	--	--	--	--	--	--	--	--	--	--	--
26	J4-2(5)	II	--	72 x 54	27.000	--	1	2	2	--	--	PLACE ACROSS FROM MKR 333/8	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-2			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-3			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
27	W4-1(5)	II	--	48 x 48	--	16.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
28	W4-1(5)	II	--	48 x 48	--	16.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
29	E5-1A(5)	II	EXIT 333 [A]	90 x 60	37.500	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
30	E4-1	I	[20] RACINE [A] MOUNT PLEASANT	-- x --	--	--	--	--	--	--	--	--	27 x 11	297.00	1	2	--	C	1.8	100	1200	--	--	--	--
30A	E1-5P	I	EXIT 333	-- x --	--	--	--	--	--	--	--	--	11 x 2.5	27.50	1	--	--	--	--	--	--	--	--	--	--
31	W13-2(5)	II	EXIT 50 MPH	48 x 60	--	20.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
32	M1-94	II	HWY C	54 x 21	7.875	--	1	1	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
33	M1-94	II	HWY C	54 x 21	7.875	--	1	1	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
34	J4-2(5)	II	--	72 x 54	27.000	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-4			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-1			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
35	D4-3	I	PARK & RIDE EXIT 333	-- x --	--	--	--	--	--	--	--	RE-USE EXISTING STEEL POSTS	12 x 7.5	90.00	1	--	2	--	--	--	--	--	--	--	--
36	D2-1	II	MILWAUKEE 21	96 x 21	14.000	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
37	E3-1	I	AMTRAK STATION EXIT 333	-- x --	--	--	--	--	--	--	--	RE-USE EXISTING STEEL POSTS	16 x 5	80.00	1	--	2	--	--	--	--	--	--	--	--
38	E1-1A	I	[20] RACINE MOUNT PLEASANT 1 1/2 MILES	-- x --	--	--	--	--	--	--	--	--	24 x 14	336.00	1	2	--	D	1.8	112	1200	--	--	--	--
38A	E1-5P	I	EXIT 333	-- x --	--	--	--	--	--	--	--	--	11 x 2.5	27.50	1	--	--	--	--	--	--	--	--	--	--
39	E3-1	I	TOURIST INFO EXIT 333	-- x --	--	--	--	--	--	--	--	RE-USE EXISTING STEEL POSTS	13 x 5	65.00	1	--	2	--	--	--	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN TYPE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	638.2602 REM SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP (EA)	634.0618 WOOD POSTS 4"X 6"x18' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLC SH [SF]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	635.0300 SIGN SUPPORTS REPLACING BASE CON. BOLTS [EA]	STEEL POST TYPE	636.0100 SIGN SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
40	M1-94	II	GOLF RD	60 x 21	8.750	--	1	1	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
41	M1-94	II	GOLF RD	60 x 21	8.750	--	1	1	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
42	R2-1(5)	II	SPEED LIMIT 65	48 x 60	20.000	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
43	W13-2(5)	II	EXIT 50 MPH	48 x 60	--	20.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
44	J4-2(5)	II	--	72 x 54	27.000	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-2			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-3			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
45	E5-1A(5)	II	EXIT 329 [A]	90 x 60	37.500	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
46	W4-1(5)	II	--	48 x 48	--	16.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
47	W4-1(5)	II	--	48 x 48	--	16.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
48	--	II	STATE PATROL WEIGH STATION NO. 22	-- x --	--	--	1	2	--	--	--	DO NOT REPLACE STATE POLICY NO LONGER ALLOWS THESE	x	0.00	--	--	--	--	--	--	--	--	--	--	--
49	D2-1	II	CHICAGO 69	156 x 36	39.000	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
50	E5-1A(5)	II	EXIT 326 [A]	90 x 60	37.500	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
51	W4-1(5)	II	--	48 x 48	--	16.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
52	W13-2(5)	II	EXIT 50 MPH	48 x 60	--	20.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
53	W4-1(5)	II	--	48 x 48	--	16.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
54	I2-2	II	RACINE CO	84 x 21	12.250	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
501	I2-2	II	MILWAUKEE CO	108 x 24	18.000	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
502	I2-3A	II	CITY OF OAK CREEK	78 x 30	16.250	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
503	W5-52L(3)	II	--	18 x 54	--	6.750	--	--	1	--	--	4' MOUNTING HEIGHT	x	0.00	--	--	--	--	--	--	--	--	--	--	--
504	W5-52R(3)	II	--	18 x 54	--	6.750	--	--	1	--	--	4' MOUNTING HEIGHT	x	0.00	--	--	--	--	--	--	--	--	--	--	--
505	R4-3(5)	II	--	48 x 60	20.000	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
506	J4-2(5)	II	--	72 x 54	27.000	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-4			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-1			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
507	R8-7(5)	II	--	48 x 36	12.000	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
508	E1-1A	I	[100] RYAN RD 1 MILE	-- x --	--	--	--	--	--	--	--	RE-USE EXISTING STEEL POSTS	14 x 10.5	147.00	1	--	2	--	--	--	--	--	--	--	--
508A	E1-5P	I	EXIT 322	-- x --	--	--	--	--	--	--	--	--	11 x 2.5	27.50	1	--	--	--	--	--	--	--	--	--	--
509	E3-1	I	OVERSIZE TRUCK BY-PASS USE EXIT 322	-- x --	--	--	--	--	--	--	--	--	14 x 5.5	77.00	1	2	--	A	1.2	68	600	--	--	--	--
510	I2-2	II	OAKWOOD RD 10300 SOUTH	96 x 36	24.000	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
511	I2-2	II	OAKWOOD RD 10300 SOUTH	96 x 36	24.000	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
512	R2-1(5)	II	SPEED LIMIT 65	48 x 60	20.000	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
513	R2-1(5)	II	SPEED LIMIT 65	48 x 60	20.000	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN TYPE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	634.0618 WOOD POSTS 4"X 6"x18' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLC SH [SF]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	635.0300 SIGN SUPPORTS REPLACING BASE CON. BOLTS [EA]	STEEL POST TYPE	636.0100 SIGN SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
514	J4-2(5)	II	--	72 x 54	27.000	--	1	2	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-2			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-3			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
515	E10-61	I	HOSPITAL EXIT 322	-- x --	--	--	--	--	--	--	--	--	12 x 4.5	54.00	--	--	--	A	1.2	68	600	--	--	--	--
516	D9-2 MB5-1R	II	--	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
517	W13-2C(2M)	II	EXIT [A] 35 MPH	48 x 90	--	30.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
518	I2-2	II	RYAN RD 9500 SOUTH	84 x 36	21.000	--	1	--	--	--	--	MOUNT ON BRIDGE	x	0.00	--	--	--	--	--	--	--	--	--	--	--
519	I2-2	II	RYAN RD 9500 SOUTH	84 x 36	21.000	--	1	--	--	--	--	MOUNT ON BRIDGE	x	0.00	--	--	--	--	--	--	--	--	--	--	--
520	W4-1(5)	II	--	48 x 48	--	16.000	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
521	W1-8(5)	II	--	36 x 48	--	12.000	--	--	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
522	W5-54(2M)	II	--	18 x 18	2.250	--	--	--	--	--	--	MOUNT ON EXISTING E5-1A POSTS	x	0.00	--	--	--	--	--	--	--	--	--	--	--
523	W5-54(2M)	II	--	18 x 18	2.250	--	--	--	--	--	--	MOUNT ON EXISTING E5-1A POSTS	x	0.00	--	--	--	--	--	--	--	--	--	--	--
524	W4-2R(5)	II	--	48 x 48	--	16.000	--	--	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
525	J4-2(5)	II	--	72 x 54	27.000	--	--	--	2	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-4			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	MB3-1			36 x 18	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
	M1-1			36 x 36	--	--	--	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
526	D9-2 MB5-1R	II	--	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
527	E10-61	I	HOSPITAL EXIT 322	-- x --	--	--	--	--	--	--	--	--	12 x 4.5	54.00	--	--	--	A	1.2	68	600	--	--	--	--
528	R2-1(5)	II	SPEED LIMIT 65	48 x 60	20.000	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
529	--	I	GAS -FOOD DIESEL LODGING EXIT 322	-- x --	--	--	--	--	--	--	--	RE-USE EXISTING STEEL POSTS	10 x 7.5	75.00	1	--	2	--	--	--	--	--	--	--	--
530	I2-2	II	PUETZ RD 8700 SOUTH	78 x 36	19.500	--	1	--	--	--	--	MOUNT ON BRIDGE INCIDENTAL TO SIGN	x	0.00	--	--	--	--	--	--	--	--	--	--	--
531	I2-2	II	PUETZ RD 8700 SOUTH	78 x 36	19.500	--	1	--	--	--	--	MOUNT ON BRIDGE INCIDENTAL TO SIGN	x	0.00	--	--	--	--	--	--	--	--	--	--	--
532	W4-1(5)	II	--	48 x 48	--	16.000	--	--	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
601	D10-5(5)	II	WEST (94 SHIELD) 325/0	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
602	D10-5(5)	II	EAST (94 SHIELD) 325/0	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
603	D10-5	II	WEST (94 SHIELD) 324/.9	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
604	D10-5	II	EAST (94 SHIELD) 324/.9	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
605	D10-5(5)	II	WEST (94 SHIELD) 324/.6	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN TYPE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	638.2602 REM SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP (EA)	634.0618 WOOD POSTS 4"X 6"x18' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLC SH [SF]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	635.0300 SIGN SUPPORTS REPLACING BASE CON. BOLTS [EA]	STEEL POST TYPE	636.0100 SIGN SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR			
																						POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
606	D10-5(5)	II	EAST (94 SHIELD) 324/.6	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
607	D10-5	II	WEST (94 SHIELD) 324/.5	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
608	D10-5	II	EAST (94 SHIELD) 324/.5	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
609	D10-5(5)	II	EAST (94 SHIELD) 324/.4	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
610	D10-5(5)	II	WEST (94 SHIELD) 324/.4	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
611	D10-5	II	WEST (94 SHIELD) 324/.3	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
612	D10-5	II	EAST (94 SHIELD) 324/.3	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
613	D10-5(5)	II	WEST (94 SHIELD) 324/.2	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
614	D10-5(5)	II	EAST (94 SHIELD) 324/.2	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
615	D10-5	II	WEST (94 SHIELD) 324/.1	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
616	D10-5	II	EAST (94 SHIELD) 324/.1	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
617	D10-5(5)	II	EAST (94 SHIELD) 324/0	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
618	D10-5(5)	II	WEST (94 SHIELD) 324/0	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
619	D10-5	II	WEST (94 SHIELD) 323/.9	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
620	D10-5	II	EAST (94 SHIELD) 323/.9	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
621	D10-5(5)	II	WEST (94 SHIELD) 323/.8	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
622	D10-5(5)	II	EAST (94 SHIELD) 323/.8	21 x 60	8.750	--	1	--	--	--	#621	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
623	D10-5	II	WEST (94 SHIELD) 323/.7	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
624	D10-5	II	EAST (94 SHIELD) 323/.7	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
625	D10-5(5)	II	WEST (94 SHIELD) 323/.6	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
626	D10-5(5)	II	EAST (94 SHIELD) 323/.6	21 x 60	8.750	--	1	--	--	--	#625	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
627	D10-5	II	WEST (94 SHIELD) 323/.5	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
628	D10-5	II	EAST (94 SHIELD) 323/.5	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
629	D10-5(5)	II	WEST (94 SHIELD) 323/.4	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
630	D10-5(5)	II	EAST (94 SHIELD) 323/.4	21 x 60	8.750	--	1	--	--	--	#629	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN TYPE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	638.2602 REM SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP (EA)	634.0618 WOOD POSTS 4"X 6"x18' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLC SH [SF]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	635.0300 SIGN SUPPORTS REPLACING BASE CON. BOLTS [EA]	STEEL POST TYPE	636.0100 SIGN SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR			
																						POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
631	D10-5	II	WEST (94 SHIELD) 323/.3	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
632	D10-5	II	EAST (94 SHIELD) 323/.3	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
633	D10-5(5)	II	WEST (94 SHIELD) 323/.2	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
634	D10-5(5)	II	EAST (94 SHIELD) 323/.2	21 x 60	8.750	--	1	--	--	--	#633	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
635	D10-5	II	WEST (94 SHIELD) 323/.1	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
636	D10-5	II	EAST (94 SHIELD) 323/.1	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
637	D10-5(5)	II	EAST (94 SHIELD) 323/0	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
638	D10-5(5)	II	WEST (94 SHIELD) 323/0	21 x 60	8.750	--	1	--	--	--	#637	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
639	D10-5	II	WEST (94 SHIELD) 322/.9	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
640	D10-5	II	EAST (94 SHIELD) 322/.9	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
641	D10-5(5)	II	WEST (94 SHIELD) 322/.8	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
642	D10-5(5)	II	EAST (94 SHIELD) 322/.8	21 x 60	8.750	--	1	--	--	--	#641	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
643	D10-5	II	WEST (94 SHIELD) 322/.7	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
644	D10-5	II	EAST (94 SHIELD) 322/.7	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
645	D10-5(5)	II	WEST (94 SHIELD) 322/.6	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
646	D10-5(5)	II	EAST (94 SHIELD) 326/.6	21 x 60	8.750	--	1	--	--	--	#645	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
647	D10-5	II	WEST (94 SHIELD) 322/.5	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
648	D10-5	II	EAST (94 SHIELD) 322/.5	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
649	D10-5(5)	II	WEST (94 SHIELD) 322/.4	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
650	D10-5(5)	II	EAST (94 SHIELD) 322/.4	21 x 60	8.750	--	1	--	--	--	#649	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
651	D10-5	II	WEST (94 SHIELD) 322/.3	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
652	D10-5	II	EAST (94 SHIELD) 322/.3	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
653	D10-5(5)	II	WEST (94 SHIELD) 322/.2	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
654	D10-5(5)	II	EAST (94 SHIELD) 322/.2	21 x 60	8.750	--	1	--	--	--	#653	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
655	D10-5	II	WEST (94 SHIELD) 322/.1	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN TYPE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	638.2602 REM SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP (EA)	634.0618 WOOD POSTS 4"X 6"x18' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLC SH [SF]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	635.0300 SIGN SUPPORTS REPLACING BASE CON. BOLTS [EA]	STEEL POST TYPE	636.0100 SIGN SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR			
																						POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
656	D10-5	II	EAST (94 SHIELD) 322/.1	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
657	D10-5(5)	II	WEST (94 SHIELD) 322/0	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
658	D10-5(5)	II	EAST (94 SHIELD) 322/0	21 x 60	8.750	--	1	--	--	--	#657	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
659	D10-5	II	WEST (94 SHIELD) 321/.9	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
660	D10-5	II	EAST (94 SHIELD) 321/.9	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
661	D10-5(5)	II	WEST (94 SHIELD) 321/.8	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
662	D10-5(5)	II	EAST (94 SHIELD) 321/.8	21 x 60	8.750	--	1	--	--	--	#661	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
663	D10-5	II	WEST (94 SHIELD) 321/.7	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
664	D10-5	II	EAST (94 SHIELD) 321/.7	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
665	D10-5(5)	II	WEST (94 SHIELD) 321/.6	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
666	D10-5(5)	II	EAST (94 SHIELD) 321/.6	21 x 60	8.750	--	1	--	--	--	#665	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
667	D10-5	II	WEST (94 SHIELD) 321/.5	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
668	D10-5	II	EAST (94 SHIELD) 321/.5	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
669	D10-5(5)	II	WEST (94 SHIELD) 321/.4	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
670	D10-5(5)	II	EAST (94 SHIELD) 321/.4	21 x 60	8.750	--	1	--	--	--	#669	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
671	D10-5	II	WEST (94 SHIELD) 321/.3	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
672	D10-5	II	EAST (94 SHIELD) 321/.3	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
673	D10-5(5)	II	WEST (94 SHIELD) 321/.2	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
674	D10-5(5)	II	EAST (94 SHIELD) 321/.2	21 x 60	8.750	--	1	--	--	--	#673	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
675	D10-5	II	WEST (94 SHIELD) 321/.1	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
676	D10-5	II	EAST (94 SHIELD) 321/.1	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
677	D10-5(5)	II	WEST (94 SHIELD) 321/0	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
678	D10-5(5)	II	EAST (94 SHIELD) 321/0	21 x 60	8.750	--	1	--	--	--	#677	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
679	D10-5	II	WEST (94 SHIELD) 320/.9	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
680	D10-5	II	EAST (94 SHIELD) 320/.9	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--

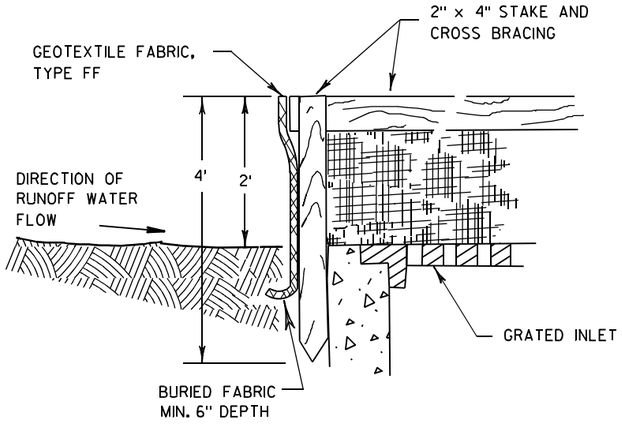
SIGN NO.	SIGN CODE & SIZE	SIGN TYPE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	638.2602 REM SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP (EA)	634.0618 WOOD POSTS 4"X 6"x18' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLC SH [SF]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	635.0300 SIGN SUPPORTS REPLACING BASE CON. BOLTS [EA]	STEEL POST TYPE	636.0100 SIGN SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR			
																						POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
681	D10-5(5)	II	WEST (94 SHIELD) 320/.8	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
682	D10-5(5)	II	EAST (94 SHIELD) 320/.8	21 x 60	8.750	--	1	--	--	--	#681	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
683	D10-5	II	WEST (94 SHIELD) 320/.7	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
684	D10-5	II	EAST (94 SHIELD) 320/.7	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
685	D10-5(5)	II	WEST (94 SHIELD) 320/.6	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
686	D10-5(5)	II	EAST (94 SHIELD) 320/.6	21 x 60	8.750	--	1	--	--	--	#685	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
687	D10-5	II	WEST (94 SHIELD) 320/.5	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
688	D10-5	II	EAST (94 SHIELD) 320/.5	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
689	D10-5(5)	II	WEST (94 SHIELD) 320/.4	21 x 60	8.750	--	1	1	1	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
690	D10-5(5)	II	EAST (94 SHIELD) 320/.4	21 x 60	8.750	--	1	--	--	--	#689	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
691	D10-5	II	WEST (94 SHIELD) 320/.3	-- x --	--	--	1	1	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
692	D10-5	II	EAST (94 SHIELD) 320/.3	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
693	D10-5(5)	II	WEST (94 SHIELD) 320/.2	21 x 60	8.750	--	1	--	--	--	--	INSTALLL ON LIGHT POLE	x	0.00	--	--	--	--	--	--	--	--	--	--	--
694	D10-5(5)	II	EAST (94 SHIELD) 320/.2	21 x 60	8.750	--	1	--	--	--	#693	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
695	D10-5	II	WEST (94 SHIELD) 320/.1	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
696	D10-5	II	EAST (94 SHIELD) 320/.1	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
697	D10-5(5)	II	WEST (94 SHIELD) 320/0	21 x 60	8.750	--	1	--	--	--	--	INSTALLL ON LIGHT POLE	x	0.00	--	--	--	--	--	--	--	--	--	--	--
698	D10-5(5)	II	EAST (94 SHIELD) 320/0	21 x 60	8.750	--	1	--	--	--	#697	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
699	D10-5	II	WEST (94 SHIELD) 319/.9	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
700	D10-5	II	EAST (94 SHIELD) 319/.9	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
701	D10-5(5)	II	WEST (94 SHIELD) 319/.8	21 x 60	8.750	--	1	--	--	--	--	INSTALLL ON LIGHT POLE	x	0.00	--	--	--	--	--	--	--	--	--	--	--
702	D10-5(5)	II	EAST (94 SHIELD) 319/.8	21 x 60	8.750	--	1	--	--	--	#701	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
703	D10-5	II	WEST (94 SHIELD) 319/.7	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
704	D10-5	II	EAST (94 SHIELD) 319/.7	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
705	D10-5(5)	II	WEST (94 SHIELD) 319/.6	21 x 60	8.750	--	1	--	--	--	--	INSTALLL ON LIGHT POLE	x	0.00	--	--	--	--	--	--	--	--	--	--	--

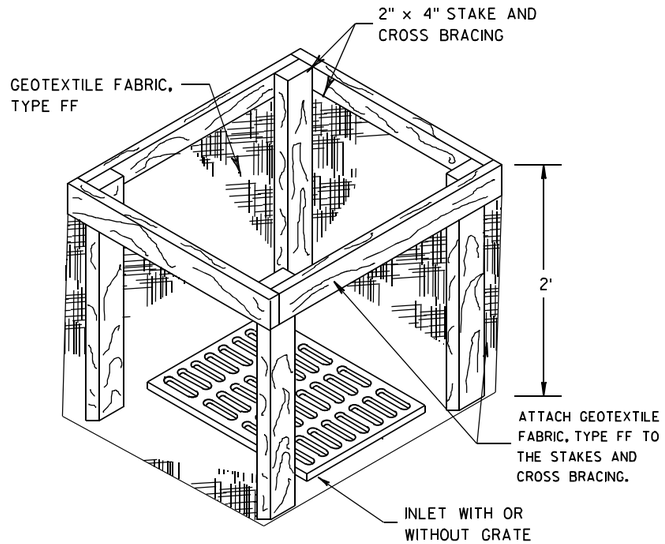
SIGN NO.	SIGN CODE & SIZE	SIGN TYPE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	638.2602 REM SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP (EA)	634.0618 WOOD POSTS 4"X 6"x18' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLC SH [SF]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	635.0300 SIGN SUPPORTS REPLACING BASE CON. BOLTS [EA]	STEEL POST TYPE	636.0100 SIGN SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
706	D10-5(5)	II	EAST (94 SHIELD) 319/.6	21 x 60	8.750	--	1	--	--	--	#705	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
707	D10-5	II	WEST (94 SHIELD) 319/.5	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
708	D10-5	II	EAST (94 SHIELD) 319/.5	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
709	D10-5(5)	II	WEST (94 SHIELD) 319/.4	21 x 60	8.750	--	1	--	--	--	--	INSTALLL ON LIGHT POLE	x	0.00	--	--	--	--	--	--	--	--	--	--	--
710	D10-5(5)	II	EAST (94 SHIELD) 319/.4	21 x 60	8.750	--	1	--	--	--	#709	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
711	D10-5	II	WEST (94 SHIELD) 319/.3	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
712	D10-5	II	EAST (94 SHIELD) 319/.3	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
713	D10-5(5)	II	WEST (94 SHIELD) 319/.2	21 x 60	8.750	--	1	--	--	--	--	INSTALLL ON LIGHT POLE	x	0.00	--	--	--	--	--	--	--	--	--	--	--
714	D10-5(5)	II	EAST (94 SHIELD) 319/.2	21 x 60	8.750	--	1	--	--	--	#713	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
715	D10-5	II	WEST (94 SHIELD) 319/.1	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
716	D10-5	II	EAST (94 SHIELD) 319/.1	-- x --	--	--	1	--	--	--	--	--	x	0.00	--	--	--	--	--	--	--	--	--	--	--
717	D10-5(5)	II	EAST (94 SHIELD) 324/.8	21 x 60	8.750	--	1	1	1	--	--	SHEET 46 OF 71	x	0.00	--	--	--	--	--	--	--	--	--	--	--
718	D10-5(5)	II	WEST (94 SHIELD) 324/.8	21 x 60	8.750	--	1	1	1	--	--	SHEET 46 OF 71	x	0.00	--	--	--	--	--	--	--	--	--	--	--
719	D10-5	II	EAST (94 SHIELD) 324/.7	-- x --	--	--	1	1	--	--	--	SHEET 46 OF 71	x	0.00	--	--	--	--	--	--	--	--	--	--	--
720	D10-5	II	WEST (94 SHIELD) 324/.7	-- x --	--	--	1	1	--	--	--	SHEET 46 OF 71	x	0.00	--	--	--	--	--	--	--	--	--	--	--
UNDISTRIBUTED		--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTALS					1,450.000	387.500	180	142	119	2	--	--	--	3,919.000	27	20	12	--	19.6	1,150	12,400	--	--	--	--

SHEET: 9 OF 9

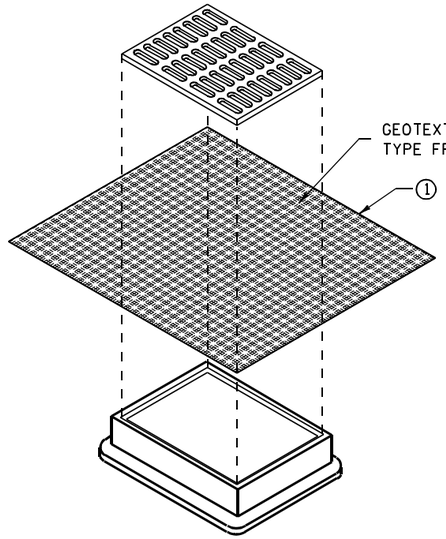
Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-01D	PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP
15D15-01	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-02	TRAFFIC CONTROL, EXIT RAMP CLOSURE



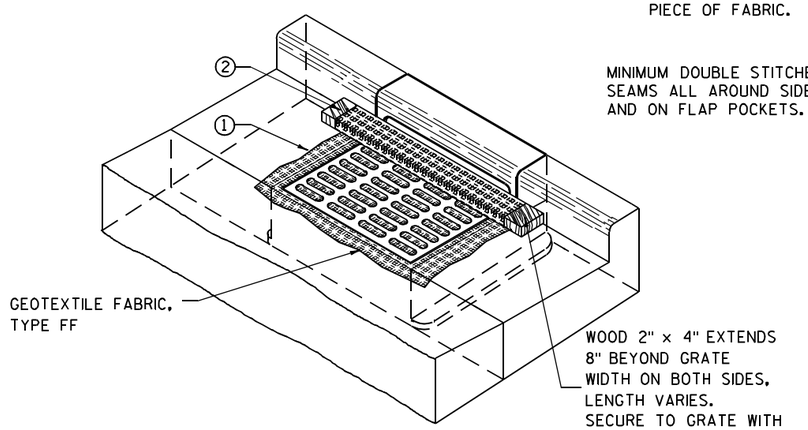


INLET PROTECTION, TYPE A

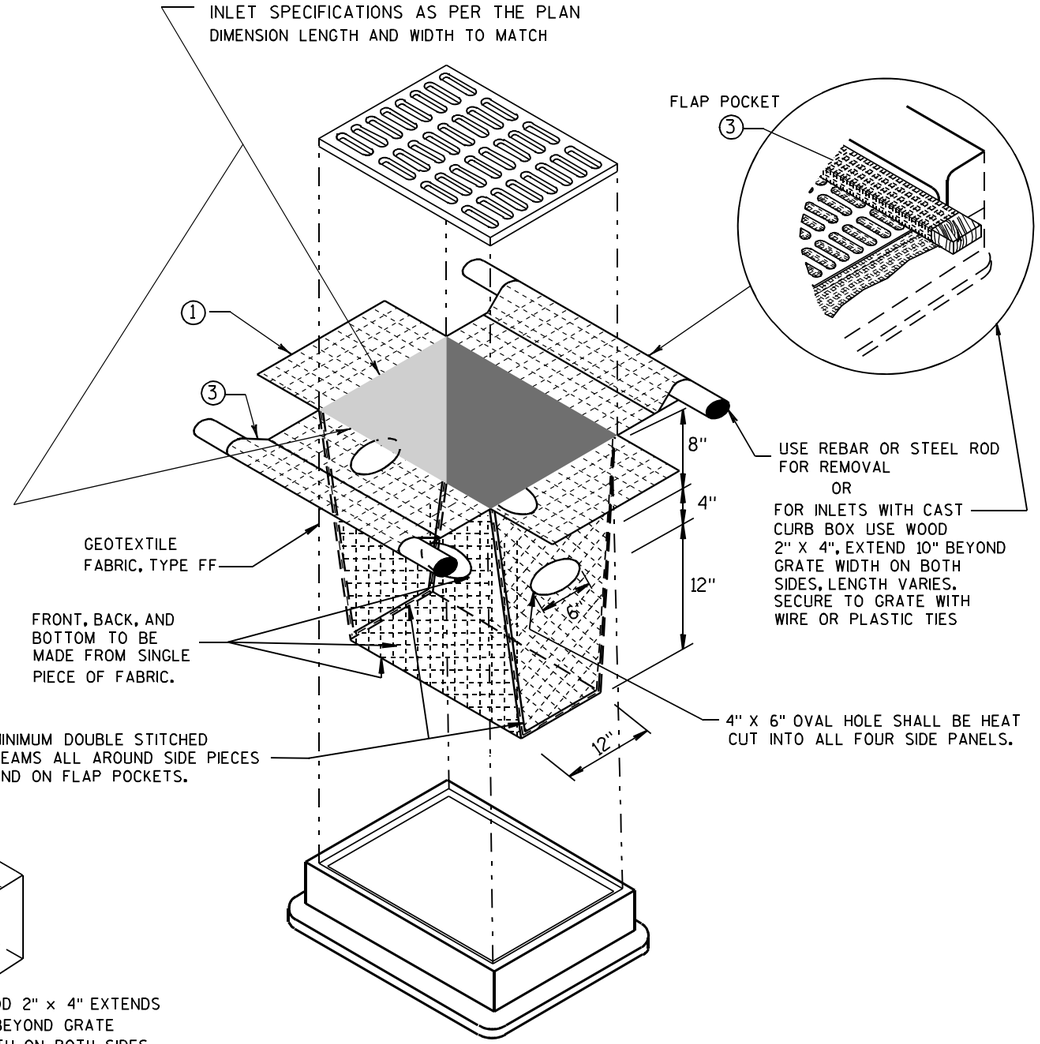


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

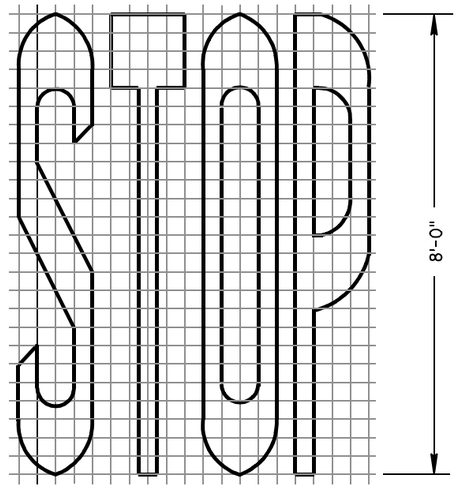
6

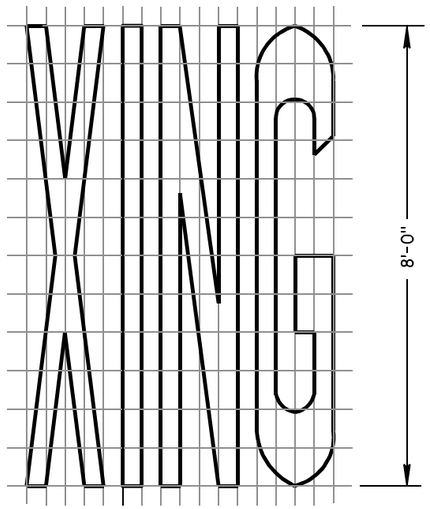
S.D.D. 8 E 10-2

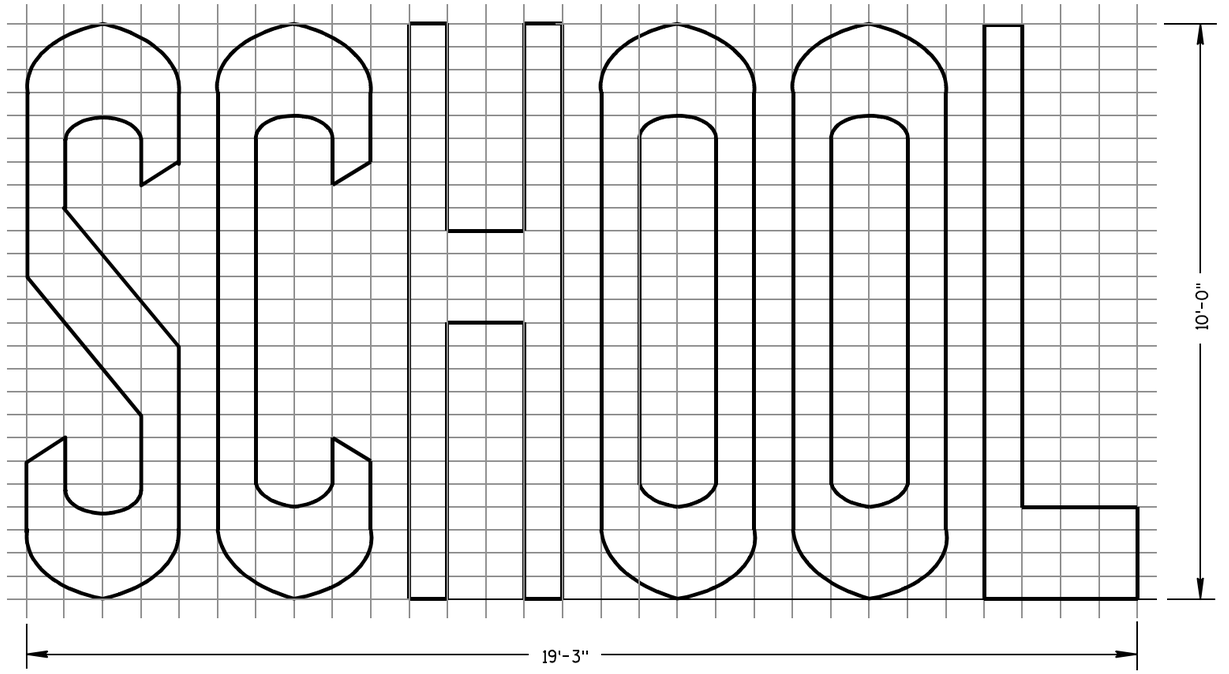
GENERAL NOTES

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

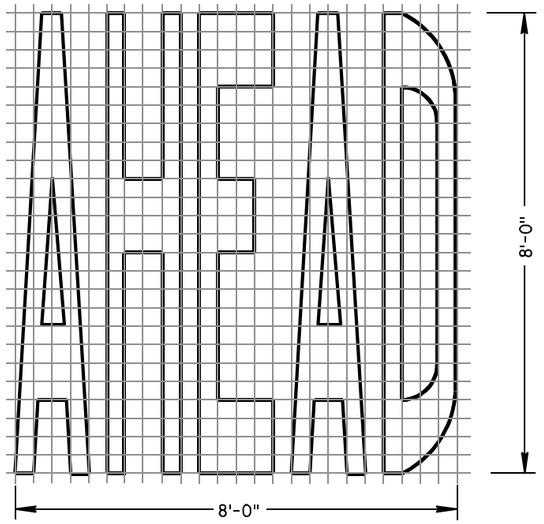
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES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

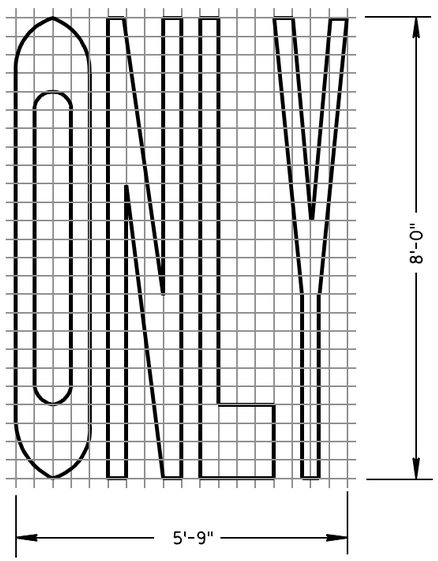


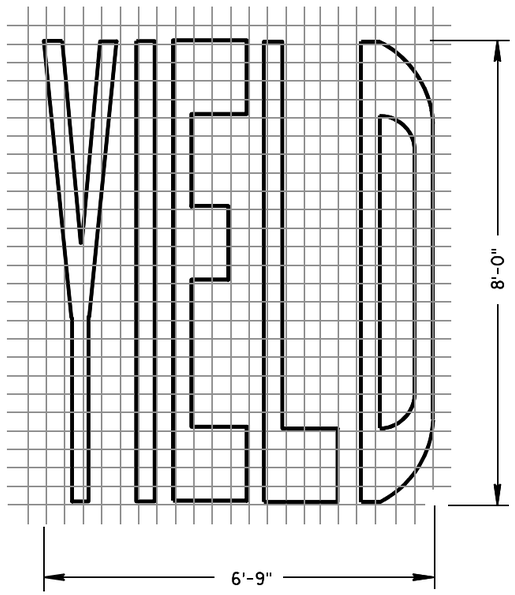


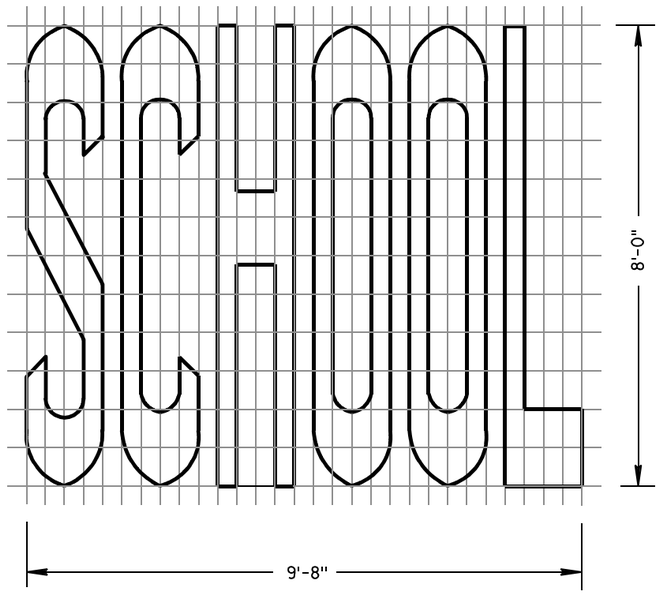


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-1-11 — DATE

/S/ Thomas N. Nothohm — STATE TRAFFIC ENGINEER

FHWA

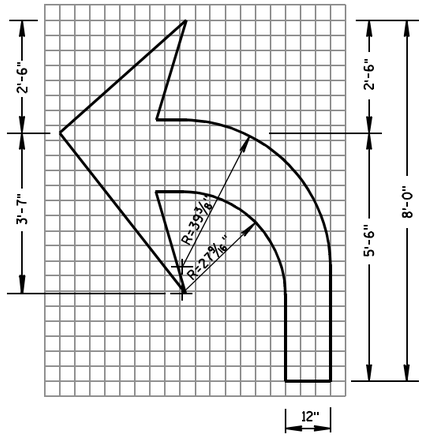
IGN

6

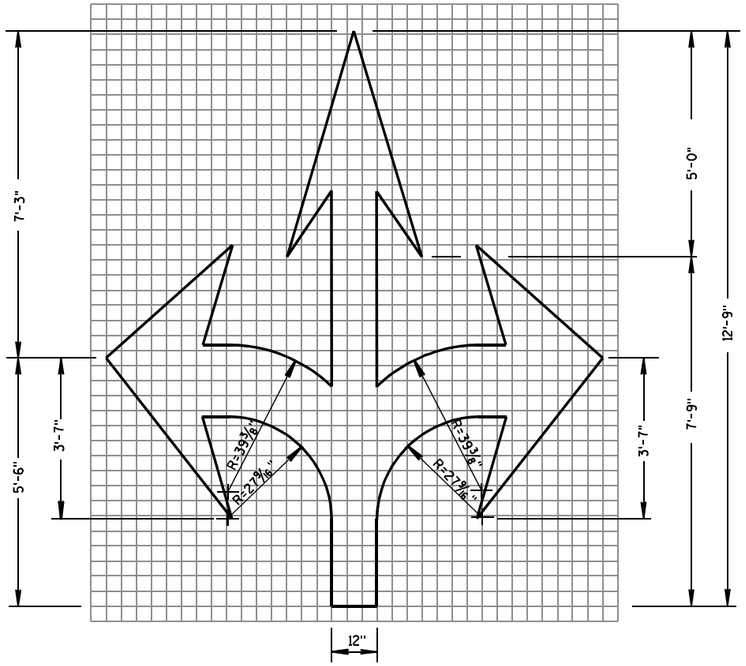
S.D.D. 15 C 7-12b

6

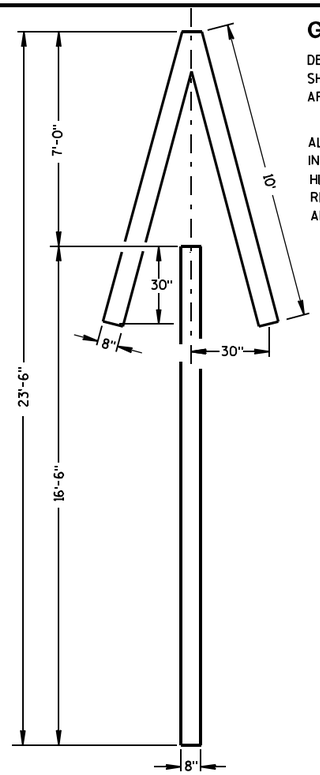
S.D.D. 15 C 7-12b



TYPE 2



TYPE 6

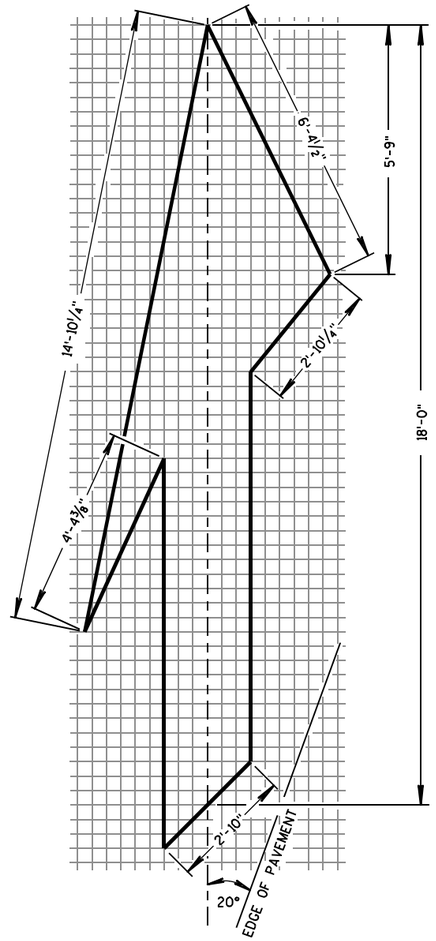


TYPE 4

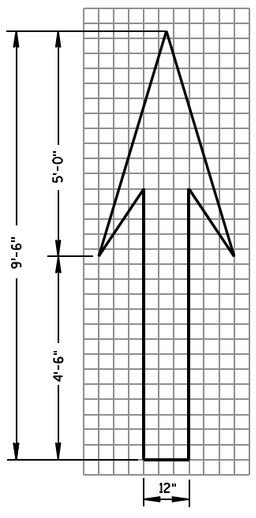
GENERAL NOTES

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

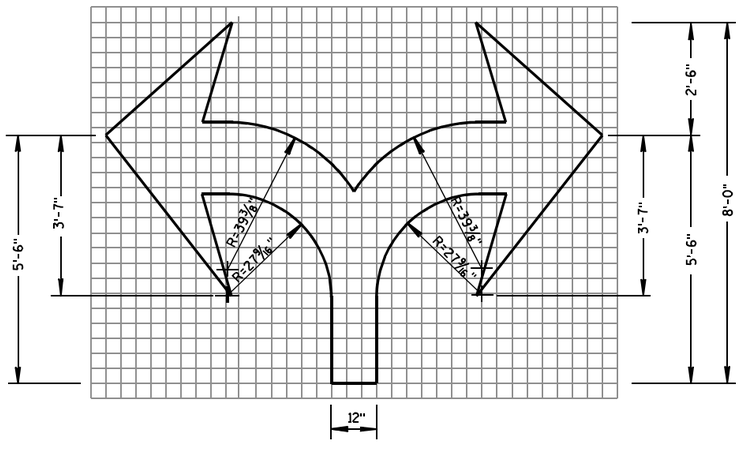
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES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



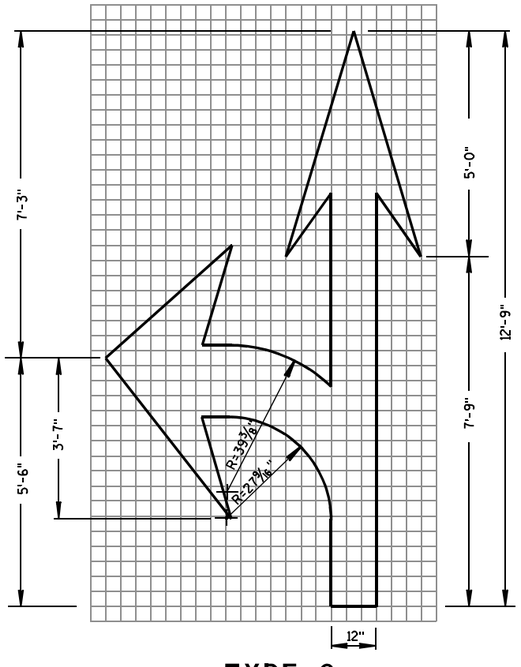
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N. Nothdurft — STATE TRAFFIC ENGINEER

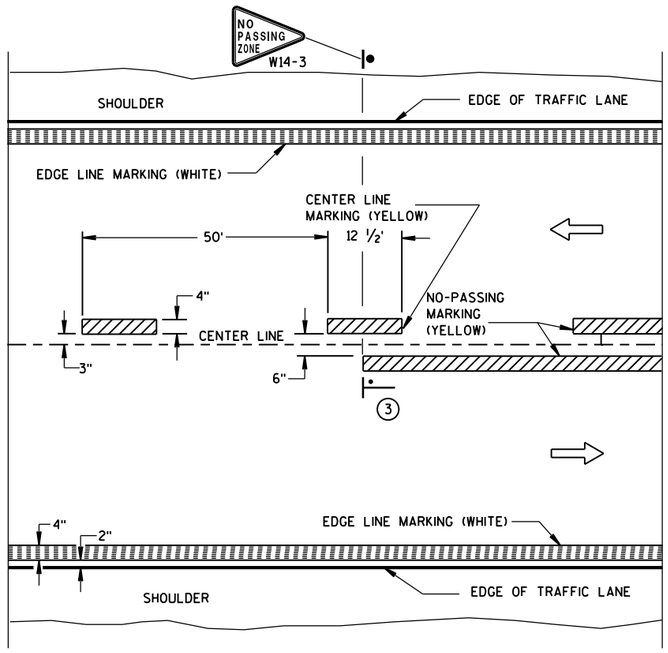
FHWA

6

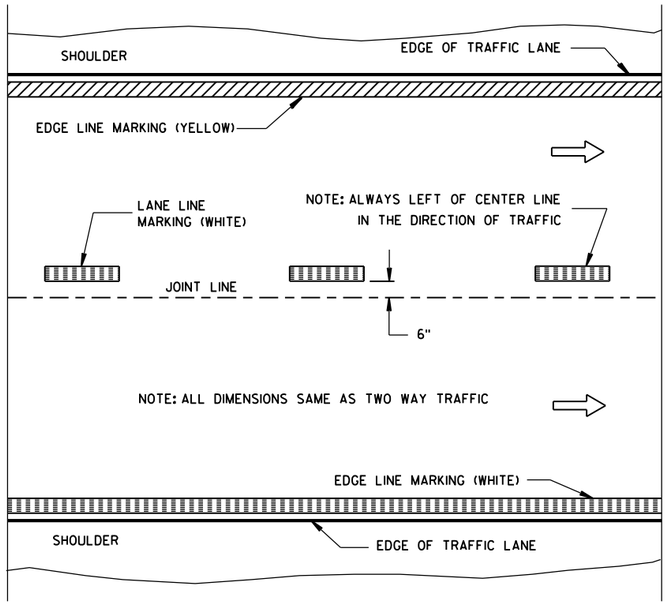
S.D.D. 15 C 7-12c

6

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

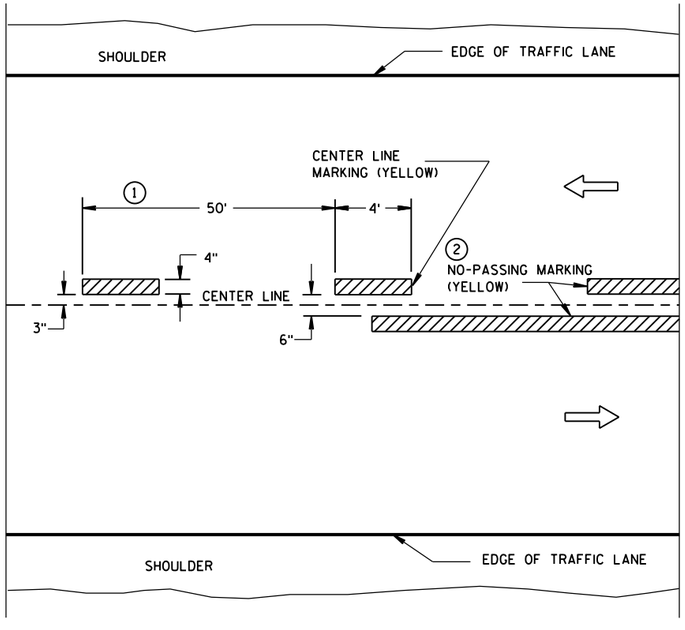


TWO WAY TRAFFIC

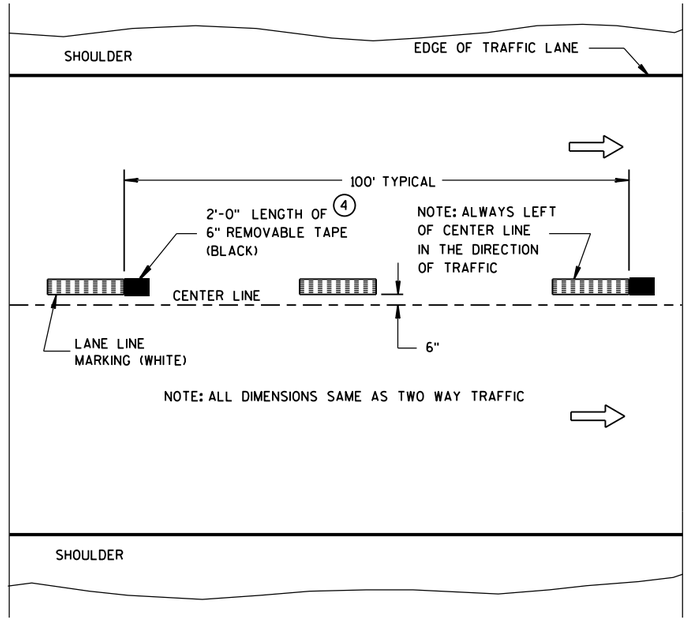


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

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

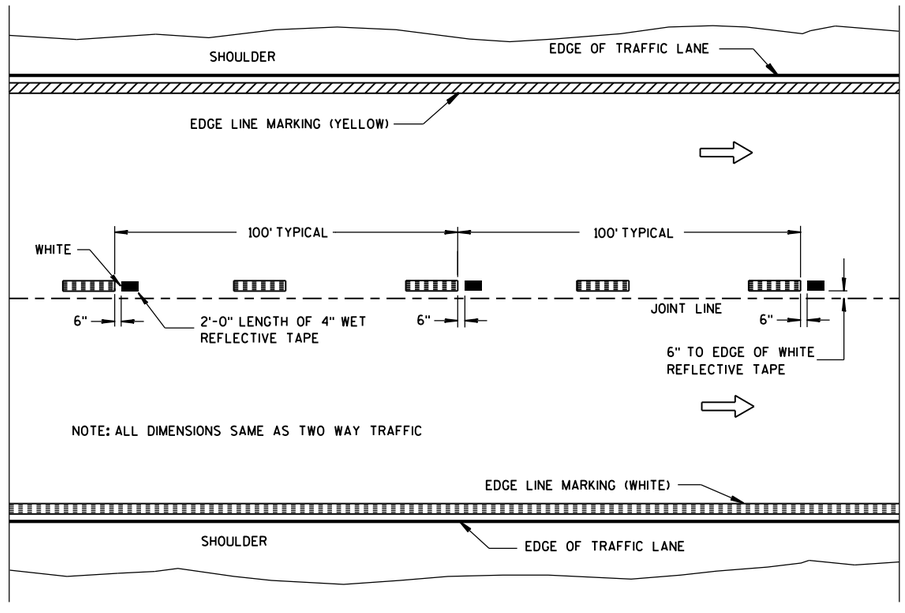
GENERAL NOTES

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

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

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



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

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-13-2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

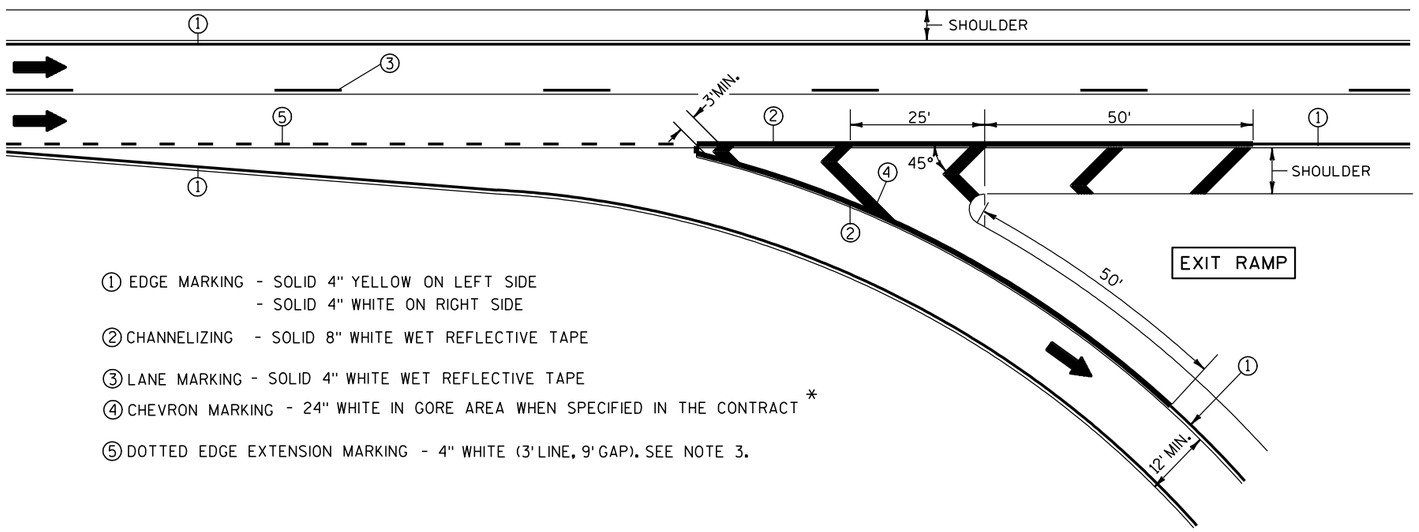
FHWA

6

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

6

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



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:

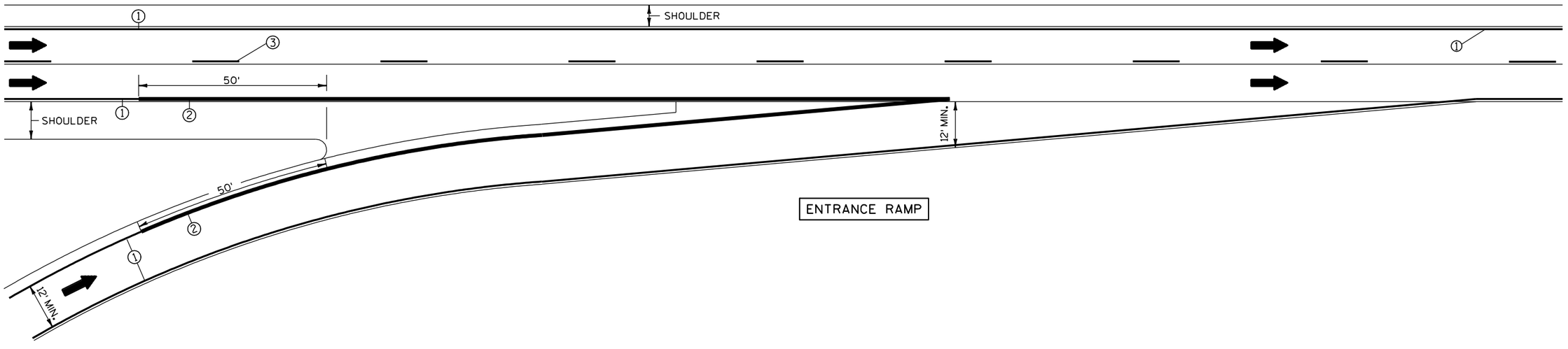
1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.

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

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

PAVEMENT MARKING
(RAMPS AND GORES)

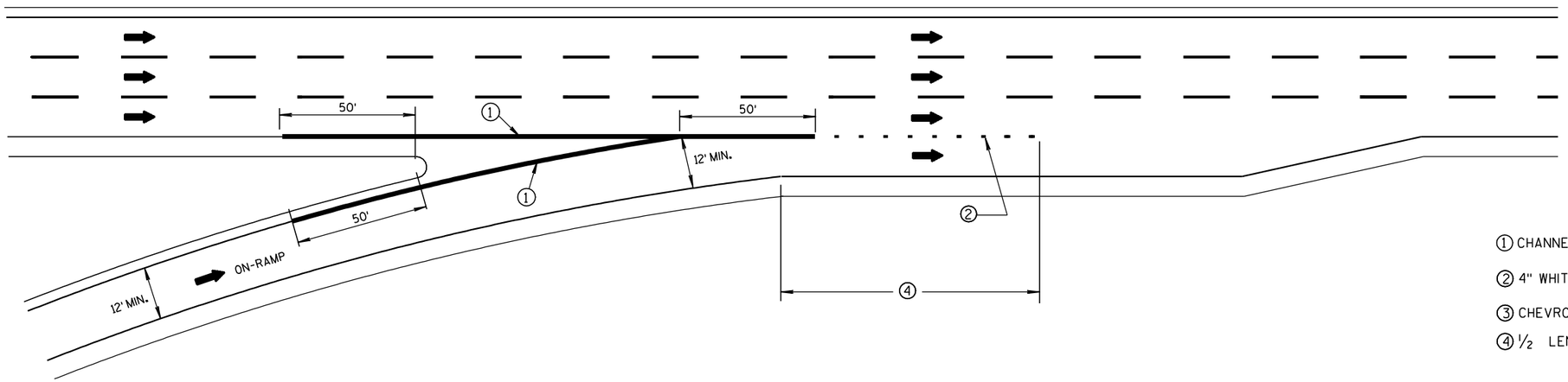
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

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

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.



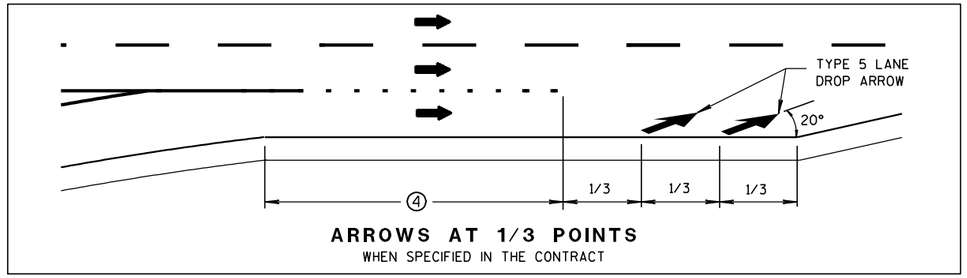
① CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE IN GORE AREA.

② 4" WHITE (3' LINE, 9' GAP).

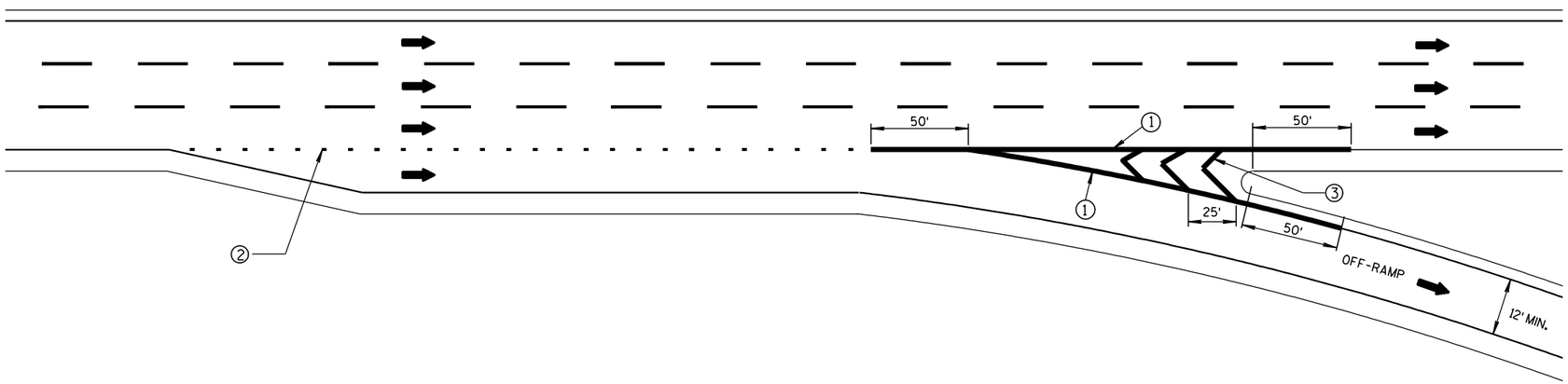
③ CHEVRON MARKING - 24" WHITE WHEN SPECIFIED IN THE CONTRACT.

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



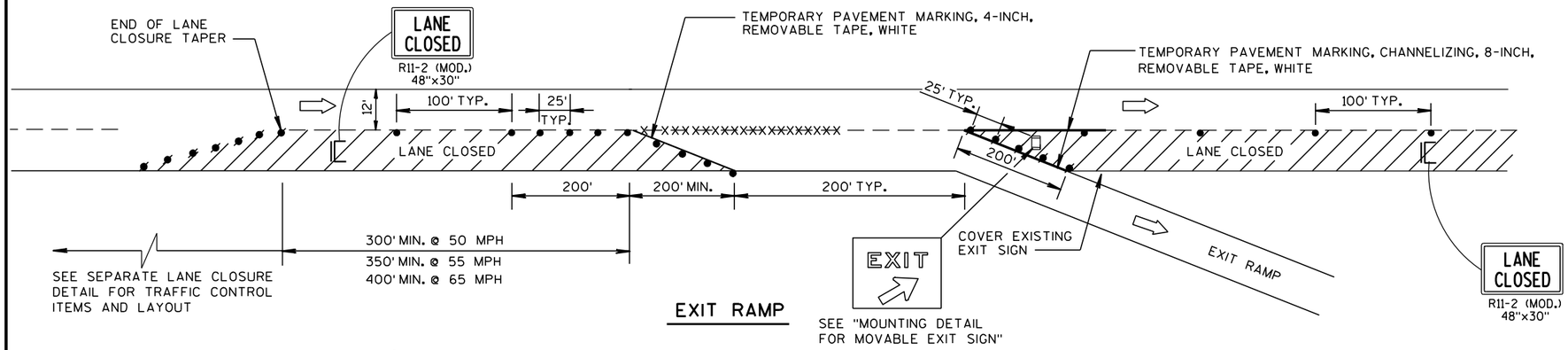
SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

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

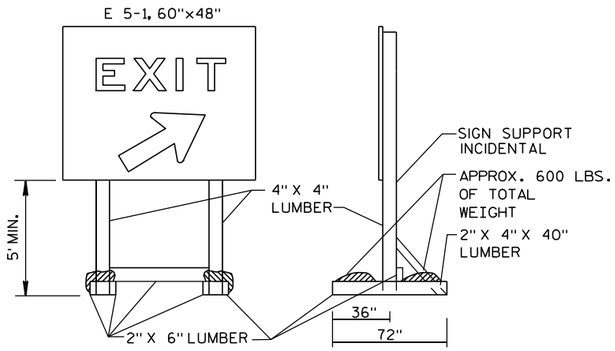
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/23/2011 DATE
/S/ Thomas N. Nothem STATE TRAFFIC ENGINE 195 SIGN
FHWA

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

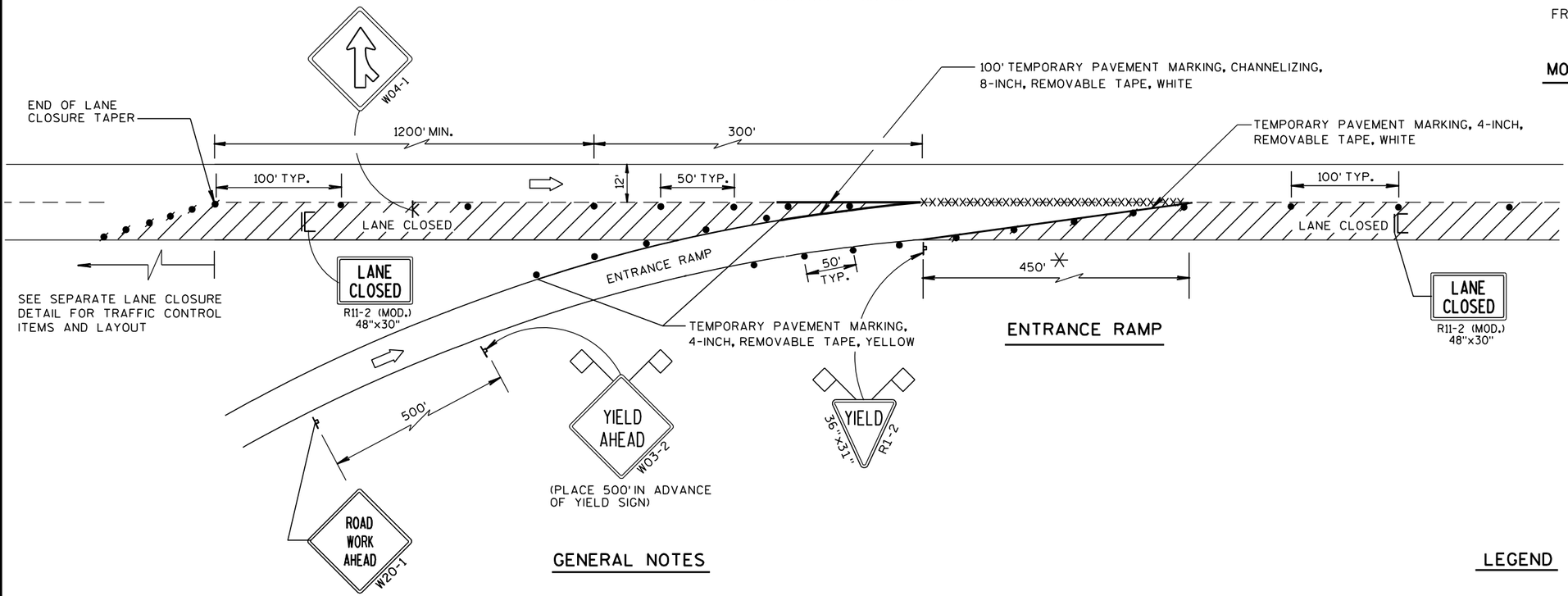


EXIT RAMP



NOTE: ALL LUMBER DIMENSIONS ARE NOMINAL

MOUNTING DETAIL FOR MOVABLE EXIT SIGN



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 R11-2 (MOD.) "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

- POST MOUNTED SIGN
- SIGN ON PORTABLE SUPPORT
- TRAFFIC CONTROL, DRUM
- TRAFFIC CONTROL, DRUM WITH WARNING LIGHT, TYPE C (STEADY-BURN)
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE (8' EQUIVALENT) WITH SIGN
- FLAGS, 16"x16" MIN., ORANGE
- DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/24/2000
DATE
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARKING ENGINEER
FHWA

6

S.D.D. 15 D 15-1

LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

TRAFFIC CONTROL DRUM

SIGN ON PERMANENT SUPPORT

TYPE "A" WARNING LIGHT (FLASHING)

DIRECTION OF TRAFFIC

GENERAL NOTES

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

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

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

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

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

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

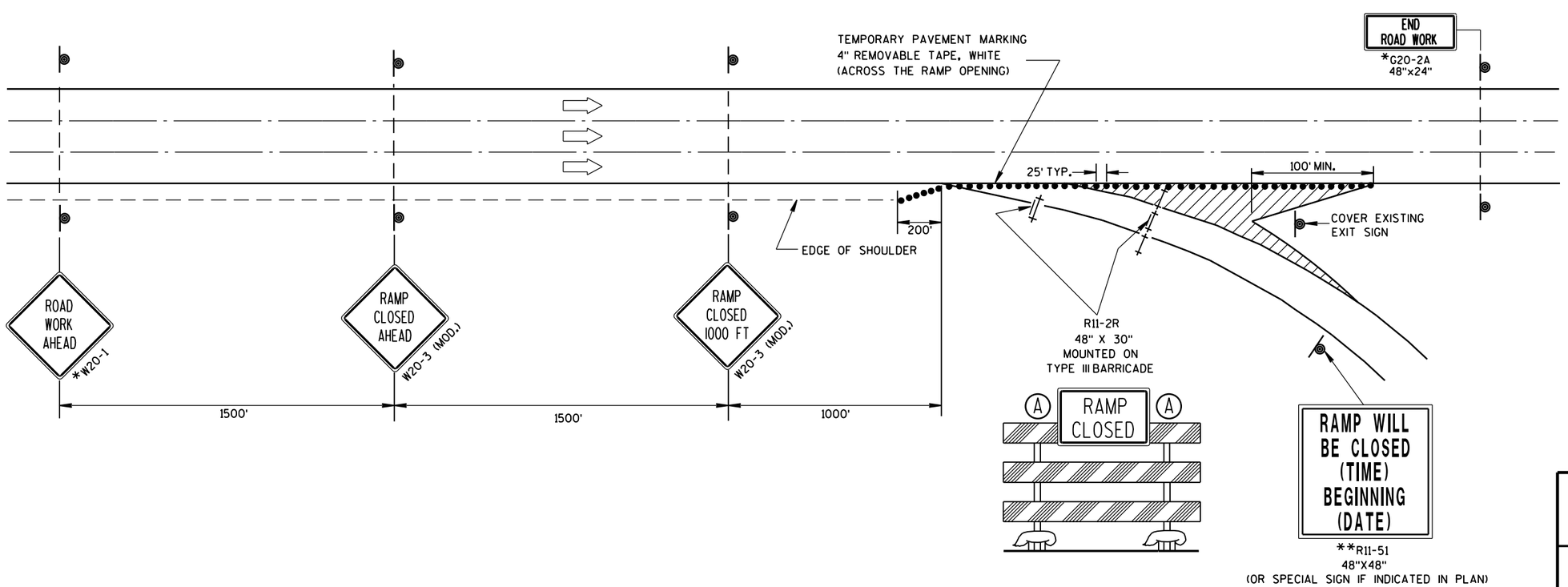
PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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 10 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



TRAFFIC CONTROL,
EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013
DATE

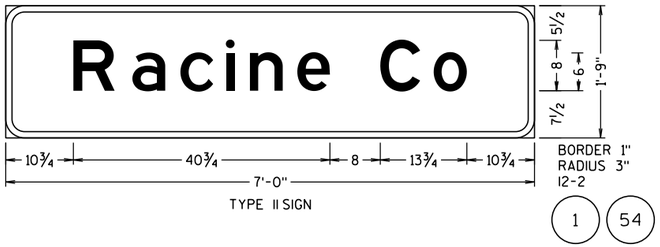
/S/ Travis Feltes
STATE TRAFFIC ENGINEER

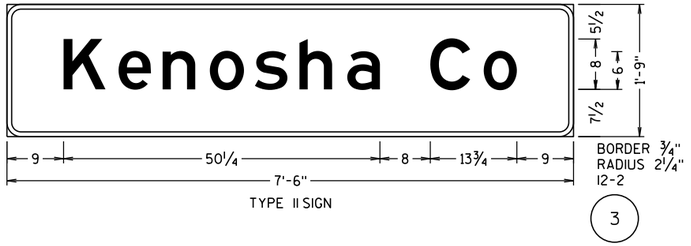
DESIGN

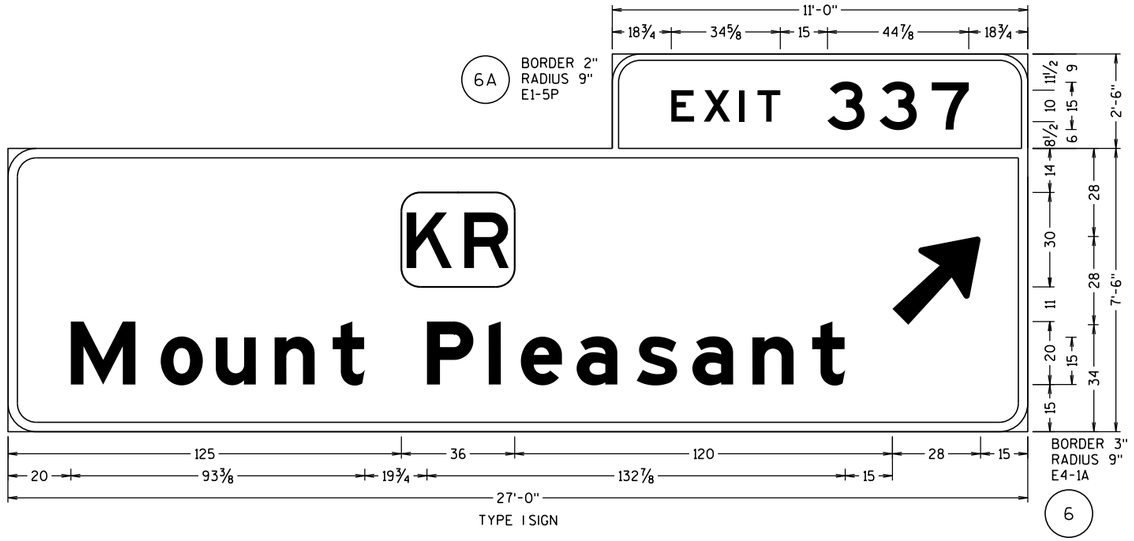
FHWA

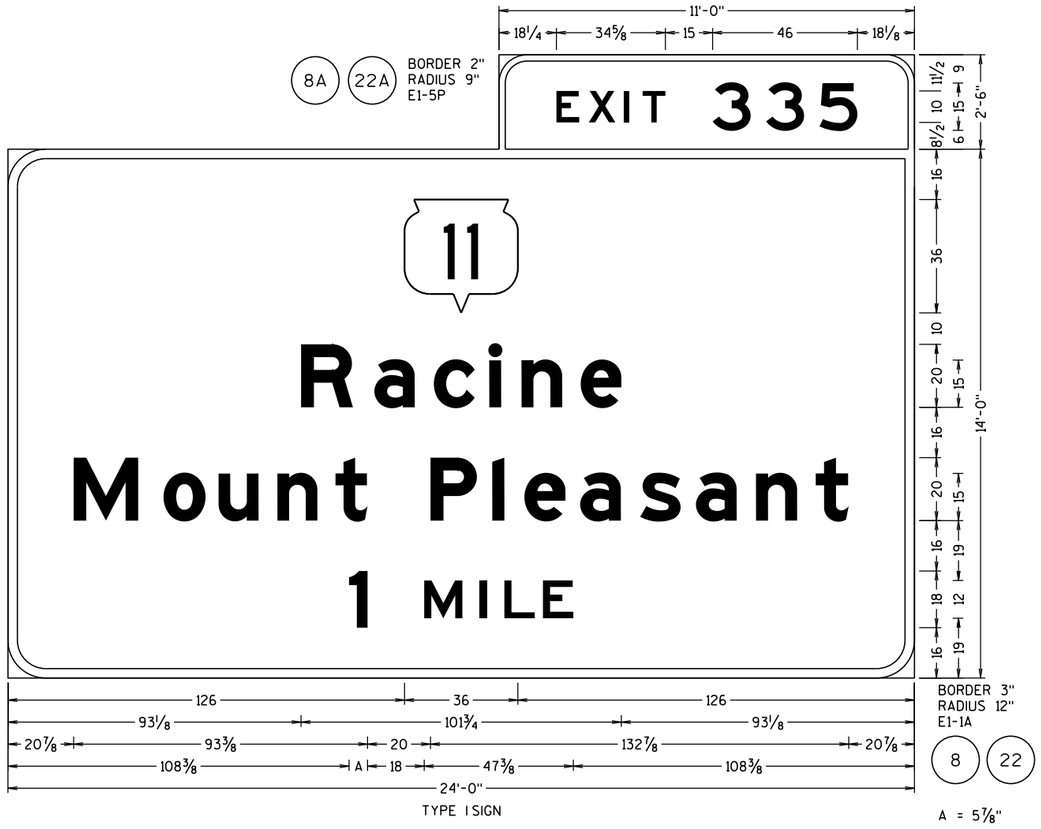
6

S.D.D. 15 D 16-2









GENERAL NOTES:

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

2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE I".

3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND, "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE TYPE SH REFLECTIVE SHEETING.

4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.

5. TYPE II SIGNS ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E. ALL LOWER CASE MESSAGE WITH AN INITIAL UPPER CASE LETTER SHALL BE "SERIES E.

6. TYPE I SIGNS - ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE SERIES "E" MODIFIED. ALL LOWER CASE MESSAGE WITH AN INITIAL UPPER CASE LETTER SHALL BE SERIES "E" MODIFIED. ALL CAP WORDS ARE "SERIES E"

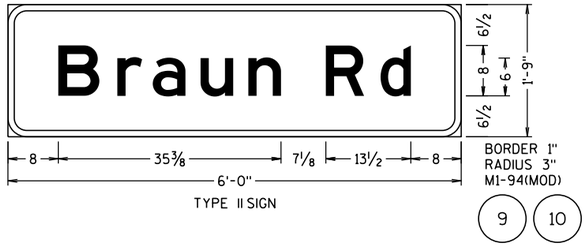
7. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.

8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.

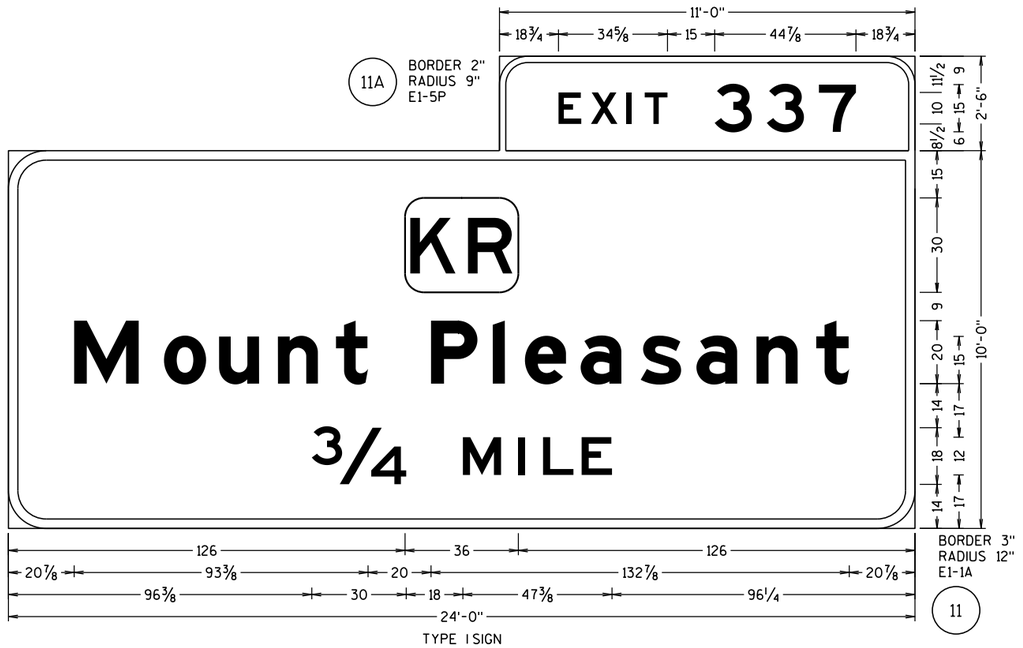
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.

10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE SERIES "E" PER PLATES A11-7 AND A11-10

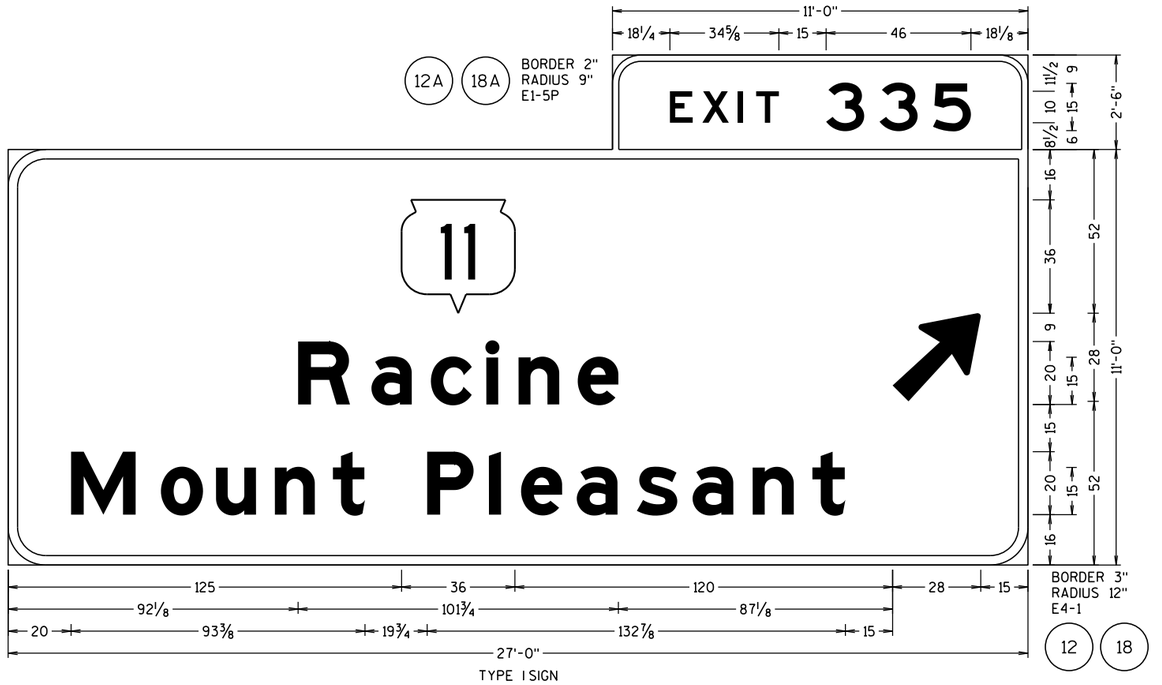
11. DO NOT SCALE.



TYPE II SIGN



TYPE I SIGN



TYPE I SIGN

GENERAL NOTES:

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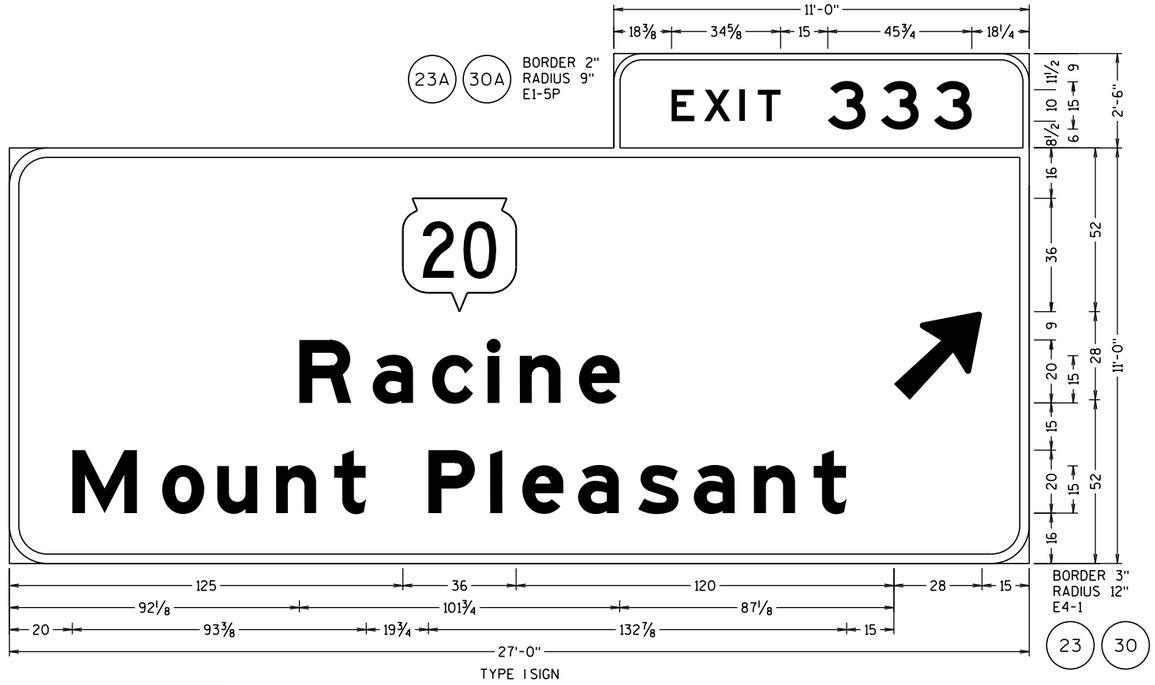
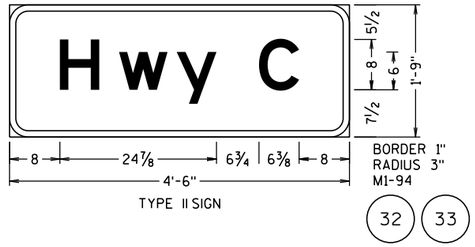
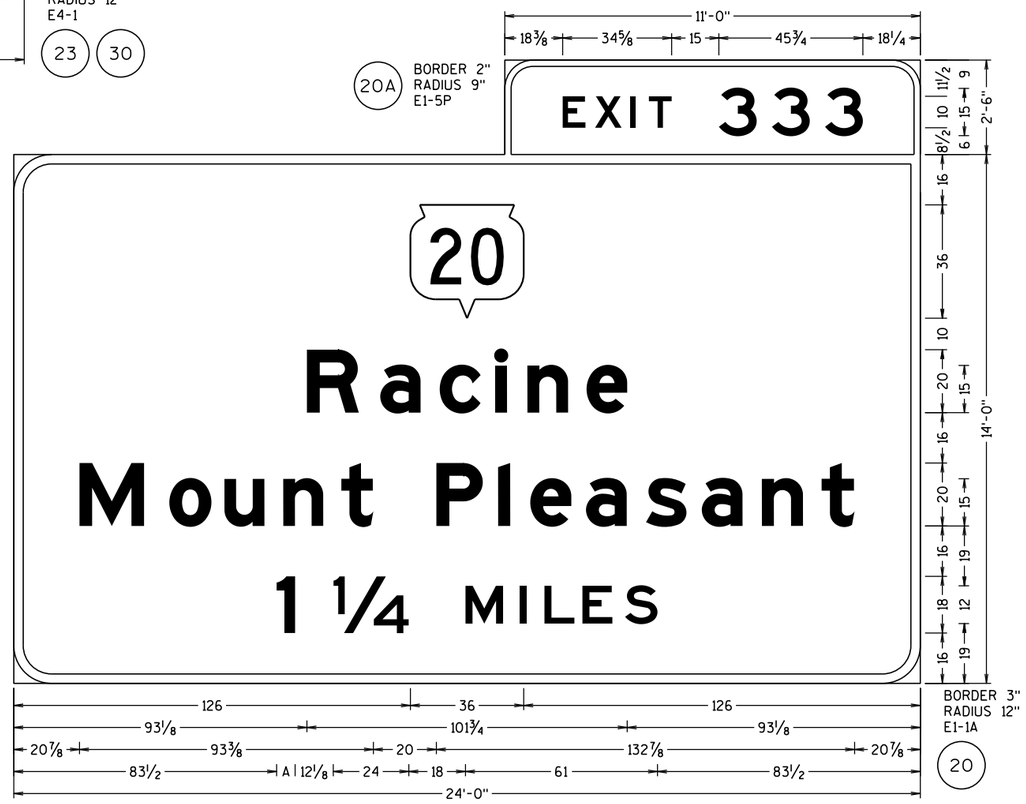


TYPE I SIGN



TYPE II SIGN



TYPE I SIGN

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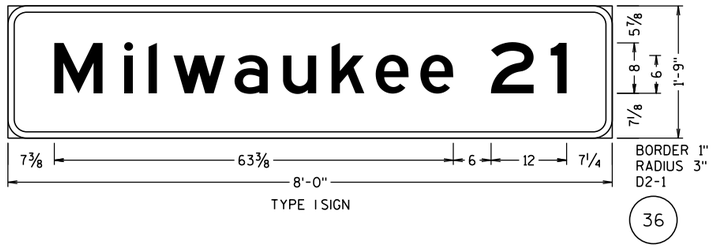
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.

10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE SERIES "E" PER PLATES A11-7 AND A11-10

11. DO NOT SCALE.

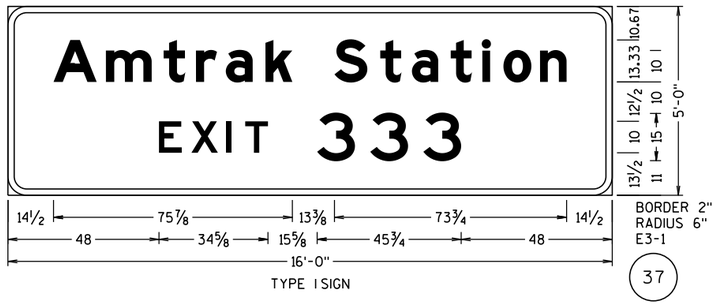
PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	SIGNING DETAIL - TYPE I & II SIGNS	SCALE: 0 1/2" 1"	SHEET 200	E

FILE NAME : J:\projects\d2_10303394\60\070101_ms.dgn PLOT DATE : 17-JAN-2014 12:30 PLOT BY : MSCCXV PLOT NAME : PLOT SCALE : 48.125:1
WISDOT/CADDS SHEET 47



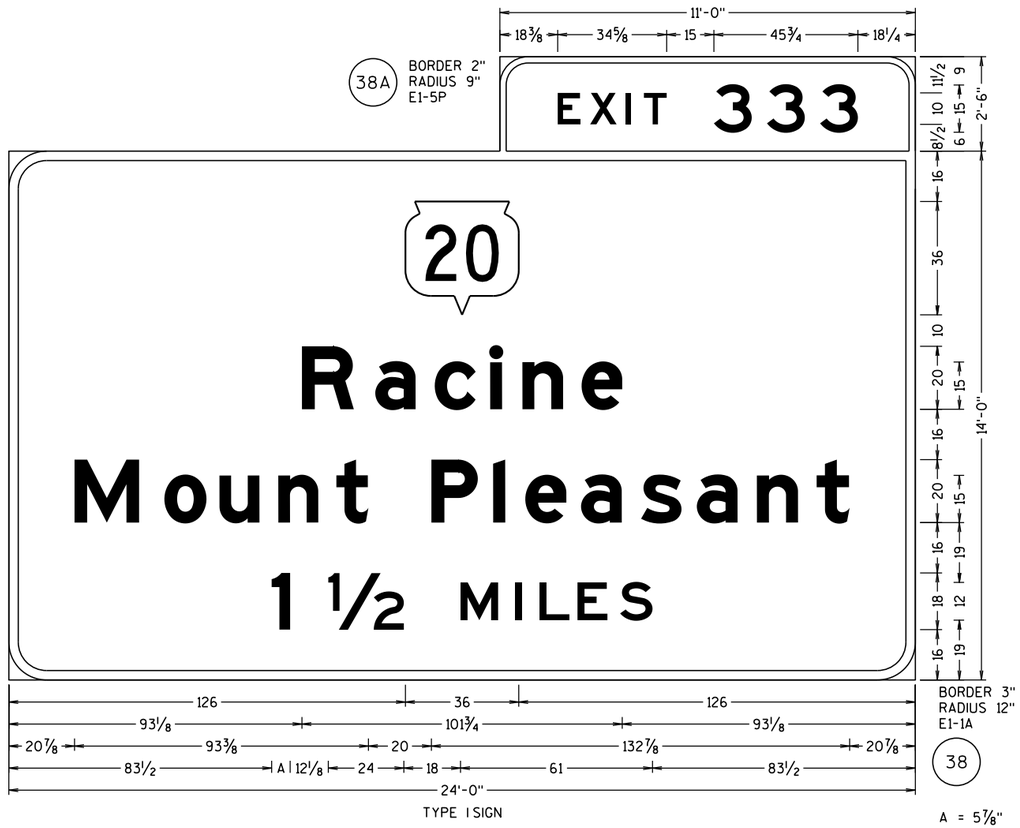
TYPE I SIGN

36



TYPE I SIGN

37



TYPE I SIGN

38

A = 5⅞"

GENERAL NOTES:

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10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE SERIES "E" PER PLATES A11-7 AND A11-10

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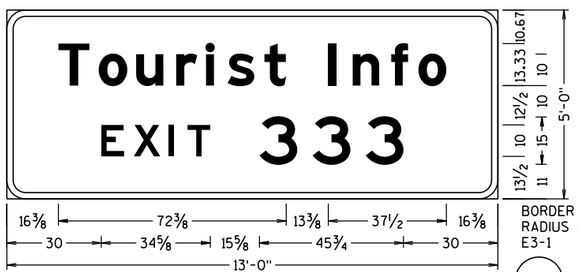
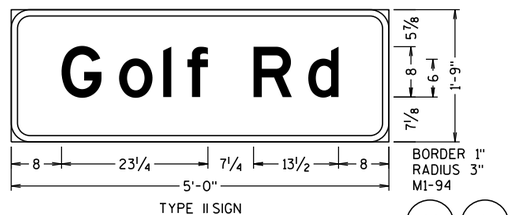


TYPE I SIGN

BACKGROUND - BLUE
MESSAGE - WHITE

39



TYPE II SIGN

40 41

SHEET 4 OF 6

PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	SIGNING DETAIL - TYPE I & II SIGNS	SCALE: 0 ½" 1"	SHEET 201	E

FILE NAME : J:\projects\d2_10303394\60\070101_ms.dgn PLOT DATE : 17-JAN-2014 12:30 PLOT BY : MSCCXV PLOT NAME : PLOT SCALE : 48.125:1

WISDOT/CADDS SHEET 47

GENERAL NOTES:

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

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8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.

9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.

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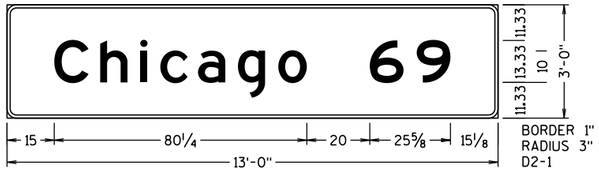
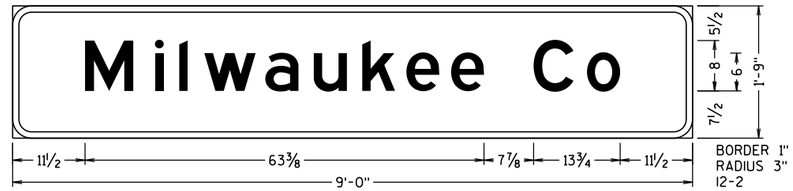
11. DO NOT SCALE.



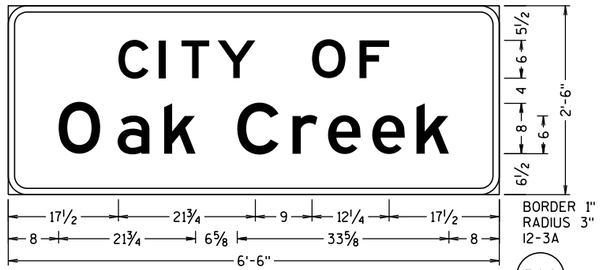
TYPE II SIGN

49



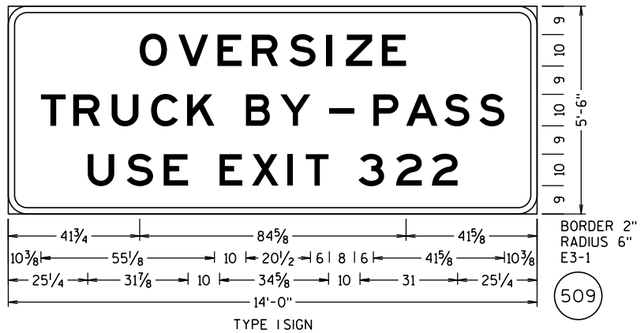
TYPE II SIGN

501



TYPE II SIGN

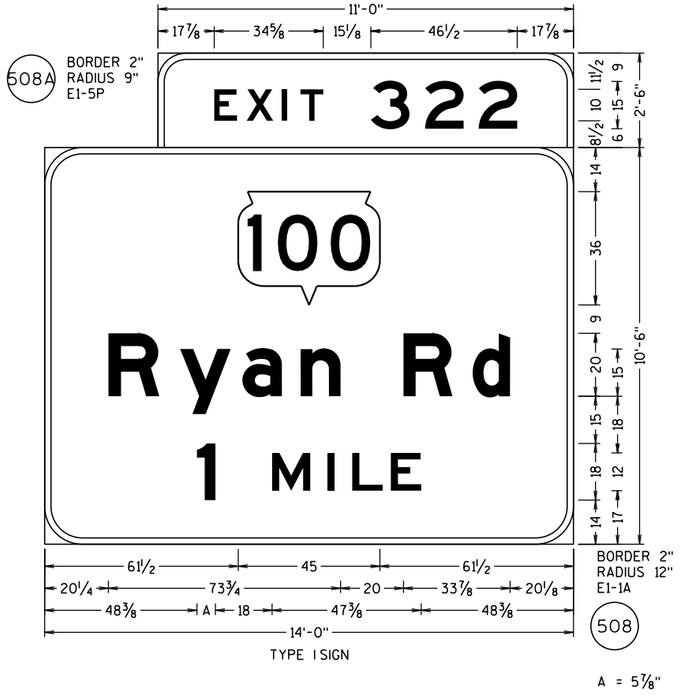
502



TYPE I SIGN

BACKGROUND - WHITE
MESSAGE - BLACK

509

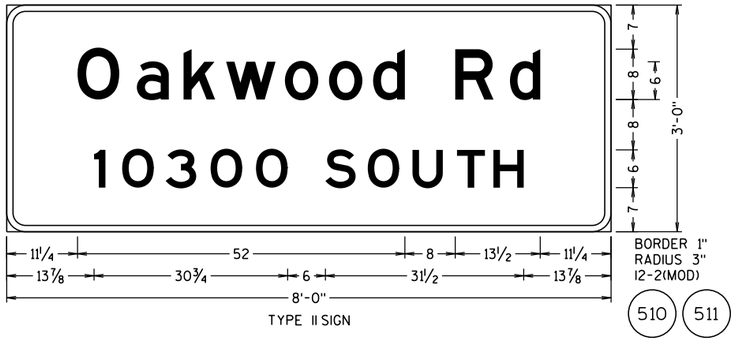


508A BORDER 2" RADIUS 9" E1-5P

TYPE I SIGN

508

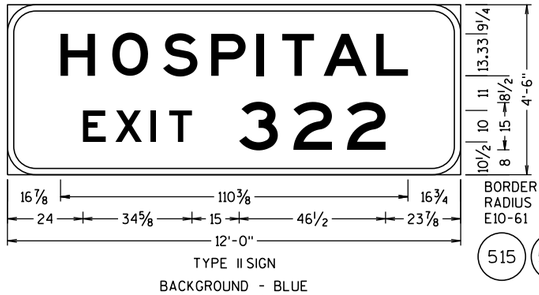
A = 5 7/8"



BORDER 1"
RADIUS 3"
I2-2(MOD)

510 511

TYPE II SIGN

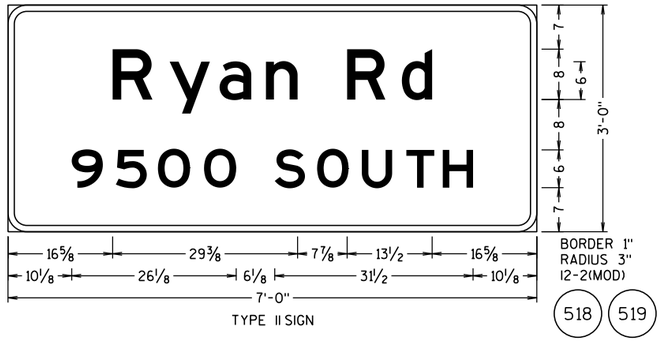


BORDER 2"
RADIUS 9"
E10-61

515 527

TYPE II SIGN

BACKGROUND - BLUE
MESSAGE - WHITE



BORDER 1"
RADIUS 3"
I2-2(MOD)

518 519

TYPE II SIGN

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE I".
3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND, "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE TYPE SH REFLECTIVE SHEETING.
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. TYPE II SIGNS ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E. ALL LOWER CASE MESSAGE WITH AN INITIAL UPPER CASE LETTER SHALL BE "SERIES E.
6. TYPE I SIGNS - ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE SERIES "E" MODIFIED. ALL LOWER CASE MESSAGE WITH AN INITIAL UPPER CASE LETTER SHALL BE SERIES "E" MODIFIED. ALL CAP WORDS ARE "SERIES E"
7. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE SERIES "E" PER PLATES A11-7 AND A11-10
11. DO NOT SCALE.

BORDER 2"
RADIUS 9"

529

TYPE I SIGN

BACKGROUND - BLUE
MESSAGE - WHITE

BORDER 1"
RADIUS 3"
I2-2(MOD)

530 531

TYPE II SIGN

SHEET 6 OF 6

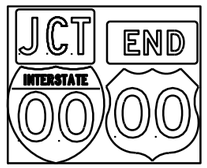
PROJECT NO: 1030-33-60	HWY: IH-94	COUNTY: RACINE	SIGNING DETAIL - TYPE I & II SIGNS	SCALE: 0 ½" 1"	SHEET 203	E

FILE NAME : J:\projects\d2_10303394\60\070101_ms.dgn PLOT DATE : 17-JAN-2014 12:30 PLOT BY : MSCCXV PLOT NAME : PLOT SCALE : 48.125:1

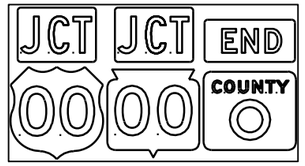
WISDOT/CADDS SHEET 47

TYPICAL ASSEMBLIES

J1-1

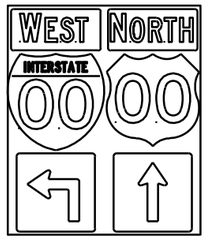


J1-2

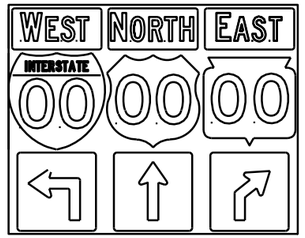


J1-3

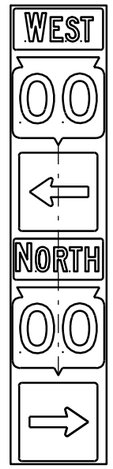
J2-1



J2-2

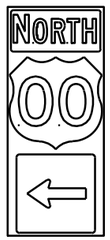


J2-3

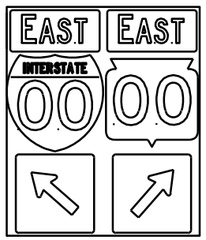


JV

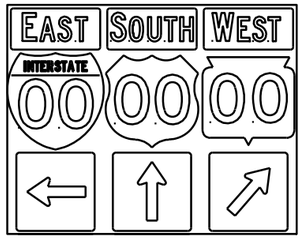
(Typical Vertical J-Assembly
See Note 10 and 11)



J3-1

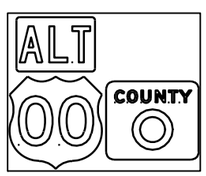


J3-2

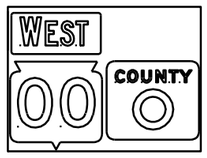


J3-3

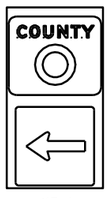
J4-1



J4-2



J4-2



J13-1

J12-1

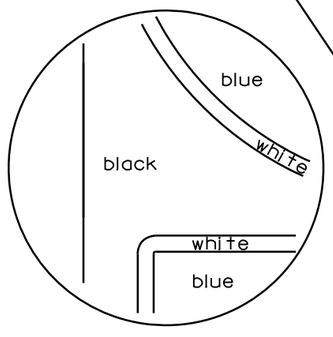
J32-1

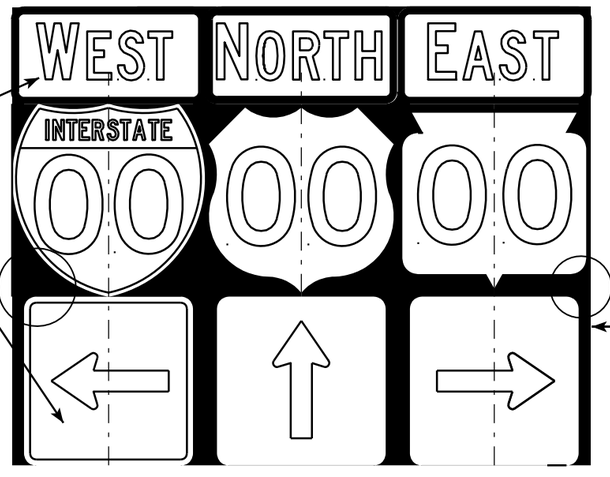
J33-1

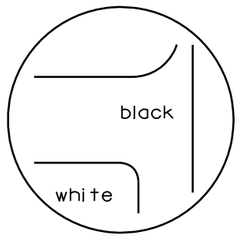
J23-1

J22-1

blue background
with interstate







black background

NOTES

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

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

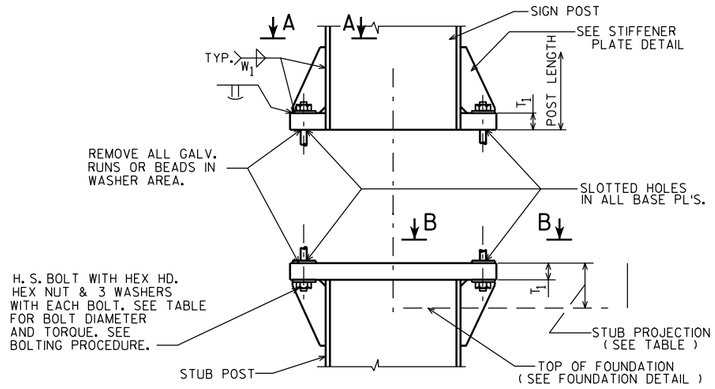
DATE 3/25/13 PLATE NO. A2-1S.7

7

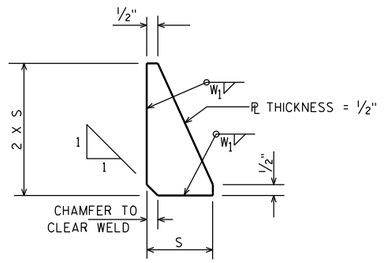
7

PROJECT NO:

SHEET NO: 204 E

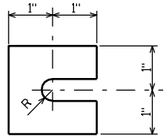


SIGN POST AND STUB POST ELEVATION



STIFFENER PLATE DETAIL

(SEE TABLE FOR DIMENSIONS)



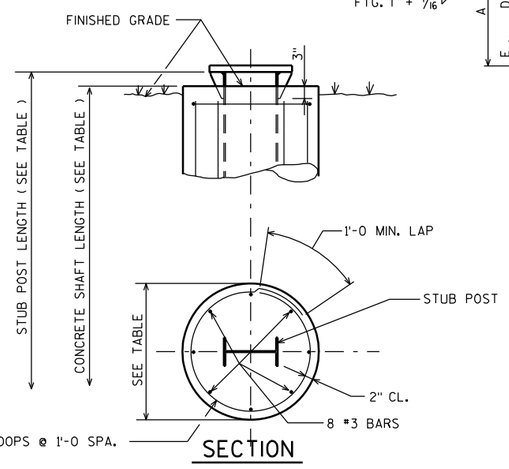
FURNISH 2 @ .012" ± THICK AND 2 @ .032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO A.S.T.M.- B36.

SHIM DETAIL

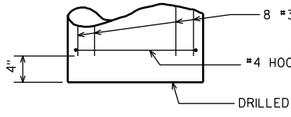
POST DETAIL

	QUANTITIES FOR 1 FOOTING		
	CONC. MASONRY C.Y.	REINF. STEEL LBS.
A	0.6	34
B	0.8	49
C	0.9	50
D	0.9	56
⑦ E	1.0	62

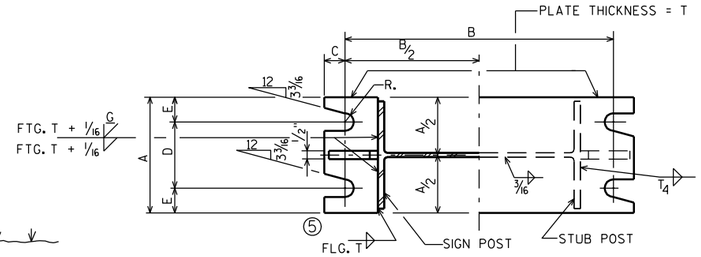
REINF.	TYPE	#3	#4
	A	8 @ 4'-5	5 @ 6'-3
	B	8 @ 6'-5	7 @ 6'-3
	C	8 @ 6'-11	7 @ 6'-3
	D	8 @ 7'-5	8 @ 6'-3
⑦	E	8 @ 7'-11	9 @ 6'-3



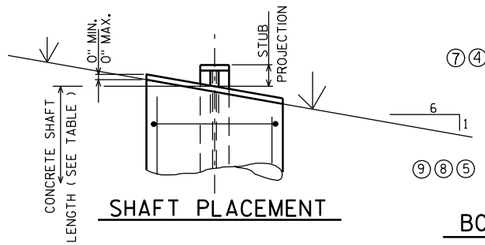
SECTION



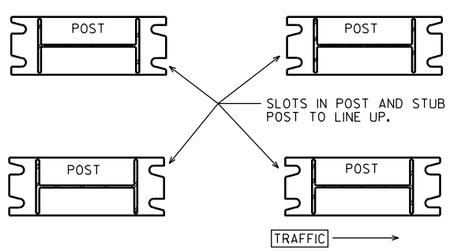
FOUNDATION DETAIL



SECTION A-A SECTION B-B



SHAFT PLACEMENT



POST SLOT ORIENTATION ⑦

DESIGN DATA

WIND PRESSURE = 75 M.P.H.
WIND COMPONENTS - NORMAL = 1.0 TRANSVERSE = 0.0
ICE LOAD = 3 P.S.F.

GROUP LOADS	PERCENT OF ALLOWABLE STRESS
1. DEAD	100
2. DEAD & WIND	140
3. DEAD, ICE & 1/2 WIND△	140 △25 P.S.F. MIN.

ALLOWABLE SOIL PRESSURE = 1½T / SQ. FT.
WIND LOAD WAS APPLIED TO THE AREA OF THE SIGN AND TO THE SUPPORTING MEMBERS.
ICE LOAD WAS APPLIED TO ONE FACE OF THE SIGN AND AROUND THE SURFACE OF THE SUPPORTING MEMBERS.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
DESIGN CONFORMS WITH A.A.S.H.T.O. SPECIFICATIONS 1985.
ALL POSTS, POST STUBS & ATTACHMENTS SHALL BE A.S.T.M. A709 GRADE 50.
⑨ THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.
H.S. BOLTS, WASHERS & NUTS SHALL BE A325 GALVANIZED WHEN POSTS, POST STUBS AND ATTACHMENTS ARE A709 GRADE 50 AND GALVANIZED.

BOLTING PROCEDURE - BASE CONNECTION

1. ASSEMBLE SIGN POST TO STUB POST WITH BOLTS AND ONE OF THE FLAT WASHERS ON EACH BOLT BETW. PLATES.
2. SHIM AS REQ'D. TO PLUMB POST.
3. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS, THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. (SEE TABLE)
4. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

NOTE:
TIGHTEN THE HIGH STRENGTH BOLTS TO THE TORQUE SHOWN. DO NOT OVERTIGHTEN.

	TYPE	DIMENSION / POST SIZE	BASE CONNECTION DATA TABLE: BOLT SIZE & TORQUE	A	B	C	D	E	T_1	T_4	W_1	R	S	FOUNDATION DATA: STUB LENGTH	STUB PROJECTION	SHAFT DIAMETER	SHAFT LENGTH	② K
④	A	W10"X12.0 #/FT.	3/4" Φ @ 75#-FT.	5 1/4"	1'-0 3/8	7/8"	3 1/2"	7/8"	1"	3/16"	5/16"	13/32 "	2 1/8"	3'-6	3"	2'-0 Φ	5'-0	76.0# ④
④	B	W12"X16.0 #/FT.	7/8" Φ @ 85#-FT.	5 1/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/4"	1/4"	5/16"	15/32 "	3"	5'-6	3"	2'-0 Φ	7'-0	146.5# ④
	C	W12"X19.0 #/FT.	7/8" Φ @ 85#-FT.	5 1/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/2"	5/16"	5/16"	15/32 "	3"	6'-0	3"	2'-0 Φ	7'-6	182.1#
	D	W12"X22.0 #/FT.	7/8" Φ @ 85#-FT.	5 1/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/2"	3/8"	5/16"	15/32 "	3"	6'-6	3"	2'-0 Φ	8'-0	210.5#
③	E	W12"X26.0 #/FT.	1" Φ @ 90#-FT.	7"	1'-4 1/4	1 1/4"	4"	1 1/2"	1 1/2"	3/8"	5/16"	17/32 "	3"	7'-0	3"	2'-0 Φ	8'-6	293.0# ③

① ⑥ ①

STRUCTURAL CARBON STEEL PAY WTS. (1 POST) = K+ (POST LENGTH X POST WT.)
" K " INCLUDES STUB, BASE PLATES, STIFFS., BOLTS, AND WASHERS.

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer
DATE 4/26/11 PLATE NO. A3-1.13

NO.	DATE	REVISION
⑨	4-26-11	REMOVE NON-GALVANIZED
⑧	10-30-96	NOT GALVANIZED/GALVANIZED
⑦	10-30-92	QUANT., A588 EXCEPT., ADD SLOT VIEW
⑥	8-24-87	BASE CONN. WELD
⑤	10-13-81	BASE CONN. WELD & FUSE PL WASHERS
④	10-19-79	POST A & B, A572 GR. 50, & K
②	11-28-78	"K" ③ 4-23-79 TYPE "E"
①	5-4-78	T_1 , T_2 & W_1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

TYPE A, B, C, D, & E

CONST. SPEC. 2011 | DRAWN BY JPH | PLANS CK'D.

FTG. & SIGN SUPPORT DETAILS GROUND MOUNT BREAK-AWAY SIGNS

SHEET

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 205 | E

VERITCAL DIMENSION ⇨

HORIZONTAL DIMENSION ⇩

⇩ \ ⇨	2.5 ft.	3 ft.	3.5 ft.	4 ft.	4.5 ft.	5 ft.	5.5 ft.	6 ft.	6.5 ft.	7 ft.	7.5 ft.	8 ft.	8.5 ft.	9 ft.	9.5 ft.	10 ft.	10.5 ft.	11 ft.	11.5 ft.	12 ft.	12.5 ft.	13 ft.	13.5 ft.	14 ft.	14.5 ft.	15 ft.	15.5 ft.	16 ft.
10 ft.	25 Sq. Ft	30 Sq. Ft	35 Sq. Ft	40 Sq. Ft	45 Sq. Ft	50 Sq. Ft	55 Sq. Ft	60 Sq. Ft	65 Sq. Ft	70 Sq. Ft	75 Sq. Ft	80 Sq. Ft	85 Sq. Ft	90 Sq. Ft	95 Sq. Ft	100 Sq. Ft	105 Sq. Ft	110 Sq. Ft	115 Sq. Ft	120 Sq. Ft	125 Sq. Ft	130 Sq. Ft	135 Sq. Ft	140 Sq. Ft	145 Sq. Ft	150 Sq. Ft	155 Sq. Ft	160 Sq. Ft
11 ft.	27.5 Sq. Ft	33 Sq. Ft	38.5 Sq. Ft	44 Sq. Ft	49.5 Sq. Ft	55 Sq. Ft	60.5 Sq. Ft	66 Sq. Ft	71.5 Sq. Ft	77 Sq. Ft	82.5 Sq. Ft	88 Sq. Ft	93.5 Sq. Ft	99 Sq. Ft	104.5 Sq. Ft	110 Sq. Ft	115.5 Sq. Ft	121 Sq. Ft	126.5 Sq. Ft	132 Sq. Ft	137.5 Sq. Ft	143 Sq. Ft	148.5 Sq. Ft	154 Sq. Ft	159.5 Sq. Ft	165 Sq. Ft	170.5 Sq. Ft	176 Sq. Ft
12 ft.	30 Sq. Ft	36 Sq. Ft	42 Sq. Ft	48 Sq. Ft	54 Sq. Ft	60 Sq. Ft	66 Sq. Ft	72 Sq. Ft	78 Sq. Ft	84 Sq. Ft	90 Sq. Ft	96 Sq. Ft	102 Sq. Ft	108 Sq. Ft	114 Sq. Ft	120 Sq. Ft	126 Sq. Ft	132 Sq. Ft	138 Sq. Ft	144 Sq. Ft	150 Sq. Ft	156 Sq. Ft	162 Sq. Ft	168 Sq. Ft	174 Sq. Ft	180 Sq. Ft	186 Sq. Ft	192 Sq. Ft
13 ft.	32.5 Sq. Ft	39 Sq. Ft	45.5 Sq. Ft	52 Sq. Ft	58.5 Sq. Ft	65 Sq. Ft	71.5 Sq. Ft	78 Sq. Ft	84.5 Sq. Ft	91 Sq. Ft	97.5 Sq. Ft	104 Sq. Ft	110.5 Sq. Ft	117 Sq. Ft	123.5 Sq. Ft	130 Sq. Ft	136.5 Sq. Ft	143 Sq. Ft	149.5 Sq. Ft	156 Sq. Ft	162.5 Sq. Ft	169 Sq. Ft	175.5 Sq. Ft	182 Sq. Ft	188.5 Sq. Ft	195 Sq. Ft	201.5 Sq. Ft	208 Sq. Ft
14 ft.	35 Sq. Ft	42 Sq. Ft	49 Sq. Ft	56 Sq. Ft	63 Sq. Ft	70 Sq. Ft	77 Sq. Ft	84 Sq. Ft	91 Sq. Ft	98 Sq. Ft	105 Sq. Ft	112 Sq. Ft	119 Sq. Ft	126 Sq. Ft	133 Sq. Ft	140 Sq. Ft	147 Sq. Ft	154 Sq. Ft	161 Sq. Ft	168 Sq. Ft	175 Sq. Ft	182 Sq. Ft	189 Sq. Ft	196 Sq. Ft	203 Sq. Ft	210 Sq. Ft	217 Sq. Ft	224 Sq. Ft
15 ft.	37.5 Sq. Ft	45 Sq. Ft	52.5 Sq. Ft	60 Sq. Ft	67.5 Sq. Ft	75 Sq. Ft	82.5 Sq. Ft	90 Sq. Ft	97.5 Sq. Ft	105 Sq. Ft	112.5 Sq. Ft	120 Sq. Ft	127.5 Sq. Ft	135 Sq. Ft	142.5 Sq. Ft	150 Sq. Ft	157.5 Sq. Ft	165 Sq. Ft	172.5 Sq. Ft	180 Sq. Ft	187.5 Sq. Ft	195 Sq. Ft	202.5 Sq. Ft	210 Sq. Ft	217.5 Sq. Ft	225 Sq. Ft	232.5 Sq. Ft	240 Sq. Ft
16 ft.	40 Sq. Ft	48 Sq. Ft	56 Sq. Ft	64 Sq. Ft	72 Sq. Ft	80 Sq. Ft	88 Sq. Ft	96 Sq. Ft	104 Sq. Ft	112 Sq. Ft	120 Sq. Ft	128 Sq. Ft	136 Sq. Ft	144 Sq. Ft	152 Sq. Ft	160 Sq. Ft	168 Sq. Ft	176 Sq. Ft	184 Sq. Ft	192 Sq. Ft	200 Sq. Ft	208 Sq. Ft	216 Sq. Ft	224 Sq. Ft	232 Sq. Ft	240 Sq. Ft	248 Sq. Ft	256 Sq. Ft
17 ft.	42.5 Sq. Ft	51 Sq. Ft	59.5 Sq. Ft	68 Sq. Ft	76.5 Sq. Ft	85 Sq. Ft	93.5 Sq. Ft	102 Sq. Ft	110.5 Sq. Ft	119 Sq. Ft	127.5 Sq. Ft	136 Sq. Ft	144.5 Sq. Ft	153 Sq. Ft	161.5 Sq. Ft	170 Sq. Ft	178.5 Sq. Ft	187 Sq. Ft	195.5 Sq. Ft	204 Sq. Ft	212.5 Sq. Ft	221 Sq. Ft	229.5 Sq. Ft	238 Sq. Ft	246.5 Sq. Ft	255 Sq. Ft	263.5 Sq. Ft	272 Sq. Ft
18 ft.	45 Sq. Ft	54 Sq. Ft	63 Sq. Ft	72 Sq. Ft	81 Sq. Ft	90 Sq. Ft	99 Sq. Ft	108 Sq. Ft	117 Sq. Ft	126 Sq. Ft	135 Sq. Ft	144 Sq. Ft	153 Sq. Ft	162 Sq. Ft	171 Sq. Ft	180 Sq. Ft	189 Sq. Ft	198 Sq. Ft	207 Sq. Ft	216 Sq. Ft	225 Sq. Ft	234 Sq. Ft	243 Sq. Ft	252 Sq. Ft	261 Sq. Ft	270 Sq. Ft	279 Sq. Ft	288 Sq. Ft
19 ft.	47.5 Sq. Ft	57 Sq. Ft	66.5 Sq. Ft	76 Sq. Ft	85.5 Sq. Ft	95 Sq. Ft	104.5 Sq. Ft	114 Sq. Ft	123.5 Sq. Ft	133 Sq. Ft	142.5 Sq. Ft	152 Sq. Ft	161.5 Sq. Ft	171 Sq. Ft	180.5 Sq. Ft	190 Sq. Ft	199.5 Sq. Ft	209 Sq. Ft	218.5 Sq. Ft	228 Sq. Ft	237.5 Sq. Ft	247 Sq. Ft	256.5 Sq. Ft	266 Sq. Ft	275.5 Sq. Ft	285 Sq. Ft	294.5 Sq. Ft	304 Sq. Ft
20 ft.	50 Sq. Ft	60 Sq. Ft	70 Sq. Ft	80 Sq. Ft	90 Sq. Ft	100 Sq. Ft	110 Sq. Ft	120 Sq. Ft	130 Sq. Ft	140 Sq. Ft	150 Sq. Ft	160 Sq. Ft	170 Sq. Ft	180 Sq. Ft	190 Sq. Ft	200 Sq. Ft	210 Sq. Ft	220 Sq. Ft	230 Sq. Ft	240 Sq. Ft	250 Sq. Ft	260 Sq. Ft	270 Sq. Ft	280 Sq. Ft	290 Sq. Ft	300 Sq. Ft	310 Sq. Ft	320 Sq. Ft
21 ft.	52.5 Sq. Ft	63 Sq. Ft	73.5 Sq. Ft	84 Sq. Ft	94.5 Sq. Ft	105 Sq. Ft	115.5 Sq. Ft	126 Sq. Ft	136.5 Sq. Ft	147 Sq. Ft	157.5 Sq. Ft	168 Sq. Ft	178.5 Sq. Ft	189 Sq. Ft	199.5 Sq. Ft	210 Sq. Ft	220.5 Sq. Ft	231 Sq. Ft	241.5 Sq. Ft	252 Sq. Ft	262.5 Sq. Ft	273 Sq. Ft	283.5 Sq. Ft	294 Sq. Ft	304.5 Sq. Ft	315 Sq. Ft	325.5 Sq. Ft	336 Sq. Ft

Type "A" (2 Posts)
1.2 CY Conc.
68 LBs Bar Steel

Type "B" (2 Posts)
1.6 CY Conc.
98 LBs Bar Steel

Type "C" (2 Posts)
1.8 CY Conc.
100 LBs Bar Steel

Type "D" (2 Posts)
1.8 CY Conc.
112 LBs Bar Steel

Type "C" (3 Posts)
2.7 CY Conc.
150 LBs Bar Steel

STEEL POST SIZE

"A" - W10" x 12"
"B" - W12" x 16"
"C" - W12" x 19"
"D" - W12 x 22"

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DETERMINATION OF HIGH STRENGTH STRUCTURAL STEEL SIGN SUPPORT TYPE

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/03/10 PLATE NO. A3-2.2

PROJECT NO: | SHEET NO: E

FILE NAME : C:\users\PROJECTS\tr_stdplate\A32.DGN PLOT DATE : 05-MAR-2010 10:10 PLOT BY : ditjph

WISDOT/CADDS SHEET 42

VERTICAL DIMENSION ⇨

HORIZONTAL DIMENSION ⇩

Type "A" (2 Posts) 1.2 CY Conc. 68 LBs Bar Steel

⇩ \ ⇨	2.5 ft.	3 ft.	3.5 ft.	4 ft.	4.5 ft.	5 ft.	5.5 ft.	6 ft.	6.5 ft.	7 ft.	7.5 ft.	8 ft.	8.5 ft.	9 ft.	9.5 ft.	10 ft.	10.5 ft.	11 ft.	11.5 ft.	12 ft.	12.5 ft.	13 ft.	13.5 ft.	14 ft.	14.5 ft.	15 ft.	15.5 ft.	16 ft.
22 ft.	55 Sq. Ft	66 Sq. Ft	77 Sq. Ft	88 Sq. Ft	99 Sq. Ft	110 Sq. Ft	121 Sq. Ft	132 Sq. Ft	143 Sq. Ft	154 Sq. Ft	165 Sq. Ft	176 Sq. Ft	187 Sq. Ft	198 Sq. Ft	209 Sq. Ft	220 Sq. Ft	231 Sq. Ft	242 Sq. Ft	253 Sq. Ft	264 Sq. Ft	275 Sq. Ft	286 Sq. Ft	297 Sq. Ft	308 Sq. Ft	319 Sq. Ft	330 Sq. Ft	341 Sq. Ft	352 Sq. Ft
23 ft.	57.5 Sq. Ft	69 Sq. Ft	80.5 Sq. Ft	92 Sq. Ft	103.5 Sq. Ft	115 Sq. Ft	126.5 Sq. Ft	138 Sq. Ft	149.5 Sq. Ft	161 Sq. Ft	172.5 Sq. Ft	184 Sq. Ft	195.5 Sq. Ft	207 Sq. Ft	218.5 Sq. Ft	230 Sq. Ft	241.5 Sq. Ft	253 Sq. Ft	264.5 Sq. Ft	276 Sq. Ft	287.5 Sq. Ft	299 Sq. Ft	310.5 Sq. Ft	322 Sq. Ft	333.5 Sq. Ft	345 Sq. Ft	356.5 Sq. Ft	368 Sq. Ft
24 ft.	60 Sq. Ft	72 Sq. Ft	84 Sq. Ft	96 Sq. Ft	108 Sq. Ft	120 Sq. Ft	132 Sq. Ft	144 Sq. Ft	156 Sq. Ft	168 Sq. Ft	180 Sq. Ft	192 Sq. Ft	204 Sq. Ft	216 Sq. Ft	228 Sq. Ft	240 Sq. Ft	252 Sq. Ft	264 Sq. Ft	276 Sq. Ft	288 Sq. Ft	300 Sq. Ft	312 Sq. Ft	324 Sq. Ft	336 Sq. Ft	348 Sq. Ft	360 Sq. Ft	372 Sq. Ft	384 Sq. Ft
25 ft.	62.5 Sq. Ft	75 Sq. Ft	87.5 Sq. Ft	100 Sq. Ft	112.5 Sq. Ft	125 Sq. Ft	137.5 Sq. Ft	150 Sq. Ft	162.5 Sq. Ft	175 Sq. Ft	187.5 Sq. Ft	200 Sq. Ft	212.5 Sq. Ft	225 Sq. Ft	237.5 Sq. Ft	250 Sq. Ft	262.5 Sq. Ft	275 Sq. Ft	287.5 Sq. Ft	300 Sq. Ft	312.5 Sq. Ft	325 Sq. Ft	337.5 Sq. Ft	350 Sq. Ft	362.5 Sq. Ft	375 Sq. Ft	387.5 Sq. Ft	400 Sq. Ft
26 ft.	65 Sq. Ft	78 Sq. Ft	91 Sq. Ft	104 Sq. Ft	117 Sq. Ft	130 Sq. Ft	143 Sq. Ft	156 Sq. Ft	169 Sq. Ft	182 Sq. Ft	195 Sq. Ft	208 Sq. Ft	221 Sq. Ft	234 Sq. Ft	247 Sq. Ft	260 Sq. Ft	273 Sq. Ft	286 Sq. Ft	299 Sq. Ft	312 Sq. Ft	325 Sq. Ft	338 Sq. Ft	351 Sq. Ft	364 Sq. Ft	377 Sq. Ft	390 Sq. Ft	403 Sq. Ft	416 Sq. Ft
27 ft.	67.5 Sq. Ft	81 Sq. Ft	94.5 Sq. Ft	108 Sq. Ft	121.5 Sq. Ft	135 Sq. Ft	148.5 Sq. Ft	162 Sq. Ft	175.5 Sq. Ft	189 Sq. Ft	202.5 Sq. Ft	216 Sq. Ft	229.5 Sq. Ft	243 Sq. Ft	256.5 Sq. Ft	270 Sq. Ft	283.5 Sq. Ft	297 Sq. Ft	310.5 Sq. Ft	324 Sq. Ft	337.5 Sq. Ft	351 Sq. Ft	364.5 Sq. Ft	378 Sq. Ft	391.5 Sq. Ft	405 Sq. Ft	418.5 Sq. Ft	432 Sq. Ft
28 ft.	70 Sq. Ft	84 Sq. Ft	98 Sq. Ft	112 Sq. Ft	126 Sq. Ft	140 Sq. Ft	154 Sq. Ft	168 Sq. Ft	182 Sq. Ft	196 Sq. Ft	210 Sq. Ft	224 Sq. Ft	238 Sq. Ft	252 Sq. Ft	266 Sq. Ft	280 Sq. Ft	294 Sq. Ft	308 Sq. Ft	322 Sq. Ft	336 Sq. Ft	350 Sq. Ft	364 Sq. Ft	378 Sq. Ft	392 Sq. Ft	406 Sq. Ft	420 Sq. Ft	434 Sq. Ft	448 Sq. Ft
29 ft.	72.5 Sq. Ft	87 Sq. Ft	101.5 Sq. Ft	116 Sq. Ft	130.5 Sq. Ft	145 Sq. Ft	159.5 Sq. Ft	174 Sq. Ft	188.5 Sq. Ft	203 Sq. Ft	217.5 Sq. Ft	232 Sq. Ft	246.5 Sq. Ft	261 Sq. Ft	275.5 Sq. Ft	290 Sq. Ft	304.5 Sq. Ft	319 Sq. Ft	333.5 Sq. Ft	348 Sq. Ft	362.5 Sq. Ft	377 Sq. Ft	391.5 Sq. Ft	406 Sq. Ft	420.5 Sq. Ft	435 Sq. Ft	449.5 Sq. Ft	464 Sq. Ft
30 ft.	75 Sq. Ft	90 Sq. Ft	105 Sq. Ft	120 Sq. Ft	135 Sq. Ft	150 Sq. Ft	165 Sq. Ft	180 Sq. Ft	195 Sq. Ft	210 Sq. Ft	225 Sq. Ft	240 Sq. Ft	255 Sq. Ft	270 Sq. Ft	285 Sq. Ft	300 Sq. Ft	315 Sq. Ft	330 Sq. Ft	345 Sq. Ft	360 Sq. Ft	375 Sq. Ft	390 Sq. Ft	405 Sq. Ft	420 Sq. Ft	435 Sq. Ft	450 Sq. Ft	465 Sq. Ft	480 Sq. Ft
31 ft.	77.5 Sq. Ft	93 Sq. Ft	108.5 Sq. Ft	124 Sq. Ft	139.5 Sq. Ft	155 Sq. Ft	170.5 Sq. Ft	186 Sq. Ft	201.5 Sq. Ft	217 Sq. Ft	232.5 Sq. Ft	248 Sq. Ft	263.5 Sq. Ft	279 Sq. Ft	294.5 Sq. Ft	310 Sq. Ft	325.5 Sq. Ft	341 Sq. Ft	356.5 Sq. Ft	372 Sq. Ft	387.5 Sq. Ft	403 Sq. Ft	418.5 Sq. Ft	434 Sq. Ft	449.5 Sq. Ft	465 Sq. Ft	480.5 Sq. Ft	496 Sq. Ft
32 ft.	80 Sq. Ft	96 Sq. Ft	112 Sq. Ft	128 Sq. Ft	144 Sq. Ft	160 Sq. Ft	176 Sq. Ft	192 Sq. Ft	208 Sq. Ft	224 Sq. Ft	240 Sq. Ft	256 Sq. Ft	272 Sq. Ft	288 Sq. Ft	304 Sq. Ft	320 Sq. Ft	336 Sq. Ft	352 Sq. Ft	368 Sq. Ft	384 Sq. Ft	400 Sq. Ft	416 Sq. Ft	432 Sq. Ft	448 Sq. Ft	464 Sq. Ft	480 Sq. Ft	496 Sq. Ft	512 Sq. Ft
33 ft.	82.5 Sq. Ft	99 Sq. Ft	115.5 Sq. Ft	132 Sq. Ft	148.5 Sq. Ft	165 Sq. Ft	181.5 Sq. Ft	198 Sq. Ft	214.5 Sq. Ft	231 Sq. Ft	247.5 Sq. Ft	264 Sq. Ft	280.5 Sq. Ft	297 Sq. Ft	313.5 Sq. Ft	330 Sq. Ft	346.5 Sq. Ft	363 Sq. Ft	379.5 Sq. Ft	396 Sq. Ft	412.5 Sq. Ft	429 Sq. Ft	445.5 Sq. Ft	462 Sq. Ft	478.5 Sq. Ft	495 Sq. Ft	511.5 Sq. Ft	528 Sq. Ft
34 ft.	85 Sq. Ft	102 Sq. Ft	119 Sq. Ft	136 Sq. Ft	153 Sq. Ft	170 Sq. Ft	187 Sq. Ft	204 Sq. Ft	221 Sq. Ft	238 Sq. Ft	255 Sq. Ft	272 Sq. Ft	289 Sq. Ft	306 Sq. Ft	323 Sq. Ft	340 Sq. Ft	357 Sq. Ft	374 Sq. Ft	391 Sq. Ft	408 Sq. Ft	425 Sq. Ft	442 Sq. Ft	459 Sq. Ft	476 Sq. Ft	493 Sq. Ft	510 Sq. Ft	527 Sq. Ft	544 Sq. Ft
35 ft.	87.5 Sq. Ft	105 Sq. Ft	122.5 Sq. Ft	140 Sq. Ft	157.5 Sq. Ft	175 Sq. Ft	192.5 Sq. Ft	210 Sq. Ft	227.5 Sq. Ft	245 Sq. Ft	262.5 Sq. Ft	280 Sq. Ft	297.5 Sq. Ft	315 Sq. Ft	332.5 Sq. Ft	350 Sq. Ft	367.5 Sq. Ft	385 Sq. Ft	402.5 Sq. Ft	420 Sq. Ft	437.5 Sq. Ft	455 Sq. Ft	472.5 Sq. Ft	490 Sq. Ft	507.5 Sq. Ft	525 Sq. Ft	542.5 Sq. Ft	560 Sq. Ft
36 ft.	90 Sq. Ft	108 Sq. Ft	126 Sq. Ft	144 Sq. Ft	162 Sq. Ft	180 Sq. Ft	198 Sq. Ft	216 Sq. Ft	234 Sq. Ft	252 Sq. Ft	270 Sq. Ft	288 Sq. Ft	306 Sq. Ft	324 Sq. Ft	342 Sq. Ft	360 Sq. Ft	378 Sq. Ft	396 Sq. Ft	414 Sq. Ft	432 Sq. Ft	450 Sq. Ft	468 Sq. Ft	486 Sq. Ft	504 Sq. Ft	522 Sq. Ft	540 Sq. Ft	558 Sq. Ft	576 Sq. Ft

Type "B" (2 Posts)
1.6 CY Conc.
98 LBs Bar Steel

Type "C" (2 Posts)
1.8 CY Conc.
100 LBs Bar Steel

Type "D" (2 Posts)
1.8 CY Conc.
112 LBs Bar Steel

Type "C" (3 Posts)
2.7 CY Conc.
150 LBs Bar Steel

Type "D" (3 Posts)
2.7 CY Conc.
168 LBs Bar Steel

STEEL POST SIZE

"A" - W10" x 12"
"B" - W12" x 16"
"C" - W12" x 19"
"D" - W12 x 22"

DETERMINATION OF HIGH STRENGTH STRUCTURAL STEEL SIGN SUPPORT TYPE

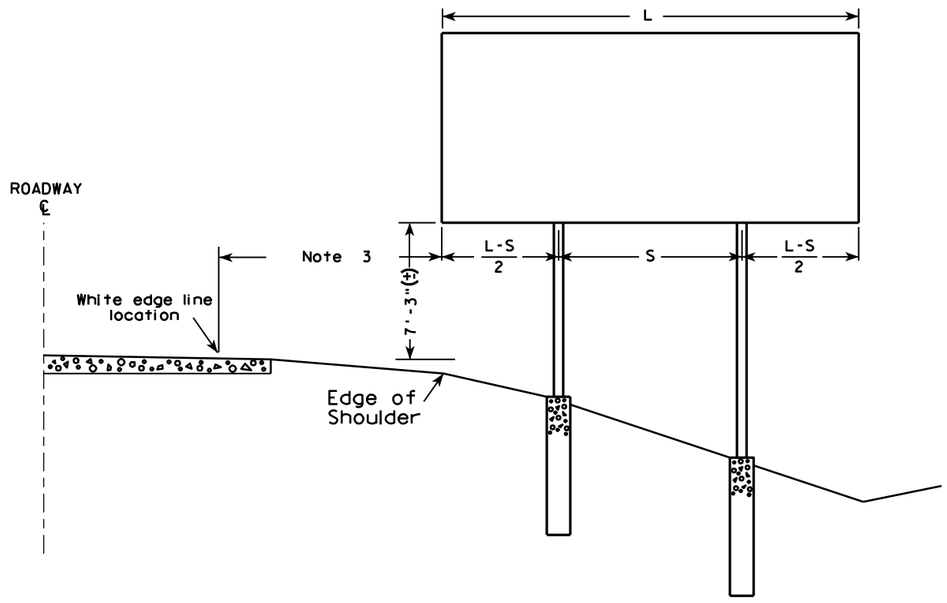
WISCONSIN DEPT OF TRANSPORTATION

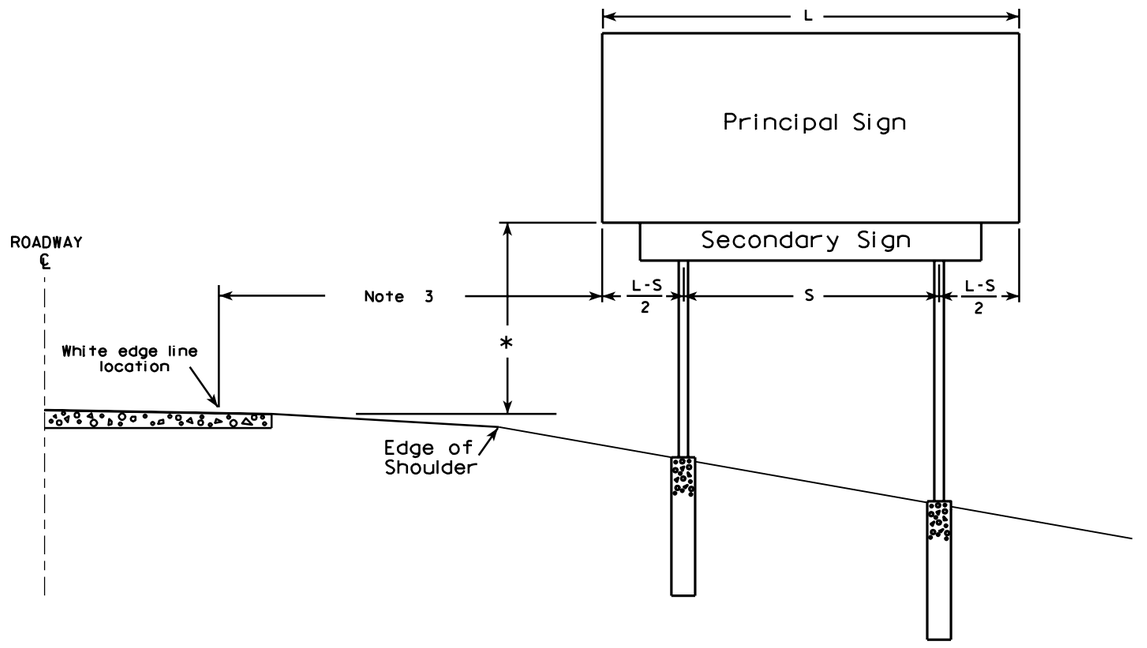
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/5/10 PLATE NO. A3-3.2

PROJECT NO: | SHEET NO: E

FILE NAME : C:\users\PROJECTS\tr_stdplate\A33.DGN PLOT DATE : 05-MAR-2010 10:07 PLOT BY : ditjph





GENERAL NOTES

1. For a 2 post installation, S equals 3L/5, but shall not be less than 9 ft.
2. For a 3 post installation, S equals 5L/7, but shall not be less than 18 ft., and the space between any two posts shall not be less than 9 ft.
3. Unless noted in the plan, the sign offset distance shall be a minimum of 17'-6", desirable 30'-0".
4. The (±) tolerance shown on this sheet is 3 in.
5. The vertical sign height clearance detailed is measured from the bottom of the sign to the near edge of pavement.
6. Post lengths shown in the miscellaneous quantities are estimated lengths. The contractor shall verify post lengths at the time of final grading.
7. Refer to the Traffic Guidelines Manual for further guidance on minimum vertical clearance requirements.

* Clearance is 8'-3"(±) when the secondary sign is 3 ft. or less in height. For secondary signs larger than 3 ft., the clearance to the bottom of the secondary sign shall be 5'-3"(±).

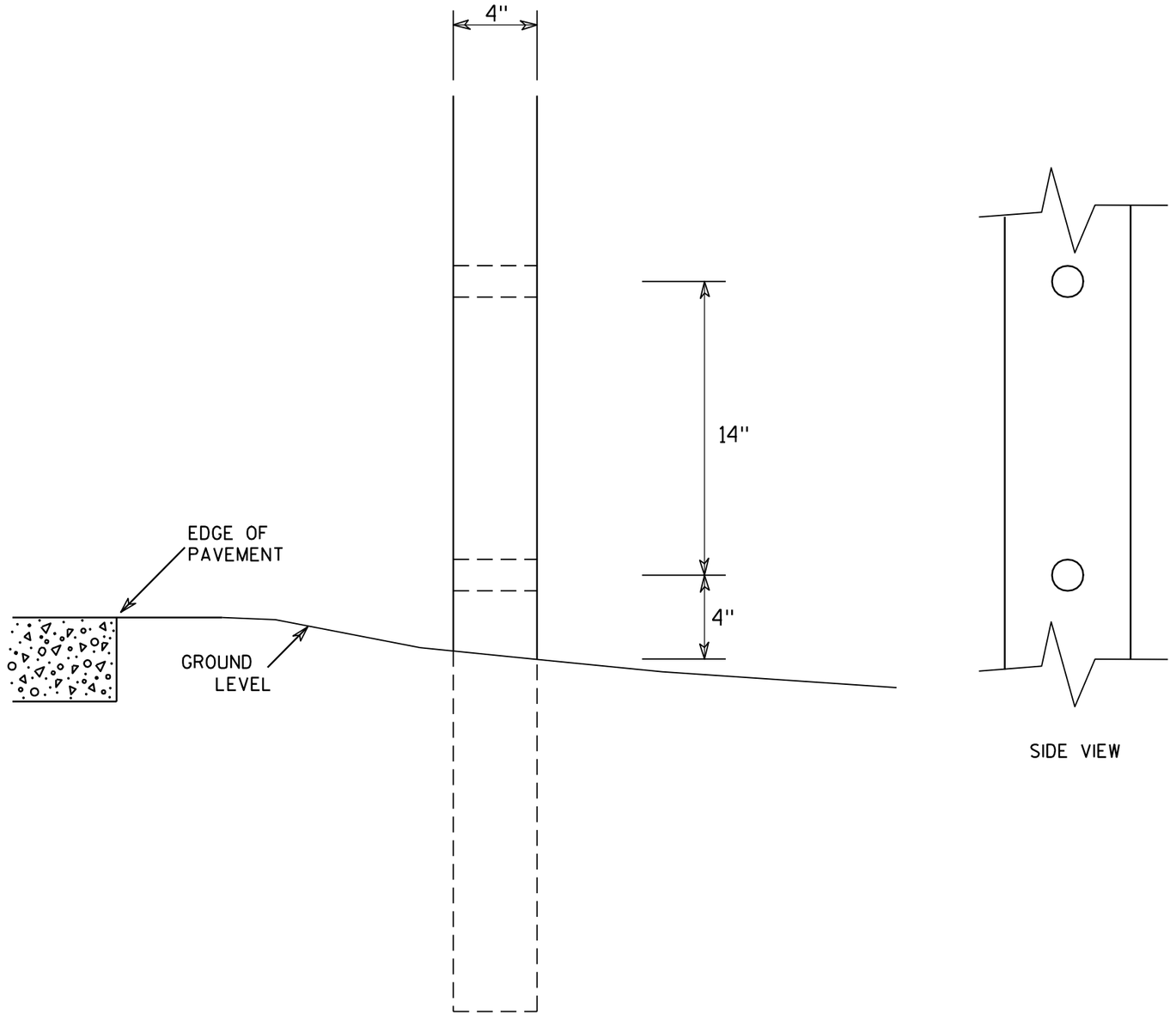
TYPICAL INSTALLATION OF TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/02/08 PLATE NO. A4-1.9

PROJECT NO: | SHEET NO: 208 | E



SIDE VIEW

GENERAL NOTES

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

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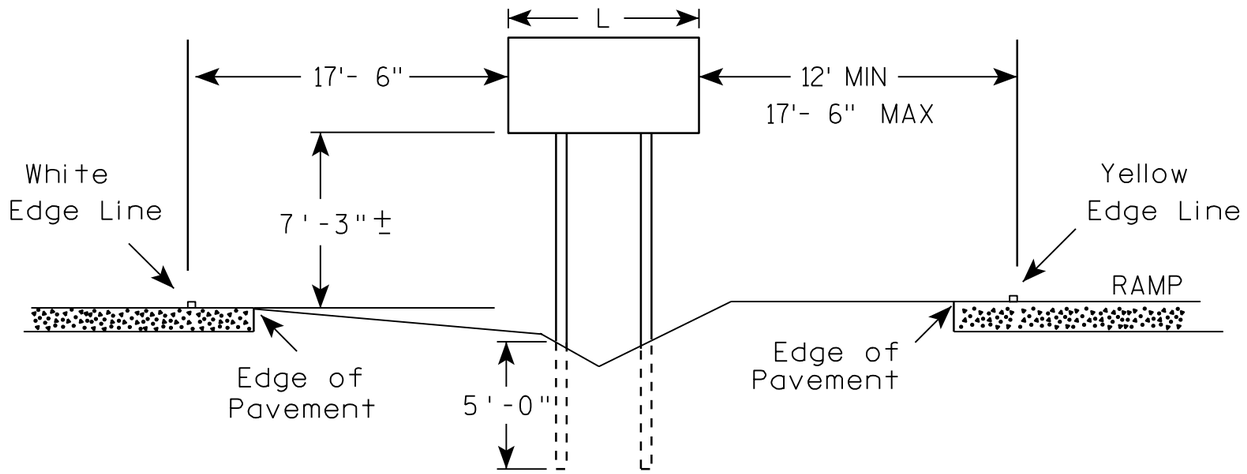
4 X 6 WOOD POST MODIFICATIONS

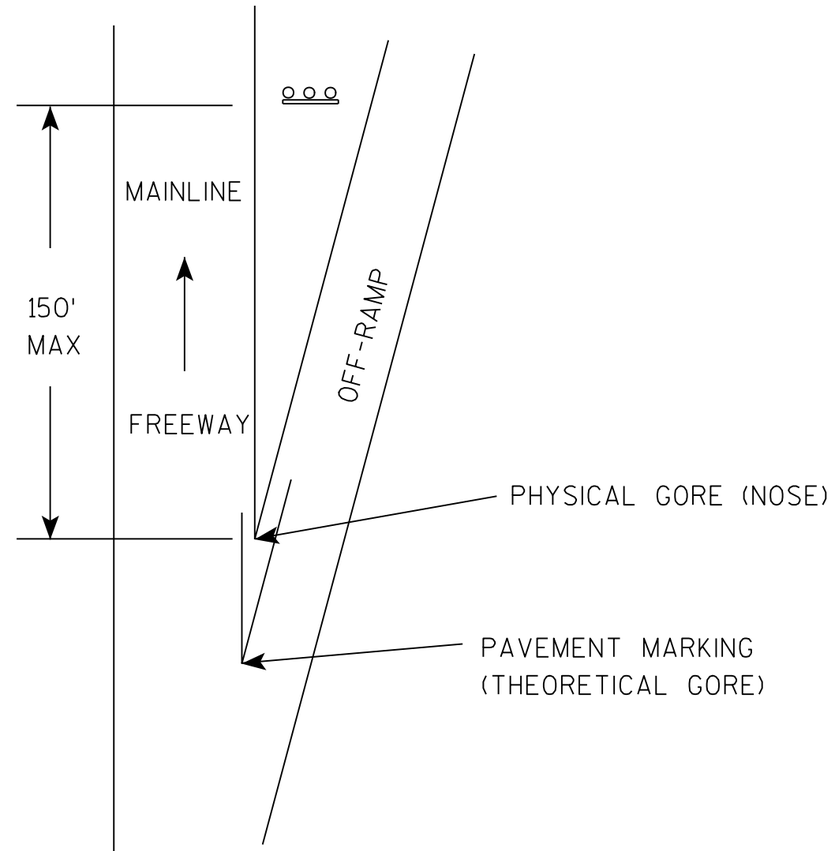
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 209	E





GENERAL NOTES

1. The 150 foot distance from the physical gore (where pavement ends) will normally provide the offsets as shown.
2. If roadway geometrics permit, the sign may be closer than the 150 foot distance as long as the offsets are maintained.
3. At no time shall the location be greater than 150 feet. If the normal offsets cannot be maintained, they can be reduced to 6 feet from the edge of the paved shoulder (both freeway and ramp).
4. The offset from edge of sign to the yellow edge line on the ramp is shown as a minimum of 12 feet and a maximum of 17 feet, 6 inches. Preference is adhering to the maximum rather than the minimum dimension.
5. When L is equal to or exceeds 9 feet, use 3 posts as per A4-4.
6. The (∓) tolerance for the mounting height is 3 inches.

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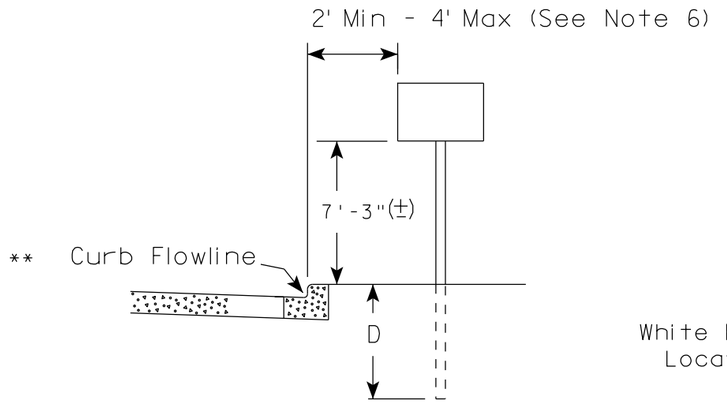
TYPICAL INSTALLATION
OF TYPE II SIGNS ON
WOOD POSTS IN GORE

WISCONSIN DEPT OF TRANSPORTATION

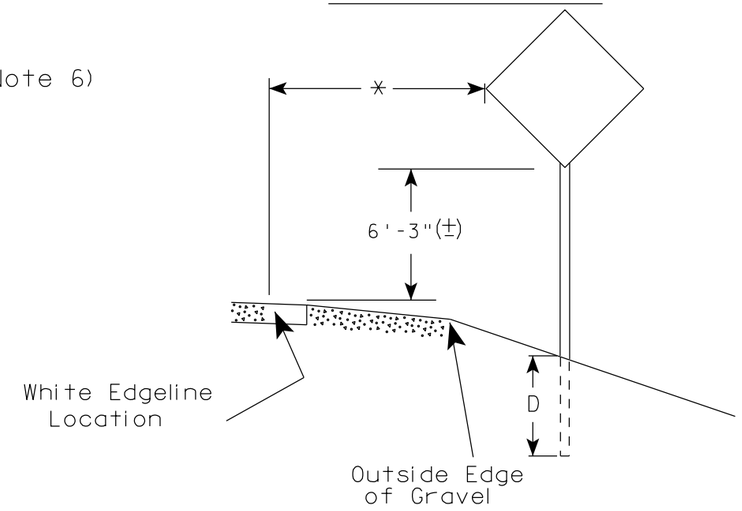
APPROVED Chester J Spagg
for State Traffic Engineer

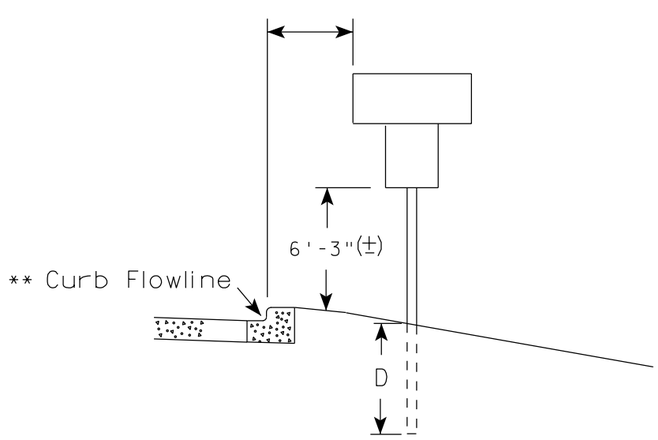
DATE 4/4/00 PLATE NO. A4-2.2

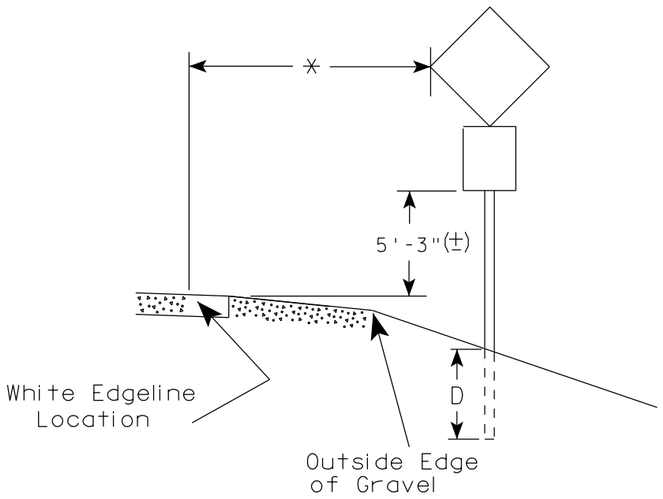
URBAN AREA



RURAL AREA (See Note 2)







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

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

GENERAL NOTES

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

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

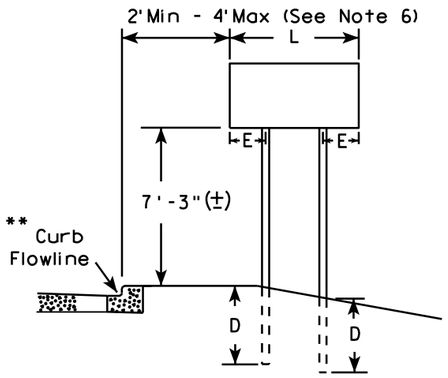
APPROVED Matthew R Rauch
for State Traffic Engineer

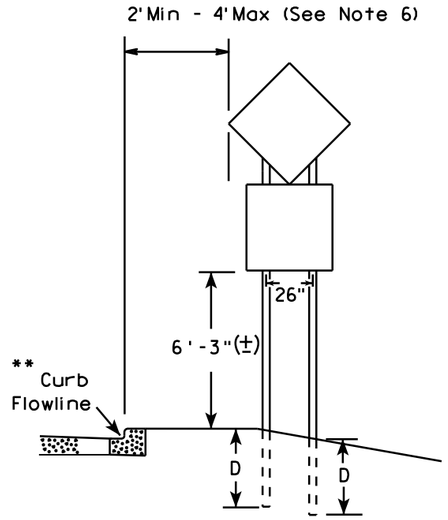
DATE 9/30/13 PLATE NO. A4-3.18

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN PLOT DATE : 30-SEP-2013 13:25 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 99.237937:1.000000 WISDOT/CADDS SHEET 42

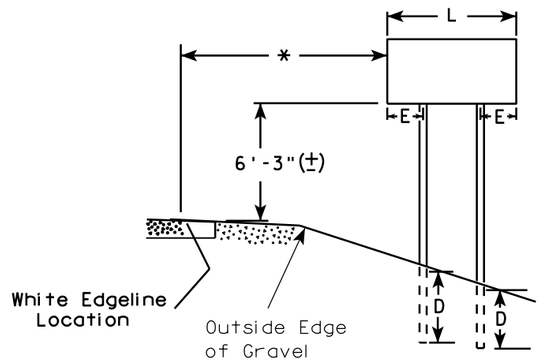
URBAN AREA

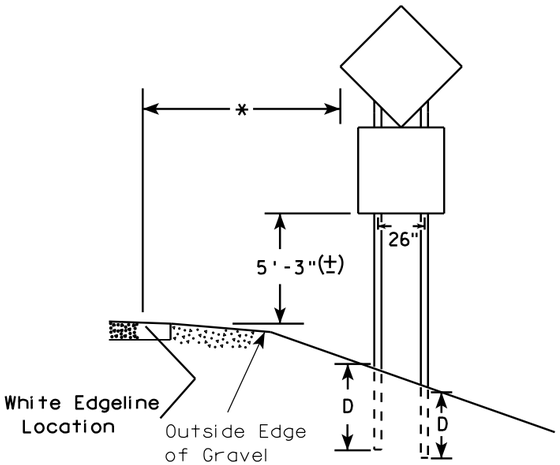




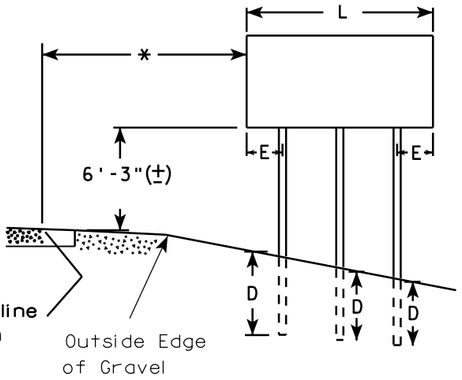
48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)





48" DIAMOND WARNING SIGN



GENERAL NOTES

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

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

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

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

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

***

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

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

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

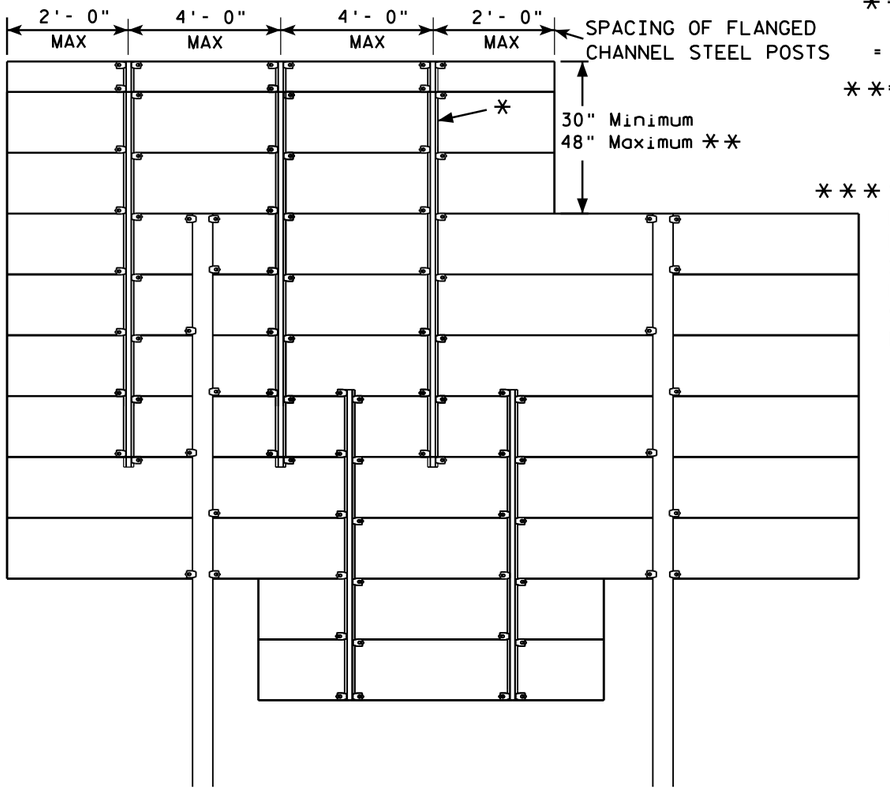
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/13 PLATE NO. A4-4 12 / 212

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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

GROUND MOUNTED SIGN

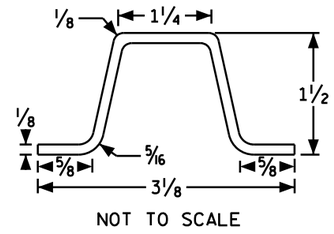


* =2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

** =FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

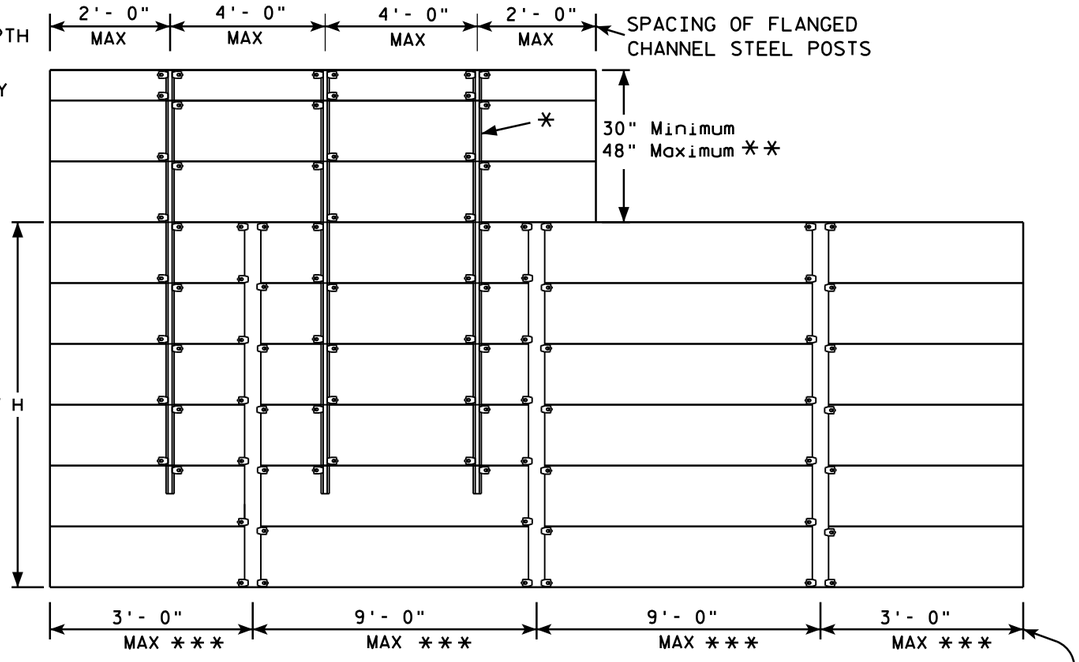
*** THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 16 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 16 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAIL



NOT TO SCALE

SIGN BRIDGE MOUNTED SIGN



SPACING OF ALUMINUM SIGN SUPPORTS
5" X 3.5" X 3.7 LBS./ft.

GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

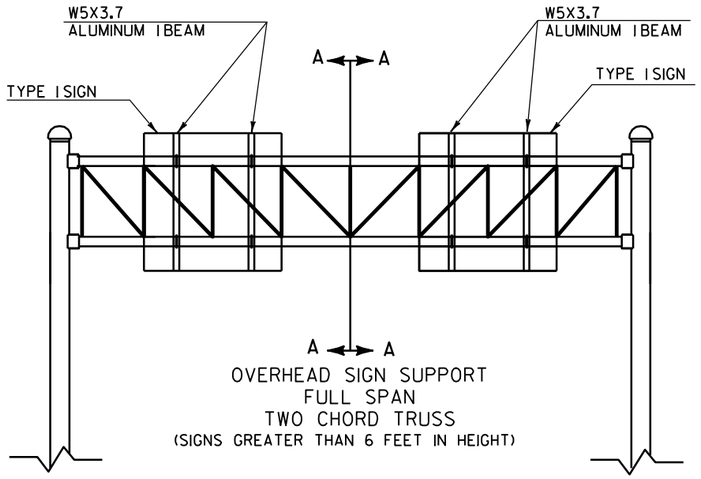
ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

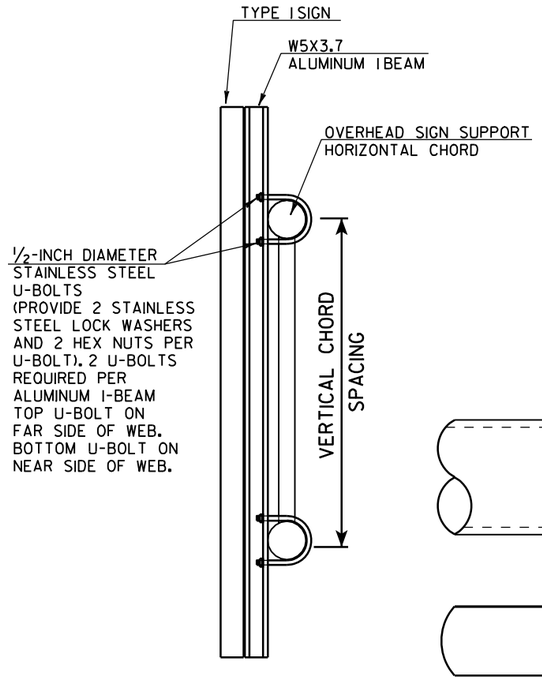
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/05/13 PLAT 213 A4-6.12

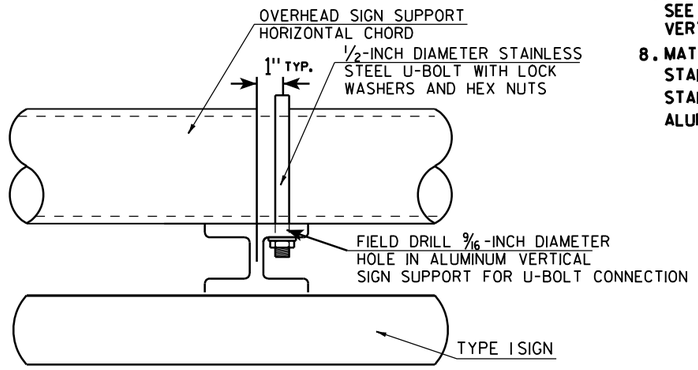
PROJECT NO: | SHEET NO: E



OVERHEAD SIGN SUPPORT
FULL SPAN
TWO CHORD TRUSS
(SIGNS GREATER THAN 6 FEET IN HEIGHT)



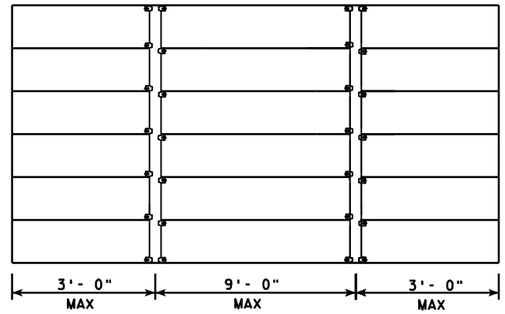
CUT SECTION A-A



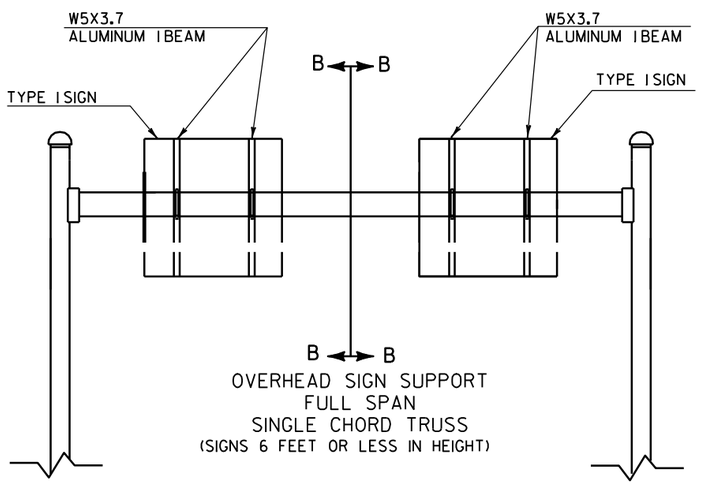
TYPICAL SIGN CONNECTION FOR
TWO CHORD TRUSS
PLAN VIEW

GENERAL NOTES

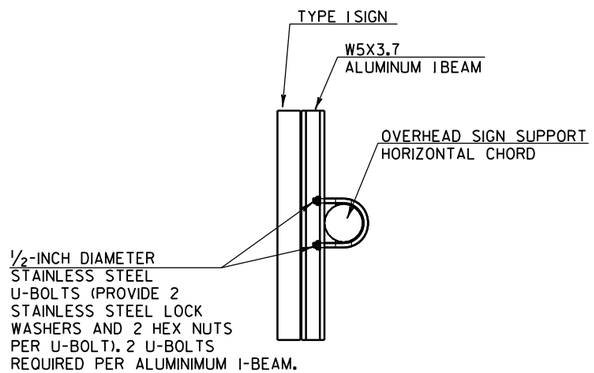
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.



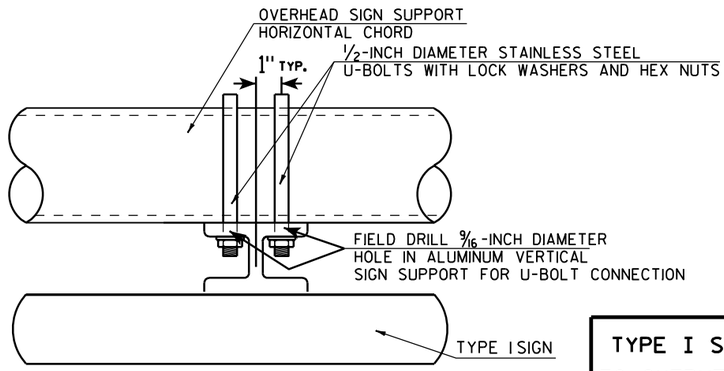
SPACING OF W5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
SINGLE CHORD TRUSS
(SIGNS 6 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
SINGLE CHORD TRUSS
PLAN VIEW

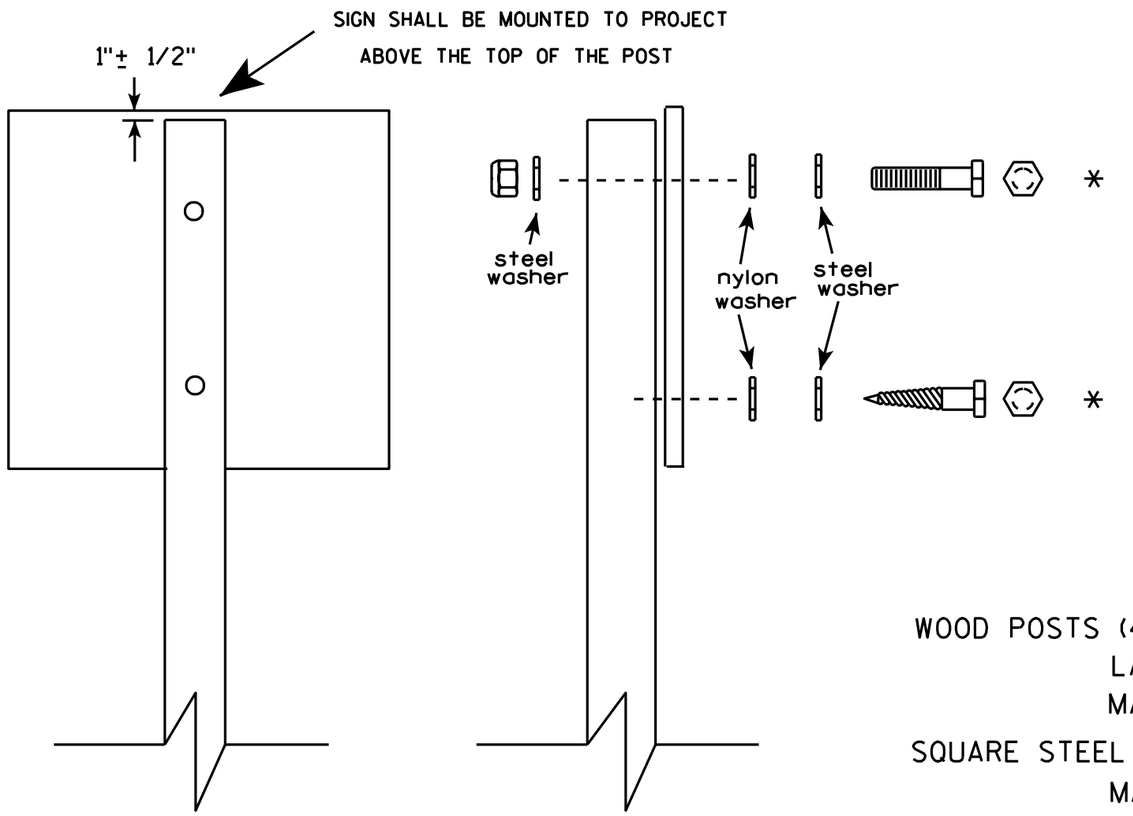
TYPE I SIGN CONNECTION TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/12 PLATE NO. A4-7.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 214	E



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

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

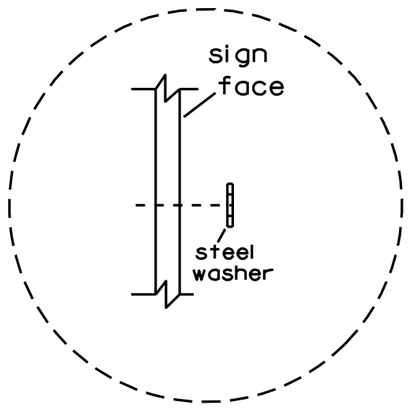
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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

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

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

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



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

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

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

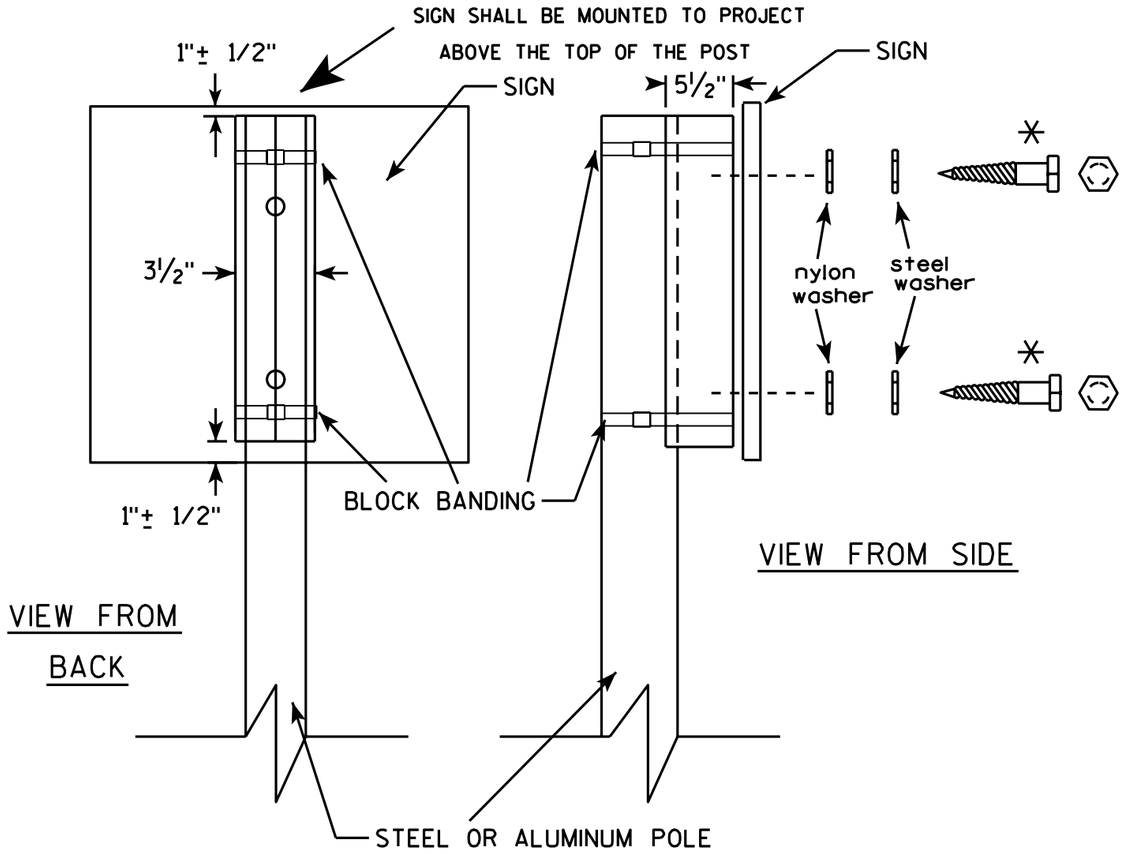
DATE 3/23/10 PLATE NO. A4-8.7

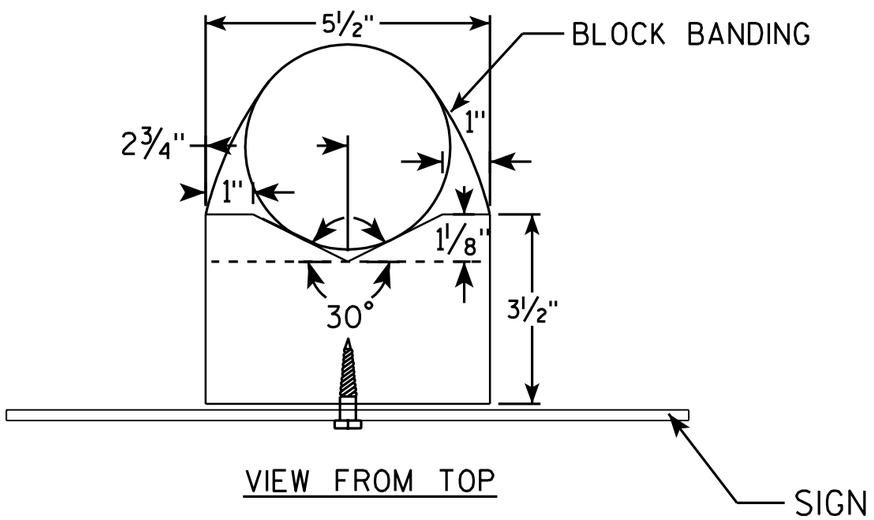
7

7

PROJECT NO:

SHEET NO: 215 E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

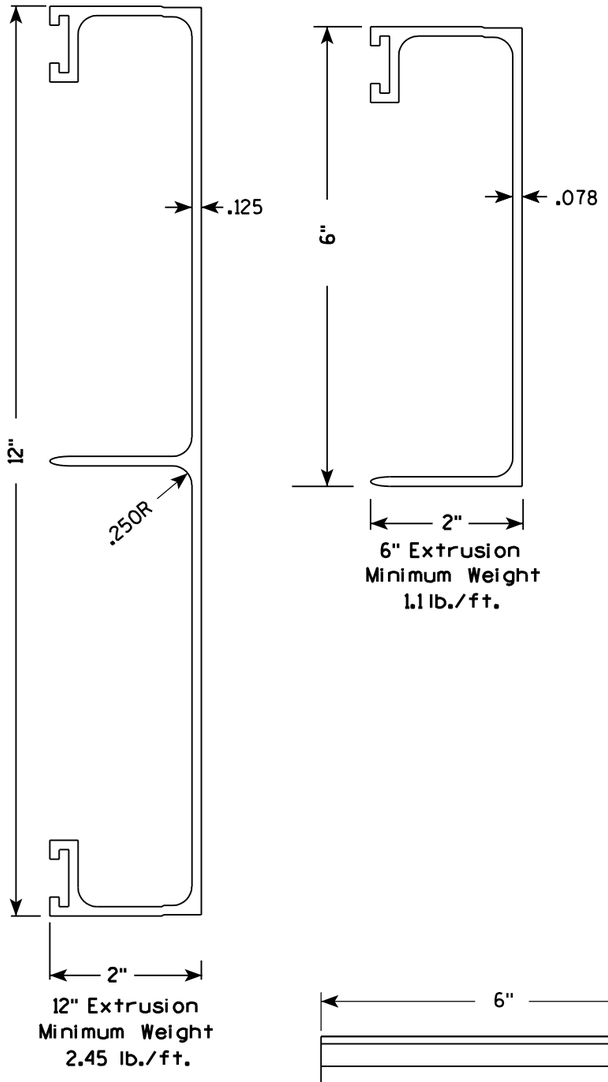
APPROVED Matthew R Rauch
for State Traffic Engineer

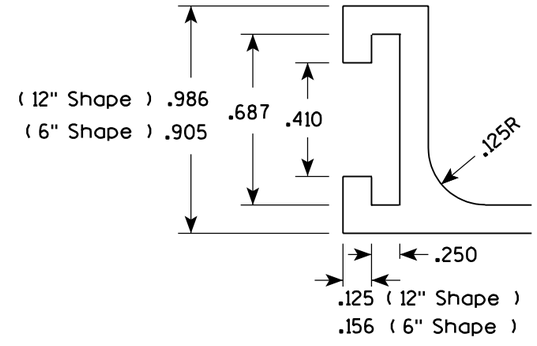
DATE 7/12/07 PLATE NO. A5-10.1

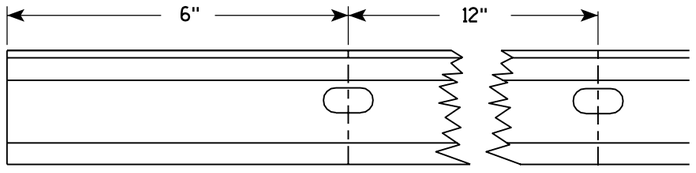
PROJECT NO:

SHEET NO: 216 E

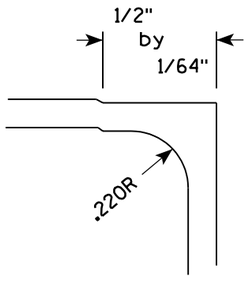
Extruded Shape







Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

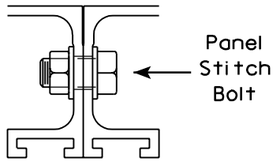


Hardware

STITCH BOLT, WASHER & NUT

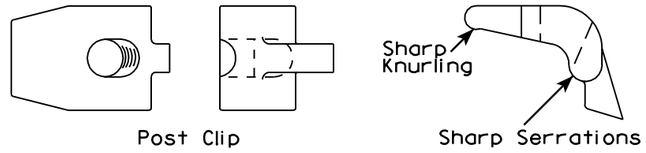
The hardware includes:

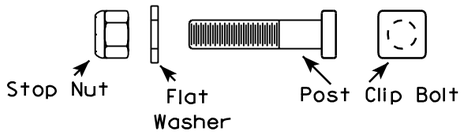
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

DATE 11/18/99 PLATE NO. A5-2.9

7

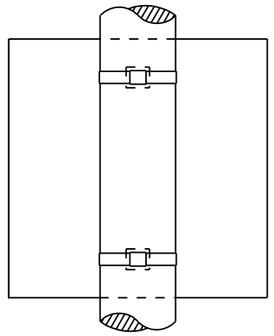
7

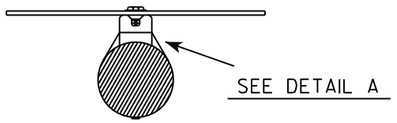
PROJECT NO:

SHEET NO: 217 E

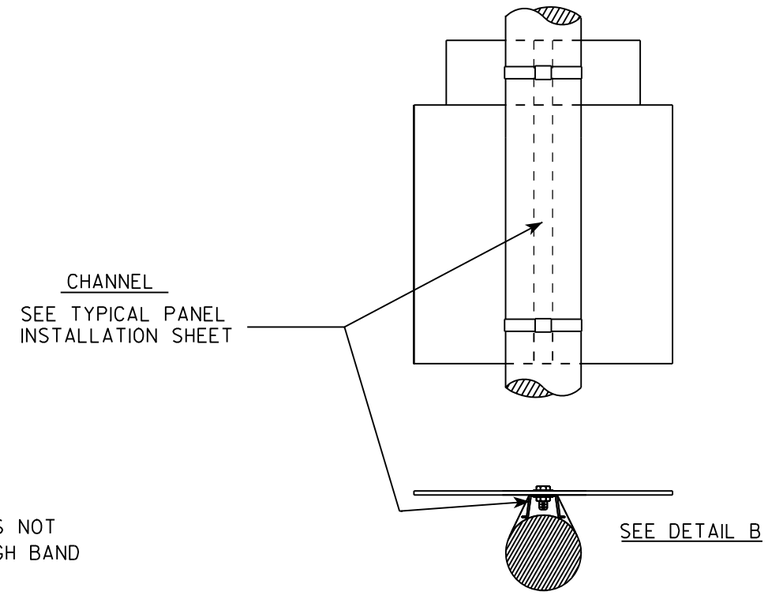
BANDING

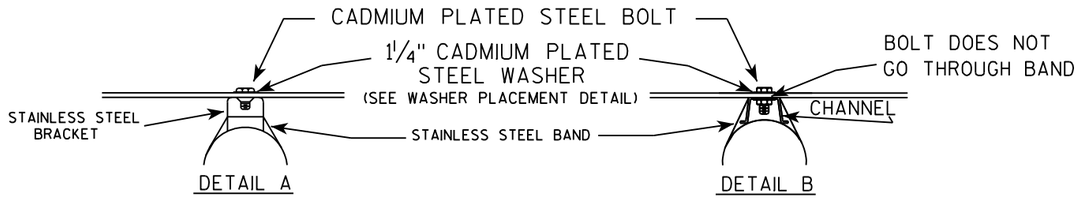
SINGLE SIGN



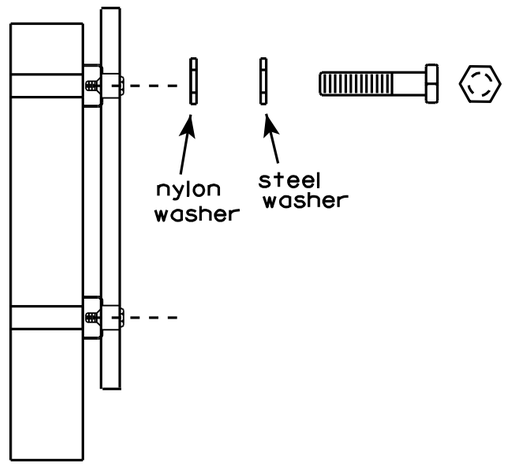


"J" ASSEMBLY





WASHER PLACEMENT



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

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.

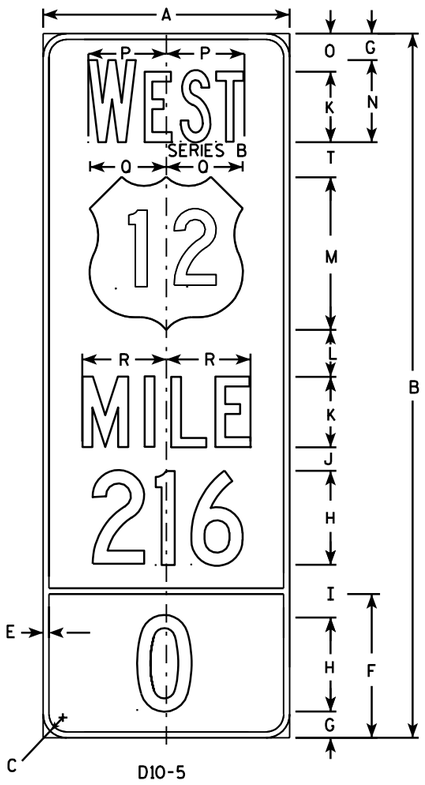
STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

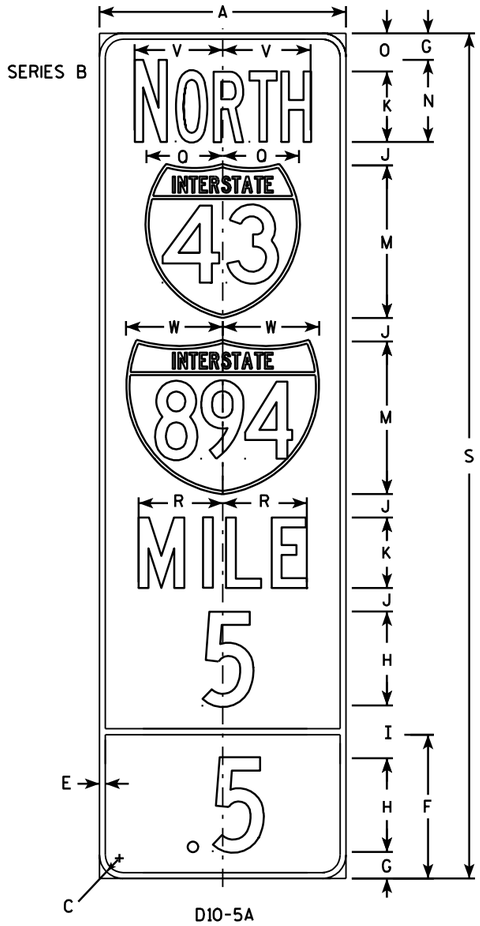
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 218	E



D10-5

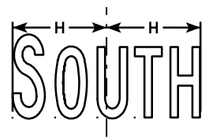


D10-5A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - BLUE
   Message - WHITE
3. Interstate Shield Color
   Background - Top Red
   - Bottom Blue
   Message - White
4. Message Series - C or as noted on the Sign.
5. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
6. The decimal point is required for all digits except "0".
7. Optically adjust mileage numbers about the centerline of the sign to achieve proper balance.

SERIES B



SERIES B

Metric equivalent for this sign is:		Metric equivalent for this sign is:	
SIZE	D10-5	SIZE	D10-5A
1		1	
2		2	
3		3	
4	525 mm X 1500 mm	4	525 mm X 1950 mm
5	525 mm X 1500 mm	5	525 mm X 1950 mm

																										D10-5		D10-5A	
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2	Area sq. ft.	Area m2
1																														
2																														
3																														
4	21	60	1 ½		½	12 ¼	2 ¼	8	4 ½	2	6	4	13	7	3 ¼	6 ⅝	6 ½	7 ⅛	72	3		7 ½	8 ¼				8.75	0.79	10.5	1.03
5	21	60	1 ½		½	12 ¼	2 ¼	8	4 ½	2	6	4	13	7	3 ¼	6 ⅝	6 ½	7 ⅛	72	3		7 ½	8 ¼				8.75	0.79	10.5	1.03

STANDARD SIGN
D10-5

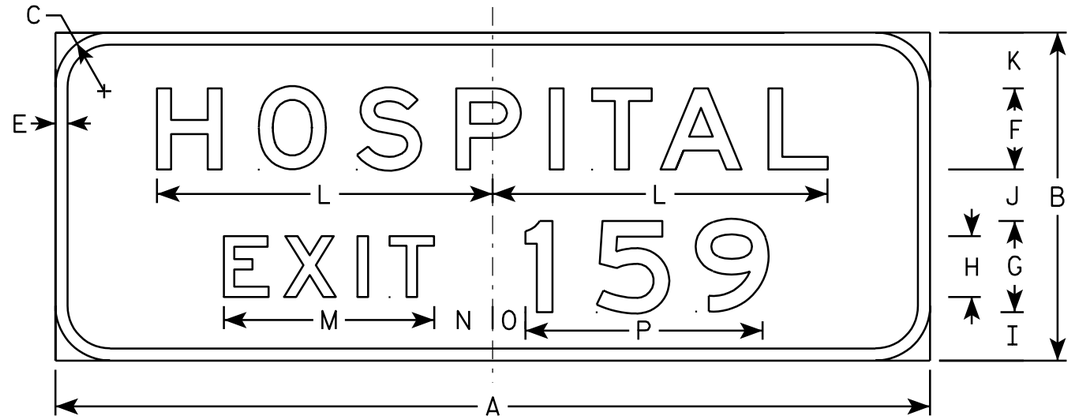
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/09/05 PLATE NO. D10-5.1

PROJECT NO:

SHEET NO: 219 E



E10-61

NOTES

1. Sign is Type I - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, other than extrusions, the corners and borders shall be rounded.
5. Apply proper Exit Numbers and letters, optically adjust spacing to achieve proper balance.

7

Metric equivalent for this sign is:

SIZE	
1	
2	3600 mm X 1350 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	144	54	9		2	13 3/8	15	10	8	8 1/2	9 1/4	55 1/4	34 5/8	9 5/8	5 3/8	39											54	4.86
3																												
4																												
5																												

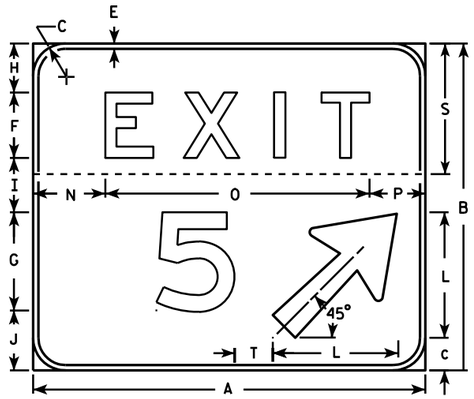
TYPICAL SIGNS
E10-61

WISCONSIN DEPT OF TRANSPORTATION

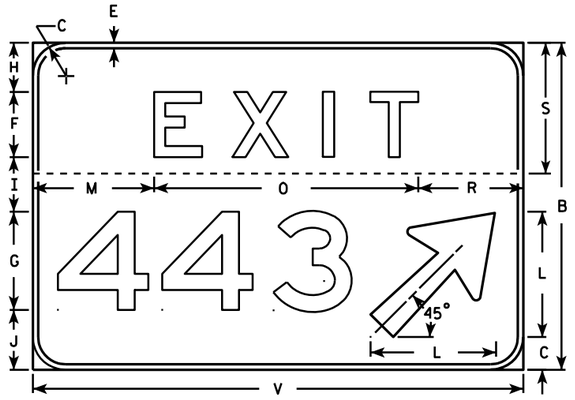
APPROVED Matthew R Rauch
for State Traffic Engineer

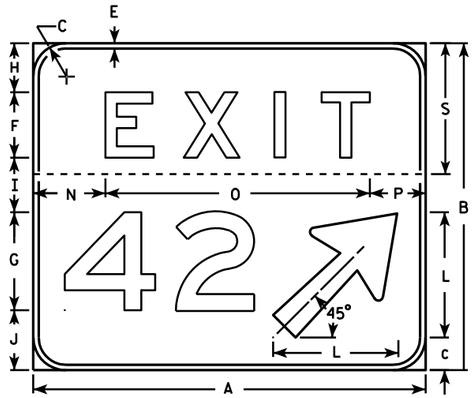
DATE 12/8/08 PLATE NO. E10-61.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 220	E



NOTE: T diminision shall be measured from the back of the number to the front of the arrow





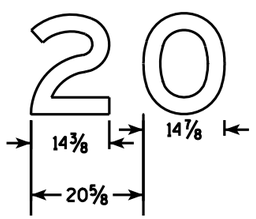
NOTES

1. Sign is Type II - Type H reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White (Type H reflective)
3. Message Series - E
4. Corners may be square or rounded but the border shall be rounded as shown.
5. Base material for this sign shall be plywood and shall be split into two seperate pieces as shown on each detail by the dashed line (----------).
6. Arrow is Type "A" from sign plate A1-1.
7. Substitute appropriate message, space per the table and adjust placement on sign to achieve proper balance.
8. As per the Standard Spec's, these signs shall not have a vertical joint.

SPACING CHART FOR 18" NUMERALS

NUMBERS	WIDTH	0	1	2	3	4	5	6	7	8	9	A	B	C
0	14 7/8	21 5/8	21 5/8	21 1/4	20 3/8	21 1/4	21 1/4	21 5/8	19 7/8	22 1/8	21 5/8			
1	5 7/8	14	14	14	13 1/8	12 1/8	14	14	12 1/4	14	14			
2	14 3/8	20 5/8	21 1/8	20 5/8	19 3/4	20 1/4	20 5/8	20 5/8	18 7/8	21 1/8	20 5/8			
3	14 3/8	20 3/4	21 1/8	20 3/4	20 1/4	19 3/4	20 3/4	20 3/4	19 3/8	21 1/8	20 3/4			
4	16 5/8	22 7/8	22	22 1/2	21 5/8	21 5/8	22 7/8	22 7/8	20 5/8	23 3/8	22 7/8			
5	14 1/4	20 5/8	20 5/8	20 1/8	18 3/4	18 3/4	20 5/8	20 5/8	18 3/8	20 5/8	20 5/8			
6	14 1/2	21 1/4	20 3/4	20 3/4	19 7/8	19 1/2	20 3/8	20 3/4	19	20 3/4	20 3/8			
7	14 3/8	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4			
8	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8			
9	14 1/2	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4			
A	18	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4	21 5/8	23 7/8	23
B	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8	19 1/2	22 3/8	21 1/2
C	14 1/4	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4	18 3/8	21	19 3/4

EXAMPLE FOR USING SPACING CHART



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
2																										
3																										
4																										
5	72	60	6		1	12	18	9	10	11	8 7/8	23	22 1/4	13 1/4	48 1/2	10 1/4		19 1/4	24	7		90		96	7 1/2	

1-2 Digit Bid Area	3 Digit Bid Area
Sq. Ft.	
30	37.5

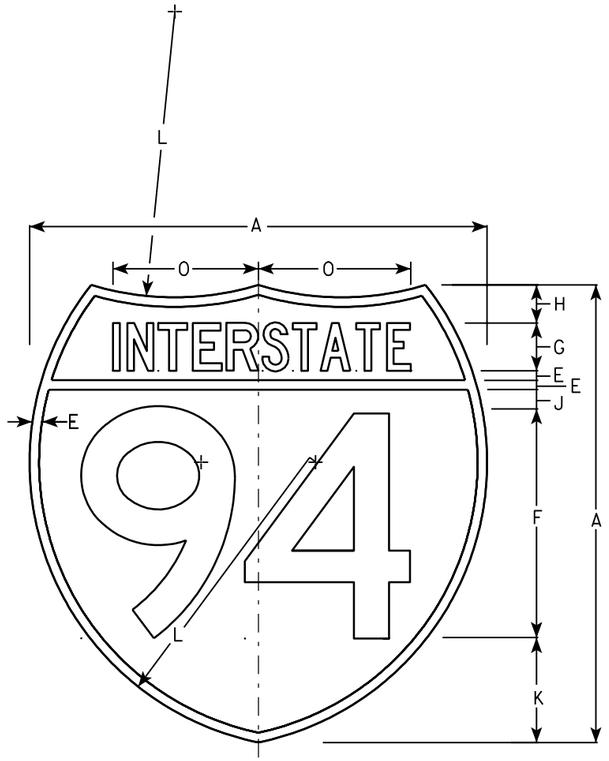
STANDARD SIGN E5-1A

WISCONSIN DEPT OF TRANSPORTATION

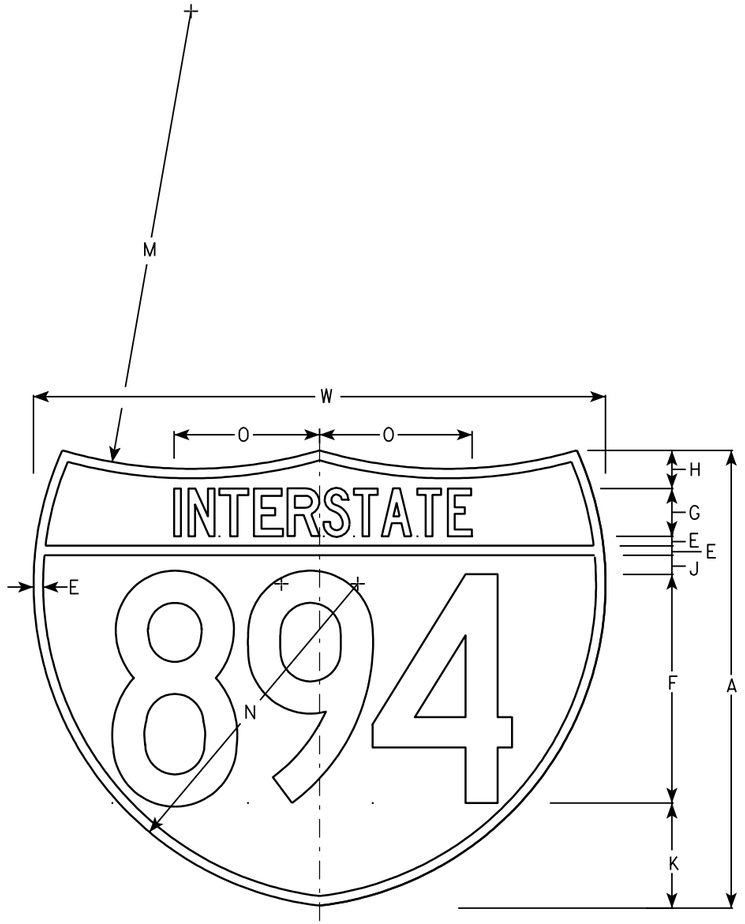
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 5/11/10 PLATE NO. E5-1A.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 221 | E



M1-1



M1-1A

NOTES

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

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	M1-1 Area sq. ft.	M1-1A Area sq. ft.	M1-1 Area m2	M1-1A Area m2
1																													
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05

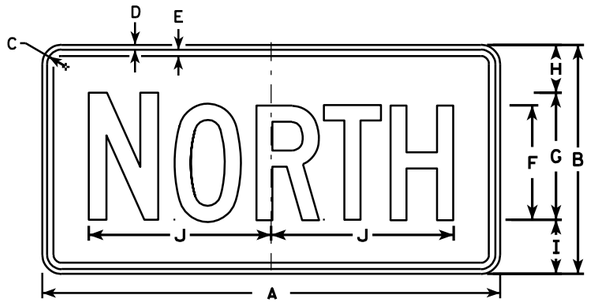
INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

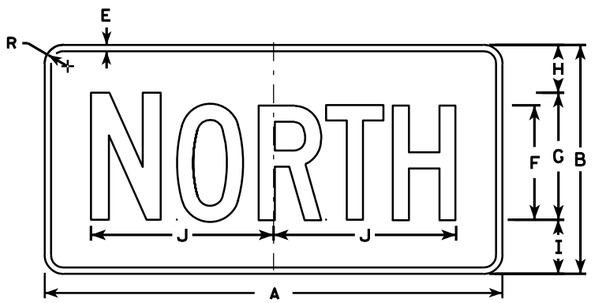
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 222	E

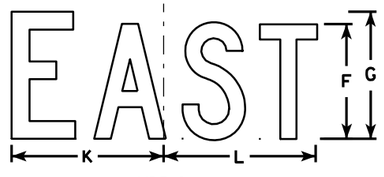


M3-1
MK3-1
MO3-1

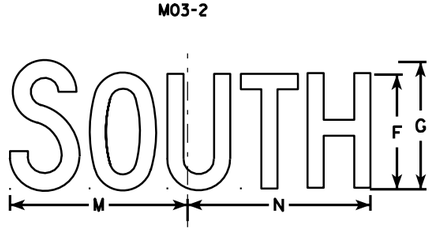


MB3-1
MG3-1
MM3-1
MN3-1

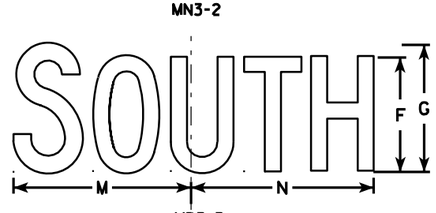
M3-2
MK3-2
MO3-2



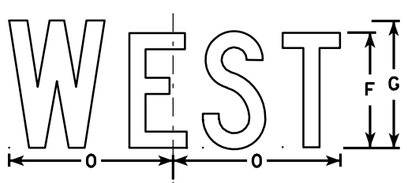
MB3-2
MG3-2
MM3-2
MN3-2



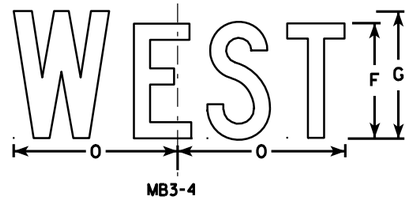
M3-3
MK3-3
MO3-3



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



M3-4
MK3-4
MO3-4



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

NOTES

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

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

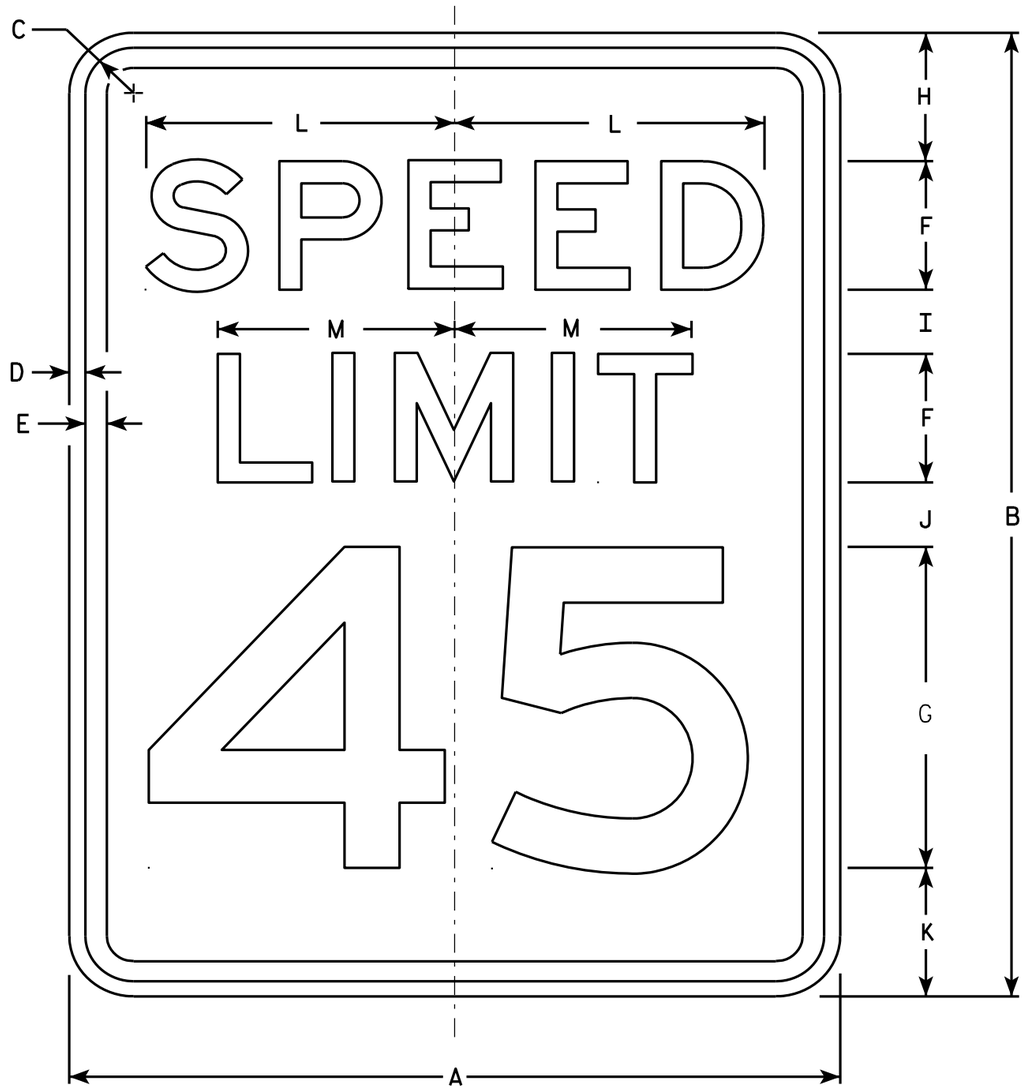
STANDARD SIGNS
M3-1 thur M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 223	E



R2-1

NOTES

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

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

STANDARD SIGN
R2-1

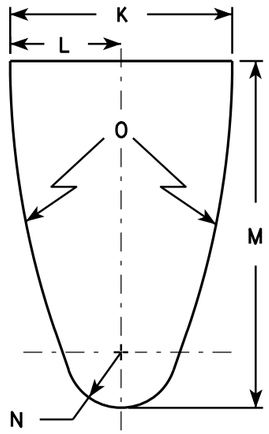
WISCONSIN DEPT OF TRANSPORTATION

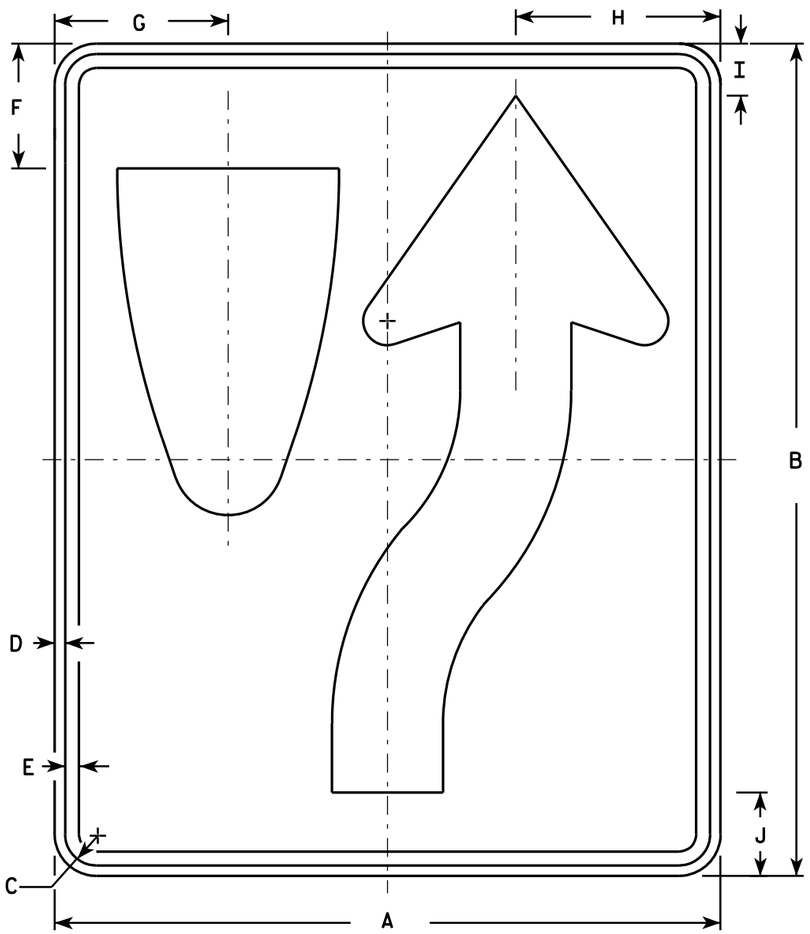
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 224 | E

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

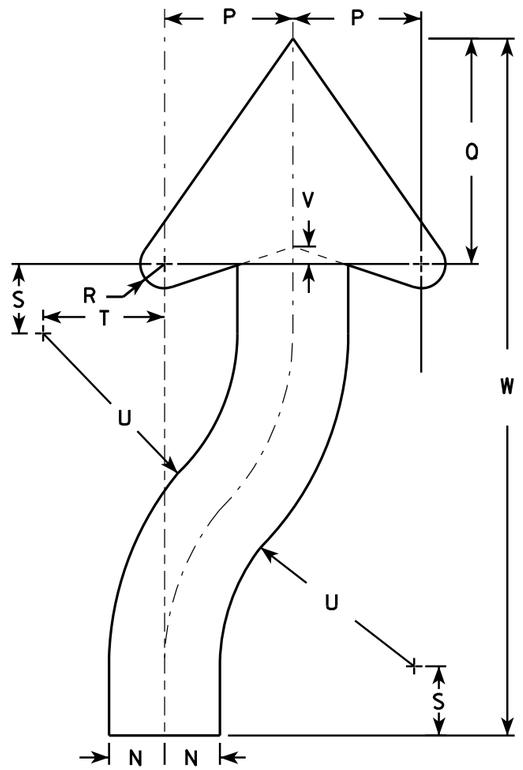




R4-7

NOTES

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



ARROW DETAIL

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

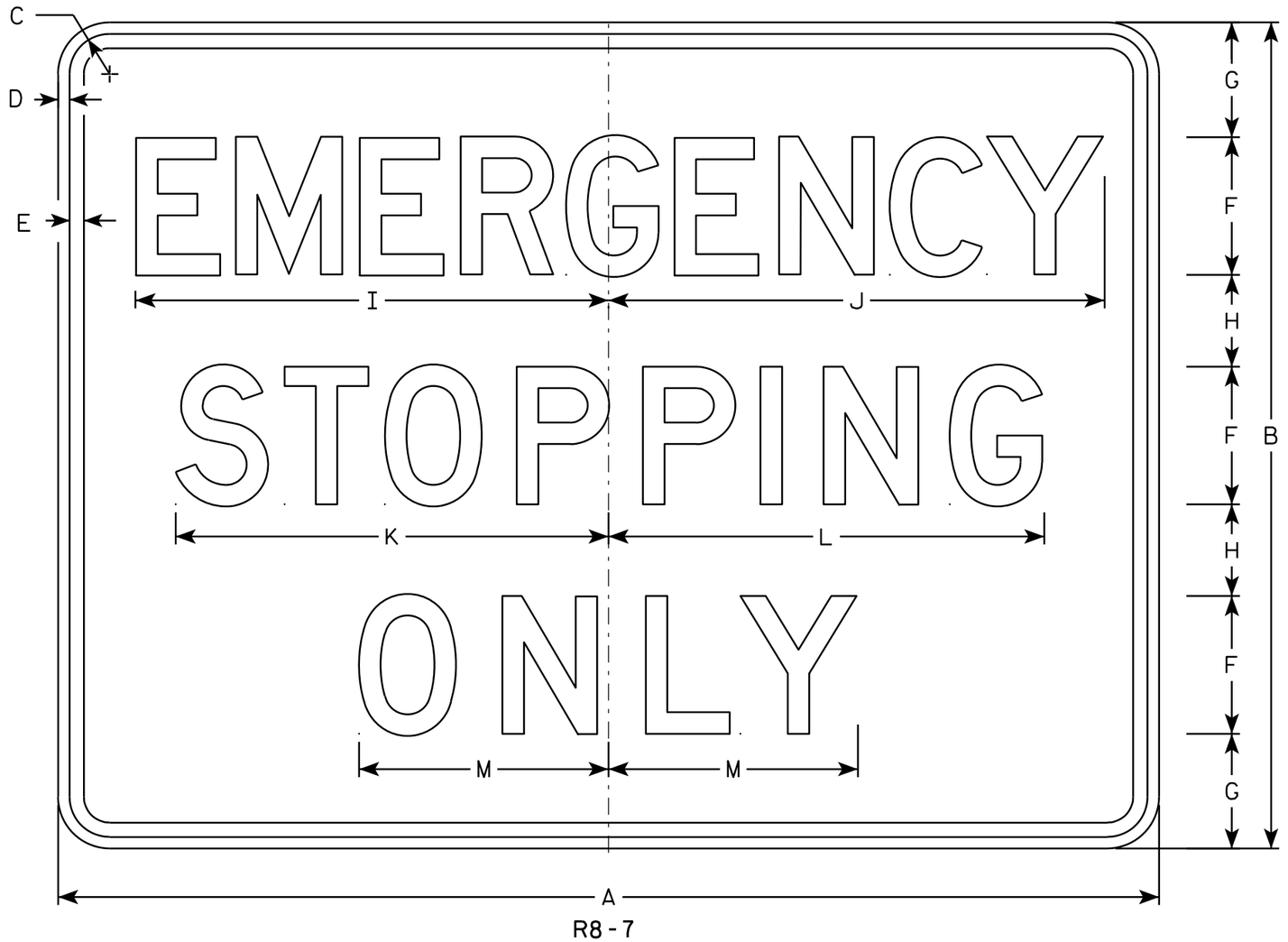
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 225	E



R8 - 7

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	18 7/8	19	10 7/8														12.0
5	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	18 7/8	19	10 7/8														12.0

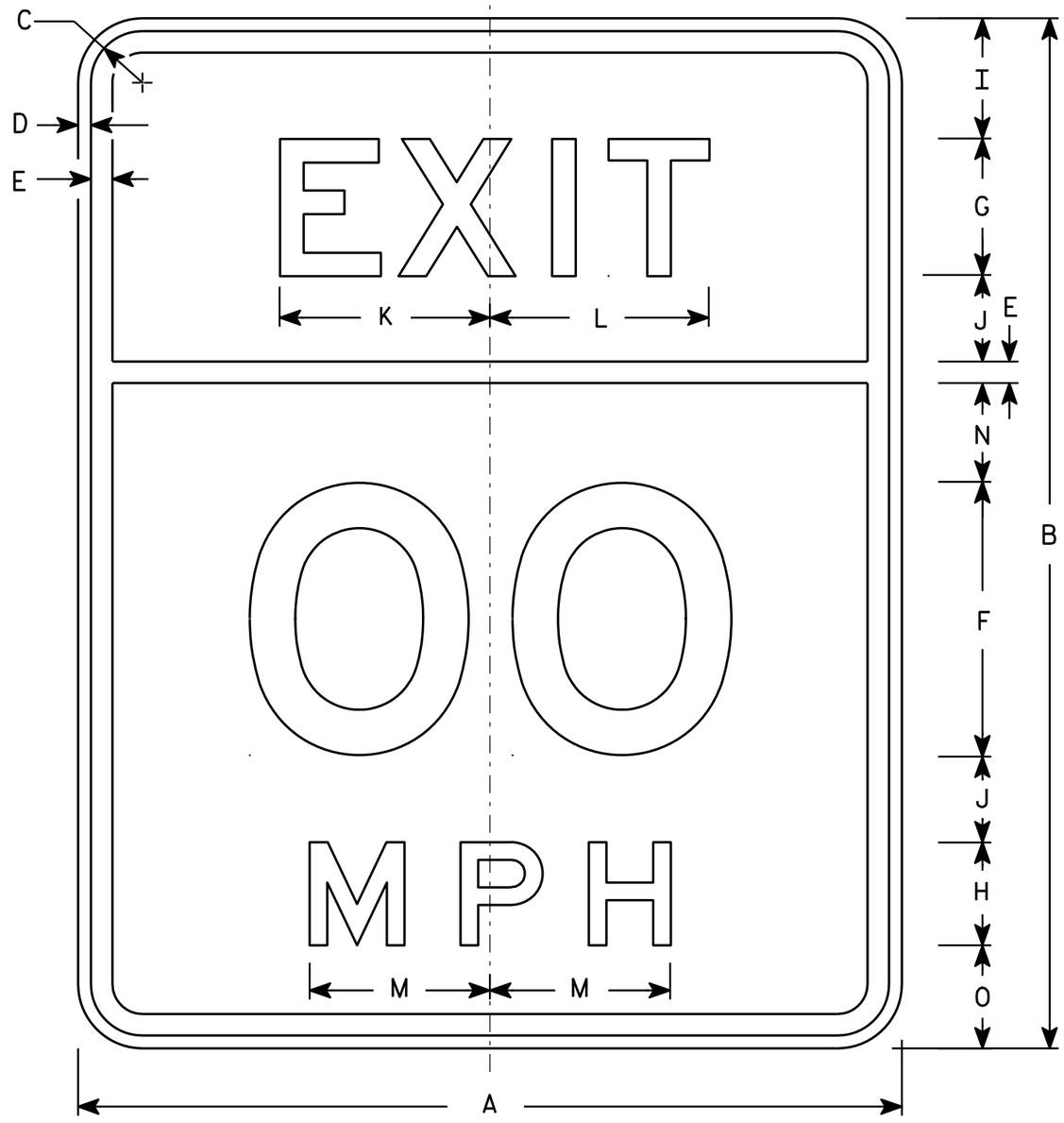
STANDARD SIGN
R8 - 7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R8-7.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 226 | E



W13-2

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/2	3/8	5/8	8	4	3	3 1/2	2 1/2	6 1/8	6 3/8	5 1/4	2 7/8	3												5.0
2M	24	30	1 1/2	3/8	5/8	8	4	3	3 1/2	2 1/2	6 1/8	6 3/8	5 1/4	2 7/8	3												5.0
3	36	48	2 1/4	5/8	7/8	12	6	4	6	4	9 1/4	9 1/2	7 1/8	5 1/8	6												12.0
4	36	48	2 1/4	5/8	7/8	12	6	4	6	4	9 1/4	9 1/2	7 1/8	5 1/8	6												12.0
5	48	60	2 1/4	3/4	1	16	8	6	7	5	12 1/4	12 3/4	10 5/8	5 3/4	6												20.0

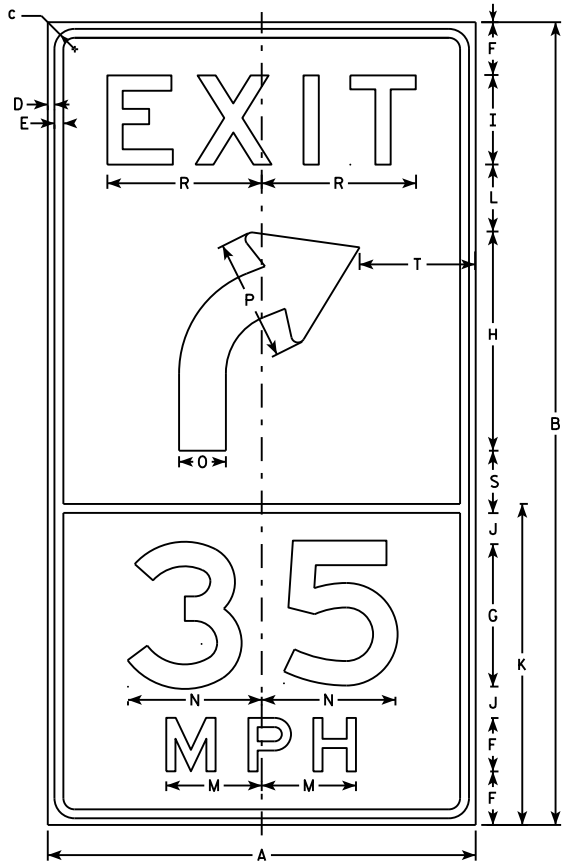
STANDARD SIGN
W13-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-2.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 227 | E



W13-2C

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	90	2 1/4	3/4	1	6	16	24 5/8	10	3 1/2	36	7 1/2	10 3/4	15	5 1/4	13 5/8	12	17 3/8	7	13							30
2M	48	90	2 1/4	3/4	1	6	16	24 5/8	10	3 1/2	36	7 1/2	10 3/4	15	5 1/4	13 5/8	12	17 3/8	7	13							30
3																											
4																											
5																											

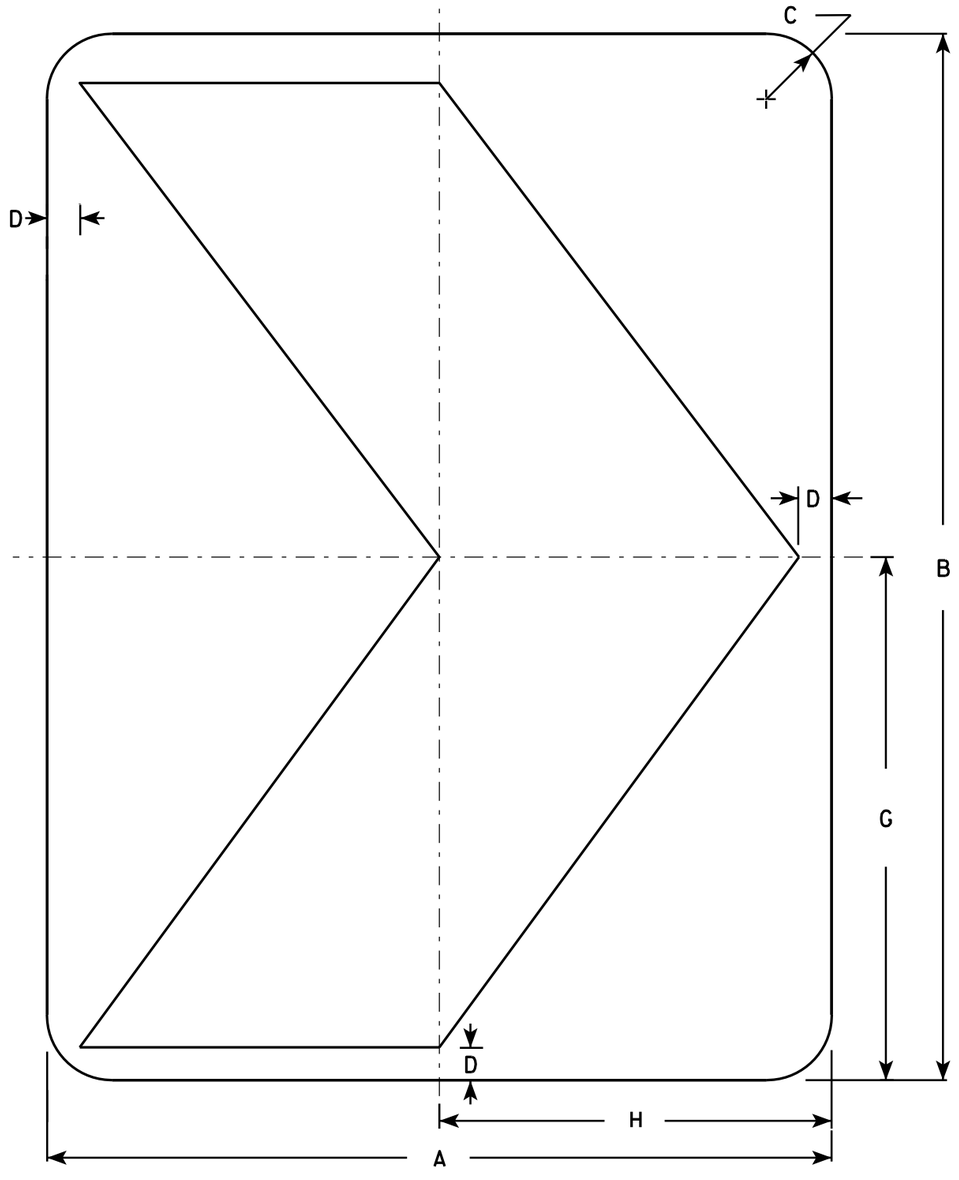
STANDARD SIGN
W13-2C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/12/13 PLATE NO. W13-2C.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



NOTES

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

W1-8

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 ½	½			9	6																			1.5
2S	18	24	1 ½	¾			12	9																			3.0
2M	18	24	1 ½	¾			12	9																			3.0
3	24	30	1 ½	1			15	12																			5.0
4	30	36	1 ⅞	1 ¼			18	15																			7.5
5	36	48	2 ¼	1 ½			24	18																			12.0

STANDARD SIGN
W1-8

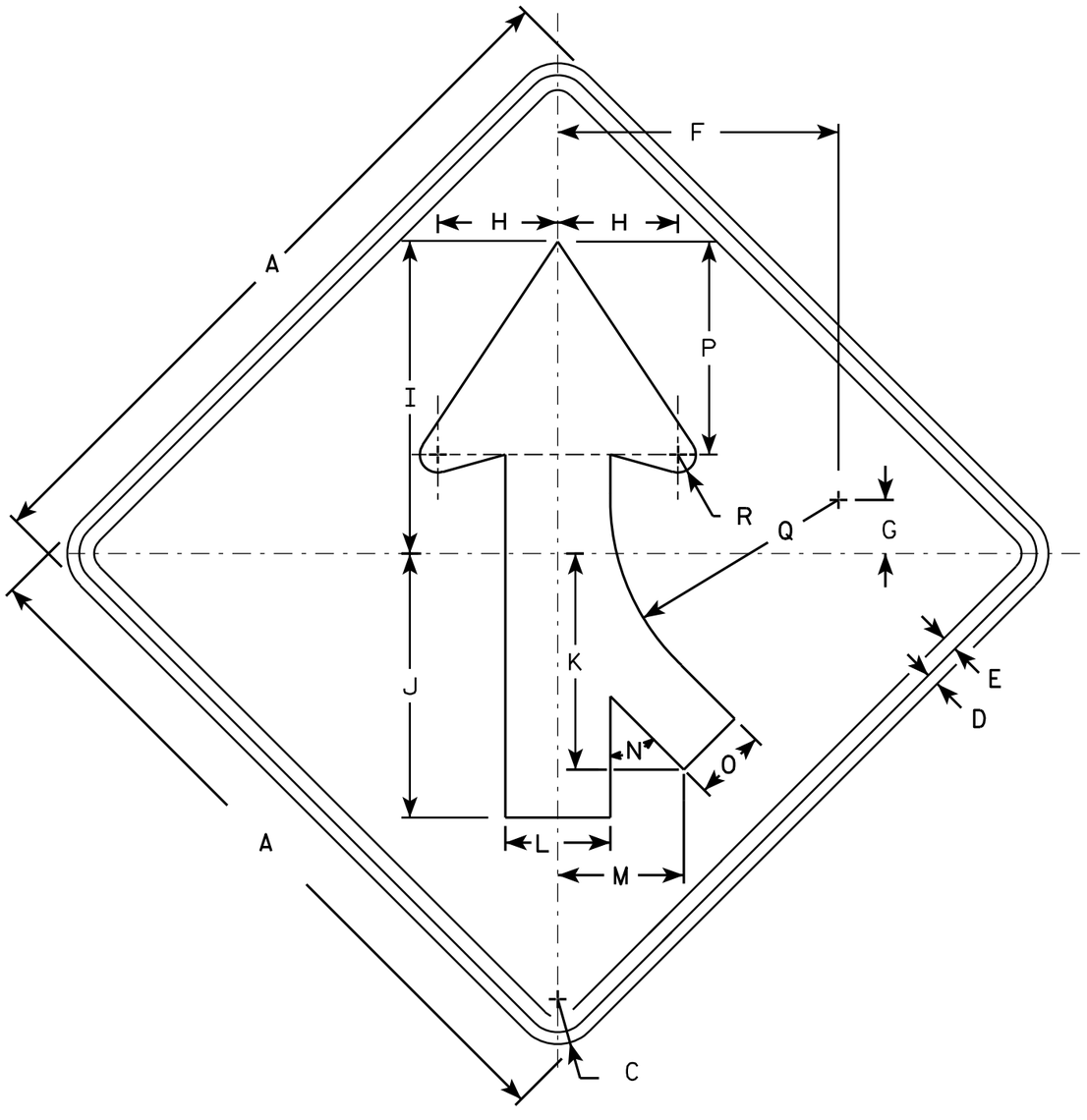
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-8.6

PROJECT NO:

SHEET NO: 229 E



W4-1 R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-1L is the same as W4-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	11 5/8	2 1/2	5	13	11	9	4 3/8	5 1/4	45°	3	8 7/8	9 1/2	3/4									6.25
2S	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2M	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
3	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

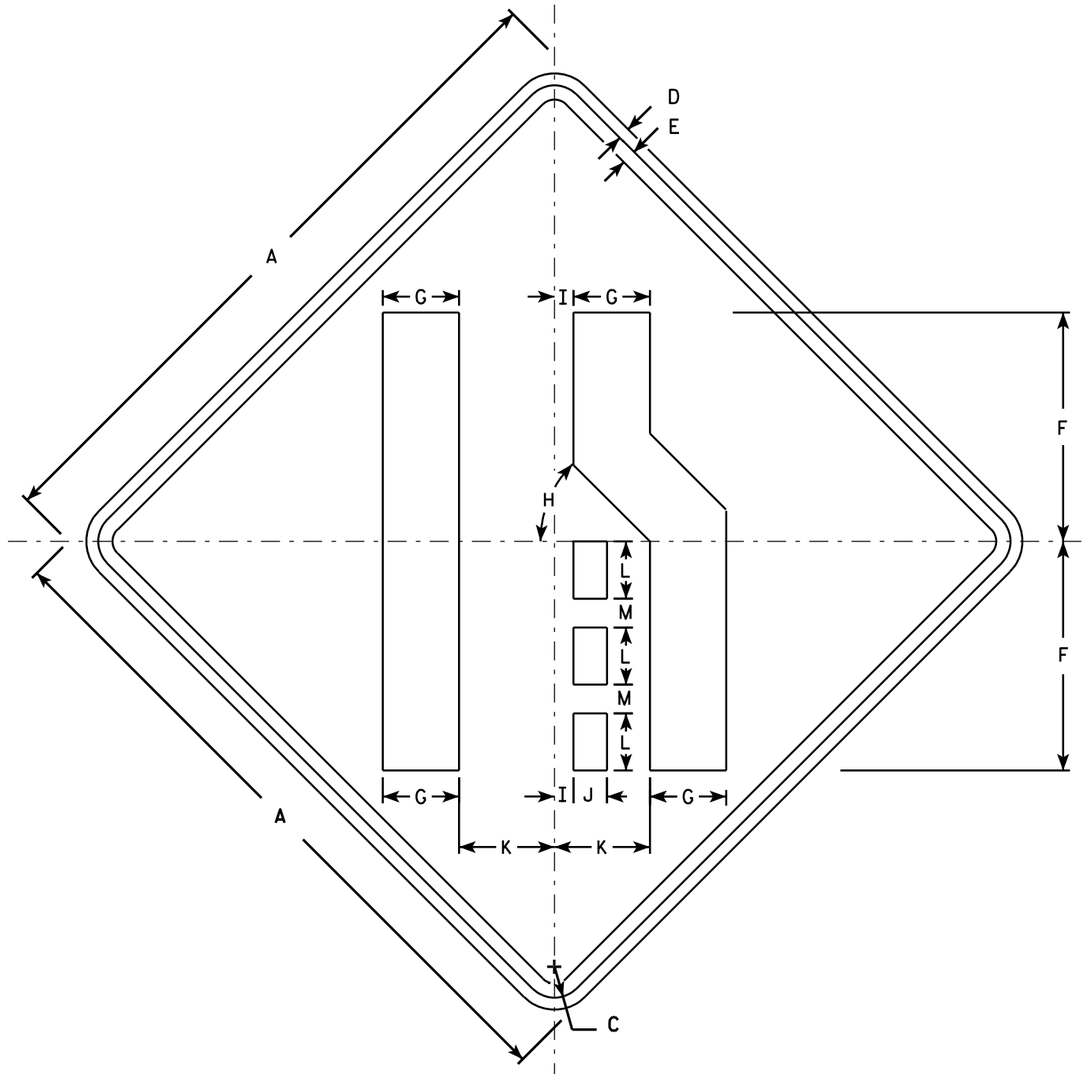
STANDARD SIGN
W4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 230	E



W4-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-2L is the same as W4-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W4-2

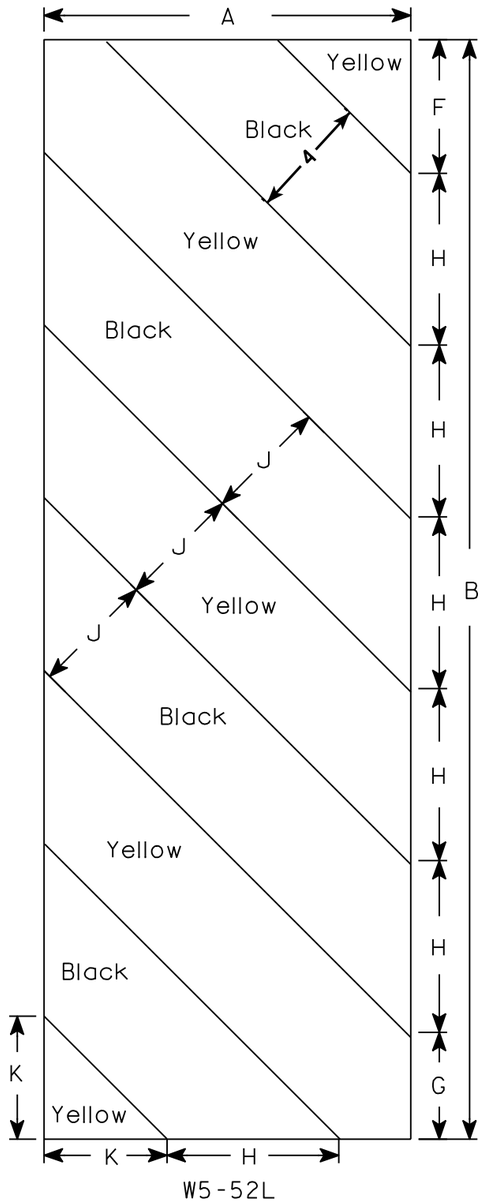
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

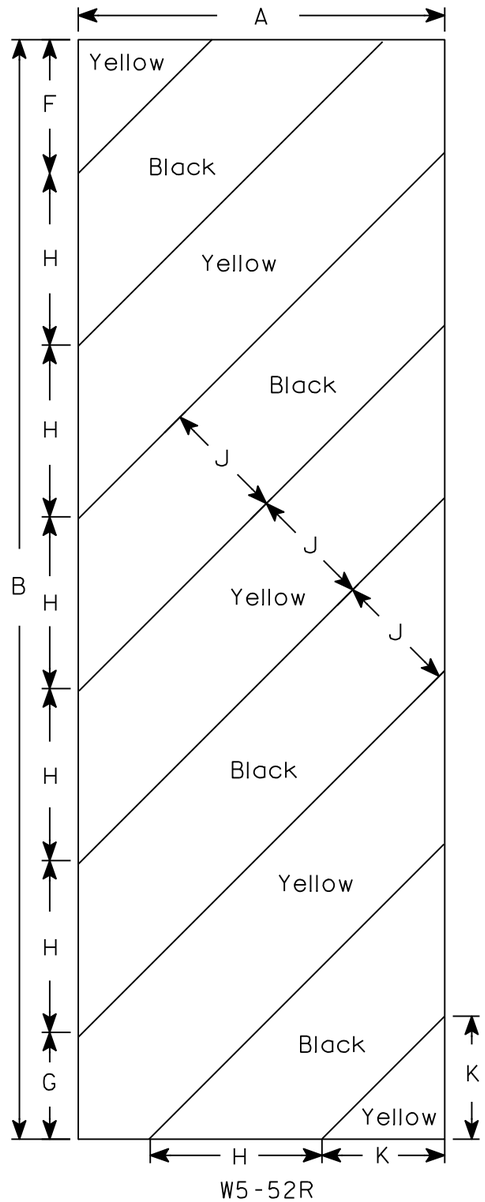
DATE 3/12/13 PLATE NO. W4-2.14

PROJECT NO:

SHEET NO: 231 E



W5-52L



W5-52R

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

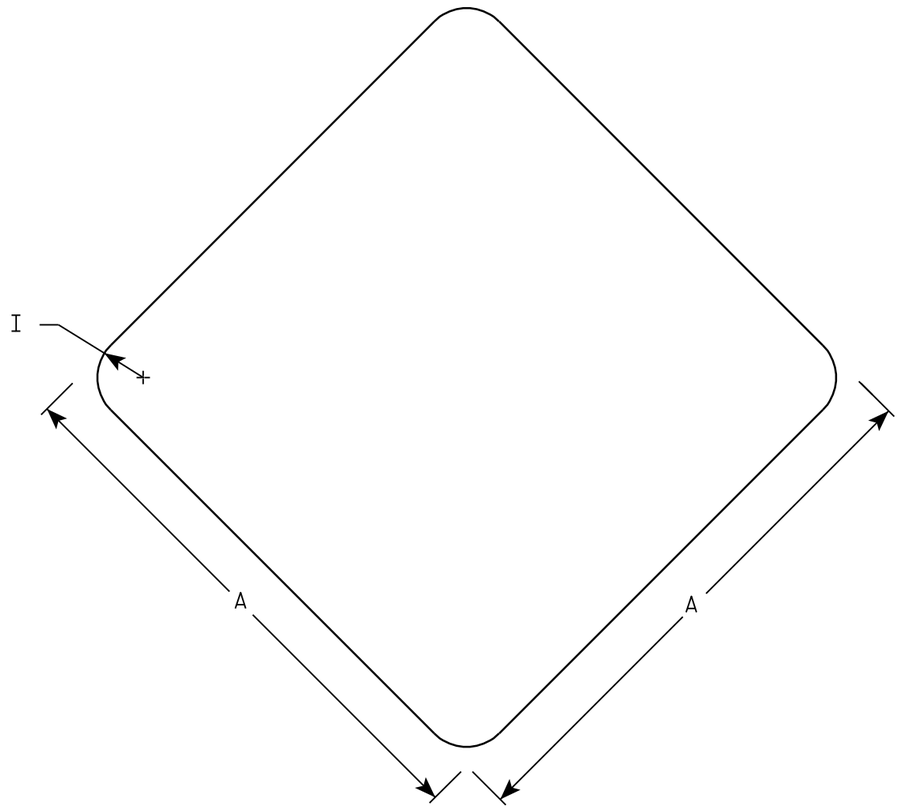
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 232 | E



W5-54

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

STANDARD SIGN
W5-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/3/10 PLATE NO. W5-54.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 233	E

Wisconsin Department of Transportation

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through innovation and exceptional service.

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