LAX

FEB 2018

PROJECT ID: 5991-05-19

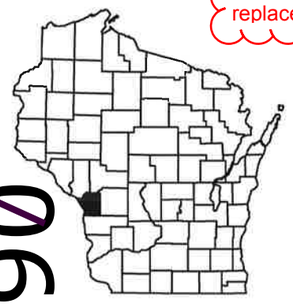
WITH: N/A

COUNTY: LA CROSSE

ORDER OF SHEETS

TOTAL SHEETS = 54

Section No. 2 sheet 17 and 23 are replaced with sheets 17A and 23A.
Section No. 5 sheets 25 and 27 are replaced with sheets 25A and 27A.



N

Subcontractor List
Guide Lines Pavement Marking, LLC
Hard Rock Sawing & Drilling Specialist Co.
Mathy Construction Company
Mattison Contractors, Inc.
Safemark, LLC.
Sampson Concrete
SJK Engineering LLC.
St. Joseph Construction Co, Inc.
WK Construction Co., Inc.

DESIGN DESIGNATION

A.A.D.T.	2018	=	2800
A.A.D.T.	2038	=	3100
D.H.V.	2038	=	293
D.D.	2018	=	59-41
T.		=	3.3
DESIGN SPEED		=	30 MPH
ESALS		=	230,000

CONVENTIONAL SYMBOLS

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

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC — E —
- OVERHEAD UTILITY — OH —
- FIBER OPTIC — FO —
- GAS — G —
- SANITARY SEWER — SAN —
- STORM SEWER — SS —
- TELEPHONE — T —
- WATER — W —
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5991-05-19	WISC 2018085	1

CITY OF LA CROSSE, MARKET STREET

(14TH STREET TO 19TH STREET)

LOCAL STREET

LA CROSSE COUNTY

STATE PROJECT NUMBER
5991-05-19

AS-BUILT PLAN

SUPERVISOR: IAN WINGER
PROJECT MANAGER: CRAIG FISHER
PROJECT LEADER: RYAN FRANZINI
CONTRACTOR: MATHY CONSTRUCTION
WORK STARTED: 6/13/18
WORK COMPLETED: 9/17/18

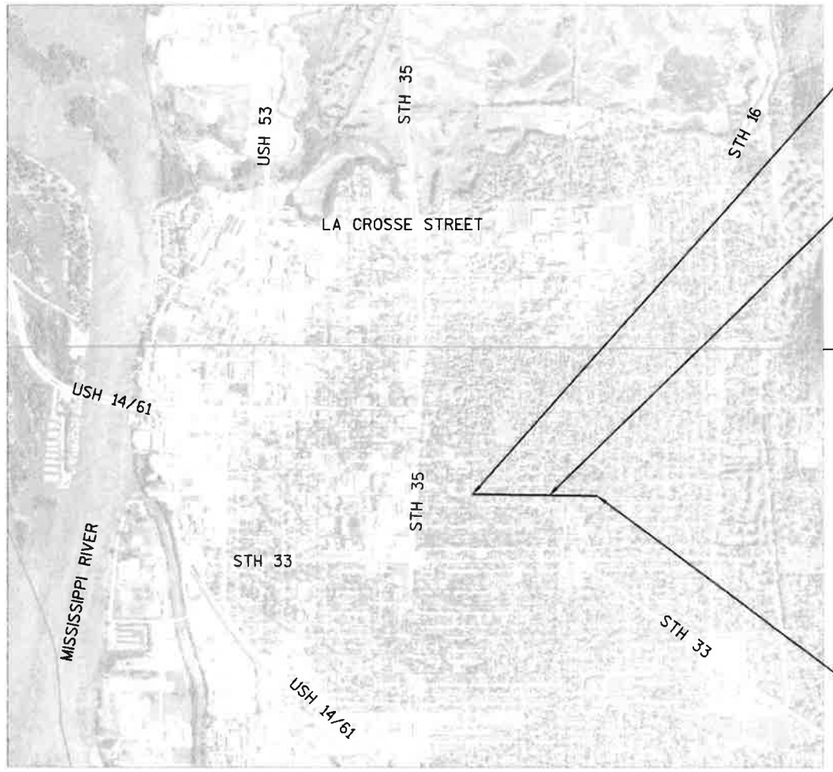
ACCEPTED FOR
CITY of LA CROSSE
Date: 7-13-17
CITY ENGINEER

ORIGINAL PLANS PREPARED BY:

ISG

WISCONSIN
WILLIAM A. KRATT
E-40457
LA CROSSE
WI
PROFESSIONAL ENGINEER
Date: 7/13/17
(Signature)

R-7-W



BEGIN PROJECT
STA. 100+00.00
Y = 660159.924
X = 1642155.342

EXCEPTION TO NET CENTERLINE LENGTH
STA 113+17.16 - STA 114+28.50
17TH STREET S

T-16-N

T-15-N

END PROJECT
STA 122+10.95
Y = 660129.641
X = 1644365.994

LAYOUT
SCALE 0 0.5 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.398 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM SOUTH ZONE. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	CITY OF LA CROSSE
Designer	I+S GROUP, INC.
Management Consultant	KL ENGINEERING, INC.

APPROVED FOR THE DEPARTMENT
DATE: 7/31/17
(Management Consultant Signature)

E

ORDER OF TYPICAL SECTION & DETAIL SHEETS

1. GENERAL NOTES
2. PROJECT OVERVIEW
3. TYPICAL SECTIONS
4. CONSTRUCTION DETAILS
5. PERMANENT SIGNING AND PAVEMENT MARKINGS
6. TRAFFIC CONTROL
7. DETOUR PLAN

STANDARD ABBREVIATIONS

AC	ACRE	INL	INLET
AGG	AGGREGATE	INV	INVERT
AH	AHEAD	JCT	JUNCTION
AADT	ANNUAL AVERAGE DAILY TRAFFIC	LT	LEFT
ASPH	ASPHALTIC	L	LENGTH OF CURVE
AVG	AVERAGE	LIN FT or LF	LINEAR FOOT
BK	BACK	LS	LUMP SUM
BAD	BASE AGGREGATE DENSE	NC	NORMAL CROWN
BM	BENCH MARK	N	NORTH
BR	BRIDGE	NB	NORTHBOUND
CL or C/L	CENTER LINE	NO	NUMBER
CE	COMMERCIAL ENTRANCE	PT	POINT
CONC	CONCRETE	PC	POINT OF CURVATURE
CO	COUNTY	PI	POINT OF INTERSECTION
CTH	COUNTY TRUNK HIGHWAY	PT	POINT OF TANGENCY
CR	CREEK	PCC	PORTLAND CEMENT CONCRETE
CABC	CRUSHED AGGREGATE BASE COURSE	LB	POUND
CY or CUYD	CUBIC YARD	PE	PRIVATE ENTRANCE
CULV	CULVERT	R	RADIUS
CP	CULVERT PIPE	RL or R/L	REFERENCE LINE
C & G	CURB AND GUTTER	RT	RIGHT
D	DEGREE OF CURVE	R/W	RIGHT-OF-WAY
DIA	DIAMETER	RD	ROAD
DISCH	DISCHARGE	SHLDR	SHOULDER
E	EAST	SB	SOUTHBOUND
EB	EASTBOUND	SF or SQ FT	SQUARE FEET
EL or ELEV	ELEVATION	SY or SQ YD	SQUARE YARD
EW	ENDWALL	SDD	STANDARD DETAIL DRAWINGS
ENT	ENTRANCE	STH	STATE TRUNK HIGHWAYS
EXC	EXCAVATION	SE	SUPERELEVATION
EX	EXISTING	T	TANGENT
FERT	FERTILIZER	TEMP	TEMPORARY
FE	FIELD ENTRANCE	USH	UNITED STATES HIGHWAY
FL or F/L	FLOW LINE	V	VELOCITY OR DESIGN SPEED
FT	FOOT	VC	VERTICAL CURVE
HMA	HOT MIX ASPHALT	WB	WESTBOUND
CWT	HUNDREDWEIGHT	YD	YARD

GENERAL NOTES

- ALL RADII ARE MEASURED TO EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN OR NOTED ON THE PLAN.
- ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION. ANY CONFLICTING SIGNS SHALL BE REMOVED.
- TYPICAL SECTIONS SHOW THE GENERAL FEATURES THROUGHOUT THE PROJECT. PAVEMENT SLOPES, TERRACE SLOPES, ETC., MAY VARY WITHIN THE LIMITS OF THE SECTION.
- DISTURBED AREAS BEHIND CURB AND GUTTER ARE TO BE GRADED, SHAPED, AND FINISHED AS DESCRIBED IN THE PLAN SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER.
- WHEN PORTIONS OF EXISTING ASPHALTIC SURFACES ARE TO BE REMOVED TO ACCOMMODATE NEW CONSTRUCTION, THE LINE OF SUCH REMOVAL SHALL BE NEATLY DELINEATED WITH A SAW CUT JOINT THROUGH THE ASPHALTIC SURFACE SO THAT REMOVAL OF THE ASPHALT SHALL BE ACCOMPLISHED WITHOUT DAMAGE TO REMAINING PORTIONS. THE LOCATION OF SAW JOINTS AND THE AMOUNT REMOVED AT SIDE ROADS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- PAVING LIMITS ARE TO BE DETERMINED BY THE ENGINEER.
- CROSS SLOPES AS SHOWN ON THE TYPICAL SECTION WILL VARY AT THE INTERSECTIONS.
- 4.00" HMA PAVEMENT TO BE PLACED IN 2 LAYERS FOR MAINLINE AND SIDE ROADS. THE LEVELING LAYER WILL BE 2.25" 3 LT 58-28 S. THE SURFACE LAYER WILL BE A 1.75" 4 LT 58-28 S.
- HMA WEIGHT CALCULATION IS BASED ON 112 LB/SY/IN.
- TACK COAT APPLICATION RATE IS 0.07 GAL/SY.
- NO TREES OR SHRUBS SHALL BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE BEEN DESIGNATED FOR REMOVAL BY THE ENGINEER.
- THE EXACT LOCATION OF PRIVATE AND FIELD ENTRANCES ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- PLAN ELEVATIONS = USGS DATUM 83.
- BEARINGS SHOWN ON THE PLAN ARE GRID BEARINGS TO THE NEAREST SECOND.
- THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
- THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE MANHOLE COVERS, WATER VALVES AND OTHER UTILITIES IN THE EXISTING PAVEMENT DURING PAVEMENT REMOVAL. NECESSARY WORK TO PROTECT UTILITIES DURING PAVEMENT REMOVAL IS INCIDENTAL TO PAVEMENT REMOVAL ITEMS.
- THE CONTRACTOR SHALL NOTIFY RESIDENT(S) 48 HOURS IN ADVANCE OF CLOSING A PRIVATE DRIVEWAY.

2

AREA CONTACTS

DESIGN CONTACT
ISG
ATTN: MR. WILL KRATT
201 MAIN ST, SUITE 1020
LA CROSSE, WI 54601
PHONE: 608-789-2034
WILL.KRATT@IS-GRP.COM

WisDNR: LA CROSSE COUNTY
DNR SERVICE CENTER
ATTN: MS. KAREN KALVELAGE
3550 MORMON COULEE RD
LA CROSSE, WI 54601
PHONE: 608-785-9115
KAREN.KALVELAGE@WISCONSIN.GOV

CITY OF LA CROSSE
ATTN: MR. MATT GALLAGER
400 LA CROSSE STREET
4TH FLOOR
LA CROSSE, WI 54601
PHONE: 608-789-7505
GALLAGERM@CITYOFLACROSSE.ORG

UTILITY CONTACTS

CITY OF LA CROSSE - WATER
ATTN: MR. MARK GRAFF
400 LA CROSSE ST
LA CROSSE, WI 54601
608-789-7384
GRAFFM@CITYOFLACROSSE.ORG

CITY OF LA CROSSE - SEWER
ATTN: MR. STEVE ASP
400 LA CROSSE ST
LA CROSSE, WI 54601
608-789-7324
ASPS@CITYOFLACROSSE.ORG

XCEL ENERGY, INC. - GAS AND ELECTRIC
ATTN: MR. JAYMIE HOLTE
3215 COMMERCE ST
LA CROSSE, WI 54603
608-789-3698
JAYMIE.L.HOLTE@XCELENERGY.COM

WINDSTREAM - COMMUNICATION LINE
ATTN: MR. KEVIN PARRIS
1858 WRIGHT ST
MADISON, WI 53704
608-819-5016
KEVIN.J.PARRIS@WINDSTREAM.COM

CENTURYLINK - COMMUNICATION LINE
ATTN: MR. TOM MURRAY
333 N FRONT ST
LA CROSSE, WI 54601
608-796-7869
TOM.L.MURRAY@CENTURYLINK.COM

CHARTER COMMUNICATIONS - COMMUNICATION LINE
ATTN: MR. PERRY McCLELLAN
1228 12TH AVE S
ONALASKA, WI 54650
608-317-6213
PERRY.MCCLELLAN@CHARTER.COM

VERIZON BUISNESS / MCI - COMMUNICATION LINE
ATTN: MR. MELVIN CONN
630-371-9960
MELVIN.CONN@VERIZON.COM
INVESTIGATIONS@VERIZON.COM

**DENOTES UTILITES THAT ARE NOT DIGGERS HOTLINE MEMBERS

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

NOTE:
ALL INTERSECTIONS ARE STOP CONTROLLED ON THE SIDE STREET UNLESS OTHERWISE NOTED.

MADISON STREET

FERRY STREET

13TH STREET

14TH STREET

15TH STREET

16TH STREET

17TH STREET

EAST AVENUE

19TH STREET

20TH STREET

MARKET STREET

100 102 104 106 108 110 112 114 116 118 120 122

PUBLIC BUS STOP WITH SHELTER

ALL WAY STOP CONTROLLED INTERSECTION

NET EXCEPTION TO CL LENGTH
STA 113+17.16 - STA 114+28.50

END PROJECT 5991-05-19
STA. 122+10.95
N = 660129.641
E = 1644365.994

BEGIN PROJECT 5991-05-19
STA. 100+00.00
N = 660160.624
E = 1642155.342

WINNEBAGO STREET

CITY OF LA CROSSE

MISSISSIPPI STREET

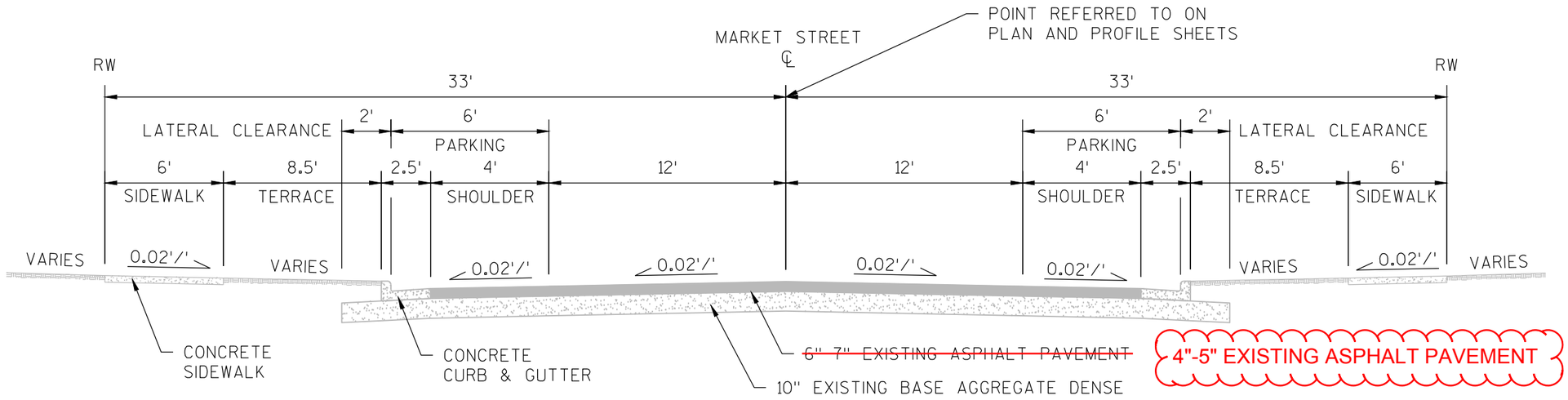
N

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : W:\59910518\C3D\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 01-PO

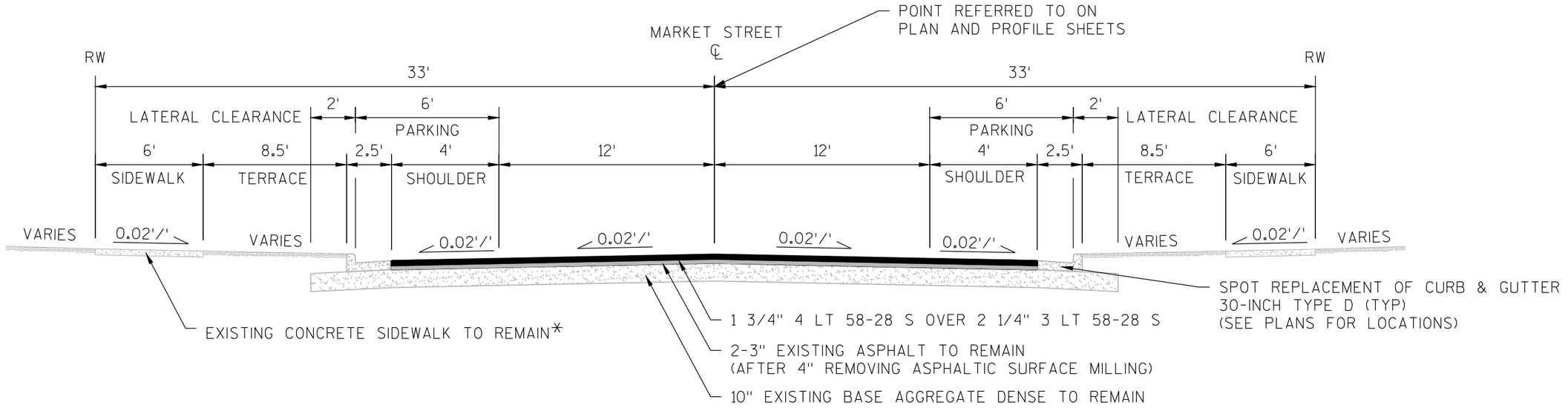
PLOT DATE : 7/14/2017 3:17 PM PLOT BY : CORONA WOYCHIK PLOT NAME : _____ PLOT SCALE : **********

WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION

MARKET STREET
100+00.00 - 122+10.95

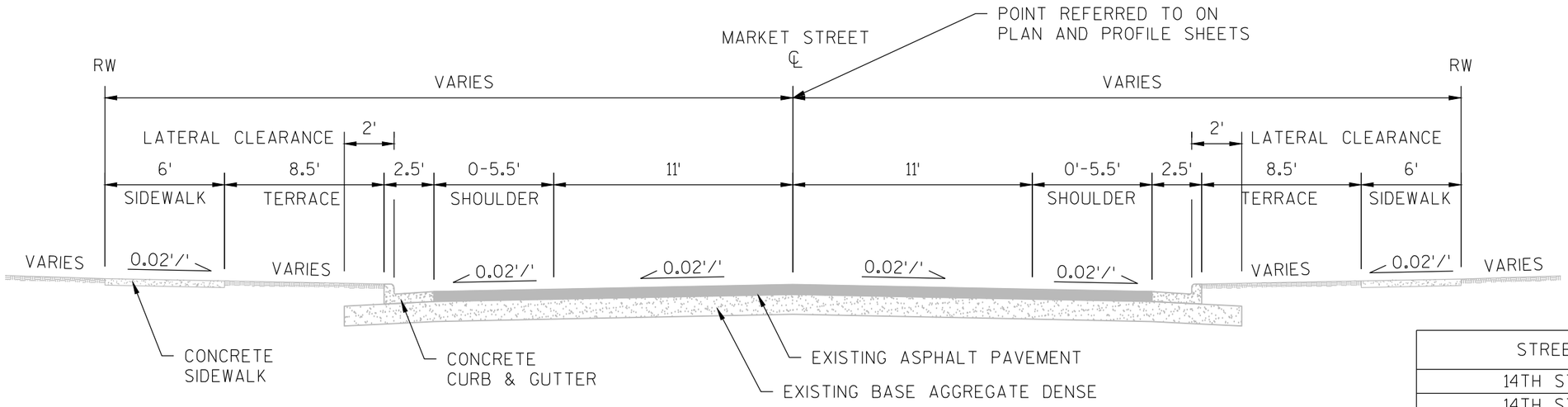


PROPOSED TYPICAL SECTION

MARKET STREET
100+00.00 - 113+17.16
114+28.50 - 122+10.95

*THE CITY OF LA CROSSE HAS AN ANNUAL SIDEWALK REPLACEMENT INSPECTION AND REPLACEMENT PLAN THAT SYSTEMATICALLY ASSURES CONFORMANCE WITH ADA. IMPROVEMENTS TO BE MADE BY OTHERS.

PROJECT NO:5991-05-19	HWY:MARKET STREET	COUNTY:LA CROSSE	TYPICAL SECTIONS	SHEET 5	E

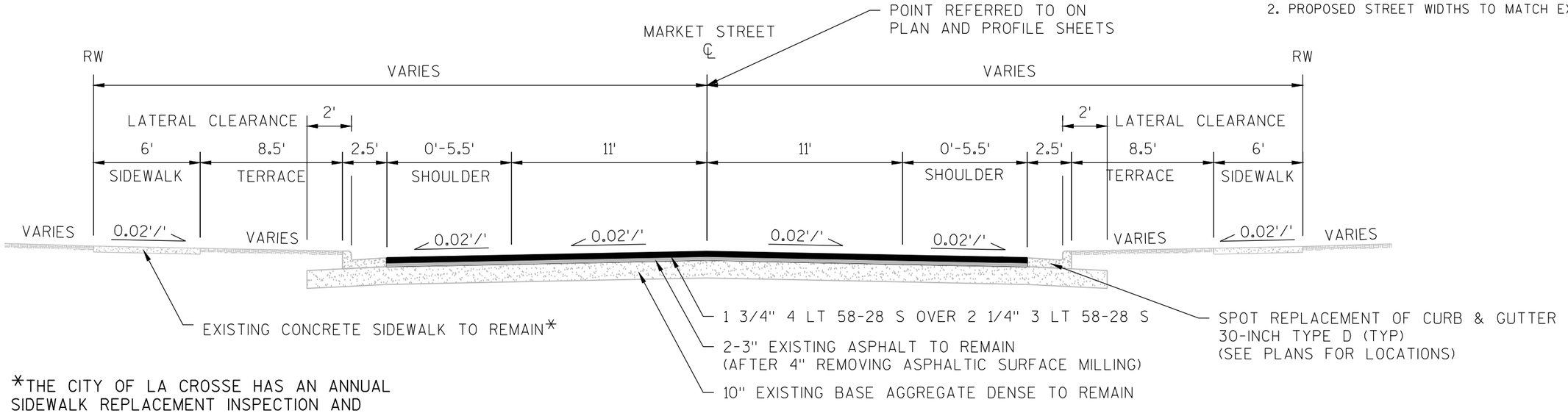


EXISTING TYPICAL SECTION SIDE STREETS

STREET NAME	
14TH STREET (N)	35'
14TH STREET (S)	36'
15TH STREET	36'
16TH STREET	36'
17TH STREET (N)	35'
17TH STREET (S)	36'
EAST AVENUE (N)	26'
EAST AVENUE (S)	35'
19TH STREET (N)	37'
19TH STREET (S)	36'

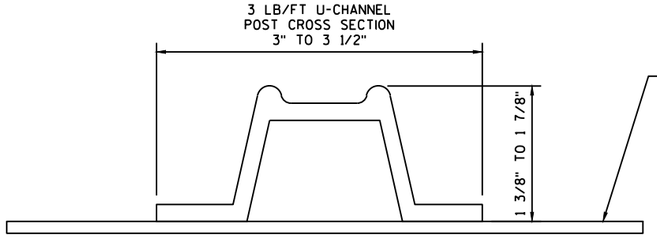
NOTES:

1. WIDTHS MEASURED FROM FACE OF CURB TO FACE OF CURB
2. PROPOSED STREET WIDTHS TO MATCH EXISTING

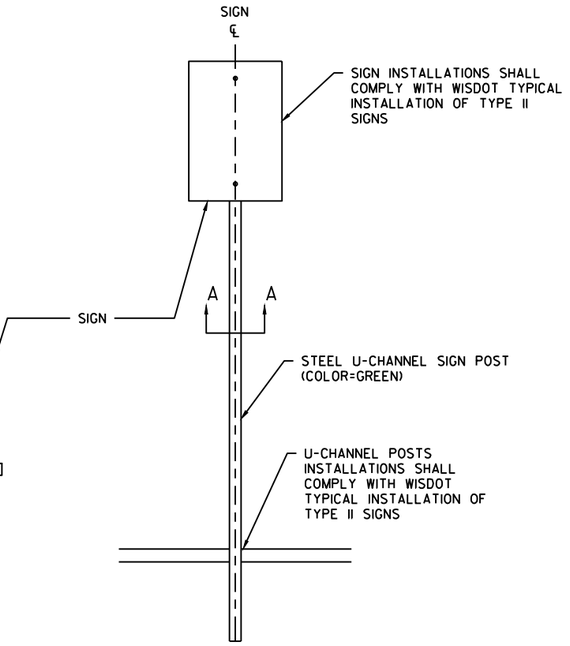


*THE CITY OF LA CROSSE HAS AN ANNUAL SIDEWALK REPLACEMENT INSPECTION AND REPLACEMENT PLAN THAT SYSTEMATICALLY ASSURES CONFORMANCE WITH ADA. IMPROVEMENTS TO BE MADE BY OTHERS.

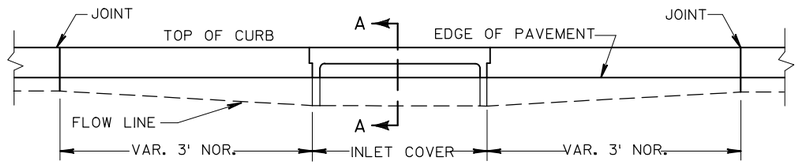
PROPOSED TYPICAL SECTION SIDE STREETS



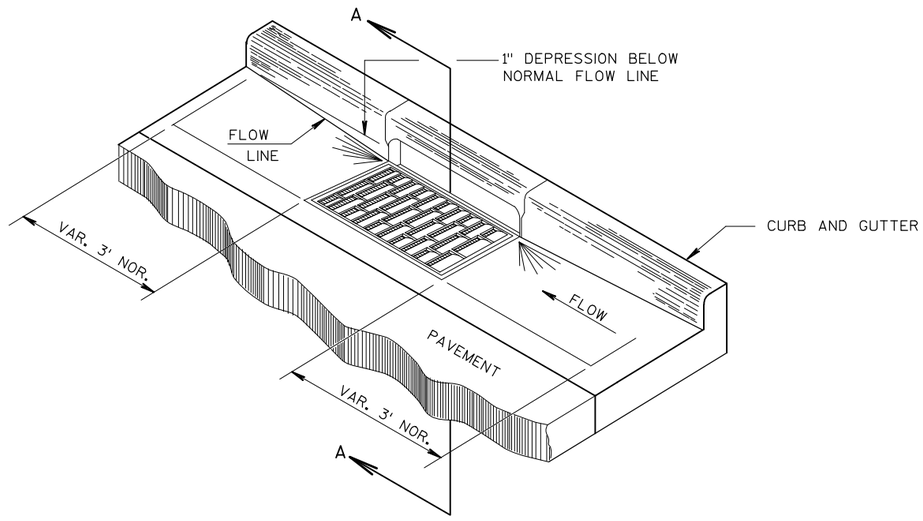
SECTION A-A

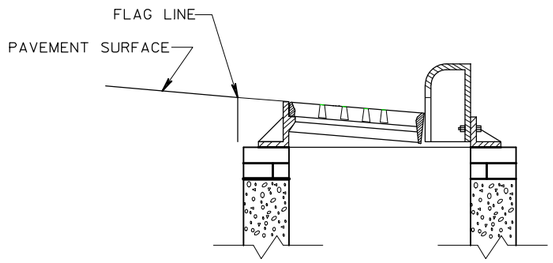


POSTS STEEL U-CHANNEL (SIZE)



ELEVATION





SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

2

MARKING STOP LINE EPOXY 18-INCH (WHITE)

STOP
R1-1
30"X30"

STOP
REMOVE

14TH ST "A"

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

6'

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

MARKING LINE EPOXY 4-INCH
(12.5' LINE, 37.5 GAP, DASHED YELLOW)

6'

⊘WV

6'

⊘WV

11'

MARKING SYMBOL EPOXY (WHITE)

MARKING LINE EPOXY 4-INCH
(12.5' LINE, 37.5 GAP, DASHED YELLOW)

11'

100

101

102

103

11'

11'

MARKING CROSSWALK EPOXY
TRANSVERSE LINE 6-INCH (WHITE)

6'

STOP
REMOVE

STOP
R1-1
30"X30"

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

MARKING STOP LINE EPOXY 18-INCH (WHITE)

N

MARKING STOP LINE EPOXY 18-INCH (WHITE)

STOP
R1-1
30"X30"

STOP
REMOVE

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

6'

MARKING CROSSWALK EPOXY
TRANSVERSE LINE 6-INCH (WHITE)

N

MARKING LINE EPOXY 4-INCH
(12.5' LINE, 37.5 GAP, DASHED YELLOW)

11'

MARKING SYMBOL EPOXY (WHITE)

15TH ST "B"

6'

⊘WV

6'

11'

103

104

105

106

11'

11'

MARKING CROSSWALK EPOXY
TRANSVERSE LINE 6-INCH (WHITE)

6'

STOP
REMOVE

STOP
R1-1
30"X30"

W3-1
30"X30"

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	SIGNING AND PAVEMENT MARKING	SHEET 8	E

2

2

N

STOP
R1-1
30"X30"

STOP
REMOVE

MARKING SYMBOL EPOXY (WHITE)

MARKING LINE EPOXY 4-INCH
12.5' LINE, 37.5 GAP, DASHED YELLOW)

106 107 108 109

11'

STOP AHEAD

2 HOUR PARKING 8AM TO 6PM

1 HOUR PARKING 8AM TO 6PM

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

MARKING STOP LINE EPOXY 18-INCH (WHITE)

6'

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

MARKING STOP LINE EPOXY 18-INCH (WHITE)

MARKING LINE EPOXY 4-INCH
(12.5' LINE, 37.5 GAP, DASHED YELLOW)

109 110 111 112

MARKING SYMBOL EPOXY (WHITE)

16TH ST "C"

W3-1
30"X30"

MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	SIGNING AND PAVEMENT MARKING	SHEET 9	E

FILE NAME : W:\59910518\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 02-pm

PLOT DATE : 7/14/2017 3:19 PM PLOT BY : CORONA WOYCHIK PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

STOP

N

MARKING LINE EPOXY 4-INCH
(12.5' LINE, 37.5 GAP, DASHED YELLOW)

11'

112

113

114

MARKING SYMBOL EPOXY (WHITE)

115

STOP

MARKING STOP LINE EPOXY 18-INCH (WHITE)

STOP
REMOVE

STOP
R1-1
30"X30"

6'

MARKING CROSSWALK
EPOXY TRANSVERSE
LINE 6-INCH (WHITE)

EAST AVE "F"

MARKING LINE EPOXY 4-INCH
(12.5' LINE, 37.5 GAP, DASHED YELLOW)

MARKING SYMBOL EPOXY (WHITE)

115

116

117

118

EAST AVE "G"

EXISTING SIGN AND POST TO REMAIN

MARKING CROSSWALK EPOXY
TRANSVERSE LINE 6-INCH (WHITE)

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	SIGNING AND PAVEMENT MARKING	SHEET 10	E

FILE NAME : W:\59910518\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 03-pm

PLOT DATE : 7/14/2017 9:50 PM

PLOT BY : CORONA WOYCHIK

PLOT NAME :

PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

MARKING STOP LINE EPOXY 18-INCH (WHITE)

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

STOP
REMOVE

STOP
R1-1
30"X30"

6'

EAST AVE "F"

⊘ WV

11'

MARKING LINE EPOXY 4-INCH
(12.5' LINE, 37.5 GAP, DASHED YELLOW)

N

2

6'

118

119

120

11'

11'

MARKING SYMBOL EPOXY (WHITE)

EAST AVE "G"

STOP
REMOVE

STOP
R1-1
30"X30"

MARKING CROSSWALK EPOXY
TRANSVERSE LINE 6-INCH (WHITE)

6'

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

MARKING STOP LINE EPOXY 18-INCH (WHITE)

MARKING STOP LINE EPOXY 18-INCH (WHITE)

STOP
R1-1
30"X30"

19TH ST "J"

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

⊘ WV

6'

STOP
REMOVE

N

EXISTING SIGN AND POST TO REMAIN

11'

MARKING LINE EPOXY 4-INCH
(12.5' LINE, 37.5 GAP, DASHED YELLOW)

120

121

122

6'

19TH ST "H"

11'

MARKING SYMBOL EPOXY (WHITE)

MARKING
CROSSWALK EPOXY
TRANSVERSE LINE
6-INCH (WHITE)

STOP
REMOVE

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
(WHITE)

6'

STOP
R1-1
30"X30"

MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	SIGNING AND PAVEMENT MARKING	SHEET 11	E

FILE NAME : W:\59910518\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 04-pm

PLOT DATE : 7/14/2017 3:20 PM PLOT BY : CORONA WOYCHIK PLOT NAME : PLOT SCALE : 1 IN:20 FT

(1) 3-TYPE III BARRICADES
4-TYPE A LIGHTS
1-ROAD CLOSED MOUNTED ON A TYPE III BARRICADE.
SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 1 WHEN CROSS TRAFFIC IS NOT ALLOWED.

(2) 1-ROAD CLOSED AHEAD SIGN ON TEMPORARY SUPPORT
1-ROAD CLOSED 500' SIGN ON TEMPORARY SUPPORT
SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 1 WHEN CROSS TRAFFIC IS NOT ALLOWED.

(3) 1-ROAD CLOSED AHEAD" SIGN ON TEMPORARY SUPPORT
1-ROAD CLOSED 1000' SIGN ON TEMPORARY SUPPORT
1-ROAD CLOSED 500' SIGN ON TEMPORARY SUPPORT
SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B.

(4) 3-TYPE III BARRICADES
4-TYPE A LIGHTS
1-ROAD CLOSED MOUNTED ON A TYPE III BARRICADE.
SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B.

(5) 1-ROAD WORK AHEAD SIGN ON TEMPORARY SUPPORT

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	TRAFFIC CONTROL	SHEET 12	E

2

2

N

WEST AVENUE S

CASS STREET

17TH PLACE S

LOSEY BOULEVARD

CASS STREET

23RD STREET S

24TH STREET S

MADISON STREET

13TH STREET S

14TH STREET S

15TH STREET S

16TH STREET S

17TH STREET S

19TH STREET S

20TH STREET S

21ST STREET S

22ND STREET S

FERRY STREET

FERRY STREET

WORK ZONE

MARKET STREET

SEE DETAIL A

500'

500'

DETAIL A

500'

500'

① DETOUR M4-8 24"X12" / MARKET STREET M1-5A 24"X24"

② MARKET STREET M1-5A 24"X24" / DETOUR M4-59L 30"X24"

③ MARKET STREET M1-5A 24"X24" / DETOUR M4-59R 30"X24"

④ MARKET STREET M1-5A 24"X24" / DETOUR M4-9L 30"X24"

⑤ MARKET STREET M1-5A 24"X24" / DETOUR M4-9R 30"X24"

⑥ DETOUR M4-8 24"X12" / MARKET STREET M1-5A 24"X24" / M6-1 21"X21"

⑦ END DETOUR M4-8A 24"X18"

⑧ DETOUR AHEAD W20-2-A / MARKET STREET M1-5A 24"X24"

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	DETOUR PLAN	SHEET 13	E

FILE NAME : W:\59910518\C3D\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 01-dt

PLOT DATE : 7/14/2017 3:20 PM PLOT BY : CORONA WOYCHIK PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 42

5991-05-19

Line	Item	Item Description	Unit	Total	Qty
0002	204.0120	Removing Asphaltic Surface Milling	SY	8,272.000	8,272.000
0004	204.0150	Removing Curb & Gutter	LF	393.000	393.000
0006	204.0210	Removing Manholes	EACH	1.000	1.000
0008	204.0220	Removing Inlets	EACH	1.000	1.000
0010	213.0100	Finishing Roadway (project) 01. 5991-05-19	EACH	1.000	1.000
0012	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	300.000	300.000
0014	455.0605	Tack Coat	GAL	584.000	584.000
0016	460.5223	HMA Pavement 3 LT 58-28 S	TON	1,048.000	1,048.000
0018	460.5224	HMA Pavement 4 LT 58-28 S	TON	815.000	815.000
0020	465.0105	Asphaltic Surface	TON	90.000	90.000
0022	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	393.000	393.000
0024	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000
0026	611.3004	Inlets 4-FT Diameter	EACH	1.000	1.000
0028	611.8110	Adjusting Manhole Covers	EACH	4.000	4.000
0030	611.8115	Adjusting Inlet Covers	EACH	6.000	6.000
0032	611.8120.S	Cover Plates Temporary	EACH	21.000	21.000
0034	618.0100	Maintenance And Repair of Haul Roads (project) 01. 5991-05-19	EACH	1.000	1.000
0036	619.1000	Mobilization	EACH	1.000	1.000
0038	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000
0040	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0042	628.7015	Inlet Protection Type C	EACH	17.000	17.000
0044	637.2210	Signs Type II Reflective H	SF	62.160	62.160
0046	637.2230	Signs Type II Reflective F	SF	12.500	12.500
0048	638.2602	Removing Signs Type II	EACH	14.000	14.000
0050	638.3000	Removing Small Sign Supports	EACH	14.000	14.000
0052	642.5001	Field Office Type B	EACH	1.000	1.000
0054	643.0420	Traffic Control Barricades Type III	DAY	2,100.000	2,100.000
0056	643.0715	Traffic Control Warning Lights Type C	DAY	2,800.000	2,800.000
0058	643.0900	Traffic Control Signs	DAY	4,000.000	4,000.000
0060	643.5000	Traffic Control	EACH	1.000	1.000
0062	646.1020	Marking Line Epoxy 4-Inch	LF	538.000	538.000
0064	646.5220	Marking Symbol Epoxy	EACH	28.000	28.000
0066	646.6120	Marking Stop Line Epoxy 18-Inch	LF	187.000	187.000
0068	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,190.000	1,190.000
0070	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	393.000	393.000
0072	650.8000	Construction Staking Resurfacing Reference	LF	2,337.000	2,337.000
0074	650.9910	Construction Staking Supplemental Control (project) 01. 5991-05-19	LS	1.000	1.000
0076	690.0150	Sawing Asphalt	LF	439.000	439.000

5991-05-19

Line	Item	Item Description	Unit	Total	Qty
0078	690.0250	Sawing Concrete	LF	55.000	55.000
0080	SPV.0060	Special 01. Adjusting Water Valves	EACH	4.000	4.000
0082	SPV.0060	Special 02. Manhole Covers Special	EACH	10.000	10.000
0084	SPV.0060	Special 03. Inlet Covers Special	EACH	1.000	1.000
0086	SPV.0060	Special 04. Posts Steel U-Channel 14-FT	EACH	14.000	14.000
0088	SPV.0090	Special 01. Grading, Shaping, and Finishing for Curb and Gutter Replacement	LF	393.000	393.000
0090	SPV.0180	Special 01. Removing Material for HMA Repair	SY	90.000	90.000

3

REMOVING ASPHALTIC SURFACE MILLING

CATEGORY	STATION	TO	STATION	LOCATION	204.0120 SY	REMARKS
0010	100+00	-	113+17	LT/RT	4600	MAINLINE
0010	114+29	-	122+11	LT/RT	2767	MAINLINE
0010	9+90 A	-	10+08 A	LT/RT	78	14TH ST
0010	10+40 A	-	10+61 A	LT/RT	90	14th ST
0010	19+21 B	-	19+40 B	LT/RT	81	15TH ST
0010	19+71 B	-	20+00 B	LT/RT	117	15TH ST
0010	29+26 C	-	29+46 C	LT/RT	85	16TH ST
0010	29+77 C	-	30+00 C	LT/RT	98	16TH ST
0010	49+55 F	-	50+00 F	LT/RT	89	EAST AVE
0010	60+16 G	-	60+41 G	LT/RT	107	EAST AVE
0010	70+16 H	-	70+34 H	LT/RT	79	19TH ST
0010	79+65 J	-	79+84 J	LT/RT	81	19TH ST
			PROJECT TOTALS =		8272	

FINISHING ROADWAY (PROJECT) 01. 5991-05-19

CATEGORY	LOCATION	213.0100 EACH	REMARKS
0010	PROJECT 5991-05-19	1	MAINLINE
	PROJECT TOTALS =	1	

BASE AGGREGATE DENSE 1 1/4-INCH

CATEGORY	LCOATION	305.0120 TON	REMARKS
0010	UNDISTRIBUTED	50	FOR STORM STRUCTURE
0010	UNDISTRIBUTED	200	FOR HMA REPAIR
	TOTAL 0010	250	
0020	UNDISTRIBUTED	50	FOR SANITARY STRUCTURE
	TOTAL 0020	50	
	PROJECT TOTALS =	300	

CURB & GUTTER SUMMARY

CATEGORY	STATION	TO	STATION	LOCATION	REMOVING CURB & GUTTER 204.0150 LF	CONCRETE CURB & GUTTER 30-INCH TYPE D 601.0411 LF	CONSTRUCTION STAKING CURB & GUTTER 650.5500 LF	GRADING, SHAPING, FINISHING FOR CURB AND GUTTER SPV.0090.01 LF	REMARKS
0010	10+42 A	-	10+52 A	LT	10	10	10	10	14TH ST
0010	102+80	-	103+05	RT	25	25	25	25	MAINLINE
0010	19+72 B	-	20+00 B	RT	43	43	43	43	15TH ST
0010	19+29 B	-	19+36 B	LT	10	10	10	10	15TH ST
0010	19+71 B	-	19+94 B	LT	28	28	28	28	15TH ST
0010	107+76	-	108+26	RT	50	50	50	50	MAINLINE
0010	29+35C	-	29+45C	RT	10	10	10	10	16TH ST
0010	29+79C	-	29+89C	RT	10	10	10	10	16TH ST
0010	111+77	-	112+17	RT	40	40	40	40	MAINLINE
0010	115+48	-	115+58	RT	10	10	10	10	MAINLINE
0010	49+63 F	-	49+86 F	RT	39	39	39	39	EAST AVE
0010	49+55 F	-	49+82 F	LT	34	34	34	34	EAST AVE
0010	60+18 G	-	60+38 G	RT	26	26	26	26	EAST AVE
0010	60+13 G	-	60+29 G	LT	26	26	26	26	EAST AVE
0010	79+42 J	-	79+60 J	RT	32	32	32	32	19TH ST
			PROJECT TOTALS =		393	393	393	393	

ASPHALTIC PAVING ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	TACK COAT 455.0605 GAL	HMA PAVEMENT 3 LT 58-28 S 460.5223 TON	HMA PAVEMENT 4 LT 58-28 S 460.5224 TON	REMARKS
0010	100+00	-	113+17	LT/RT	322	580	451	MAINLINE
0010	114+29	-	122+11	LT/RT	194	349	272	MAINLINE
0010	9+90 A	-	10+08 A	LT/RT	6	10	8	14TH ST
0010	10+40 A	-	10+61 A	LT/RT	7	12	9	14th ST
0010	19+21 B	-	19+40 B	LT/RT	6	11	8	15TH ST
0010	19+71 B	-	20+00 B	LT/RT	9	15	12	15TH ST
0010	29+26 C	-	29+46 C	LT/RT	6	11	9	16TH ST
0010	29+77 C	-	30+00 C	LT/RT	7	13	10	16TH ST
0010	49+55 F	-	50+00 F	LT/RT	7	12	9	EAST AVE
0010	60+16 G	-	60+41 G	LT/RT	8	14	11	EAST AVE
0010	70+16 H	-	70+34 H	LT/RT	6	10	8	19TH ST
0010	79+65 J	-	79+84 J	LT/RT	6	11	8	19TH ST
			PROJECT TOTALS =		584	1048	815	

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ASPHALTIC SURFACE

CATEGORY	LOCATION	465.0105 TON	REMARKS
0010	UNDISTRIBUTED	20	FOR LEVELING REQ'D DUE TO STORM STRUCTURE REPLACEMENT
0010	UNDISTRIBUTED	50	FOR HMA REPAIR
	TOTAL 0010	70	
0020	UNDISTRIBUTED	20	FOR LEVELING REQ'D DUE TO SANITARY STRUCTURE REPLACEMENT
	TOTAL 0020	20	
	PROJECT TOTALS =	90	

MANHOLE SUMMARY

Sheet replaced with 17A

CATEGORY	STATION	LOCATION	REMOVING MANHOLES 204.0210 EACH	MANHOLES 4-FT DIAMETER 611.2004 EACH	REMARKS
0020	109+40	CL	1	1	REPLACE SANITARY STRUCTURE AND CASTING
	PROJECT TOTALS =		1	1	

INLET SUMMARY

CATEGORY	STATION	LOCATION	REMOVING INLETS 204.0220 EACH	INLETS 4-FT DIAMETER 611.3004 EACH	REMARKS
0010	105+10	LT 22'	1	1	REPLACE STRUCTURE AND CASTING (NE 15TH ST)
	PROJECT TOTALS =		1	1	

ADJUSTING MANHOLE COVERS

CATEGORY	STATION	611.8110 EACH	REMARKS
0010	108+97	1	WATER
0010	109+69	1	WATER
0010	117+63	1	WATER
0010	121+43	1	STORM
	PROJECT TOTAL	4	

ADJUSTING INLET COVERS

CATEGORY	STATION	LOCATION	611.8115 EACH	REMARKS
0010	100+54	24' RT	1	REPLACE ADJUSTING RINGS (SW 14TH ST)
0010	104+91	25' RT	1	SW 15TH ST
0010	105+29	22' RT	1	SE 15TH ST
0010	109+15	21' LT	1	REPLACE ADJUSTING RINGS (NW 16TH ST)
0010	109+15	21' RT	1	REPLACE ADJUSTING RINGS (SW 16TH ST)
0010	121+59	20' LT	1	NW 19TH ST
	PROJECT TOTALS =		6	

ASPHALTIC SURFACE

CATEGORY	LOCATION	465.0105 TON	REMARKS
~~0010~~	~~UNDISTRIBUTED~~	~~20~~	~~FOR LEVELING REQ'D DUE TO STORM STRUCTURE REPLACEMENT~~
0010	UNDISTRIBUTED	50	FOR HMA REPAIR
	TOTAL 0010	50	
~~0020~~	~~UNDISTRIBUTED~~	~~20~~	~~FOR LEVELING REQ'D DUE TO SANITARY STRUCTURE REPLACEMENT~~
	~~TOTAL 0020~~	~~20~~	
	PROJECT TOTALS =	50	

MANHOLE SUMMARY

CATEGORY	STATION	LOCATION	REMOVING MANHOLES 204.0210 EACH	MANHOLES 4-FT DIAMETER 611.2004 EACH	REMARKS
0020	109+40	CL	1	1	REPLACE SANITARY STRUCTURE AND CASTING
	PROJECT TOTALS =		1	1	

INLET SUMMARY

CATEGORY	STATION	LOCATION	REMOVING INLETS 204.0220 EACH	INLETS 4-FT DIAMETER 611.3004 EACH	REMARKS
0010	105+10	LT 22'	1	1	REPLACE STRUCTURE AND CASTING (NE 15TH ST)
	PROJECT TOTALS =		1	1	

Addendum No. 01
ID 5991-05-19
Revised Sheet 17
February 1, 2018

ADJUSTING MANHOLE COVERS

CATEGORY	STATION	611.8110 EACH	REMARKS
0010	108+97	1	WATER
0010	109+69	1	WATER
0010	117+63	1	WATER
0010	121+43	1	STORM
	PROJECT TOTAL	4	

ADJUSTING INLET COVERS

CATEGORY	STATION	LOCATION	611.8115 EACH	REMARKS
0010	100+54	24' RT	1	REPLACE ADJUSTING RINGS (SW 14TH ST)
0010	104+91	25' RT	1	SW 15TH ST
0010	105+29	22' RT	1	SE 15TH ST
0010	109+15	21' LT	1	REPLACE ADJUSTING RINGS (NW 16TH ST)
0010	109+15	21' RT	1	REPLACE ADJUSTING RINGS (SW 16TH ST)
0010	121+59	20' LT	1	NW 19TH ST
	PROJECT TOTALS =		6	

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COVER PLATES TEMPORARY

611.8120.S

CATEGORY	STATION	LOCATION	EACH	REMARKS
0010	100+54	24' RT	1	STORM INLET
0010	100+67	6' RT	1	STORM MANHOLE
0010	104+70	6' RT	1	STORM MANHOLE
0010	104+91	25' RT	1	STORM INLET
0010	105+18	6' RT	1	STORM MANHOLE
0010	105+29	22' RT	1	STORM INLET
0010	105+30	22' LT	1	STORM INLET
0010	108+97	1' LT	1	WATER MANHOLE
0010	109+15	21' RT	1	STORM INLET
0010	109+15	21' LT	1	STORM INLET
0010	109+69	13' LT	1	WATER MANHOLE
0010	109+31	6' RT	1	STORM MANHOLE
0010	117+63	9' LT	1	WATER MANHOLE
0010	121+43	7' RT	1	STORM MANHOLE
0010	121+59	21' LT	1	STORM INLET
		TOTAL 0010 =	15	
0020	100+75	0.5' LT	1	SANITARY MANHOLE
0020	105+10	CL	1	SANITARY MANHOLE
0020	109+38	CL	1	SANITARY MANHOLE
0020	117+90	CL	1	SANITARY MANHOLE
0020	121+10	1' RT	1	SANITARY MANHOLE
0020	121+80	CL	1	SANITARY MANHOLE
		TOTAL 0020 =	6	
		PROJECT TOTALS =	21	

INLET PROTECTION TYPE C

628.7015

CATEGORY	STATION	LOCATION	EACH	REMARKS
0010	100+54	22' LT	1	
0010	100+55	23' RT	1	
0010	100+95	21' RT	1	
0010	104+90	21' LT	1	
0010	104+91	22' RT	1	
0010	105+29	22' LT	1	
0010	105+30	21' RT	1	
0010	109+15	21' RT	1	
0010	109+16	20' LT	1	
0010	109+57	20' RT	1	
0010	109+59	20' LT	1	
0010	113+50	20' RT	1	
0010	113+53	20' LT	1	
0010	113+93	20' RT	1	
0010	113+95	21' LT	1	
0010	120+89	22' RT	1	
0010	121+59	20' LT	1	
		PROJECT TOTALS=	17	

MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 01. 5991-05-19

618.0100

CATEGORY	LOCATION	EACH	REMARKS
0020	PROJECT 5991-05-19	1	
	PROJECT TOTALS =	1	

EROSION CONTROL MOBILIZATIONS SUMMARY

CATEGORY	LOCATION	MOBILIZATIONS EROSION CONTROL 628.1905 EACH	MOBILIZATIONS EMERGENCY EROSION 628.1910 EACH	REMARKS
0010	PROJECT 5991-05-19	1	1	
	PROJECT TOTALS =	1	1	

TRAFFIC CONTROL

643.5000

LOCATION	EACH	REMARKS
PROJECT 5991-05-19	1	
PROJECT TOTALS =	1	

TRAFFIC CONTROL SUMMARY

CATEGORY	LOCATION	TRAFFIC CONTROL BARRICADES TYPE III 643.0420 EACH	TRAFFIC CONTROL BARRICADES TYPE III 643.0420 DAY	TRAFFIC CONTROL WARNING LIGHTS TYPE C 643.0715 EACH	TRAFFIC CONTROL WARNING LIGHTS TYPE C 643.0715 DAY	TRAFFIC CONTROL SIGNS 643.0900 EACH	TRAFFIC CONTROL SIGNS 643.0900 DAY	REMARKS
0010	MARKET ST WEST OF PROJECT	3	150	4	200	4	200	
0010	14TH ST NORTH OF PROJECT	3	150	4	200	3	150	
0010	14TH ST SOUTH OF PROJECT	3	150	4	200	3	150	
0010	15TH ST NORTH OF PROJECT	3	150	4	200	3	150	
0010	15TH ST SOUTH OF PROJECT	3	150	4	200	3	150	
0010	16TH ST NORTH OF PROJECT	3	150	4	200	3	150	
0010	16TH ST SOUTH OF PROJECT	3	150	4	200	3	150	
0010	17TH ST NORTH OF PROJECT	-	-	-	-	1	50	
0010	17TH ST AND MARKET INTERSECTION	6	300	8	400	2	100	
0010	17TH ST SOUTH OF PROJECT	-	-	-	-	1	50	
0010	EAST AVE NORTH OF PROJECT	3	150	4	200	3	150	
0010	EAST AVE SOUTH OF PROJECT	3	150	4	200	3	150	
0010	19TH ST NORTH OF PROJECT	3	150	4	200	3	150	
0010	19TH ST SOUTH OF PROJECT	3	150	4	200	3	150	
0010	MARKET ST EAST OF PROJECT	3	150	4	200	4	200	
0010	WEST AVE AND MARKET ST INTERSECTION	-	-	-	-	12	600	DETOUR SIGNS
0010	WEST AVE AND CASS ST INTERSECTION	-	-	-	-	8	400	DETOUR SIGNS
0010	CASS ST AND 17TH PL INTERSECTION	-	-	-	-	4	200	DETOUR SIGNS
0010	CASS ST AND LOSEY BLVD INTERSECTION	-	-	-	-	8	400	DETOUR SIGNS
0010	LOSEY BLVD AND MARKET ST INTERSECTION	-	-	-	-	6	300	DETOUR SIGNS
	PROJECT TOTALS =		2100		2800		4000	

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EXISTING SIGNING SUMMARY

CATEGORY	SIGN NUMBER	STATION	LOCATION	SIGN CODE	REMOVING SIGNS TYPE II 638.2602 EACH	REMOVING SMALL SIGN SUPPORTS 638.3000 EACH	REMARKS
0010	101	9+89 A	RT 21'	R1-1	1	1	
0010	102	10+61 A	LT 22'	R1-1	1	1	
0010	103	19+16 B	RT 21'	R1-1	1	1	
0010	104	19+92 B	LT 22'	R1-1	1	1	
0010	105	106+02	RT 21'	W3-1A	1	1	
0010	106			SPECIAL			2 HOUR PARKING 8 AM TO 6 PM EXCEPT SAT. SUN. & HOL. (WITH LEFT ARROW)
0010	107			SPECIAL			2 HOUR PARKING 8 AM TO 6 PM EXCEPT SAT. SUN. & HOL.
0010	108			SPECIAL			RIGHT ARROW PLAQUE
0010	109	108+98	RT 21'	R1-1	1	1	
0010	110	29+26 C	RT 21'	R1-1	1	1	
0010	111	29+97 C	LT 22'	R1-1	1	1	
0010	112	109+72	LT 21'	R1-1	1	1	
0010	113			SPECIAL			NO PARKING FROM CORNER TO HERE
0010	113			SPECIAL			NO PARKING FROM CORNER TO HERE
0010	114	111+84	LT 21'	W3-1A	1	1	
0010	115			SPECIAL			SCHOOL DISTRICT ADMINISTRATION (WITH RIGHT ARROW)
0010	116	49+64 F	RT 17'	R1-1	1	1	
0010	117	60+37 G	LT 21'	R1-1	1	1	
0010	118			SPECIAL			SCHOOL DISTRICT ADMINISTRATION (WITH RIGHT ARROW)
0010	119			SPECIAL			NO PARKING (SYMBOL) THIS SIDE OF STREET
0010	120	70+37 H	LT 22'	R1-1	1	1	
0010	121	79+65 J	RT 22'	R1-1	1	1	
					14	14	

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PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NUMBER	STATION	LOCATION	SIGN CODE	SIZE CODE	SIGN SIZE IN INCHES	SIGNS TYPE II REFLECTIVE H 637.2210 SF	SIGNS TYPE II REFLECTIVE F 637.2230 SF	POSTS STEEL U-CHANNEL 14-FT SPV.0060.04 SF	REMARKS
0010	1-1	9+89 A	RT 21'	R1-1	1	30X30	5.18	-	1	STOP
0010	1-2	10+61 A	LT 22'	R1-1	1	30X30	5.18	-	1	STOP
0010	2-1	19+16 B	RT 21'	R1-1	1	30X30	5.18	-	1	STOP
0010	2-2	19+92 B	LT 22'	R1-1	1	30X30	5.18	-	1	STOP
0010	2-3	106+02	RT 21'	W3-1	1	30X30	-	6.25	1	STOP AHEAD
0010	4-1	108+98	RT 21'	R1-1	1	30X30	5.18	-	1	STOP
0010	4-2	29+26 C	RT 21'	R1-1	1	30X30	5.18	-	1	STOP
0010	4-3	29+97 C	LT 22'	R1-1	1	30X30	5.18	-	1	STOP
0010	4-4	109+72	LT 21'	R1-1	1	30X30	5.18	-	1	STOP
0010	4-5	111+84	LT 21'	W3-1	1	30X30	-	6.25	1	STOP AHEAD
0010	7-1	49+64 F	RT 17'	R1-1	1	30X30	5.18	-	1	STOP
0010	7-2	60+37 G	LT 21'	R1-1	1	30X30	5.18	-	1	STOP
0010	8-1	70+37 H	LT 22'	R1-1	1	30X30	5.18	-	1	STOP
0010	8-2	79+65 J	RT 22'	R1-1	1	30X30	5.18	-	1	STOP
					PROJECT TOTALS =		62.16	12.50	14	

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PAVEMENT MARKING SUMMARY

CATEGORY	STATION	TO	STATION	LOCATION	MARKING LINE EPOXY 4-INCH 646.1020 LF	MARKING STOP LINE EPOXY 18-INCH 646.6120 LF	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH 646.7420 LF	REMARKS
0010	100+00	-	100+82	CL	25	-	-	
0010	101+49	-	105+17	CL	100	-	-	
0010	105+83	-	109+42	CL	100	-	-	
0010	110+08	-	113+57	CL	100	-	-	
0010	114+69	-	118+03	CL	88	-	-	
0010	118+10	-	121+82	CL	100	-	-	
0010	121+88	-	122+51	CL	25	-	-	
0010	100+82	-	100+88	LT & RT	-	-	66	
0010	9+92 A	-	9+98 A	LT & RT	-	-	66	14TH STREET
0010	10+51 A	-	10+57 A	LT & RT	-	-	66	14TH STREET
0010	101+43	-	101+49	LT & RT	-	-	66	
0010	105+17	-	105+23	LT & RT	-	-	63	
0010	19+21 B	-	19+27 B	LT & RT	-	-	66	15TH STREET
0010	19+82 B	-	19+86 B	LT & RT	-	-	66	15TH STREET
0010	105+77	-	105+83	LT & RT	-	-	65	
0010	109+42	-	109+48	LT & RT	-	-	66	
0010	29+29 C	-	29+35 C	LT & RT	-	-	67	16TH STREET
0010	29+87 C	-	29+93 C	LT & RT	-	-	69	16TH STREET
0010	110+02	-	110+06	LT & RT	-	-	67	
0010	118+03	-	118+09	LT & RT	-	-	75	
0010	49+67 F	-	49+73 F	LT & RT	-	-	48	EAST AVE
0010	60+27 G	-	60+33 G	LT & RT	-	-	69	EAST AVE
0010	70+28 H	-	70+34 H	LT & RT	-	-	67	19TH STREET
0010	121+82	-	121+87	LT & RT	-	-	70	
0010	79+67 J	-	79+73 J	LT & RT	-	-	68	19TH STREET
0010	9+88 A			RT	-	16	-	14TH STREET
0010	10+61 A			LT	-	16	-	14TH STREET
0010	19+17 B			RT	-	16	-	15TH STREET
0010	19+90 B			LT	-	16	-	15TH STREET
0010	109+38			RT	-	16	-	
0010	29+25C			RT	-	16	-	16TH STREET
0010	29+97C			LT	-	16	-	16TH STREET
0010	110+12			LT	-	16	-	
0010	49+63 G			RT	-	11	-	EAST AVE
0010	60+37 F			LT	-	16	-	EAST AVE
0010	70+38 H			LT	-	16	-	19TH STREET
0010	79+63 J			RT	-	16	-	19TH STREET
			PROJECT TOTALS =		538	187	1190	

MARKING SYMBOL EPOXY

CATEGORY	STATION	LOCATION	646.5220 EACH	REMARKS
0010	101+55	LT 5.4'	1	SHARED LANE MARKING
0010	101+55	RT 5.4'	1	SHARED LANE MARKING
0010	102+93	LT 5.4'	1	SHARED LANE MARKING
0010	102+93	RT 5.4'	1	SHARED LANE MARKING
0010	104+30	LT 5.4'	1	SHARED LANE MARKING
0010	104+30	RT 5.4'	1	SHARED LANE MARKING
0010	105+91	LT 5.4'	1	SHARED LANE MARKING
0010	105+91	RT 5.4'	1	SHARED LANE MARKING
0010	107+23	LT 5.4'	1	SHARED LANE MARKING
0010	107+23	RT 5.4'	1	SHARED LANE MARKING
0010	108+54	LT 5.4'	1	SHARED LANE MARKING
0010	108+54	RT 5.4'	1	SHARED LANE MARKING
0010	110+18	LT 5.4'	1	SHARED LANE MARKING
0010	110+18	RT 5.4'	1	SHARED LANE MARKING
0010	111+65	LT 5.4'	1	SHARED LANE MARKING
0010	111+65	RT 5.4'	1	SHARED LANE MARKING
0010	112+94	LT 5.4'	1	SHARED LANE MARKING
0010	112+94	RT 5.4'	1	SHARED LANE MARKING
0010	114+60	LT 5.4'	1	SHARED LANE MARKING
0010	114+60	RT 5.4'	1	SHARED LANE MARKING
0010	115+94	LT 5.4'	1	SHARED LANE MARKING
0010	115+94	RT 5.4'	1	SHARED LANE MARKING
0010	117+10	LT 5.4'	1	SHARED LANE MARKING
0010	117+10	RT 5.4'	1	SHARED LANE MARKING
0010	118+74	LT 5.4'	1	SHARED LANE MARKING
0010	118+74	RT 5.4'	1	SHARED LANE MARKING
0010	120+25	LT 5.4'	1	SHARED LANE MARKING
0010	120+25	RT 5.4'	1	SHARED LANE MARKING
		PROJECT TOTALS =	28	

3

3

CONSTRUCTION STAKING RESURFACING REFERENCE

CATEGORY	STATION	TO	STATION	LOCATION	650.8000 LF	REMARKS
0010	100+00	-	113+17	LT/RT	1317	MAINLINE
0010	114+28	-	122+11	LT/RT	783	MAINLINE
0010	9+90 A	-	10+08 A	LT/RT	18	14TH ST
0010	10+40 A	-	10+61 A	LT/RT	21	14th ST
0010	19+21 B	-	19+40 B	LT/RT	19	15TH ST
0010	19+71 B	-	20+00 B	LT/RT	29	15TH ST
0010	29+26 C	-	29+46 C	LT/RT	20	16TH ST
0010	29+77 C	-	30+00 C	LT/RT	23	16TH ST
0010	49+55 F	-	50+00 F	LT/RT	45	EAST AVE
0010	60+16 G	-	60+41 G	LT/RT	25	EAST AVE
0010	70+16 H	-	70+34 H	LT/RT	18	19TH ST
0010	79+65 J	-	79+84 J	LT/RT	19	19TH ST
				PROJECT TOTALS =	2337	

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 5991-05-19

LOCATION	650.9910 LF	REMARKS
PROJECT 5991-05-19	1	
PROJECT TOTALS =	1	

SAWING ASPHALT

CATEGORY	STATION	LOCATION	690.0150 LF	REMARKS
0010	100+00	LT/RT	31	MAINLINE
0010	9+90 A	LT/RT	31	14TH ST
0010	10+61 A	LT/RT	32	14TH ST
0010	19+27 B	LT/RT	32	15TH ST
0010	20+00 B	LT/RT	32	15TH ST
0010	29+26 C	LT/RT	32	16TH ST
0010	30+00 C	LT/RT	33	16TH ST
0010	113+17	LT/RT	32	MAINLINE
0010	114+28	LT/RT	31	MAINLINE
0010	49+62 F	LT/RT	22	EAST AVE
0010	60+41 G	LT/RT	32	EAST AVE
0010	70+34 H	LT/RT	33	19TH ST
0010	79+65 J	LT/RT	33	19th ST
0010	122+11	LT/RT	33	MAINLINE
		PROJECT TOTALS =	439	

SAWING CONCRETE

CATEGORY	STATION	LOCATION	690.0250 LF	REMARKS
0010	102+80	RT	2.5	MAINLINE
0010	103+05	RT	2.5	MAINLINE
0010	104+69	RT	2.5	MAINLINE
0010	20+00 B	RT	2.5	15TH ST
0010	19+94 B	LT	2.5	15TH ST
0010	105+41	RT	2.5	MAINLINE
0010	108+16	RT	2.5	MAINLINE
0010	108+66	RT	2.5	MAINLINE
0010	111+77	RT	2.5	MAINLINE
0010	112+17	RT	2.5	MAINLINE
0010	115+48	RT	2.5	MAINLINE
0010	115+58	RT	2.5	MAINLINE
0010	117+50	LT	2.5	MAINLINE
0010	117+60	RT	2.5	MAINLINE
0010	49+63 F	RT	2.5	EAST AVE
0010	49+55 F	LT	2.5	EAST AVE
0010	60+38 G	RT	2.5	EAST AVE
0010	60+29 G	LT	2.5	EAST AVE
0010	118+19	LT	2.5	MAINLINE
0010	118+31	RT	2.5	MAINLINE
0010	121+37	LT	2.5	MAINLINE
0010	79+69 J	RT	2.5	19TH ST
		PROJECT TOTALS =	55	

ADJUSTING WATER VALVES

CATEGORY	STATION	LOCATION	SPV.0060.01 EACH	REMARKS
0020	100+85	LT	1	
0020	101+10	LT	1	
0020	105+25	LT	1	
0020	118+00	LT	1	
	PROJECT TOTALS =		4	

MANHOLE COVERS SPECIAL

CATEGORY	STATION	SPV.0060.02 EACH	REMARKS
0010	100+67	1	REPLACE STORM CASTING
0010	104+70	1	REPLACE STORM CASTING
0010	105+18	1	REPLACE STORM CASTING AND TOP 1' OF STRUCTURE
0010	109+31	1	REPLACE STORM CASTING AND TOP 1' OF STRUCTURE
	TOTAL 0010 =	4	
0020	100+75	1	REPLACE SANITARY CASTING
0020	105+10	1	REPLACE SANITARY CASTING
0020	109+38	1	REPLACE SANITARY STRUCTURE AND CASTING
0020	117+90	1	REPLACE SANITARY CASTING AND 2FT OF ADJUSTING RINGS
0020	121+10	1	REPLACE SANITARY CASTING AND 2FT OF ADJUSTING RINGS
0020	121+80	1	REPLACE SANITARY CASTING AND 2FT OF ADJUSTING RINGS
	TOTAL 0020 =	6	
	PROJECT TOTALS =	10	

Sheet replaced with 23A

INLET COVERS SPECIAL

CATEGORY	STATION	LOCATION	SPV.0060.03 EACH	REMARKS
0010	105+30	LT 22'	1	REPLACE STRUCTURE AND CASTING (NE 15TH ST)
	PROJECT TOTALS =		1	

REMOVING MATERIAL FOR HMA REPAIR

CATEGORY	LOCATION	SPV.0180.01 SY	REMARKS
0010	UNDISTRIBUTED	90	
	PROJECT TOTALS =	90	

ADJUSTING WATER VALVES

CATEGORY	STATION	LOCATION	SPV.0060.01 EACH	REMARKS
0020	100+85	LT	1	
0020	101+10	LT	1	
0020	105+25	LT	1	
0020	118+00	LT	1	
	PROJECT TOTALS =		4	

MANHOLE COVERS SPECIAL

CATEGORY	STATION	SPV.0050.02 EACH	REMARKS
0010	100+67	1	REPLACE STORM CASTING
0010	104+70	1	REPLACE STORM CASTING
0010	105+18	1	REPLACE STORM CASTING AND TOP 1' OF STRUCTURE
0010	109+31	1	REPLACE STORM CASTING AND TOP 1' OF STRUCTURE
	TOTAL 0010 =	4	
0020	100+75	1	REPLACE SANITARY CASTING
0020	105+10	1	REPLACE SANITARY CASTING
0020	109+38	1	REPLACE SANITARY ~~STRUCTURE AND~~ CASTING
0020	117+90	1	REPLACE SANITARY CASTING AND 2FT OF ADJUSTING RINGS
0020	121+10	1	REPLACE SANITARY CASTING AND 2FT OF ADJUSTING RINGS
0020	121+80	1	REPLACE SANITARY CASTING AND 2FT OF ADJUSTING RINGS
	TOTAL 0020 =	6	
	PROJECT TOTALS =	10	

INLET COVERS SPECIAL

CATEGORY	STATION	LOCATION	SPV.0060.03 EACH	REMARKS
0010	105+30	LT 22'	1	REPLACE STRUCTURE AND CASTING (NE 15TH ST)
	PROJECT TOTALS =		1	

REMOVING MATERIAL FOR HMA REPAIR

CATEGORY	LOCATION	SPV.0180.01 SY	REMARKS
0010	UNDISTRIBUTED	90	
	PROJECT TOTALS =	90	

Addendum No. 01
ID 5991-05-19
Revised Sheet 23
February 1, 2018

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	MISCELLANEOUS QUANTITIES	SHEET 23 A	E

FILE NAME : W:\59910518\C3D\SHEETSPLAN\030201_MQ.DWG
LAYOUT NAME - 08-mq
PLOT DATE : 1/29/2018 11:37 AM PLOT BY : CORONA WOYCHIK PLOT NAME :

WISDOT/CADDS SHEET 42

MATCH EXISTING SAWCUT REQ'D

14TH ST "A"

PI: 9+90.10

31.2'

R17'

R/W

STA 100+74.07 MARKET ST =
STA 10+24.07A 14TH ST

1403 MARKET ST
KIRSTIN M. LONG
DUSTIN G. LOVELL

1409 & 1411 MARKET ST
COLE INVESTMENT PROPERTIES OF WISCONSIN LLC

R/W

1415 MARKET ST
DAVID J. KRAMER
KELLY M. KRAMER

N

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

10A

S1° 09' 12"W

15.5'

15.5'

ADJUSTING
WATER VALVES

16.3'

16.3'

33.00'

ADJUSTING
WATER VALVES

S89° 03' 26"E

S88° 15' 53"E

101+00

102+00

MARKET STREET

PI: 100+40.00

PI: 101+05.53

ADJUSTING
INLETS

R17'

R17'

R17'

33.00'

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

MANHOLE COVERS SPECIAL

5

5

PI: 10+61.29

32.1'

CONCRETE CURB
& GUTTER
30-INCH TYPE D

MATCH EXISTING
SAWCUT REQ'D

1404 MARKET ST
TODD W. OSMUNDSON

R/W

1408 & 1410 MARKET ST
DAVID R. MORRISON

1412 & 1414 MARKET ST
TAMMY MRUZ
TAMARA L. WEINBERGER

1416 MARKET ST
SUSAN E. MURRAY

LEGEND

INLET PROTECTION TYPE C

BEGIN PROJECT 5991-05-19
STA 100+00.00
Y = 660160.624
X = 1642155.342
MATCHING EXISTING
SAWCUT REQ'D

680
675
670
665

672.00 672.00 672.00 672.00 672.00 672.00 671.91 671.80 671.70 671.66 671.52 671.34 671.15

99+50 100+00 100+50 101+00 101+50 102+00 102+50

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	PLAN	SHEET 24	E

FILE NAME : W:\59910518\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 01-PP

PLOT DATE : 7/14/2017 9:52 PM PLOT BY : CORONA WOYCHIK PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44

Sheet replaced with 25A

1415 MARKET ST
DAVID J. KRAMER
KELLY M. KRAMER

R/W

1421 & 1425 MARKET ST
SHASTA PROPERTIES LTD.

1427 & 1429 MARKET ST
JOSHUA L. NEUMANN
LYNDSEY K. NEUMANN

1435 & 1437 MARKET ST
TERRY L FISHER
TERESA S. FISHER

R/W

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

33.00'
15.9'
16.4'
33.00'

103+00 S89° 05' 29"E 104+00

MARKET STREET

CONCRETE CURB & GUTTER
30-INCH TYPE D

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

& 1414 MARKET ST

1416 MARKET ST
SUSAN E. MURRAY

1420 MARKET ST
PATTY J. HOFFSOMMER

R/W

1426 MARKET ST
MATTHEW G. OWENS

1430 MARKET ST
RHONDA K. STAATS

1436 MARKET ST
JACQUELINE S. FINNEY

LEGEND

INLET PROTECTION TYPE C

S8° 02' 41"E

PI: 19+21.19

MATCH EXISTING
SAWCUT REQ'D

32.0'

PI: 19+23.61

R17'

STA 105+09.89 MARKET ST =
STA 19+55.45B 15TH ST

REMOVING
INLETS

INLETS 4-FT
DIAMETER,
SPECIAL

15TH ST "B"

ADJUSTING
WATER VALVES

PI: 105+09.89

15.2'
15.5'

105+00

MANHOLE COVERS SPECIAL

CONCRETE CURB & GUTTER
30-INCH TYPE D

MANHOLE COVERS SPECIAL

ADJUSTING INLET COVERS

CONCRETE CURB & GUTTER
30-INCH TYPE D

ADJUSTING
INLET COVERS

S8° 41' 47"W

PI: 20+00.00

31.7'

MATCH EXISTING
SAWCUT REQ'D

N

680
675
670
665

671.15 670.97 670.78 670.59 670.40 670.19 670.00 670.00 670.00 670.00 670.00 670.00 670.00

102+50 103+00 103+50 104+00 104+50 105+00 105+50

5 5

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	PLAN	SHEET 25	E

FILE NAME : W:\59910518\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 02-PP

PLOT DATE : 7/14/2017 9:52 PM PLOT BY : CORONA WOYCHIK PLOT NAME : PLOT SCALE : 1 IN:20 FT

1415 MARKET ST
DAVID J. KRAMER
KELLY M. KRAMER

R/W

1421 & 1425 MARKET ST
SHASTA PROPERTIES LTD.

1427 & 1429 MARKET ST
JOSHUA L. NEUMANN
LYNDSEY K. NEUMANN

1435 & 1437 MARKET ST
TERRY L FISHER
TERESA S. FISHER

R/W

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

Adjusting Inlet Covers

STA 105+09.89 MARKET ST =
STA 19+55.45B 15TH ST

S8° 02' 41"E

PI: 19+21.19

MATCH EXISTING
SAWCUT REQ'D

32.0'

PI: 19+23.61

R17'

REMOVING
~~INLETS~~

~~INLETS 4 FT
DIAMETER,
SPECIAL~~

15TH ST "B"

ADJUSTING
WATER VALVES

33.00'

15.9'

103+00 S89° 05' 29"E

104+00

MARKET STREET

105+00

PI: 105+09.89

MANHOLE COVERS SPECIAL

15.2'

16.4'

CONCRETE CURB & GUTTER
30-INCH TYPE D

CONCRETE CURB & GUTTER
30-INCH TYPE D

~~CONCRETE CURB & GUTTER
30-INCH TYPE D~~

~~ADJUSTING
INLET COVERS~~

15.5'

MANHOLE COVERS SPECIAL

~~ADJUSTING INLET COVERS~~

S1° 41' 47"W

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

& 1414 MARKET ST

1416 MARKET ST
SUSAN E. MURRAY

1420 MARKET ST
PATTY J. HOFFSOMMER

R/W

1426 MARKET ST
MATTHEW G. OWENS

1430 MARKET ST
RHONDA K. STAATS

1436 MARKET ST
JACQUELINE S. FINNEY

PI: 20+00.00

MATCH EXISTING
SAWCUT REQ'D

31.7'

LEGEND

INLET PROTECTION TYPE C

680
675
670
665

671.15 670.97 670.78 670.59 670.40 670.19 670.00 670.00 670.00 670.00 670.00 670.00 670.00

102+50 103+00 103+50 104+00 104+50 105+00 105+50

Addendum No. 01
ID 5991-05-19
Revised Sheet 25
February 1, 2018

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	PLAN	SHEET 25 A	E

FILE NAME : W:\59910518\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 02-PP

PLOT DATE : 1/29/2018 12:00 PM PLOT BY : CORONA WOYCHIK PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44

1503 MARKET ST
JUDITH A. WALKER-JENSEN

R/W

1505 MARKET ST
JEREMY F. RILEY
BROOKE E. RILEY

1513 MARKET ST
ARTHUR J. MELBY
DIANE L. MELBY

1519 MARKET ST
MATTHEW S. BIRNBAUM

1521 & 1523 MARKET ST
MARY GANDER

R/W

N

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

33.00'

15.8'

106+00

107+00 S88° 59' 55"E

108+00

MARKET STREET

15.8'

33.00'

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

ABANDONED ENTRANCE

CONCRETE CURB & GUTTER
30-INCH TYPE D

5

R/W

703, 705, & 707 15TH ST
1502 MARKET ST
TERRY L. FISHER
TERESA S. FISHER

1508, 1510, & 1512 MARKET ST
SDA MARKET ST PROPERTY LLC

1514 & 1516 MARKET ST
JME PRODUCTS LLC

1518 & 1520 MARKET ST
NICHOLAS W. KRAUSE

R/W

1524 & 1526 MARKET ST
ZANTER JOINT REVOCABLE TRUST

1528 MARKET ST
JOHN SMALLEY
RANA SMALLEY

5

LEGEND

INLET PROTECTION TYPE C

680
675
670
665

670.00 670.00 670.00 670.30 670.93 672.00 672.00 672.00 672.00 672.00 672.00 672.00 672.00

105+50 106+00 106+50 107+00 107+50 108+00 108+50

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	PLAN	SHEET	E

FILE NAME : W:\59910518\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 03-PP

PLOT DATE : 7/14/2017 9:53 PM PLOT BY : CORONA WOYCHIK PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44

Sheet replaced with 27A

ADJUSTING INLET COVERS
CONCRETE CURB & GUTTER 30-INCH TYPE D
ADJUSTING MANHOLE COVERS
MATCH EXISTING SAWCUT REQ'D
PI: 29+26.10
624 16TH ST
JOSHUA L. NEUMANN
LYNDSEY K. NEUMANN
R/W
31.9'
R17'
16TH ST "C"
S2° 13' 25"W
STA 109+36.07 MARKET ST =
STA 29+61.43C 16TH ST
REMOVING MANHOLES
1601 MARKET ST
BILLIE JO STEVENS
CRAIG W. STEVENS
1605, 1607, & 1609 MARKET ST
MATTHEW R. QUICK
CARRIE A. QUICK
1613 MARKET ST
DENNIS J. SLAGLE
R/W
ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS TO BE REPLACED BY OTHERS
N
15.7'
15.8'
33.00'
109+00
110+00
111+00
S88° 5
PI: 109+36.07
MANHOLES 4-FT DIAMETER, SPECIAL
MARKET STREET
15.9'
15.5'
MANHOLE COVERS SPECIAL
7' CONCRETE PE
CONCRETE CURB & GUTTER 30-INCH TYPE D
ADJUSTING INLET COVERS
ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS TO BE REPLACED BY OTHERS
5
T ST
LEY
LEY
R/W
1532 MARKET ST
JEFFREY J. JOHNSON
MATCH EXISTING SAWCUT REQ'D
PI: 30+00.00
32.8'
1602 MARKET ST
WARM & COZY LLC
1606 & 1608 MARKET ST
POPPS PROPERTIES LLC
1610 MARKET ST
DONNA M. BLANK
THOMAS R. BLANK
DIANE M. THEODORSKI
R/W
LEGEND
INLET PROTECTION TYPE C
5

680
675
670
665
672.00
108+50
109+00
109+50
110+00
110+50
111+00
111+50

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	PLAN	SHEET 27 E

FILE NAME : W:\59910518\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 04-PP
PLOT DATE : 7/14/2017 9:53 PM PLOT BY : CORONA WOYCHIK PLOT NAME : PLOT SCALE : **********

ADJUSTING INLET COVERS
CONCRETE CURB & GUTTER 30-INCH TYPE D
ADJUSTING MANHOLE COVERS
MATCH EXISTING SAWCUT REQ'D
PI: 29+26.10
624 16TH ST
JOSHUA L. NEUMANN
LYNDSEY K. NEUMANN
R/W
1601 MARKET ST
BILLIE JO STEVENS
CRAIG W. STEVENS
1605, 1607, & 1609 MARKET ST
MATTHEW R. QUICK
CARRIE A. QUICK
1613 MARKET ST
DENNIS J. SLAGLE
R/W
N
R17'
31.9'
STA 109+36.07 MARKET ST =
STA 29+61.43C 16TH ST
ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS TO BE REPLACED BY OTHERS
S2° 13' 25"W
16TH ST "C"
15.7'
15.8'
33.00'
109+00
PI: 109+36.07
REMOVING MANHOLES
Concrete Curb & Gutter 30-Inch Type D
110+00
111+00
S88° 5
MARKET STREET
MANHOLES 4-FT DIAMETER, SPECIAL
MANHOLE COVERS SPECIAL
15.9'
15.5'
MANHOLE COVERS SPECIAL
7" CONCRETE PE
CONCRETE CURB & GUTTER 30-INCH TYPE D
ADJUSTING INLET COVERS
ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS TO BE REPLACED BY OTHERS
5
T ST
LEY
LEY
R/W
1532 MARKET ST
JEFFREY J. JOHNSON
MATCH EXISTING SAWCUT REQ'D
PI: 30+00.00
32.8'
1602 MARKET ST
WARM & COZY LLC
1606 & 1608 MARKET ST
POPPS PROPERTIES LLC
1610 MARKET ST
DONNA M. BLANK
THOMAS R. BLANK
DIANE M. THEODORSKI
R/W
5
LEGEND
INLET PROTECTION TYPE C

Addendum No. 01
ID 5991-05-19
Revised Sheet 27
February 1, 2018

680
675
670
665
672.00
108+50
109+00
109+50
110+00
110+50
111+00
111+50

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	PLAN	SHEET 27 A	E

FILE NAME : W:\59910518\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 04-PP
PLOT DATE : 1/29/2018 12:00 PM PLOT BY : CORONA WOYCHIK PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 44

1619 MARKET ST
GREGORY JUAN

1625 MARKET ST
MARY M. LEHRMAN

R/W

1631 MARKET ST
NICHOLAS L. HAEFS

1637 MARKET ST
LISA M. ULIK

30.9'

R/W

1701 MARKET ST
KRISTOPHER D. SHEVELSON

N

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

17TH ST "D"

33'

15.8'

STA 113+72.57 MARKET ST =
STA 39+63.63D 17TH ST

NET EXCEPTION TO CENTERLINE LENGTH
113+17.16

NET EXCEPTION TO CENTERLINE LENGTH
114+28.50

15.4'

S88° 57' 08"E

112+00

113+00

MARKET STREET

114+00

15.9'

MATCH EXISTING
SAWCUT REQ'D

PI: 113+72.57

MATCH EXISTING
SAWCUT REQ'D

15.3'

33'

CONCRETE CURB & GUTTER
30-INCH TYPE D

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

AREA TO BE IMPROVED BY OTHERS
PRIOR TO CONSTRUCTION

5

5

1618 & 1620 MARKET ST
TIMOTHY S. DENGENHARDT
EDITH S. DENGENHARDT

1622 & 1624 MARKET ST
CASS H. SCHRABECK
PEGGY A. SCHRABECK

1626 & 1628 MARKET ST
SWEENEY PROPERTIES LLC

R/W

1632 MARKET ST
CITY OF LA CROSSE

400

32.5'

R/W

1700 & 1702 MARKET ST
MALON P. EARLEY
CAROL J. EARLEY

LEGEND

INLET PROTECTION TYPE C

680

675

670

665

672.00

111+50

112+00

112+50

113+00

113+50

114+00

114+50

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	PLAN	SHEET 28	E

KET ST
. SHEVELSON

1705 & 1707 MARKET ST
RONALD FORTNEY
MARC FORTNEY
ERIC FORTNEY
FORTNEY, FORTNEY, & FORTNEY

R/W

1713 MARKET ST
RICHARD G. KRAMER
DEBRA J. HUTZENBUEHLER

1719 MARKET ST
RICHARD J. HOBELSBERGER
BETTY J. HOBELSBERGER

1723 MARKET ST
KATHLEEN D. GORDON

1725 & 1727 MARKET ST
ALBERTSONS LLC

R/W

1729 MARKET ST
JEREMY GROVE
STEPHANIE D. BAKA

N

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

15.9'

33'

115+00

116+00

S88° 52' 57"E

117+00

MARKET STREET

16.0'

33'

CONCRETE CURB & GUTTER
30-INCH TYPE D

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

5

MARKET ST
EARLEY
EARLEY

1708 MARKET ST
ANDREW L. GOEHNER

1710 & 1712 MARKET ST
JEFFREY D. AUGUSTINE

1714 MARKET ST
LA CROSSE RENTALS LLC

1718 MARKET ST
ELMER R. MICKELSON
DELORES M. MICKELSON

R/W

1722 & 1724 MARKET ST
SHEPPARD INVESTMENTS LLC

1728 MARKET ST
NANCY MAE SARGENT

1732 MARKET ST
702 EAST AVE S
R & E BRUDOS TRUST

5

LEGEND

INLET PROTECTION TYPE C

680
675
670
665

672.00 672.00 672.00 672.00 671.70 671.77 671.71 671.70 671.73 671.74 671.64 671.65 671.89

114+50 115+00 115+50 116+00 116+50 117+00 117+50

PROJECT NO:5991-05-19	HWY:MARKET STREET	COUNTY:LA CROSSE	PLAN	SHEET 29	E

FILE NAME : W:\59910518\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 06-PP

PLOT DATE : 7/14/2017 9:53 PM PLOT BY : CORONA WOYCHIK PLOT NAME : PLOT SCALE : **********

PI: 49+55.30

MATCH EXISTING SAWCUT REQ'D

22.0'

MANHOLE COVERS SPECIAL

625 EAST AVE S
NANCY K. HAMMEL

R/W

1803 MARKET ST
KRISTA L. SHULKA

1807 MARKET ST
RICHARD A. WILSON
KATHLEEN M. WILSON

1811 MARKET ST
PAMELA M. KOPSKI

R/W

1817 MARKET ST
ANTHONY
BETH L.

N

STA 117+88.86 MARKET ST =
STA 50+00.00E EAST AVE

R17'

EAST AVE "F"
S39° 46' 08"W

STA 117+95.81 MARKET ST =
STA 60+00.00E EAST AVE

R17'

GUY WIRE TO BE RELOCATED
PRIOR TO CONSTRUCTION

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

16.0'

ADJUSTING
WATER
VALVES

15.8'

33'

118+00

119+00

N89° 51' 53"E

120+00

MARKET STREET

PI: 117+60.44

16.1'

15.9'

EAST AVE "G"
S3° 50' 17"W

CONCRETE CURB
& GUTTER
30-INCH TYPE D

R17'

MATCH EXISTING
SAWCUT REQ'D

CONCRETE CURB & GUTTER
30-INCH TYPE D

R17'

33'

5

5

ET ST
AVE S
S TRUST

R/W

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

1739 WINNEBAGO ST
803 & 807 EAST AVE S
SCHOOL DISTRICT OF LA CROSSE

R/W

LEGEND

INLET PROTECTION TYPE C

31.6'

PI: 60+41.22

680

675

670

665

671.89 671.92 671.95 671.98 671.98 671.99 671.99 671.99 671.99 671.98 671.99 671.99 671.99

117+50 118+00 118+50 119+00 119+50 120+00 120+50

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	PLAN	SHEET 30	E

FILE NAME : W:\59910518\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 07-PP

PLOT DATE : 11/30/2017 2:02 PM PLOT BY : CORONA WOYCHIK PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44

1811 MARKET ST
PAMELA M. KOPSKI

R/W

1817 MARKET ST
ANTHONY O.
BETH L. DIX

1819 MARKET ST
MARY A. HURLEY
BRANT A. MAYER

528 19TH ST S
JENNIFER E. FREDRICKSON

CONCRETE CURB & GUTTER
30-INCH TYPE D

PI: 79+65.03

MATCH EXISTING
SAWCUT REQ'D

32.8'

R17'

R17'

R/W

N

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

19TH ST "J"

S49° 10' 33"W

ADJUSTING INLET COVERS

33'

16.0'

STA 121+08.14 MARKET ST =
STA 70+00.00F 19TH ST

16.0'

16.3'

120+00

121+00

122+00

PI: 122+10.95

MARKET STREET

MANHOLE COVERS SPECIAL

ADJUSTING MANHOLE COVERS

15.8'

16.3'

STA 121+76.90 MARKET ST
= STA 80+00.00F 19TH ST

16.2'

END PROJECT 5991-05-19
STA = 122+10.95
Y = 660129.641
X = 1644365.994
MATCH EXISTING
SAWCUT REQ'D

33'

MATCH EXISTING
SAWCUT REQ'D

R17'

S0° 00' 00"E

R17'

R/W

ANY AND ALL NONCOMPLIANT SIDEWALK AND CURB RAMPS
TO BE REPLACED BY OTHERS

PI: 70+33.95

32.6'

19TH ST "H"

1900, 1902, & 1904 MARKET ST
K & R HERMAN HOUSING LLC

1906 MARKET ST
KEVIN C. SCHLEICHER

R/W

LEGEND

INLET PROTECTION TYPE C

5

5

680

675

670

665

671.99 671.99 672.00 672.00 672.00 672.00 672.00 671.99 671.99 672.00 672.00 672.00 672.00

120+50 121+00 121+50 122+00 122+50 123+00 123+50

PROJECT NO: 5991-05-19	HWY: MARKET STREET	COUNTY: LA CROSSE	PLAN	SHEET 31	E

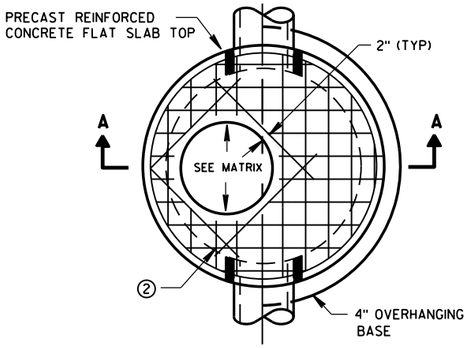
FILE NAME : W:\59910518\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 08-PP

PLOT DATE : 7/14/2017 9:53 PM PLOT BY : CORONA WOYCHIK PLOT NAME : PLOT SCALE : **********

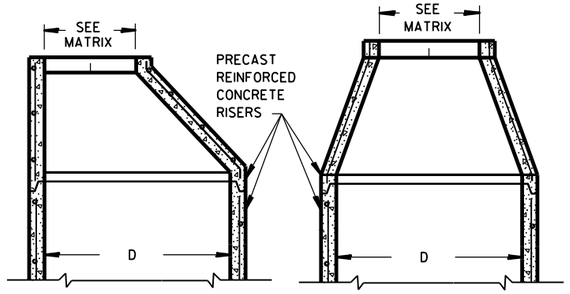
WISDOT/CADDS SHEET 44

Standard Detail Drawing List

08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D19-01	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-13E	PAVEMENT MARKING FOR BIKE LANES
15C08-17A	LONGITUDINAL MARKING (MAINLINE)
15C29-05B	PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D38-01A	TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS
15D38-01B	ATTACHMENT OF SIGNS TO POSTS

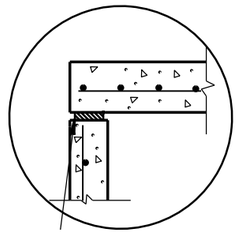


PLAN VIEW CIRCULAR OPENING

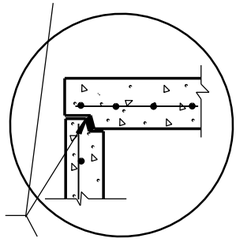


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

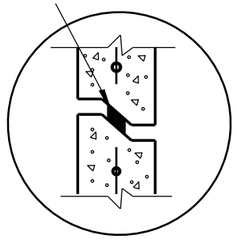


TOP WITH PLAIN END JOINT



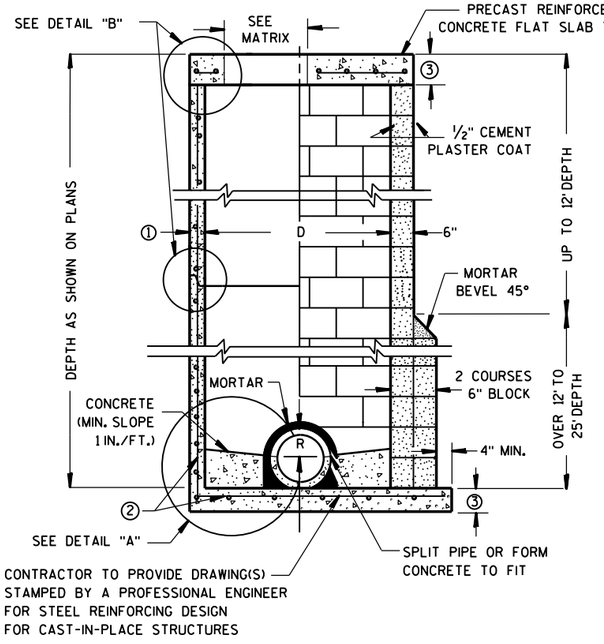
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



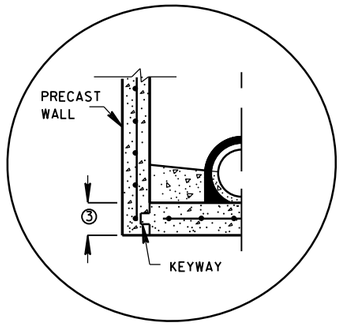
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

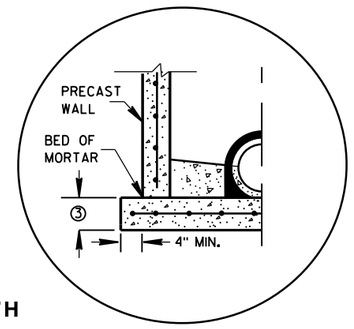


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

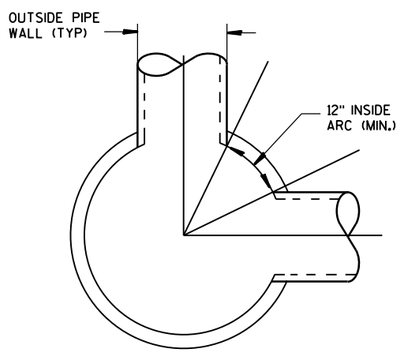


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

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

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

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

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

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

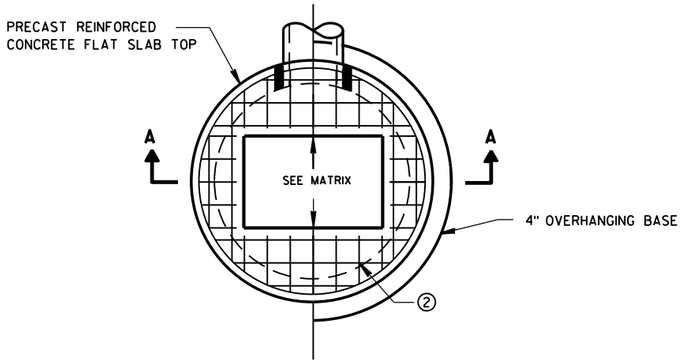
APPROVED

Sept., 2016
DATE

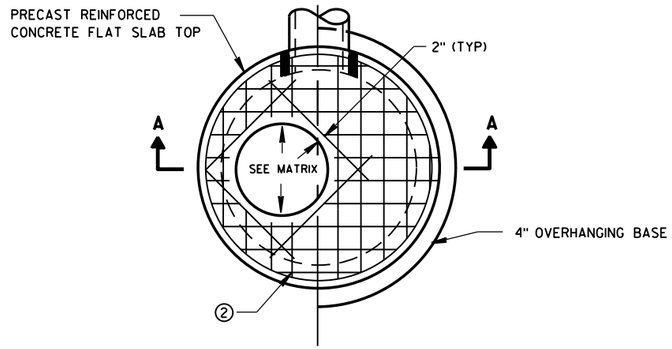
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

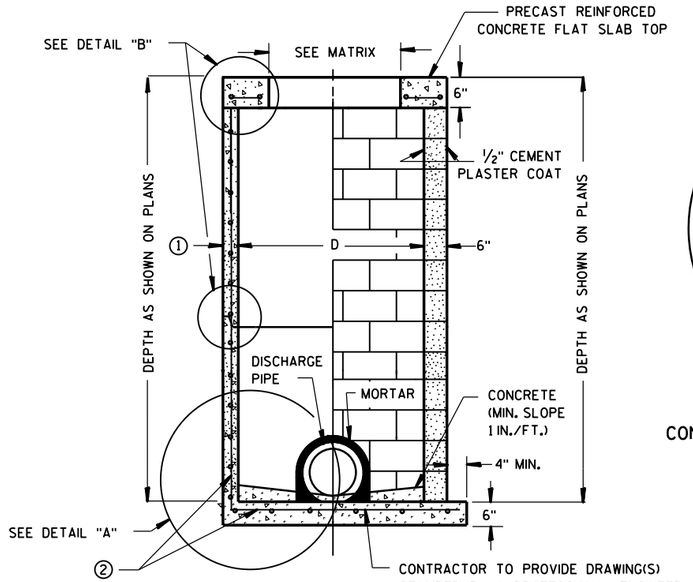
S.D.D. 8 B 9-2



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

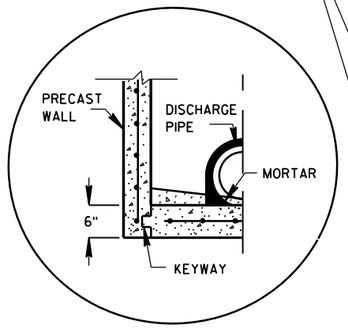


SECTION A-A

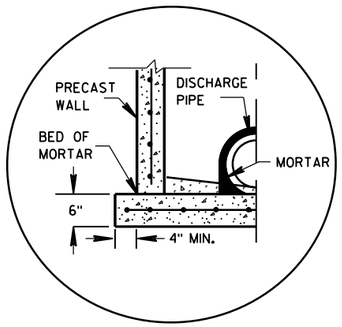
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

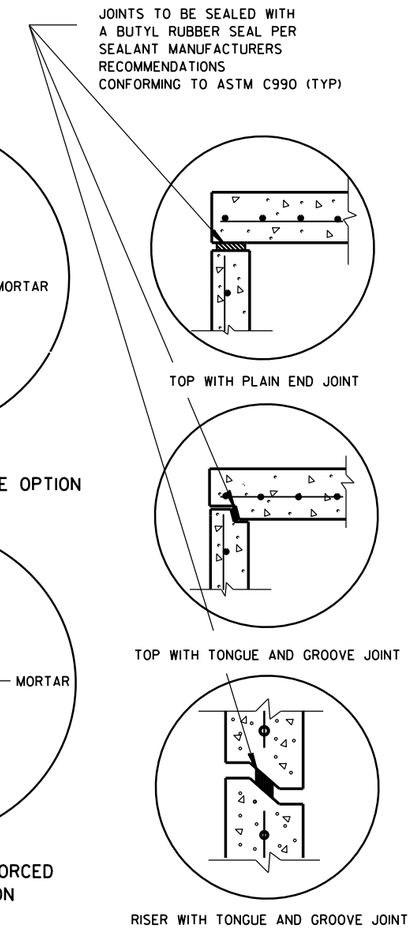


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



TOP WITH PLAIN END JOINT

TOP WITH TONGUE AND GROOVE JOINT

RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

GENERAL NOTES

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

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

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

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

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

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

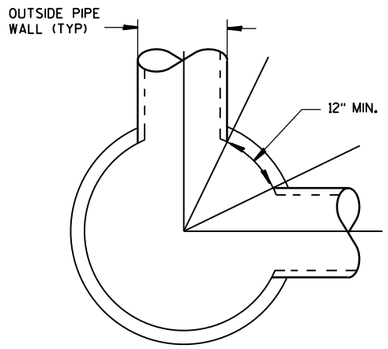
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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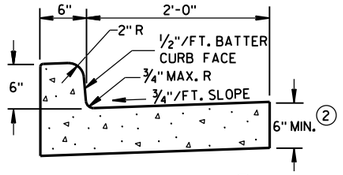
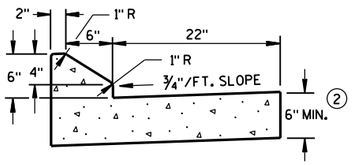
INLETS 3-FT AND 4-FT DIAMETER

6

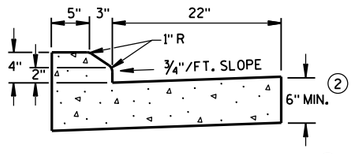
S.D.D. 8 C 6-2



TYPES A & D ①

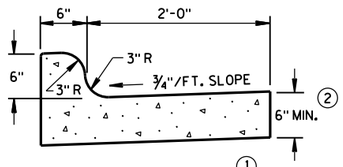


6" SLOPED CURB TYPES G & J ①

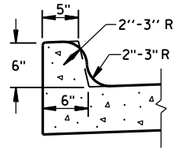


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

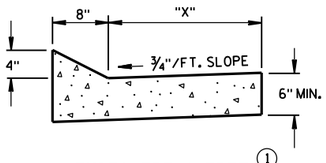


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

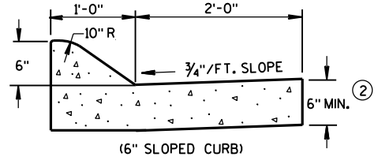
CONCRETE CURB & GUTTER 30"



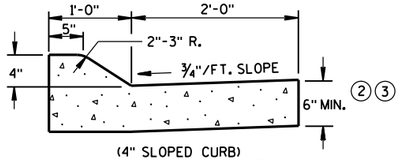
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

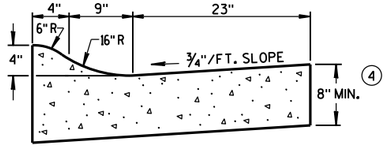


(6" SLOPED CURB)



(4" SLOPED CURB)

TYPES A & D ①



4" SLOPED CURB TYPES R & T ①⑤

CONCRETE CURB & GUTTER 36"

GENERAL NOTES

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

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

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

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

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

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

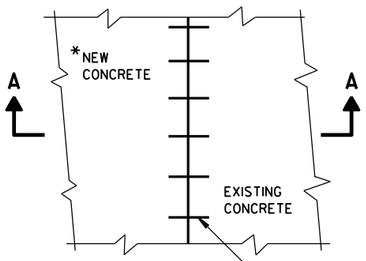
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

③ USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

④ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

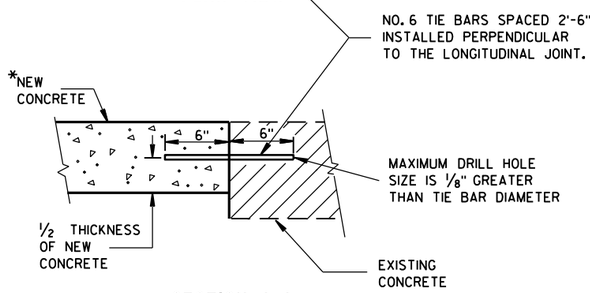
⑤ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

⑥ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



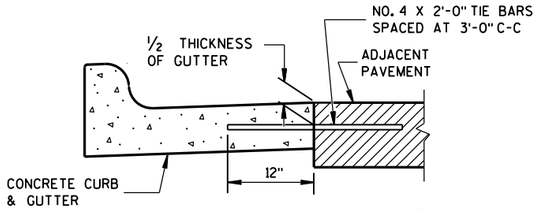
PLAN VIEW

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

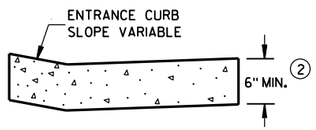


SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT

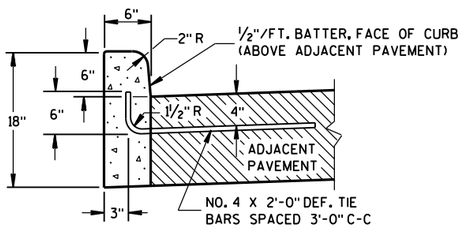


TYPICAL TIE BAR LOCATION ①

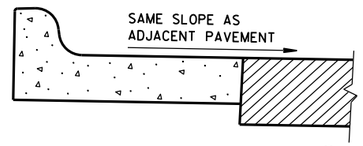


DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)

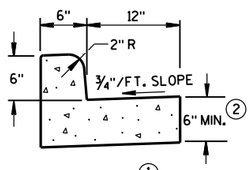


① TYPES A & D



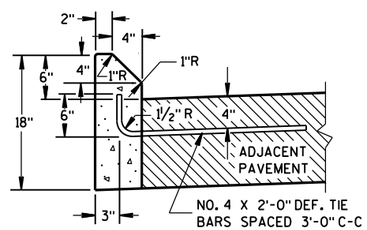
⑥ REVERSE SLOPE GUTTER

(TYPICAL FOR ALL CURB & GUTTER TYPES)



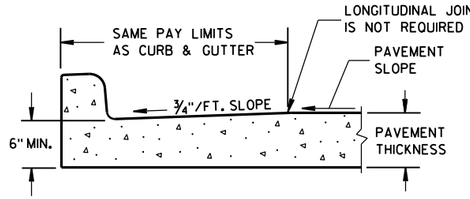
① TYPES A & D

CONCRETE CURB & GUTTER 18"

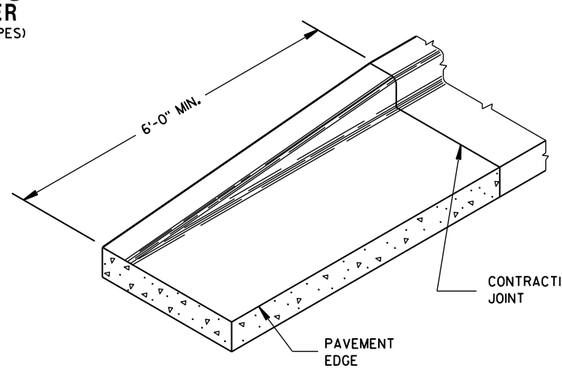


① TYPES G & J

CONCRETE CURB



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June, 2016 — DATE

/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

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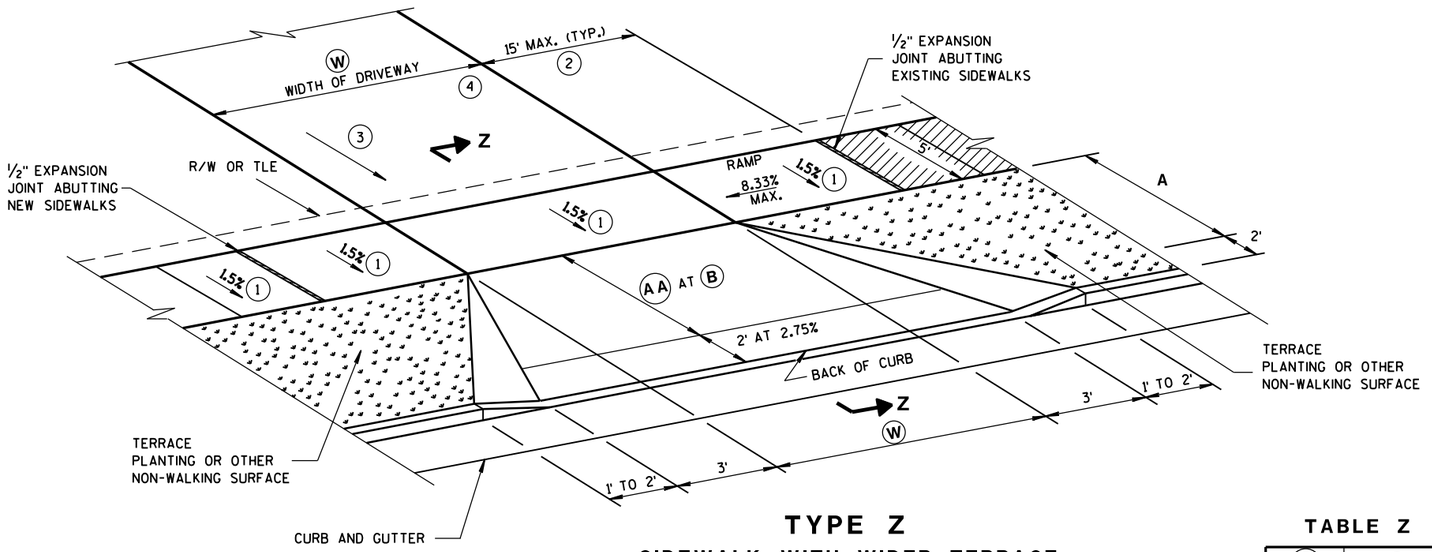


TYPE Z

SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 7 TO 12 FEET

TABLE Z

(AA) FEET	(B) %
4.5'	11.5%
5.5'	9-11.5%
6.5'	8-11.5%
7.5'	7-11.5%
8.5'	6-11.5%
9.5'	5-11.5%

GENERAL NOTES

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

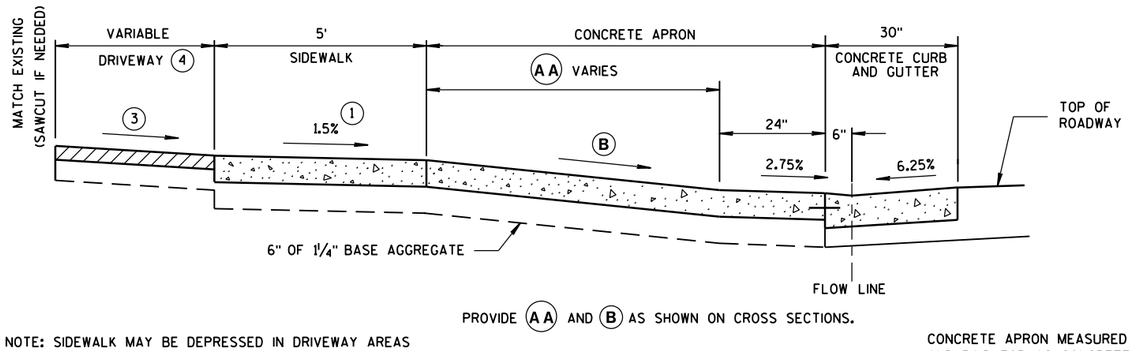
(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)

(5) PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(6) (W) IS SHOWN ON PLAN AND PROFILE SHEETS.

(7) OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS FOR **B** VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY, 6-INCH.

SEPARATE PAYMENT FOR BASE AGGREGATE WILL BE MADE.

CONCRETE APRON MEASURED AND PAID FOR AS CONCRETE DRIVEWAY, 6-INCH

SECTION Z-Z

DRIVEWAY DETAIL WITH CONCRETE CURB & GUTTER

(URBAN AND SUBURBAN)

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December, 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS UNIT SUPERV

FHWA — ENT

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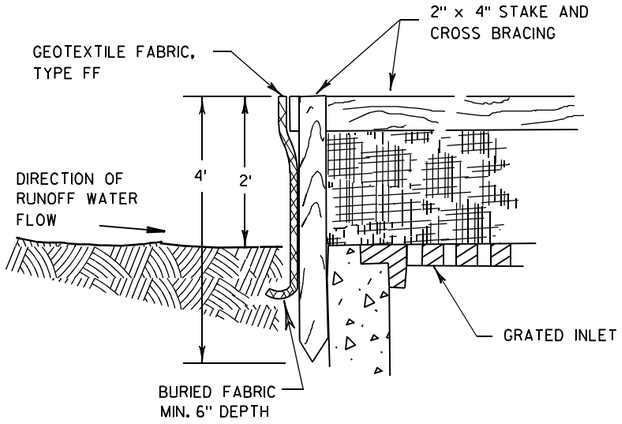
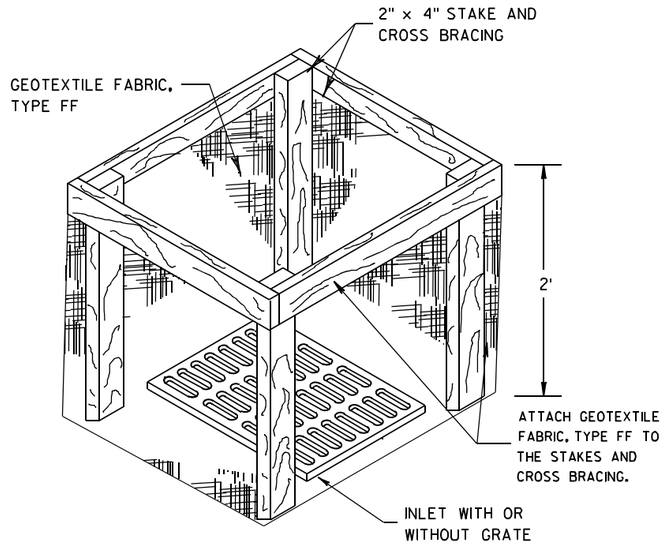
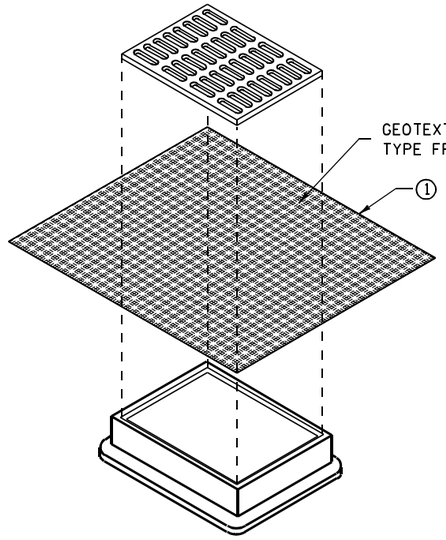


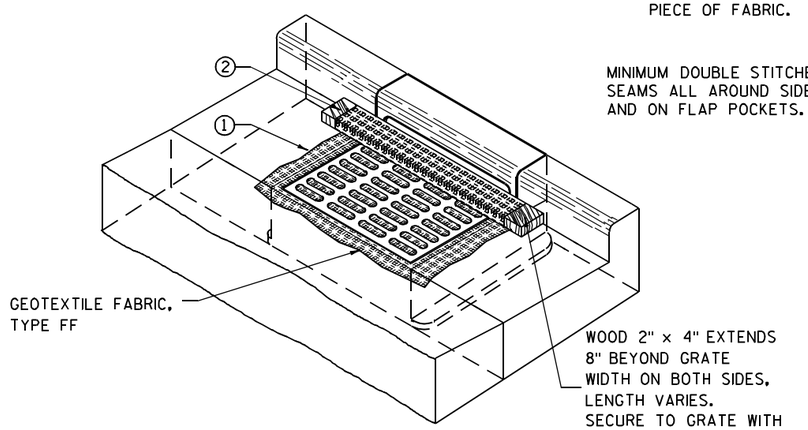


INLET PROTECTION, TYPE A

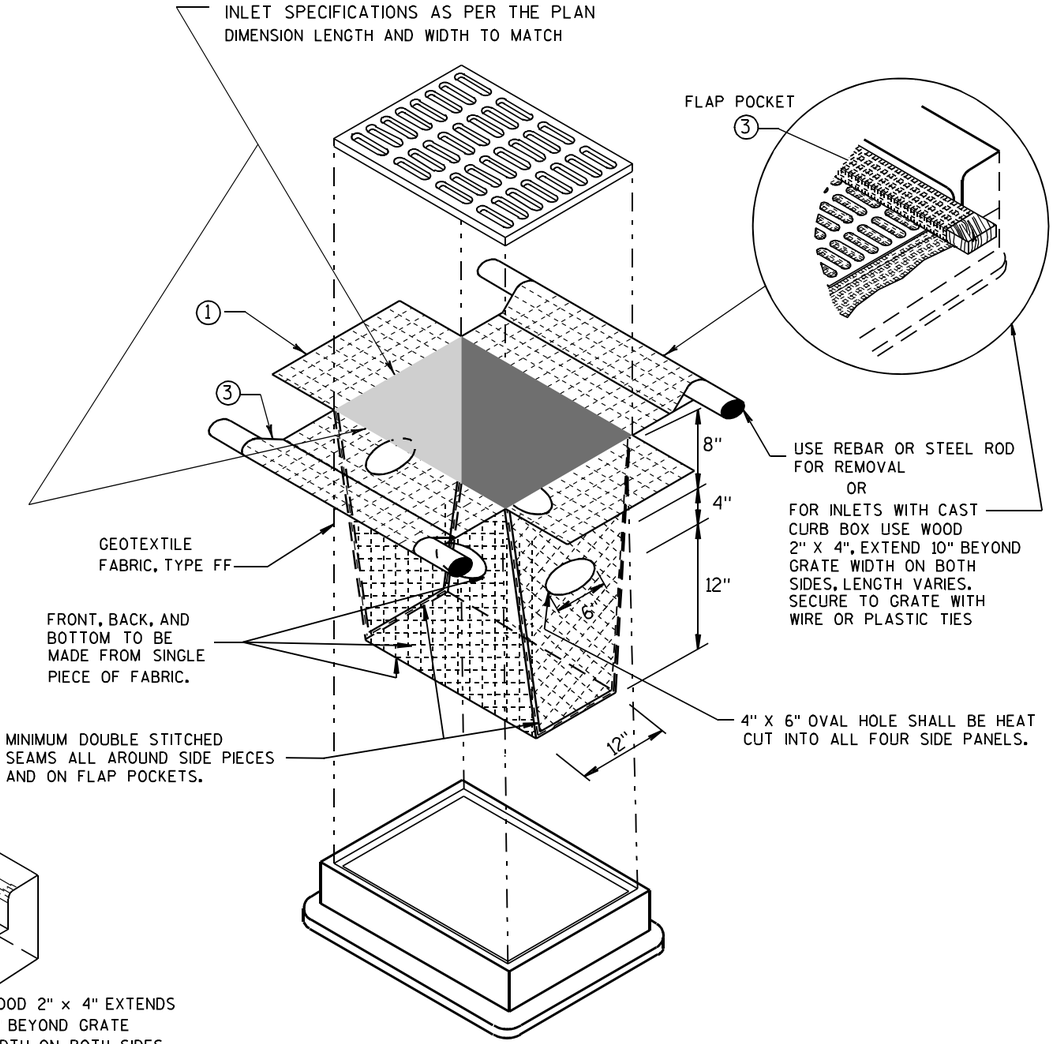


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

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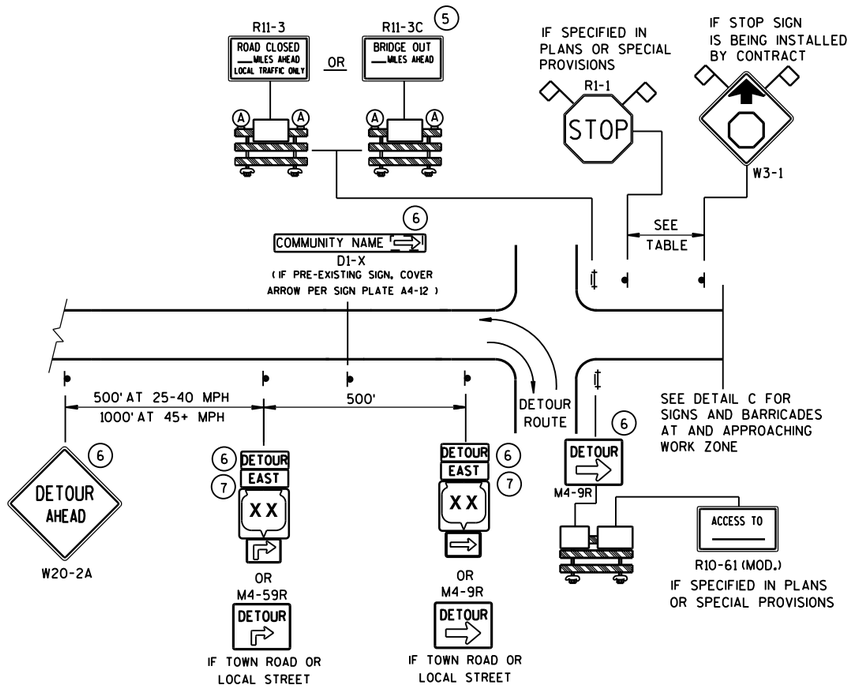
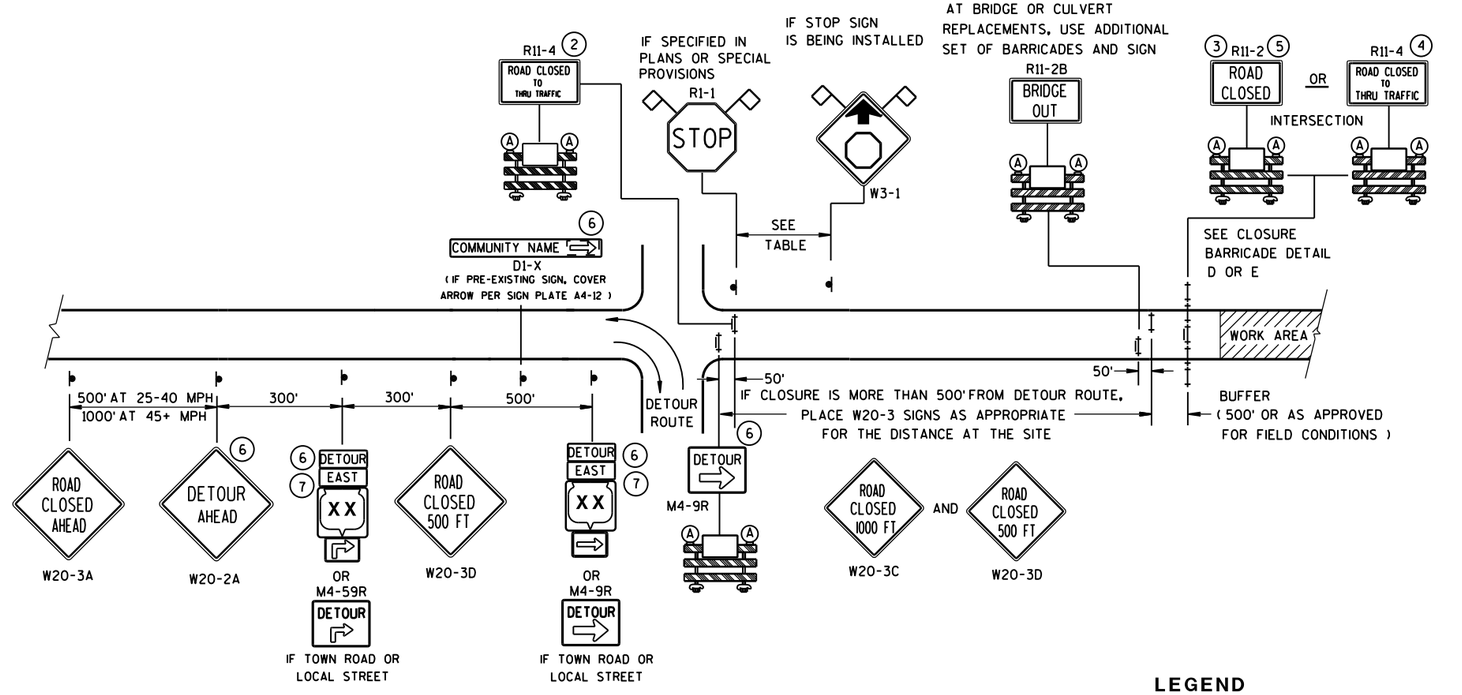
S.D.D. 8 E 10-2



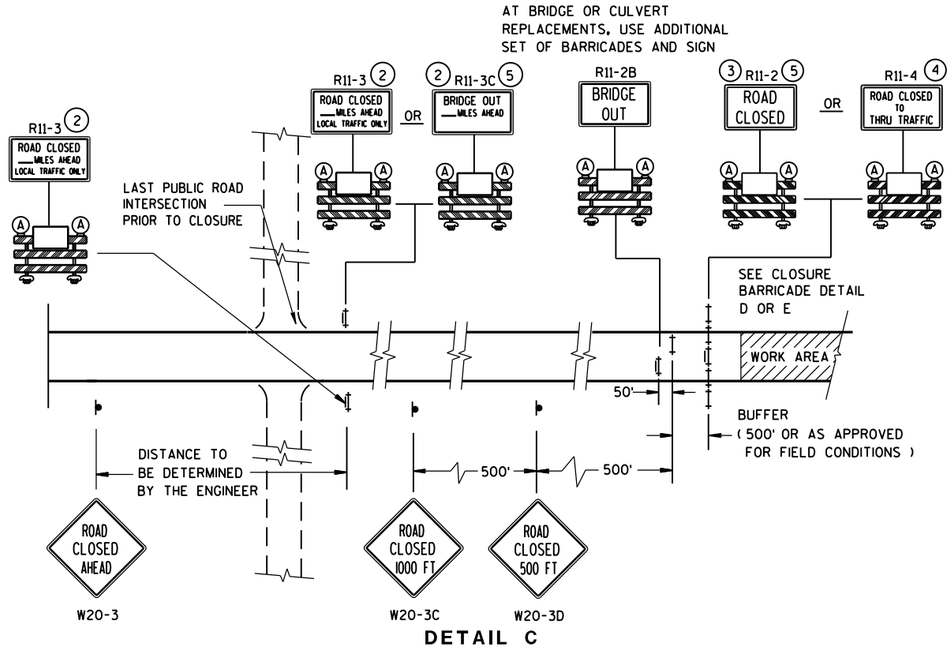
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

LEGEND

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

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

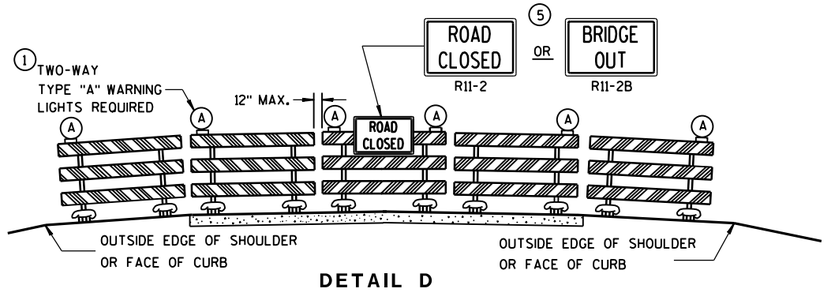
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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

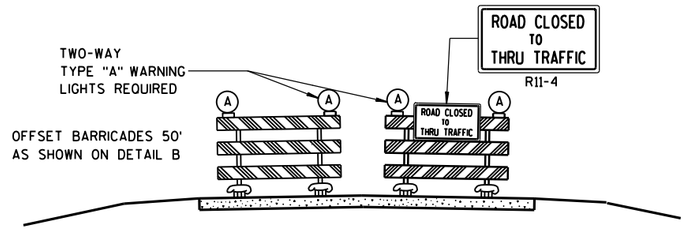
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

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

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

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

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

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

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

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

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

6

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

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

GENERAL NOTES

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

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

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

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

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

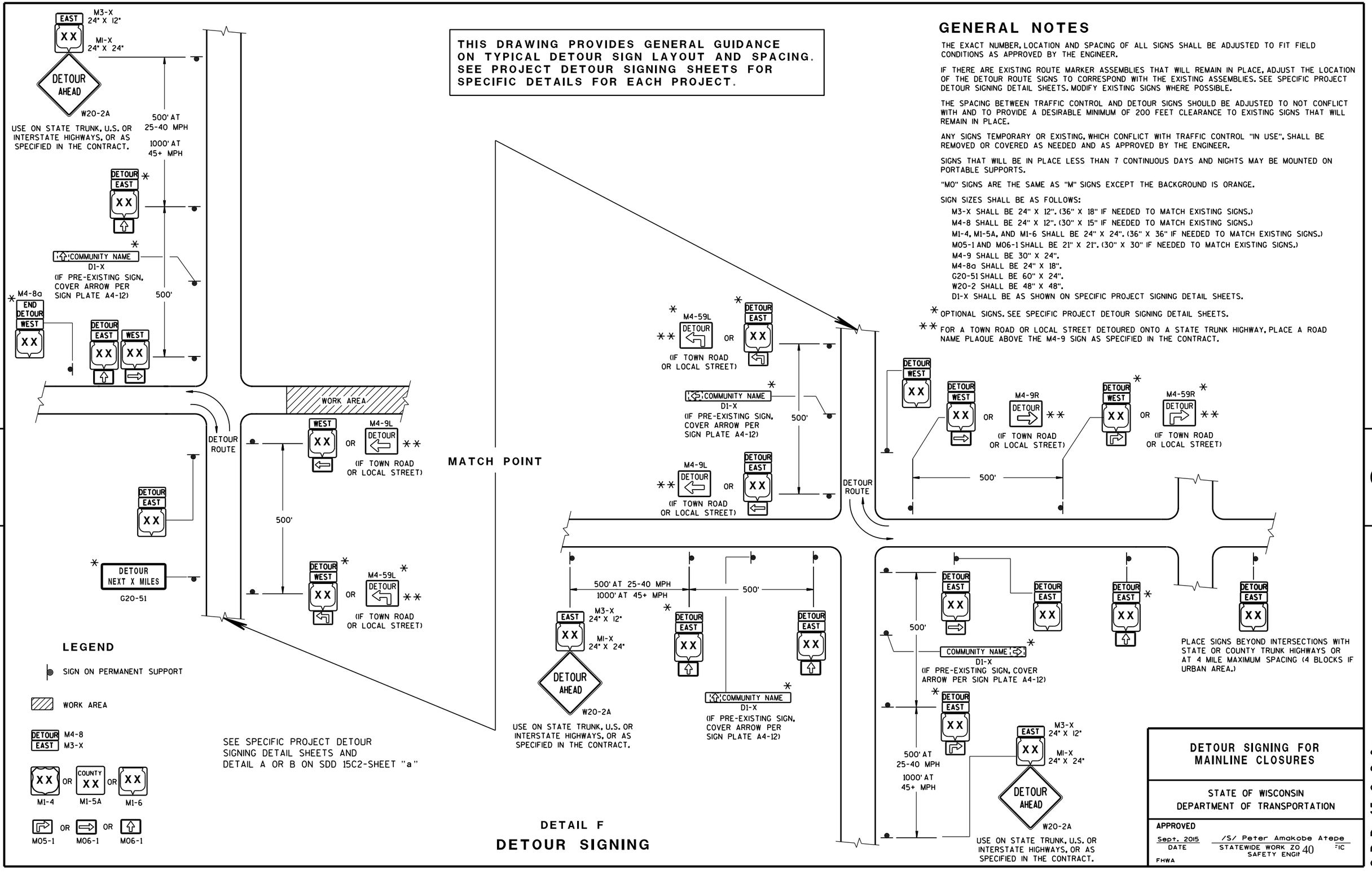
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

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

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



DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 — DATE

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

FHWA

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

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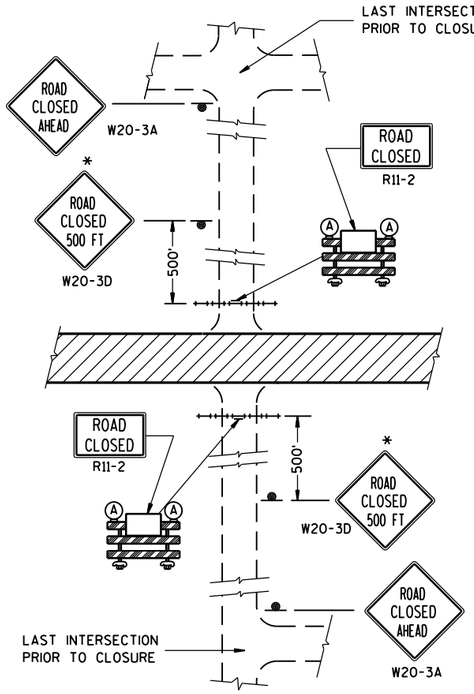
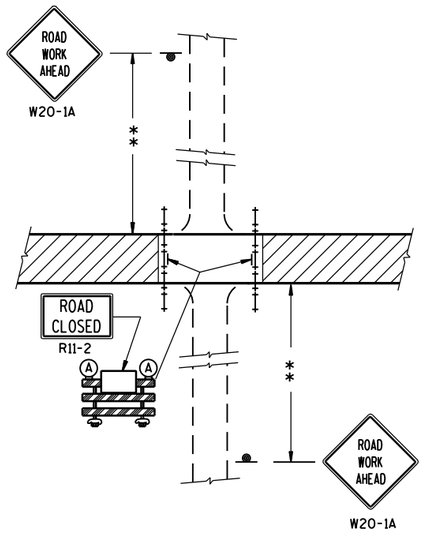


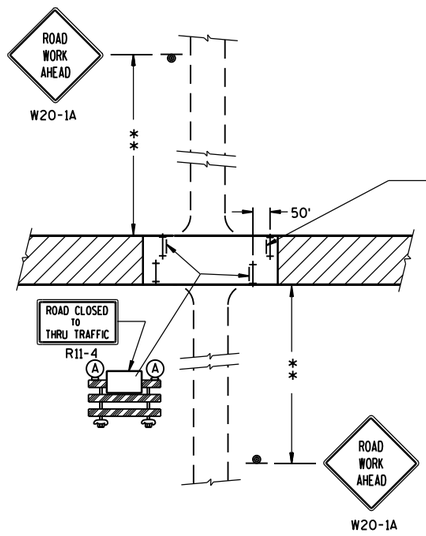
DETAIL 1

(NO ACCESS TO PROJECT)



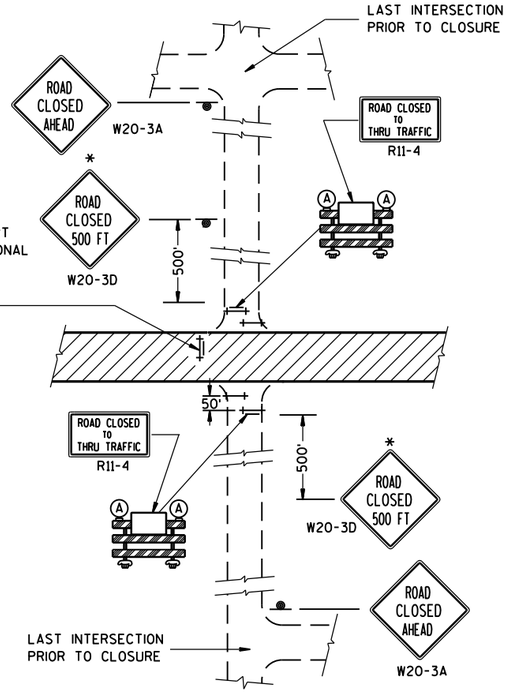
DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT).



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

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

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

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

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

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

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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S.D.D. 15 C 3-3

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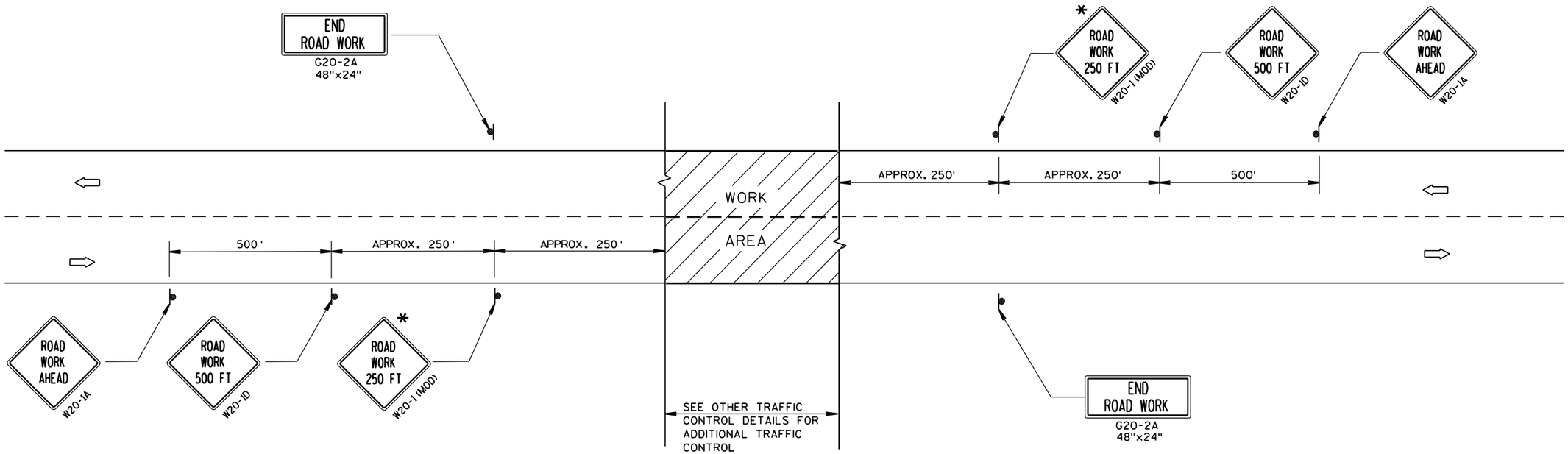
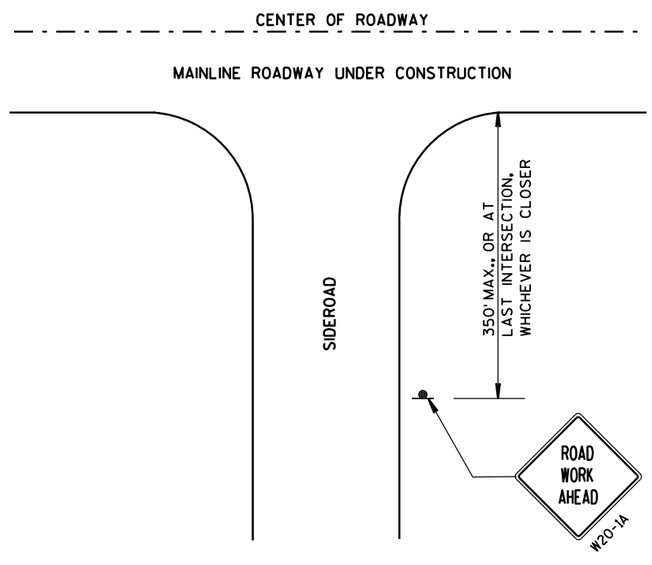
S.D.D. 15 C 3-3



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

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

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

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

LEGEND

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

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZOI SAFETY ENGIN — IC
FHWA

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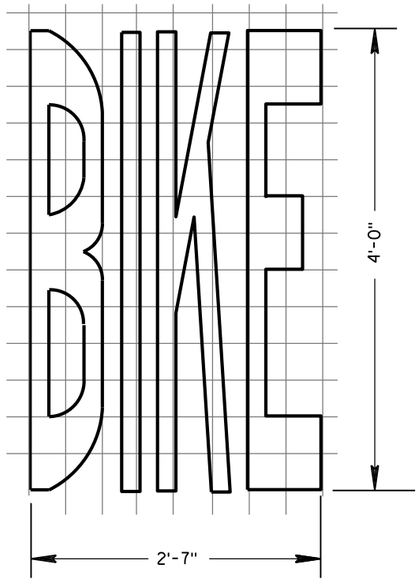
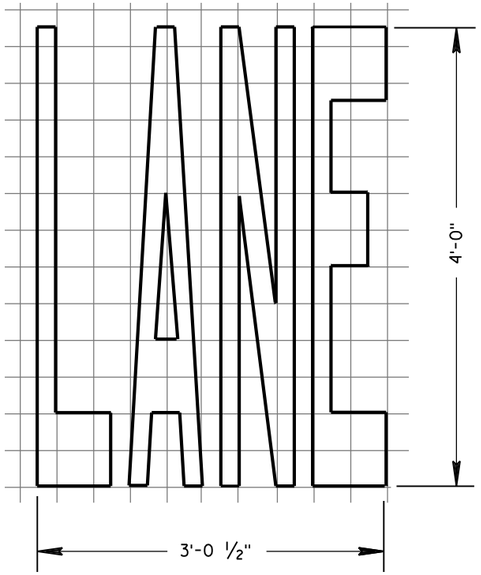
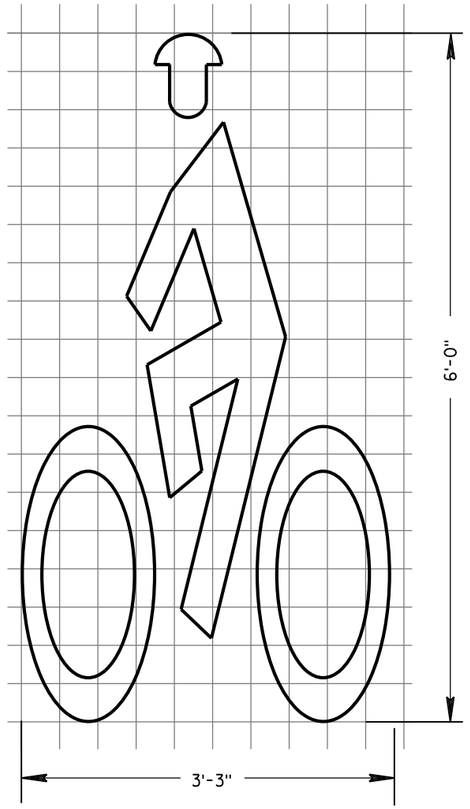
S.D.D. 15 C 5-3

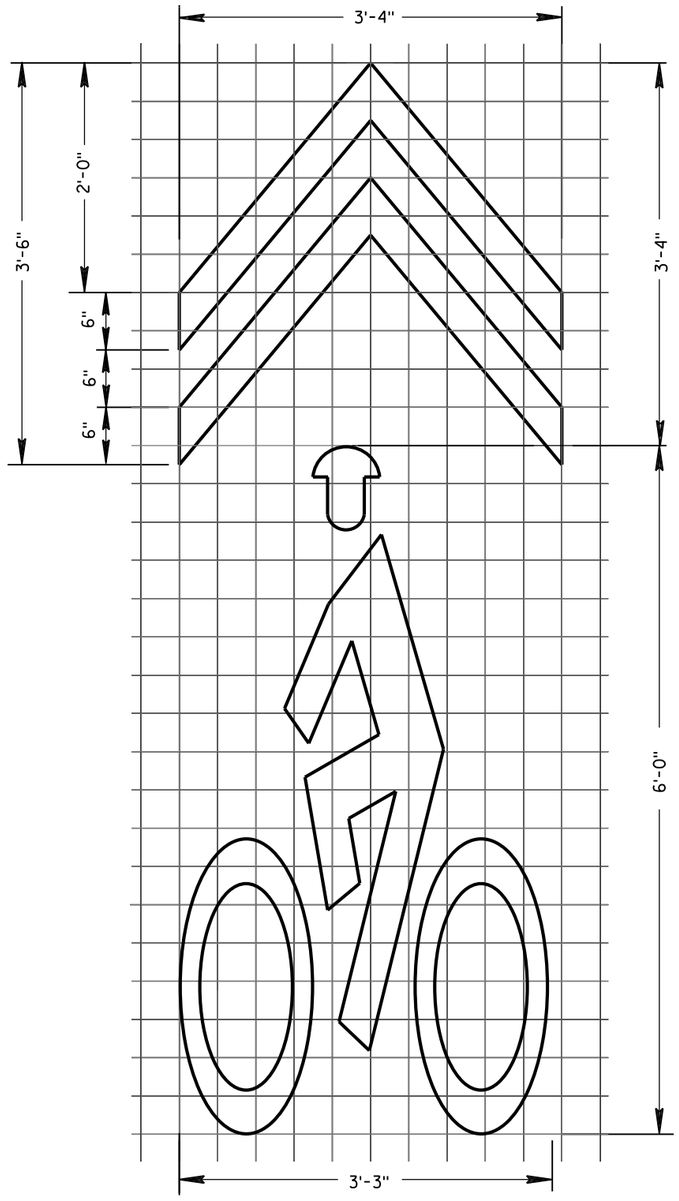




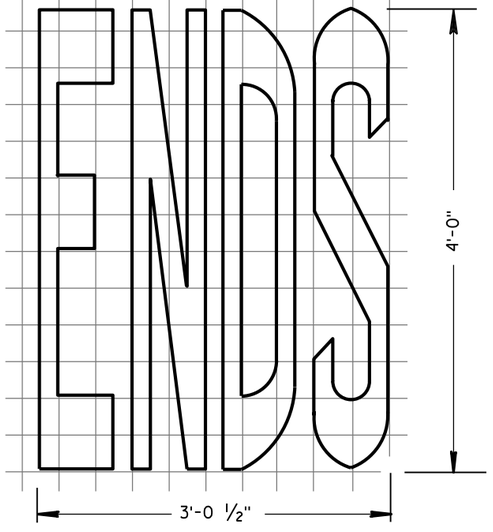
BIKE LANE WORDS



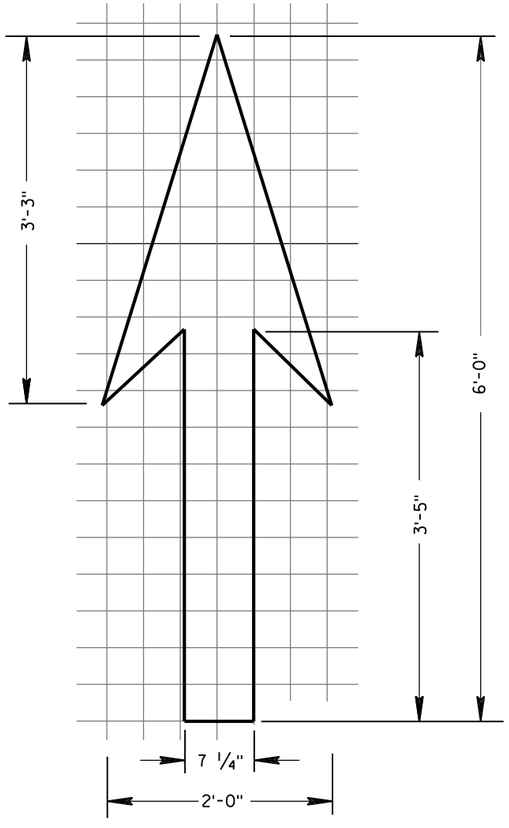
BIKE LANE SYMBOL



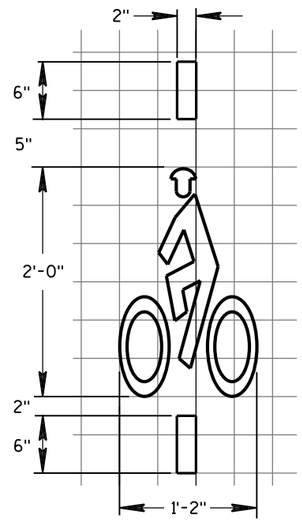
BIKE SYMBOL FOR SHARED LANE



BIKE LANE WORDS



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING

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.

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-18-2016
DATE

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

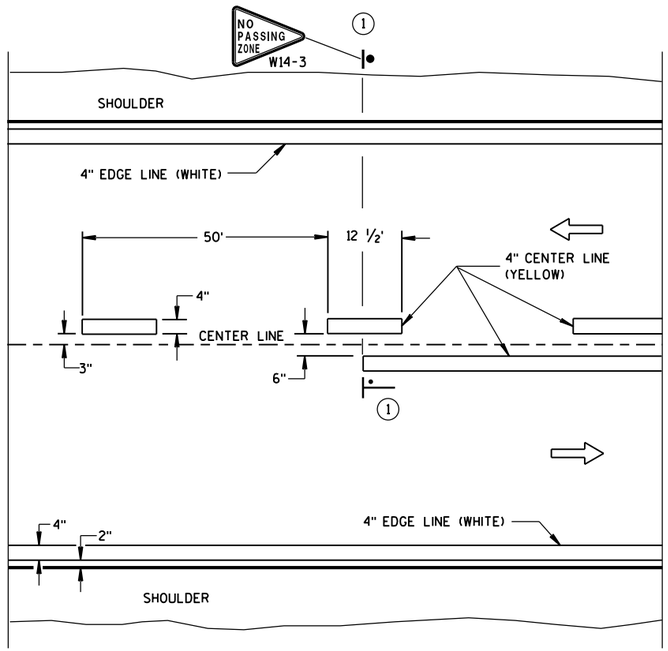
FHWA

6

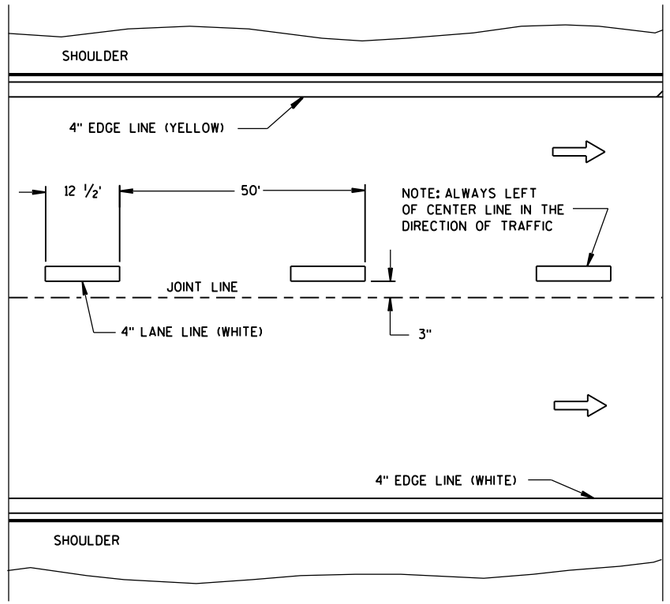
S.D.D. 15 C 7-13e

6

S.D.D. 15 C 7-13e



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

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

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

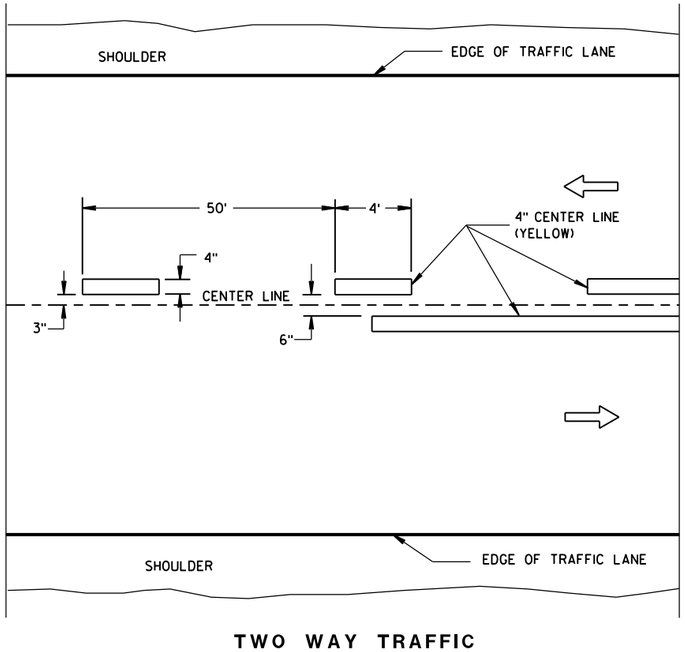
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

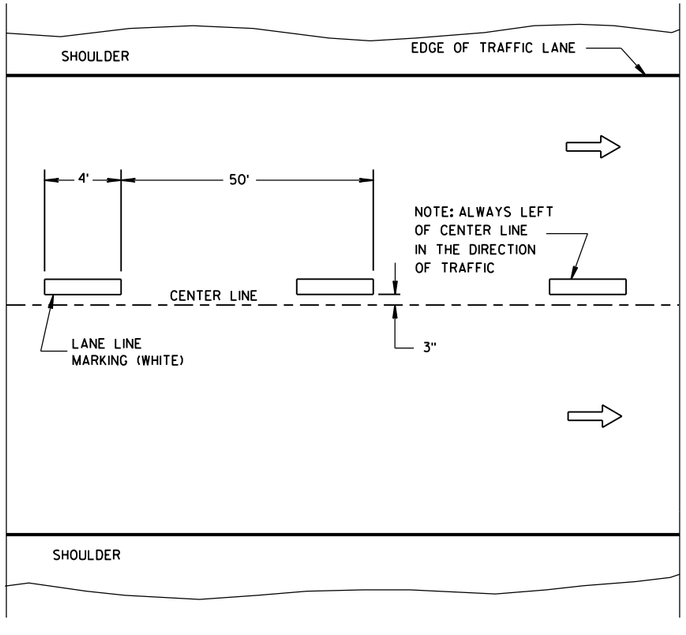
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MAR[illegible]INEER
FHWA

6

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

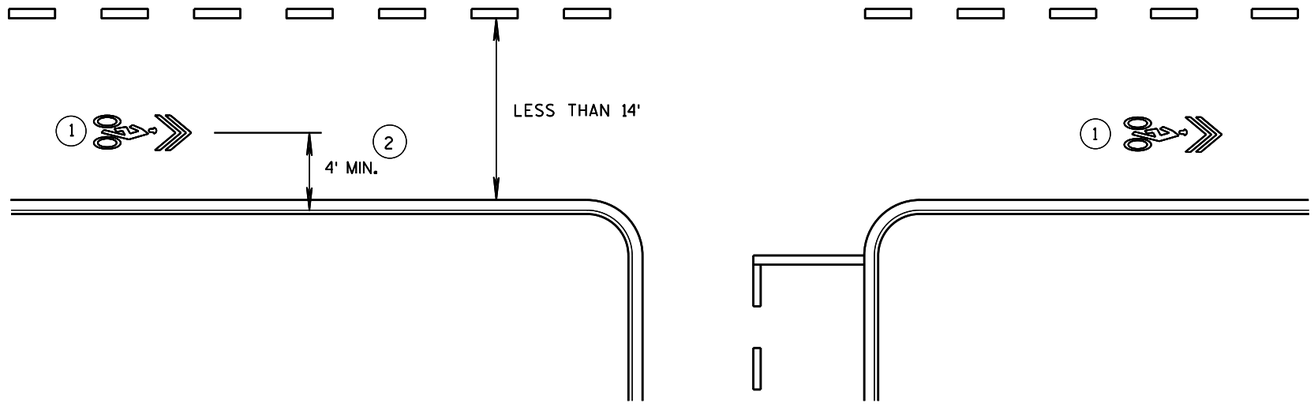
6

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

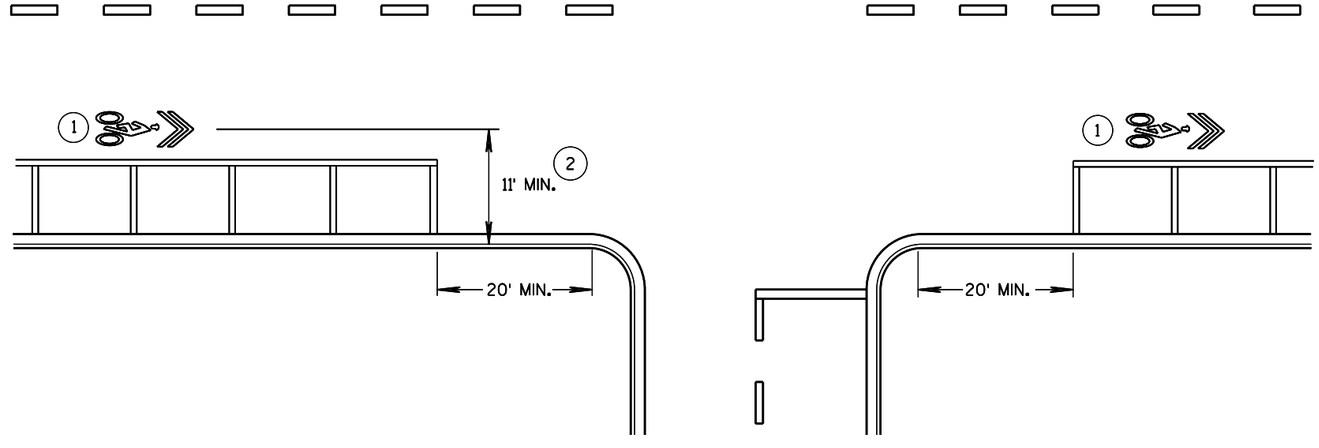
GENERAL NOTES

(1) MINIMUM OF ONE PER BLOCK, MAXIMUM OF 250 FEET.

(2) OR TO EDGE OF PAVEMENT WITHOUT CURB.



WITHOUT PARKING



WITH PARKING

PAVEMENT MARKING FOR
SHARED LANE
35 MPH OR LESS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

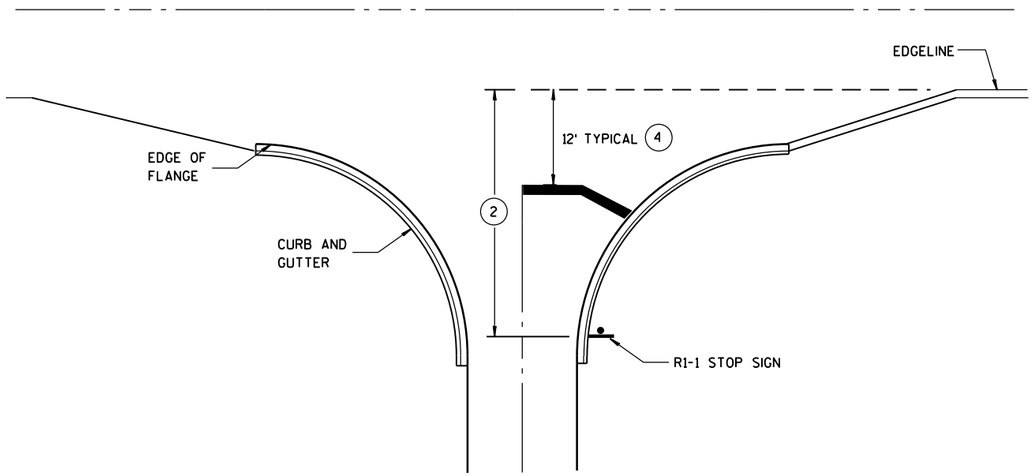
APPROVED
12-2016 DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MARK EER
FHWA

6

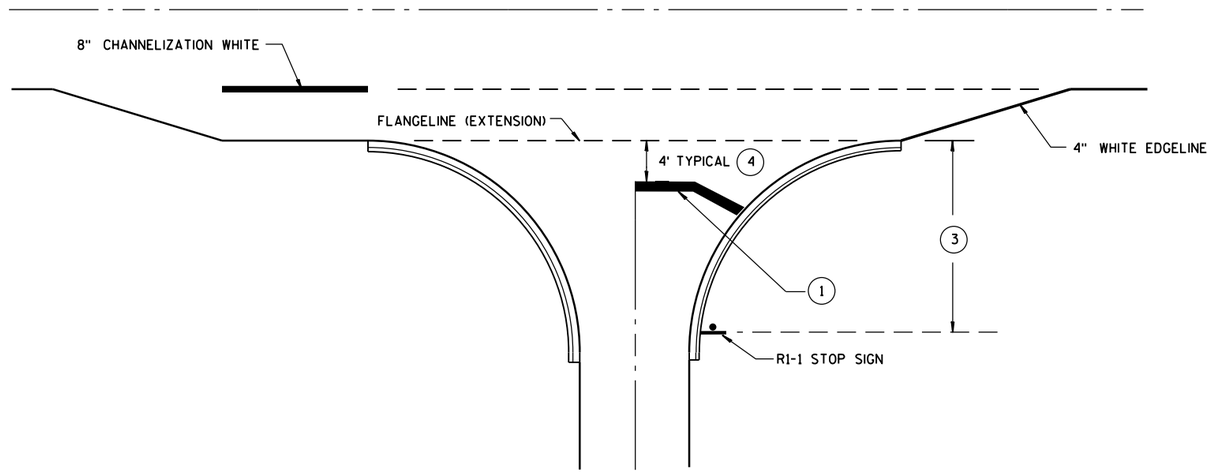
S.D.D. 15 C 29-5b

6

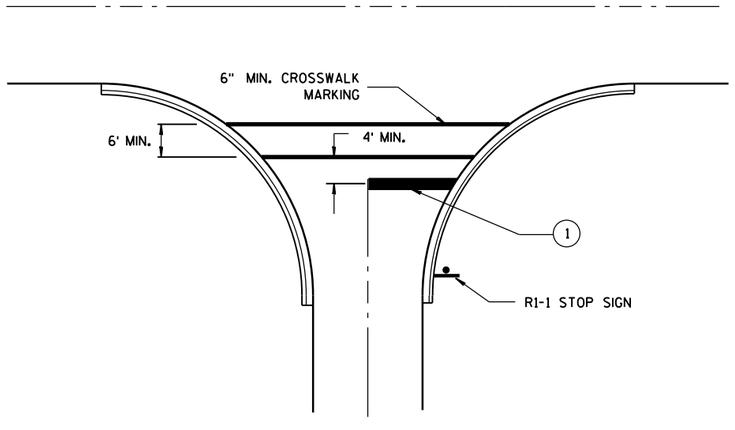
S.D.D. 15 C 29-5b



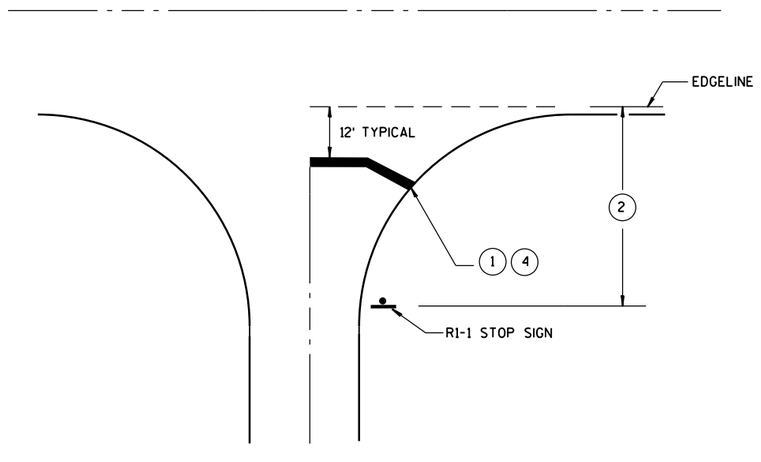
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
3. IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
4. MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

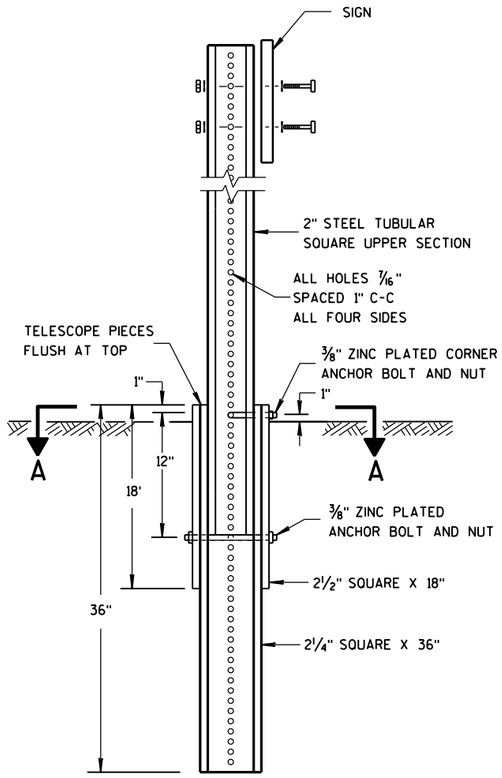
4-18-2016
DATE

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

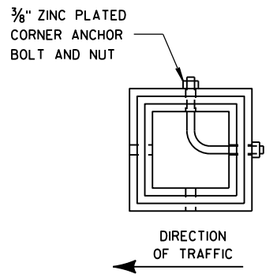
FHWA

6

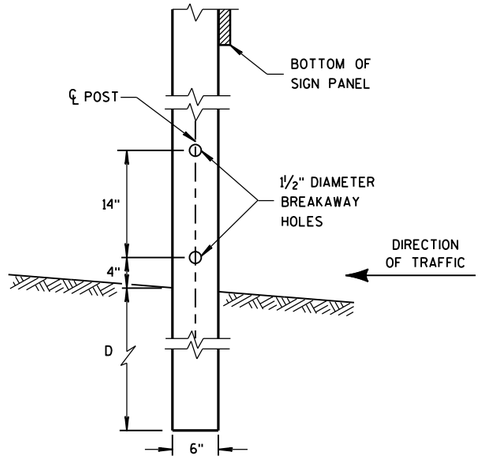
S.D.D. 15 C 33-2



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



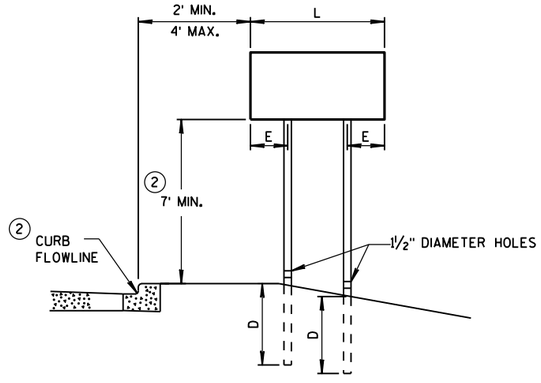
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

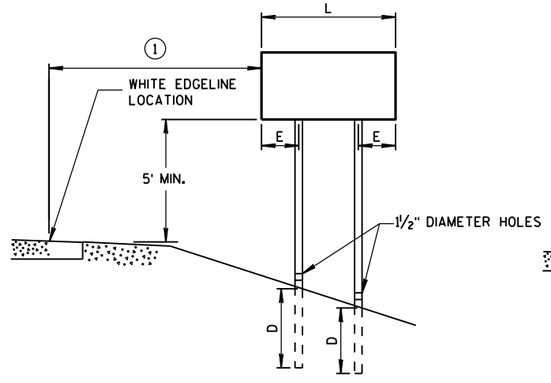
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

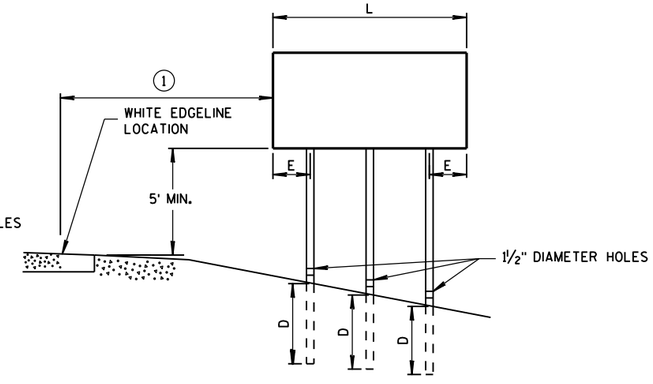
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK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

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



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

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

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

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

WOOD POST EMBEDMENT DEPTH

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

4" X 6" WOOD POST

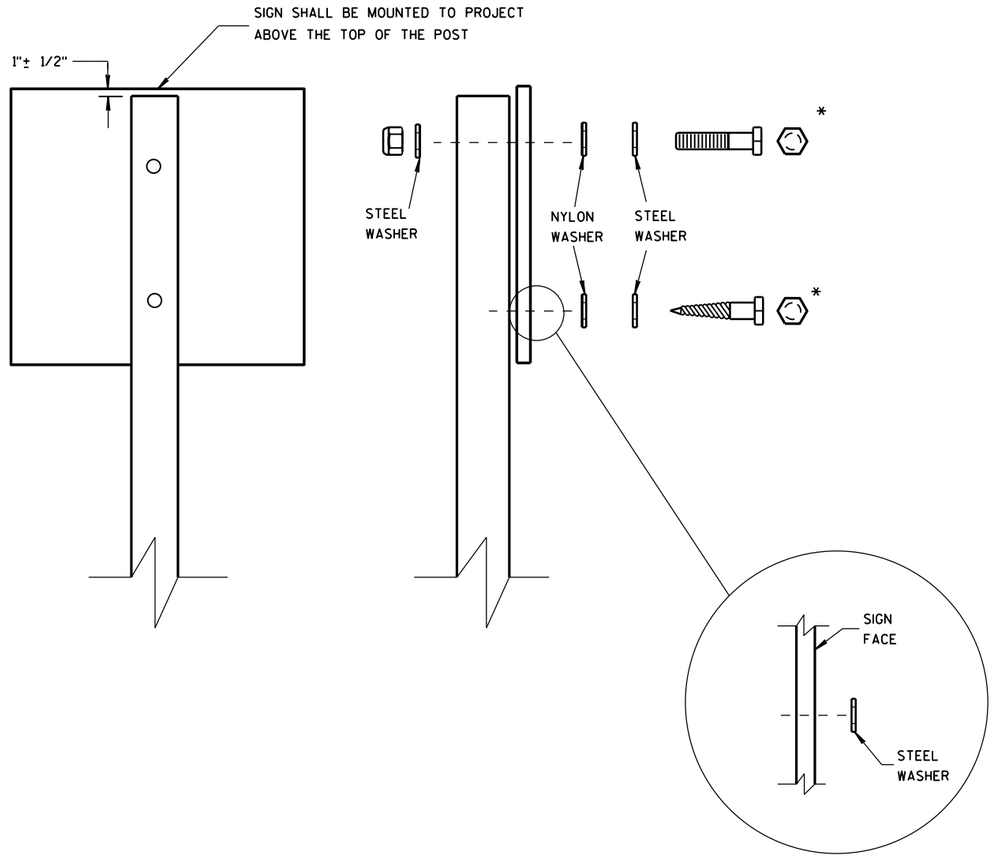
POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

STATE OF WISCONSIN DEPARTMENT OF TRANSPO

6
S.D.D. 15 D 38-1a



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

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

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

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

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

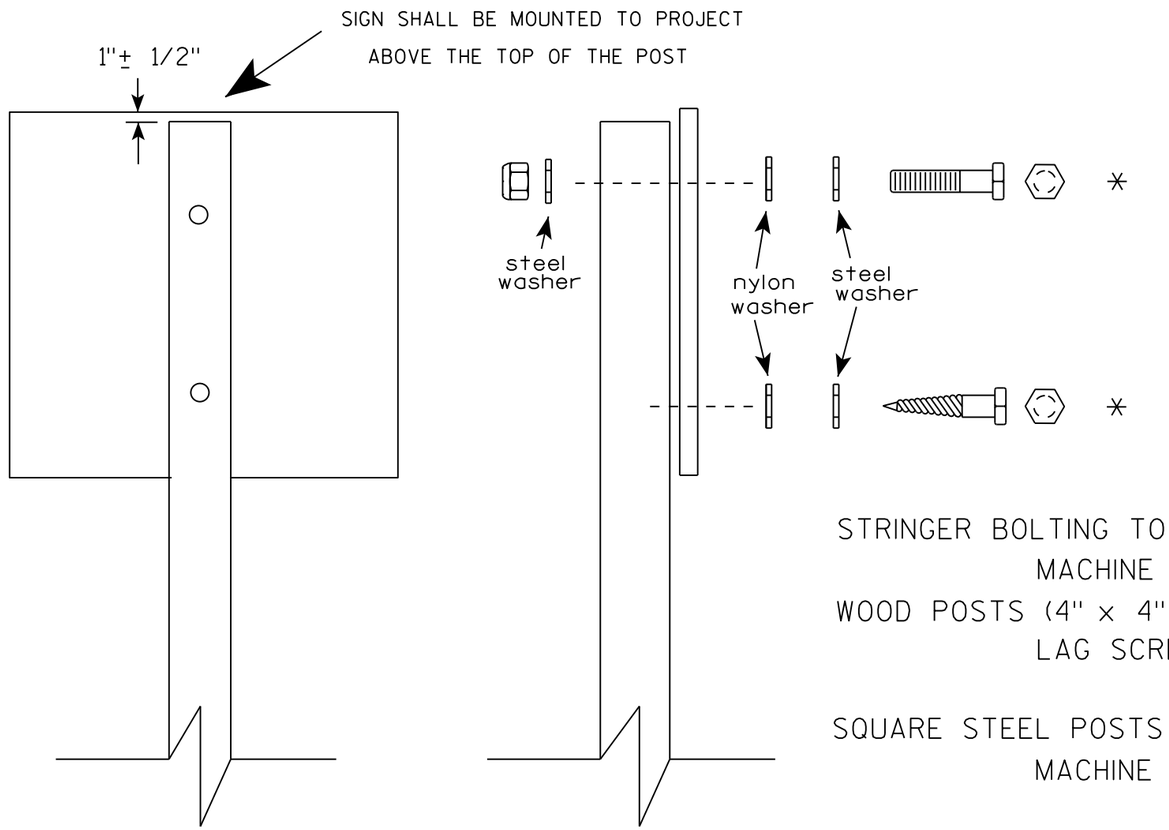
APPROVED

Feb. 2015 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER

FHWA

SIGN



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

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

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

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

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)

3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)

3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON

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

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

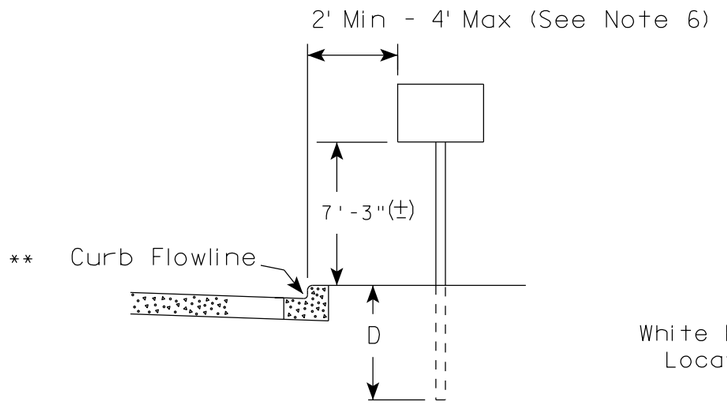
APPROVED Matthew R Rauch
For State Traffic Engineer

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

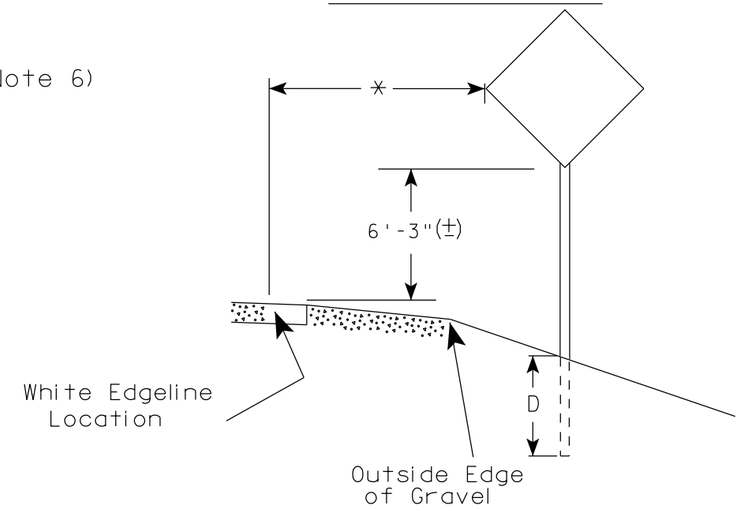
PROJECT NO: SHEET NO: E

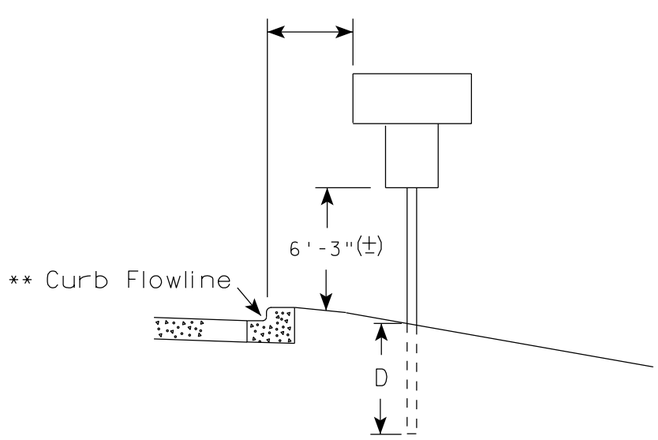
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

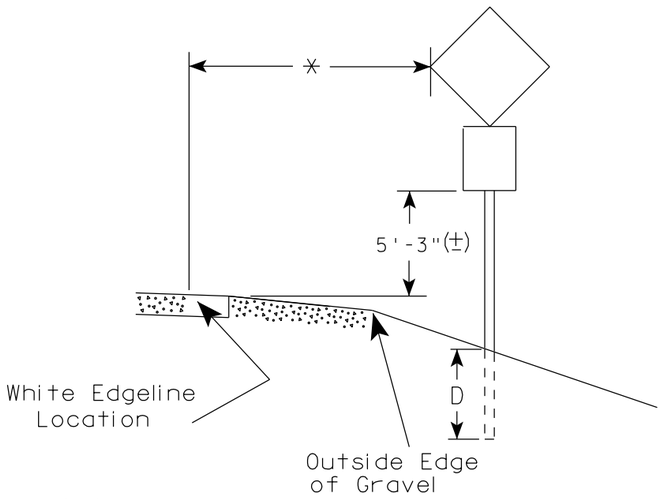
URBAN AREA



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.

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A2-1S) 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 signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

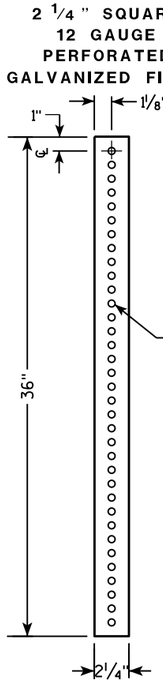
DATE 7/23/15 PLATE NO. A4-3.20

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

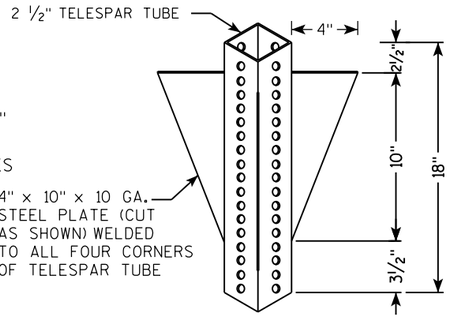
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN PLOT DATE : 23-JUL-2015 15:21 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 99.237937:1.000000 WISDOT/CADDS SHEET 42

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

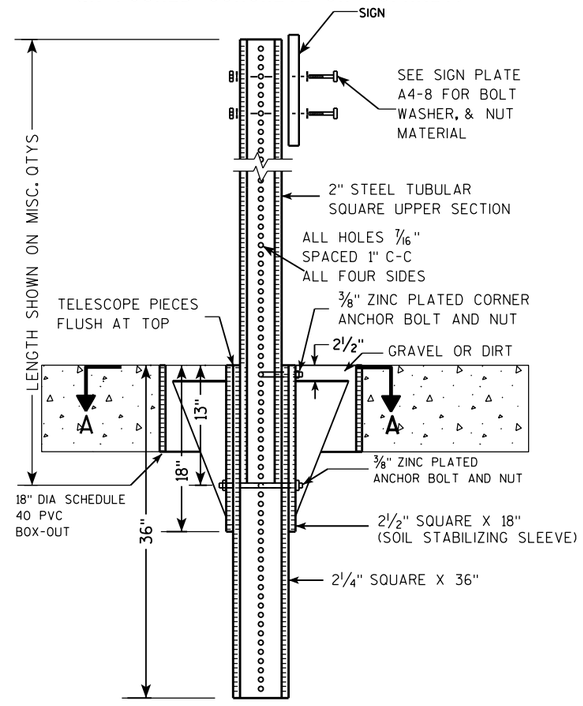
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



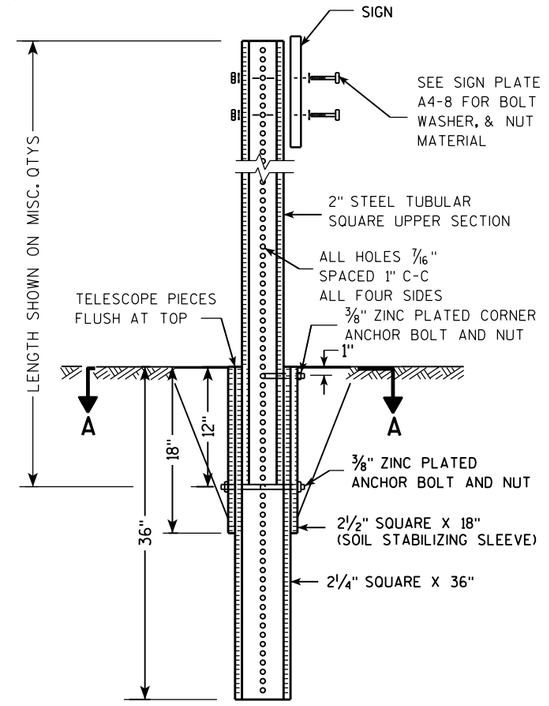
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

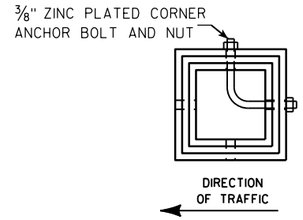


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

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

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

TUBULAR STEEL
SIGN POST
A4-9

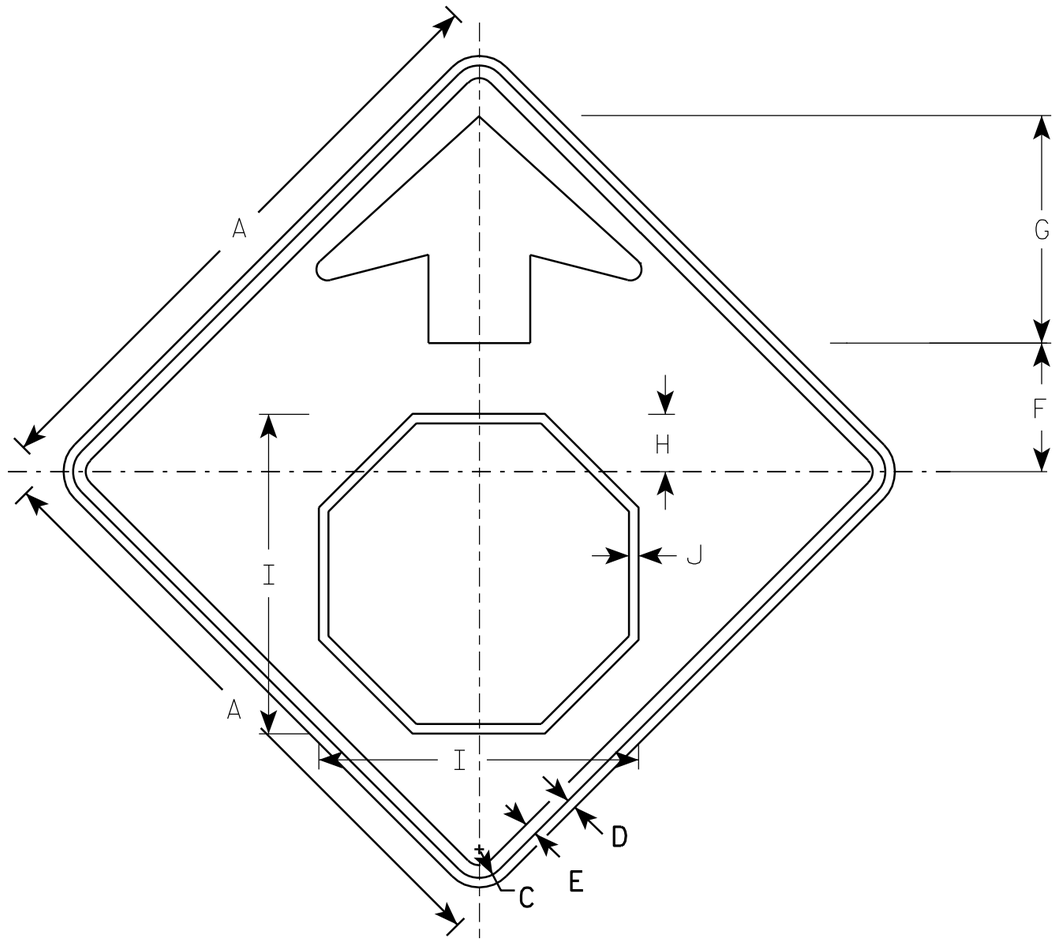
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

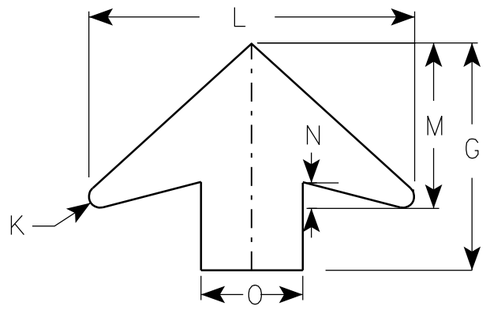
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000
WISDOT/CADDS SHEET 42



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

SHEET NO: 52 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W31.DGN PLOT DATE : 07-JUN-2010 12:59 PLOT BY : ditjph

WISDOT/CADDS SHEET 42

7

7

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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