

EAU

JANUARY 2025

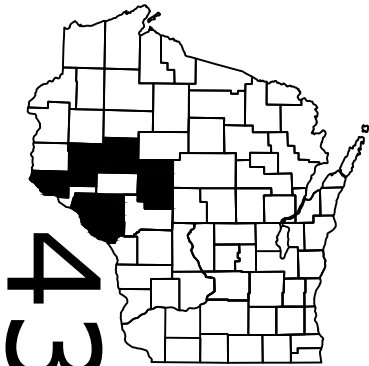
PROJECT ID: 1000-18-88

COUNTY: BUFFALO, CHIPPEWA, CLARK, DUNN, PIERCE & TREMPLEALEAU

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
<del>Section No.</del>	<del>4</del>	<del>Right of Way Plat</del>
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
<del>Section No.</del>	<del>9</del>	<del>Computer Earthwork Data</del>
<del>Section No.</del>	<del>9</del>	<del>Gross Sections</del>

TOTAL SHEETS = 54



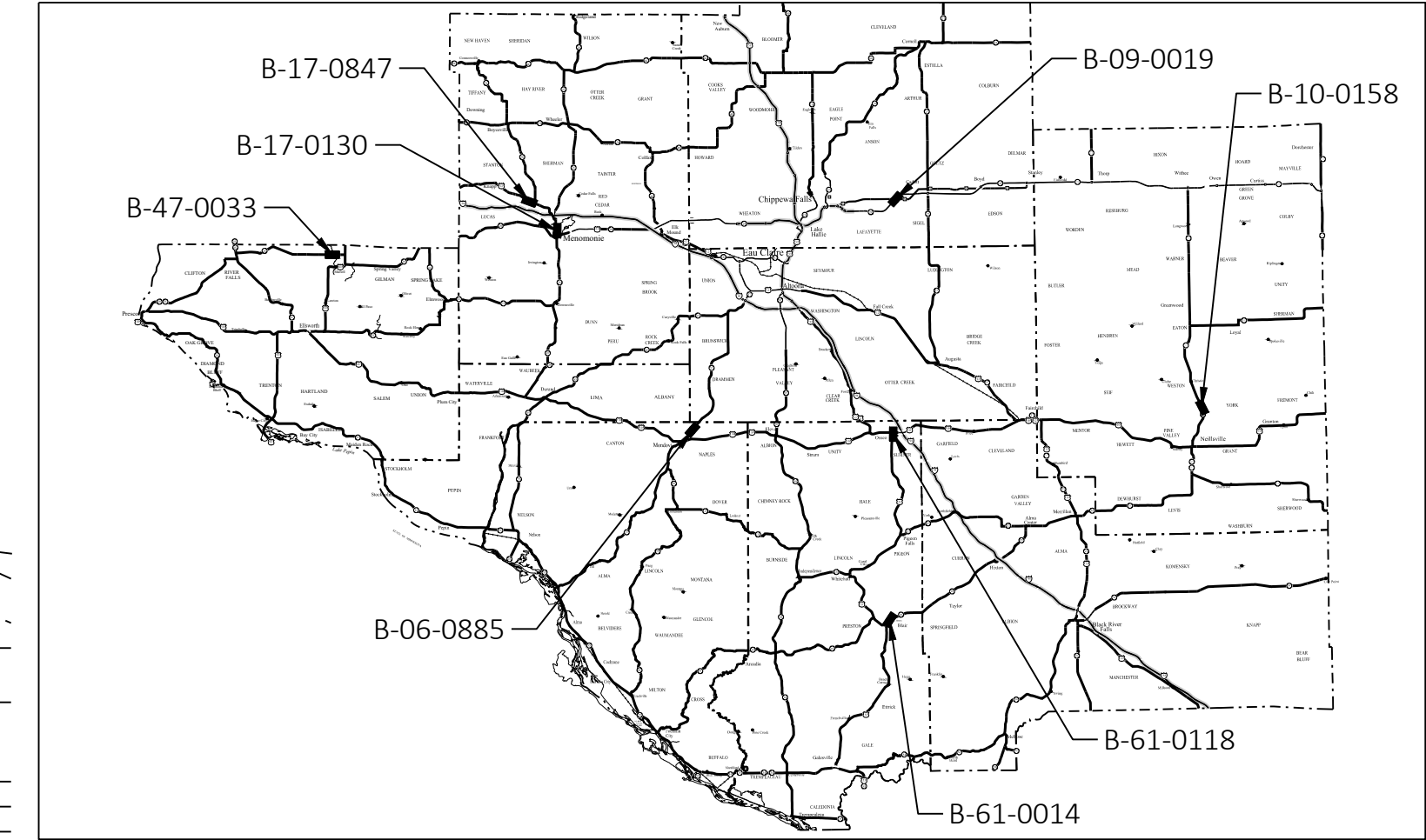
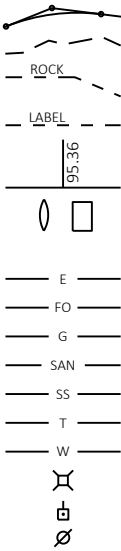
DESIGN DESIGNATION

A.A.D.T.	=	N/A
A.A.D.T.	=	N/A
D.H.V.	=	N/A
D.D.	=	N/A
T.	=	N/A
DESIGN SPEED	=	N/A
ESALS	=	N/A

CONVENTIONAL SYMBOLS

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

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



LAYOUT  
SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 0.0

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

NW REGION, BRIDGE SPOT PNT FY2024  
VARIOUS HIGHWAYS, NW REGION FY2024  
VARIOUS  
BUFFALO, CHIPPEWA, CLARK, DUNN, PIERCE & TREMPLEALEAU

STATE PROJECT NUMBER
1000-18-88

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1000-18-88		

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	N/A
Designer	ADAM STURGIS, P.E.
Project Manager	ADAM STURGIS, P.E.
Regional Examiner	WISDOT
Regional Supervisor	JAMES KOENIG, P.E.

APPROVED FOR THE DEPARTMENT  
DATE: 11/19/2024 *JAMES KOENIG*  
(Signature)

E

GENERAL NOTES

THE LOCATION OF EXISTING UTILITY FACILITIES ARE NOT SHOWN ON THE PLANS.  
THERE MAY BE UTILITY FACILITIES WITHIN THE PROJECT AREA.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY  
GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION OUTSIDE OF THE  
NORMAL CONSTRUCTION LIMITS.

WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS.  
REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER.

UTILITY CONTACT

- 24-7 TELCOM INC (COMLN)**  
BRAD SCHMIDTKNECHT  
P.O. BOX 247  
DOWNSVILLE, WI 54735  
715-231-0504  
BRADS@WWT.COOP
- AT&T WI (COMLN)**  
RICK PODOLAK  
304 S DEWEY ST  
EAU CLAIRE, WI 54701  
715-839-5565  
RP4514@ATT.COM
- BALDWIN TELECOM INC (COMLN)**  
MATT KNEGENDORF  
P.O. BOX 420  
BALDWIN, WI 54002  
715-688-1034  
MKNEGENDORF@LSWI.NET
- CINC (COMLN)**  
DAREN BAUER  
725 W PARK AVE  
CHIPPEWA FALLS, WI 54729  
715-836-5286  
BAUERDP@UWEC.EDU
- CITY OF BLAIR (ELCTY)**  
DEBRA FREMSTAD  
P.O. BOX 147  
BLAIR, WI 54616  
608-989-2517  
DFREMSTAD@CITYOFBLAIRWI.GOV
- CITY OF OSSEO (ELCTY)**  
STEVE DURHAM  
13712 8TH ST  
OSSEO, WI 54758  
715-597-2207  
DPW@CITYOFOSSEOWI.US
- DUNN ENERGY COOP (ELCTY)**  
LOREN LUZINSKI  
P.O. BOX 220  
MENOMONIE, WI 54751  
715-232-6240  
LOREN@DUNNENERGY.COM
- FRONTIER COM OF WI (COMLN)**  
CHRIS POLLACK  
26 W 12TH ST  
CLINTONVILLE, WI 54929  
715-847-1240  
CHRISTOPHER.POLLACK@FTR.COM
- TDS TELECOM INC (COMLN)**  
JEFF OLSON  
P.O. BOX 5158  
MADISON, WI 53705  
608-845-2219  
JEFFREY.OLSON@TDSTELECOM.COM
- TRI-COUNTY COM COOP (COMLN)**  
BUCK WEBB  
P.O. BOX 578  
STRUM, WI 54770  
715-695-2691  
BWEBB@TCCPRO.NET
- WE ENERGIES (GSPTR)**  
JEREMY SLOWINSKI  
1921 8TH ST S  
WISCONSIN RAPIDS, WI 54494  
715-421-7251  
JEREMY.SLOWINSKI@WE-ENERGIES.COM
- XCEL ENERGY (ELCTY)**  
DAWN SCHULTZ  
P.O. BOX 8  
EAU CLAIRE, WI 54702  
715-737-2482  
DAWN.SCHULTZ@XCELENERGY.COM
- XCEL ENERGY (GSPTR)**  
DAWN SCHULTZ  
P.O. BOX 8  
EAU CLAIRE, WI 54702  
715-737-2482  
DAWN.SCHULTZ@XCELENERGY.COM
- XCEL ENERGY (ELCTT)**  
DAWN SCHULTZ  
P.O. BOX 8  
EAU CLAIRE, WI 54702  
715-737-2482  
DAWN.SCHULTZ@XCELENERGY.COM


AREA CONTACTS

- WISDOT DESIGN**  
ADAM STURGIS  
718 W CLAIREMONT AVE  
EAU CLAIRE, WI 54701  
715-392-7967  
ADAM.STURGIS@DOT.WI.GOV
- WISDOT NW REGION SUPERVISOR**  
JAMES KOENIG  
718 W CLAIREMONT AVE  
EAU CLAIRE, WI 54701  
715-838-8391  
JAMES.KOENIG@DOT.WI.GOV

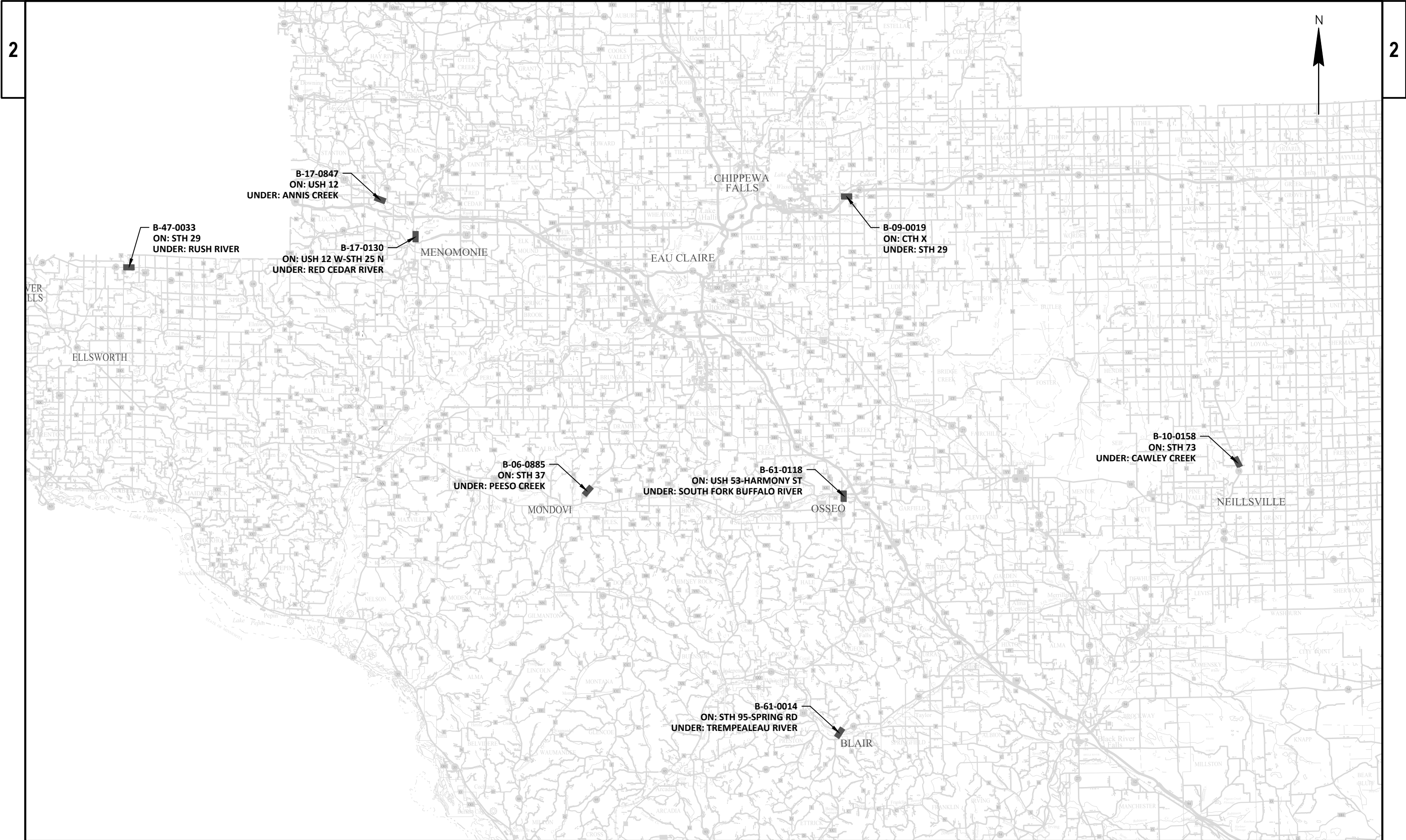
DNR CONTACT

- BUFFALO COUNTY DNR LIASON**  
AMY LESIK  
1300 W CLAIREMONT AVE  
EAU CLAIRE, WI 54701  
715-495-1903  
AMYL.LESIK@WISCONSIN.GOV
- CHIPPEWA COUNTY DNR LIASON**  
LEAH NICOL  
1300 W CLAIREMONT AVE  
EAU CLAIRE, WI 54701  
715-934-9014  
LEAH.NICOL@WISCONSIN.GOV
- CLARK COUNTY DNR LIASON**  
BRAD BETTHAUSER  
910 STATE HIGHWAY 54  
BLACK RIVER FALLS, WI 54615  
715-213-9064  
BRADLEY.BETTHAUSER@WISCONSIN.GOV
- DUNN COUNTY DNR LIASON**  
LEAH NICOL  
1300 W CLAIREMONT AVE  
EAU CLAIRE, WI 54701  
715-934-9014  
LEAH.NICOL@WISCONSIN.GOV
- PIERCE COUNTY DNR LIASON**  
AMY LESIK  
1300 W CLAIREMONT AVE  
EAU CLAIRE, WI 54701  
715-495-1903  
AMYL.LESIK@WISCONSIN.GOV
- TREMPEALEAU COUNTY DNR LIASON**  
AMY LESIK  
1300 W CLAIREMONT AVE  
EAU CLAIRE, WI 54701  
715-495-1903  
AMYL.LESIK@WISCONSIN.GOV

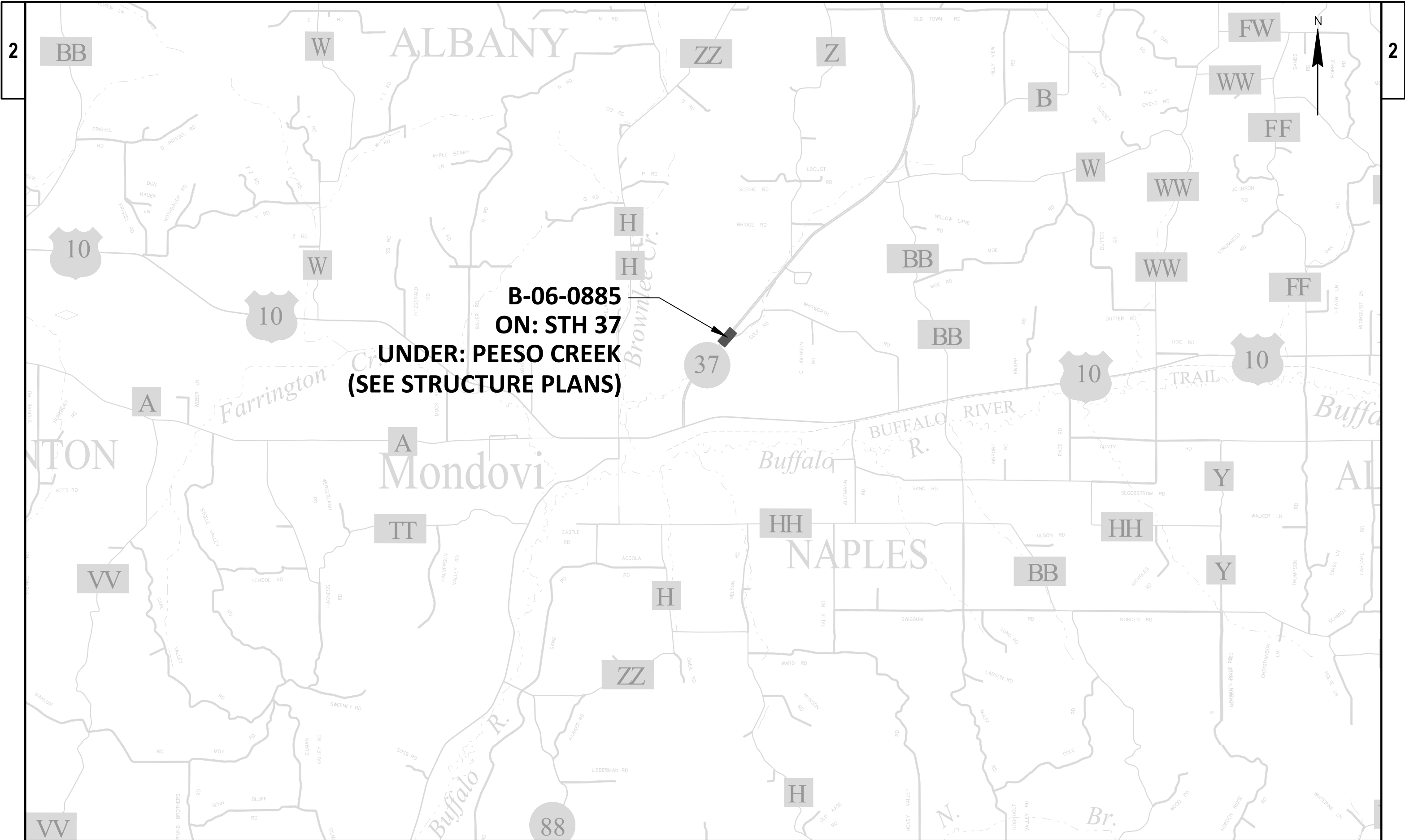


Dial  or (800)242-8511  
[www.DiggersHotline.com](http://www.DiggersHotline.com)



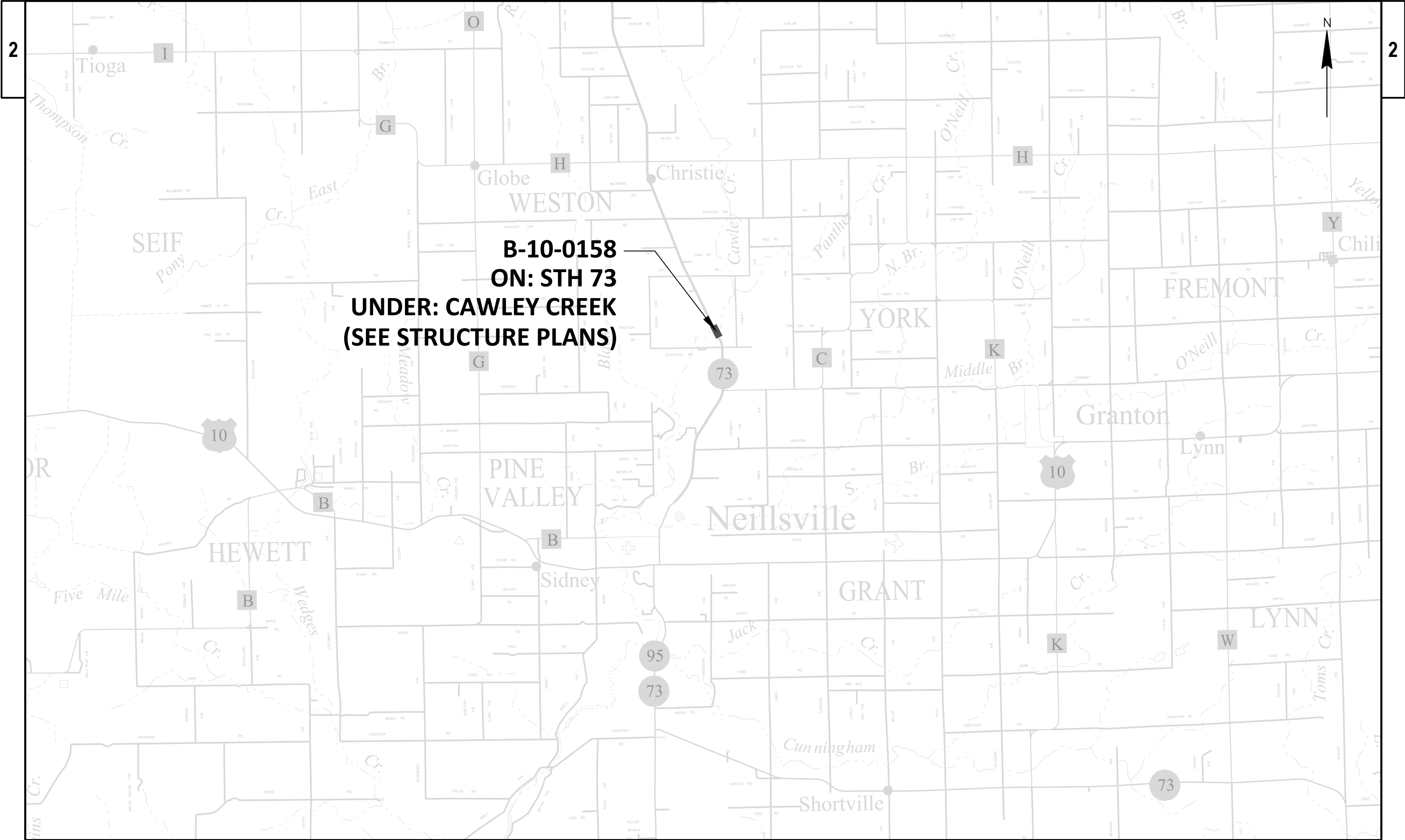


PROJECT NO: 1000-18-88	HWY: VARIOUS	COUNTY: VARIOUS	PROJECT OVERVIEW	SHEET	E
------------------------	--------------	-----------------	------------------	-------	---

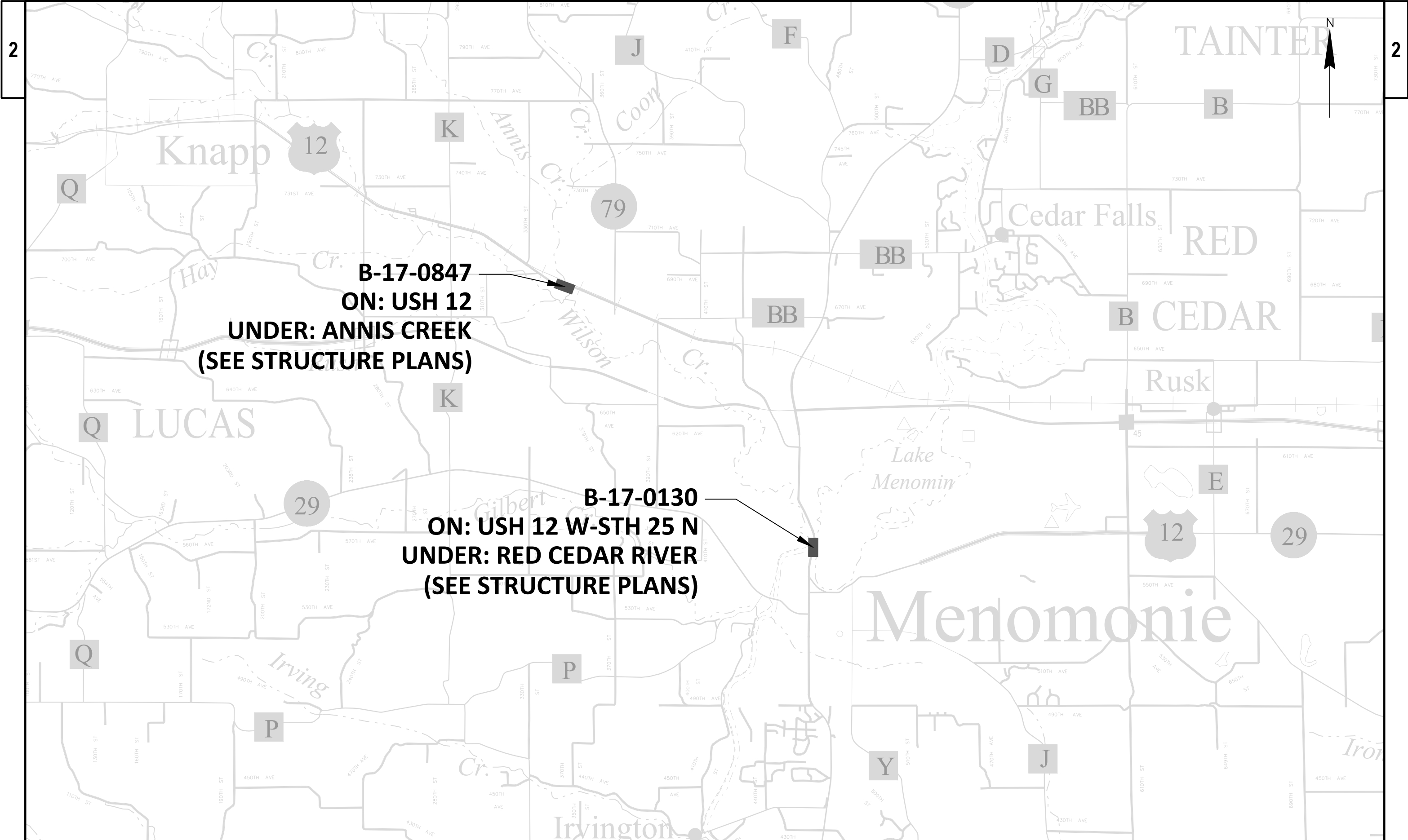


PROJECT NO: 1000-18-88	HWY: STH 37	COUNTY: BUFFALO	PROJECT OVERVIEW	SHEET	E
------------------------	-------------	-----------------	------------------	-------	---



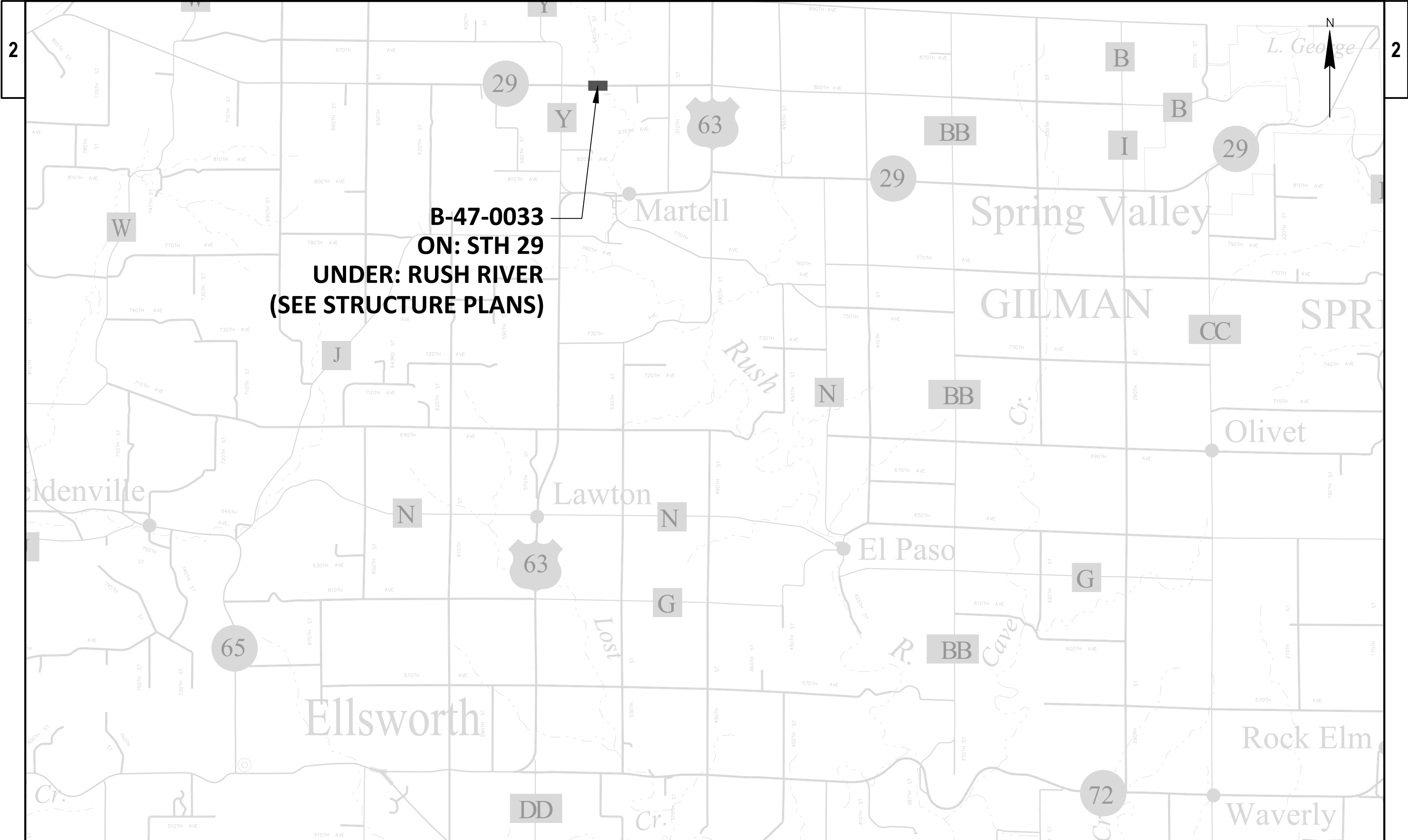


PROJECT NO: 1000-18-88	HWY: USH 12-STH 27 & STH 73	COUNTY: CLARK	PROJECT OVERVIEW	SHEET E
------------------------	-----------------------------	---------------	------------------	---------



**B-17-0847**  
**ON: USH 12**  
**UNDER: ANNIS CREEK**  
**(SEE STRUCTURE PLANS)**

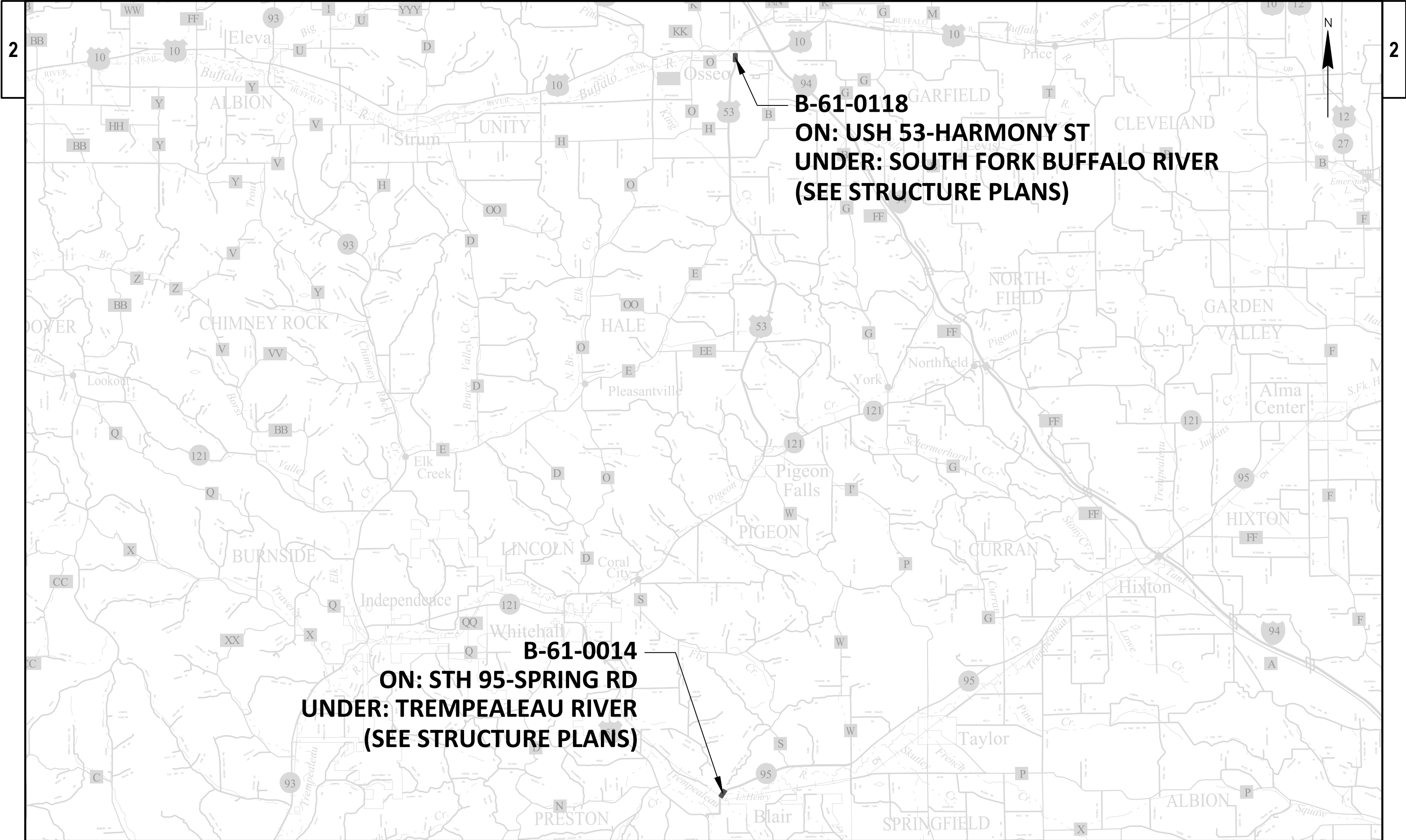
**B-17-0130**  
**ON: USH 12 W-STH 25 N**  
**UNDER: RED CEDAR RIVER**  
**(SEE STRUCTURE PLANS)**



**B-47-0033**  
**ON: STH 29**  
**UNDER: RUSH RIVER**  
**(SEE STRUCTURE PLANS)**

PROJECT NO: 1000-18-88	HWY: STH 29, STH 72 & USH 63	COUNTY: PIERCE	PROJECT OVERVIEW	SHEET	E
------------------------	------------------------------	----------------	------------------	-------	---

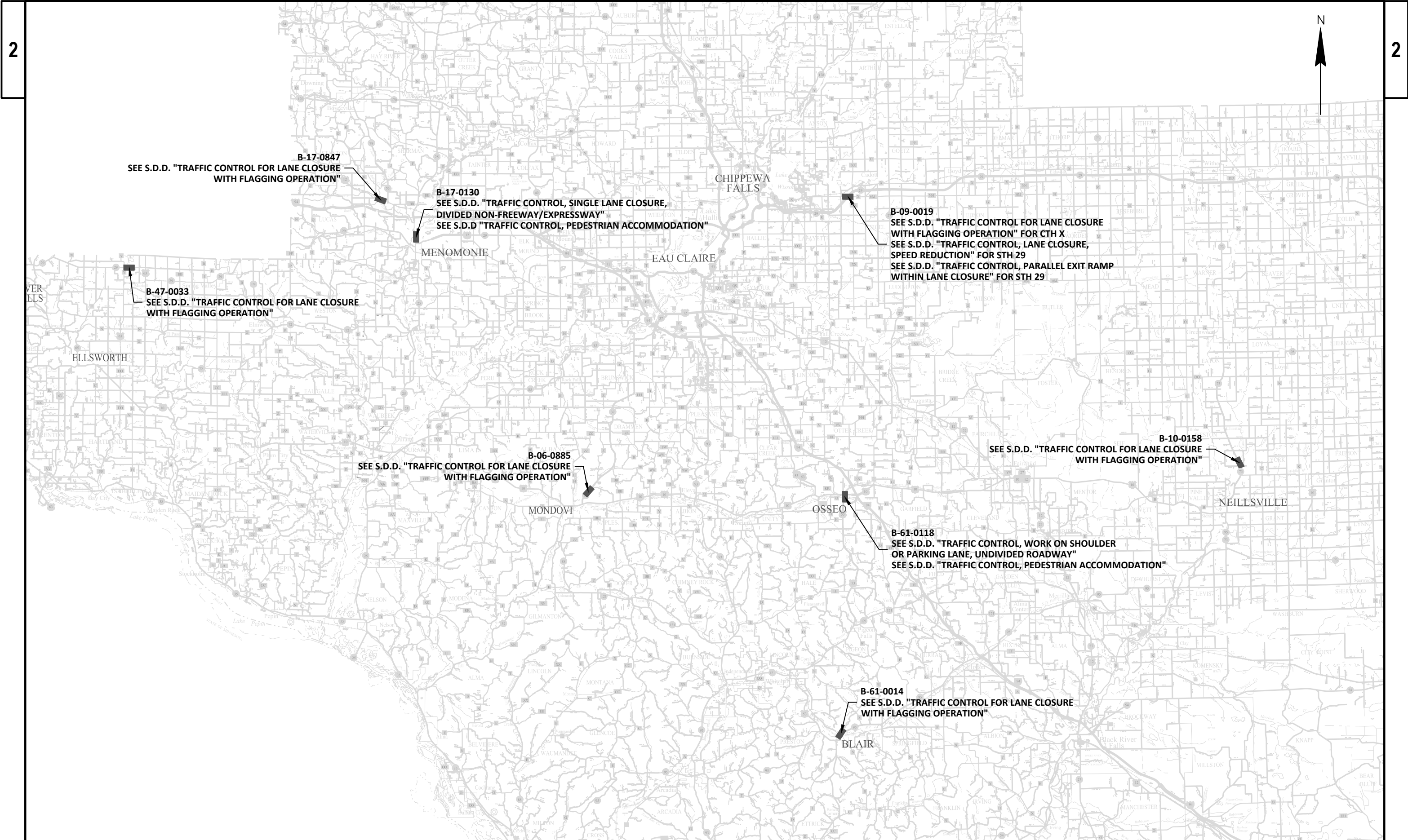




**B-61-0118**  
**ON: USH 53-HARMONY ST**  
**UNDER: SOUTH FORK BUFFALO RIVER**  
**(SEE STRUCTURE PLANS)**

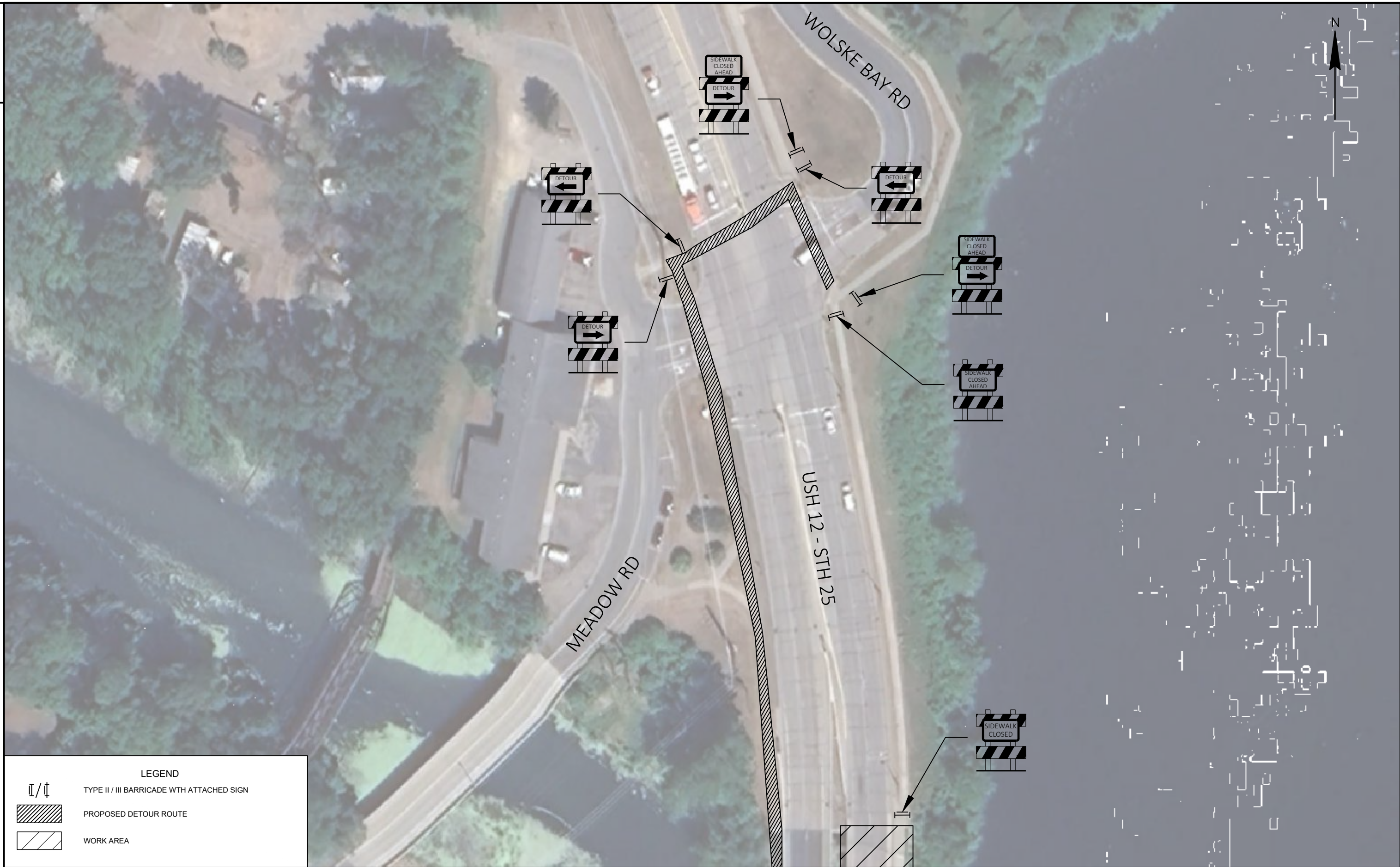
**B-61-0014**  
**ON: STH 95-SPRING RD**  
**UNDER: TREMPEALEAU RIVER**  
**(SEE STRUCTURE PLANS)**

PROJECT NO: 1000-18-88	HWY: STH 95 & USH 53	COUNTY: TREMPEALEAU	PROJECT OVERVIEW	SHEET	E
------------------------	----------------------	---------------------	------------------	-------	---





PROJECT NO: 1000-18-88	HWY: VARIOUS	COUNTY: VARIOUS	TRAFFIC CONTROL	SHEET	E
------------------------	--------------	-----------------	-----------------	-------	---

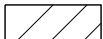




**LEGEND**

 TYPE II / III BARRICADE WTH ATTACHED SIGN

 PROPOSED DETOUR ROUTE

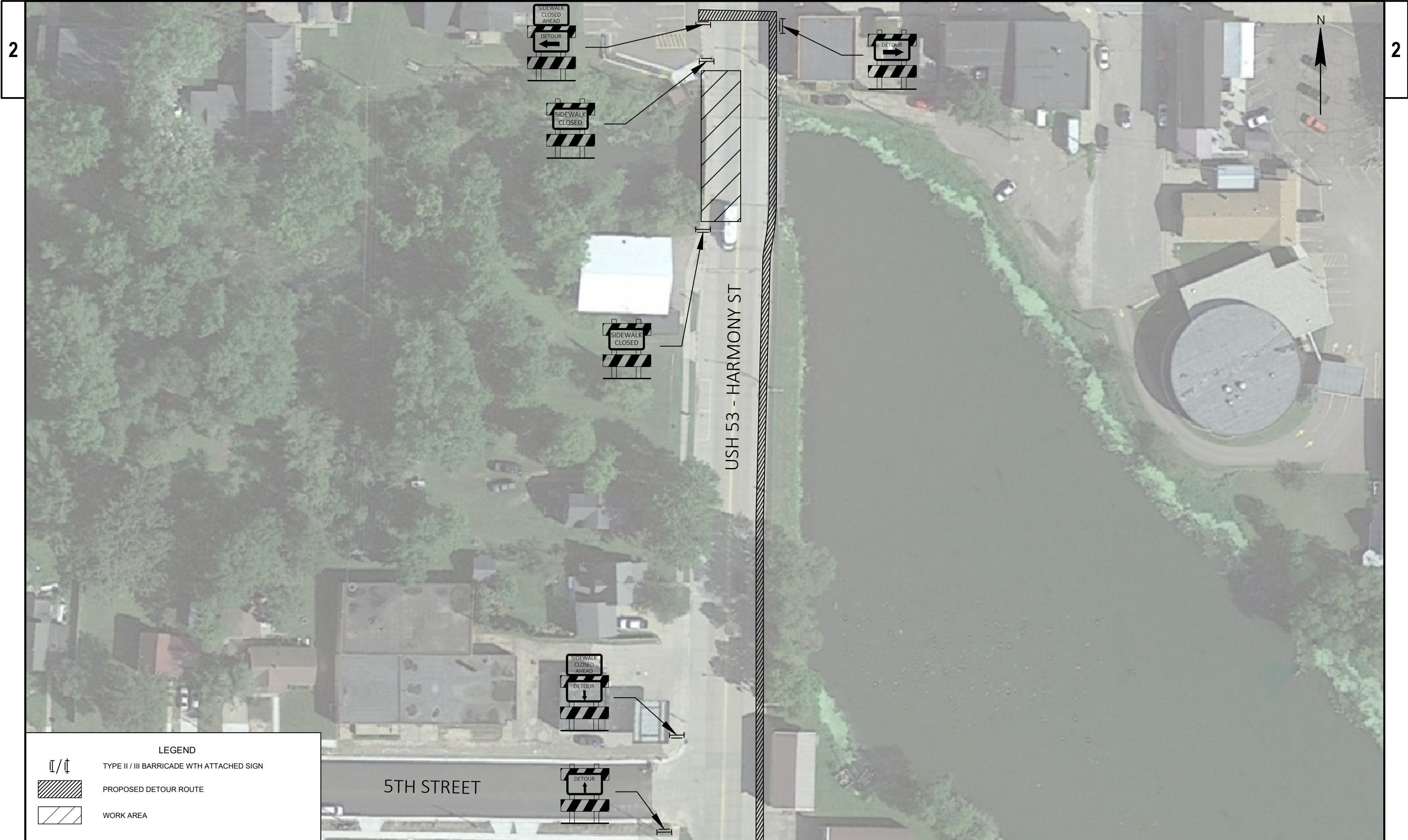
 WORK AREA





- 
- 
-











Estimate Of Quantities

1000-18-88

Line	Item	Item Description	Unit	Total	Qty
0002	517.3001.S	Structure Overcoating Cleaning and Priming (structure) 01. B-06-0885	EACH	1.000	1.000
0004	517.3001.S	Structure Overcoating Cleaning and Priming (structure) 02. B-09-0019	EACH	1.000	1.000
0006	517.3001.S	Structure Overcoating Cleaning and Priming (structure) 03. B-10-0158	EACH	1.000	1.000
0008	517.3001.S	Structure Overcoating Cleaning and Priming (structure) 04. B-17-0130	EACH	1.000	1.000
0010	517.3001.S	Structure Overcoating Cleaning and Priming (structure) 05. B-17-0847	EACH	1.000	1.000
0012	517.3001.S	Structure Overcoating Cleaning and Priming (structure) 06. B-47-0033	EACH	1.000	1.000
0014	517.3001.S	Structure Overcoating Cleaning and Priming (structure) 09. B-61-0014	EACH	1.000	1.000
0016	517.3001.S	Structure Overcoating Cleaning and Priming (structure) 10. B-61-0118	EACH	1.000	1.000
0018	517.4001.S	Containment and Collection of Waste Materials (structure) 01. B-06-0885	EACH	1.000	1.000
0020	517.4001.S	Containment and Collection of Waste Materials (structure) 02. B-09-0019	EACH	1.000	1.000
0022	517.4001.S	Containment and Collection of Waste Materials (structure) 03. B-10-0158	EACH	1.000	1.000
0024	517.4001.S	Containment and Collection of Waste Materials (structure) 04. B-17-0130	EACH	1.000	1.000
0026	517.4001.S	Containment and Collection of Waste Materials (structure) 05. B-17-0847	EACH	1.000	1.000
0028	517.4001.S	Containment and Collection of Waste Materials (structure) 06. B-47-0033	EACH	1.000	1.000
0030	517.4001.S	Containment and Collection of Waste Materials (structure) 09. B-61-0014	EACH	1.000	1.000
0032	517.4001.S	Containment and Collection of Waste Materials (structure) 10. B-61-0118	EACH	1.000	1.000
0034	517.6001.S	Portable Decontamination Facility 01. B-06-0885	EACH	1.000	1.000
0036	517.6001.S	Portable Decontamination Facility 02. B-09-0019	EACH	1.000	1.000
0038	517.6001.S	Portable Decontamination Facility 03. B-10-0158	EACH	1.000	1.000
0040	517.6001.S	Portable Decontamination Facility 04. B-17-0130	EACH	1.000	1.000
0042	517.6001.S	Portable Decontamination Facility 05. B-17-0847	EACH	1.000	1.000
0044	517.6001.S	Portable Decontamination Facility 06. B-47-0033	EACH	1.000	1.000
0046	517.6001.S	Portable Decontamination Facility 07. B-61-0014	EACH	1.000	1.000
0048	517.6001.S	Portable Decontamination Facility 08. B-61-0118	EACH	1.000	1.000
0050	619.1000	Mobilization	EACH	1.000	1.000
0052	642.5001	Field Office Type B	EACH	1.000	1.000
0054	643.0300	Traffic Control Drums	DAY	2,087.000	2,087.000
0056	643.0410	Traffic Control Barricades Type II	DAY	360.000	360.000
0058	643.0420	Traffic Control Barricades Type III	DAY	67.000	67.000
0060	643.0705	Traffic Control Warning Lights Type A	DAY	134.000	134.000
0062	643.0715	Traffic Control Warning Lights Type C	DAY	463.000	463.000
0064	643.0800	Traffic Control Arrow Boards	DAY	29.000	29.000
0066	643.0900	Traffic Control Signs	DAY	802.000	802.000
0068	643.1050	Traffic Control Signs PCMS	DAY	156.000	156.000
0070	643.5000	Traffic Control	EACH	1.000	1.000
0072	999.2005.S	Maintaining Bird Deterrent System (station) 01. B-06-0885	EACH	1.000	1.000
0074	999.2005.S	Maintaining Bird Deterrent System (station) 03. B-10-0158	EACH	1.000	1.000
0076	999.2005.S	Maintaining Bird Deterrent System (station) 05. B-17-0847	EACH	1.000	1.000
0078	999.2005.S	Maintaining Bird Deterrent System (station) 06. B-47-0033	EACH	1.000	1.000
0080	SPV.0060	Special 01. Cleaning and Painting Bearings B-06-0885	EACH	16.000	16.000
0082	SPV.0060	Special 02. Cleaning and Painting Bearings B-09-0019	EACH	8.000	8.000
0084	SPV.0060	Special 03. Cleaning and Painting Bearings B-10-0158	EACH	32.000	32.000
0086	SPV.0060	Special 04. Cleaning and Painting Bearings B-17-0130	EACH	12.000	12.000
0088	SPV.0060	Special 05. Cleaning and Painting Bearings B-17-0847	EACH	16.000	16.000
0090	SPV.0060	Special 06. Cleaning and Painting Bearings B-47-0033	EACH	20.000	20.000
0092	SPV.0060	Special 07. Cleaning and Painting Bearings B-61-0014	EACH	24.000	24.000
0094	SPV.0060	Special 08. Cleaning and Painting Bearings B-61-0118	EACH	22.000	22.000

1000-18-88

619.1000 MOBILIZATION			
CATEGORY	PROJECT	EACH	REMARKS
0010	1000-18-88	1	
	TOTAL 0010	1	

642.5001 FIELD OFFICE TYPE B			
CATEGORY	PROJECT	EACH	REMARKS
0010	1000-18-88	1	
	TOTAL 0010	1	

TRAFFIC CONTROL

		643.0300	643.0410	643.0420	643.0705	643.0715	643.0800	643.0900	643.0920	643.1050	REMARKS
		TRAFFIC CONTROL DRUMS	TRAFFIC CONTROL BARRICADES TYPE II	TRAFFIC CONTROL BARRICADES TYPE III	TRAFFIC CONTROL WARNING LIGHTS TYPE A	TRAFFIC CONTROL WARNING LIGHTS TYPE C	TRAFFIC CONTROL ARROW BOARDS	TRAFFIC CONTROL SIGNS	TRAFFIC CONTROL COVERING SIGNS TYPE II	TRAFFIC CONTROL SIGNS PCMS	
CATEGORY	BRIDGE NUMBER	DAY	DAY	DAY	DAY	DAY	DAY	DAY	EACH	DAY	
0010	B-06-0885	-	-	-	-	-	-	-		6	Flagging STH 37
0010	B-09-0019	902	-	33	66	297	11	117	1	24	Flagging CTH X; Single lane Closure on STH 29
0010	B-10-0158	-	-	-	-	-	-	-		6	Flagging STH 73
0010	B-17-0130	860	160	40	80	220	20	360		46	Single lane closure on USH 12 W - STH 25 N
0010	B-17-0847	-	-	-	-	-	-	-		6	Flagging USH 12
0010	B-47-0033	-	-	-	-	-	-	-		6	Flagging STH 29
0010	B-61-0014	-	-	-	-	-	-	-		6	Flagging STH 95 - Spring Rd
0010	B-61-0118	325	200	-	-	-	-	325		56	Shoulder/parking lane closure on USH 53 - Harmony St
		2,087	360	73	146	517	31	802	1	156	






CATEGORY	LOCATION	999.2005.S.01 MAINTAINING BIRD DETERRENT SYSTEM (STATION) (01. B-06-0885)	999.2005.S.02 MAINTAINING BIRD DETERRENT SYSTEM (STATION) (02. B-10-0158)	999.2005.S.03 MAINTAINING BIRD DETERRENT SYSTEM (STATION) (03. B-17-0847)	999.2005.S.04 MAINTAINING BIRD DETERRENT SYSTEM (STATION) (04. B-47-0033)	REMARKS
		EACH	EACH	EACH	EACH	
0020	B-06-0885	1	-	-	-	
0040	B-10-0158	-	1	-	-	
0060	B-17-0847	-	-	1	-	
0070	B-47-0033	-	-	-	1	
		1	1	1	1	



Standard Detail Drawing List

15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15D12-13B	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D15-07E	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D20-08A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-09K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

LEGEND

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

GENERAL NOTES

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

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

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

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

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

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

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

- ① FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- ② SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

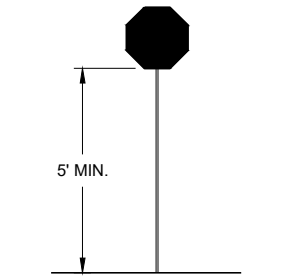
- ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

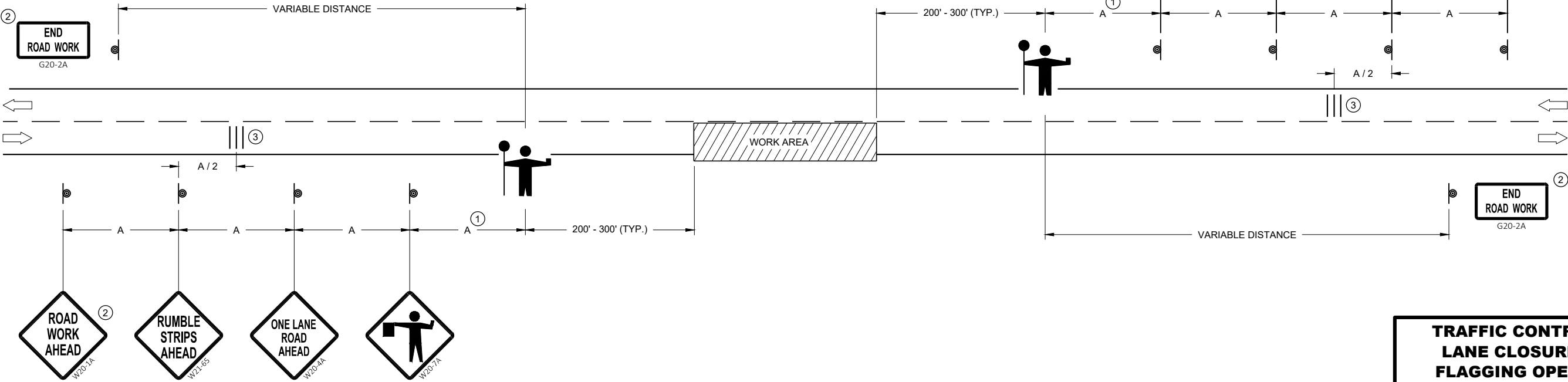
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



W03-4

USE OF W03-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
May 2022 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

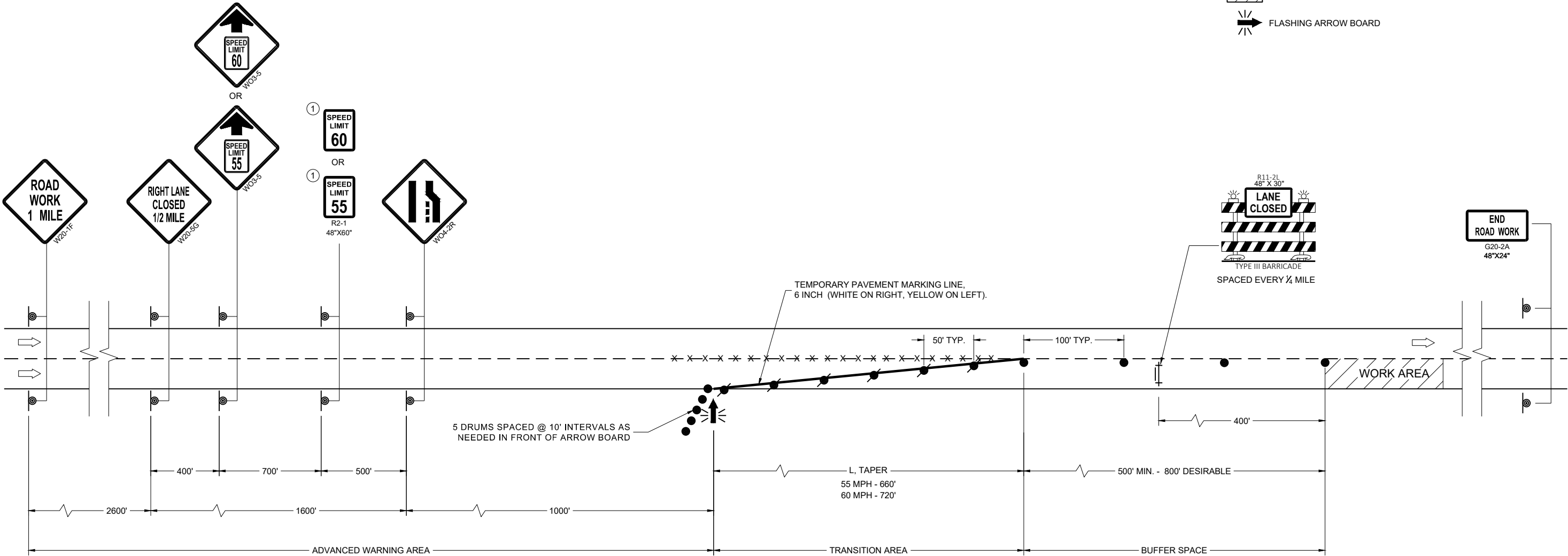
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE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

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

LEGEND

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

6



6

SDD 15D12-13b

TRAFFIC CONTROL,  
LANE CLOSURE,  
SPEED REDUCTION

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION








APPROVED  
March 2024  
DATE

/S/ Andrew Heidtke  
Work Zone Engineer

FHWA

SDD 15D12-13b

LEGEND

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

GENERAL NOTES

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

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

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

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

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

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

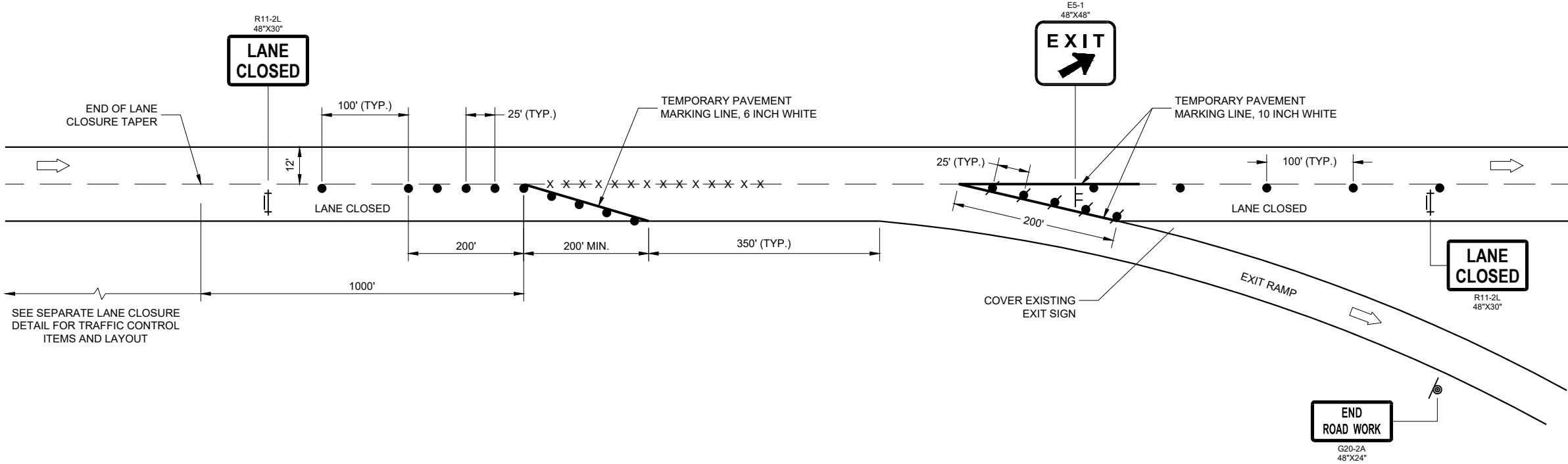
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

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

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



**TRAFFIC CONTROL,  
PARALLEL EXIT RAMP  
WITHIN LANE CLOSURE**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
May 2023  
DATE

/S/ Andrew Heidtke  
WORK ZONE ENGINEER

FHWA

LEGEND

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

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

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

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

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

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

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

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

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN

PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

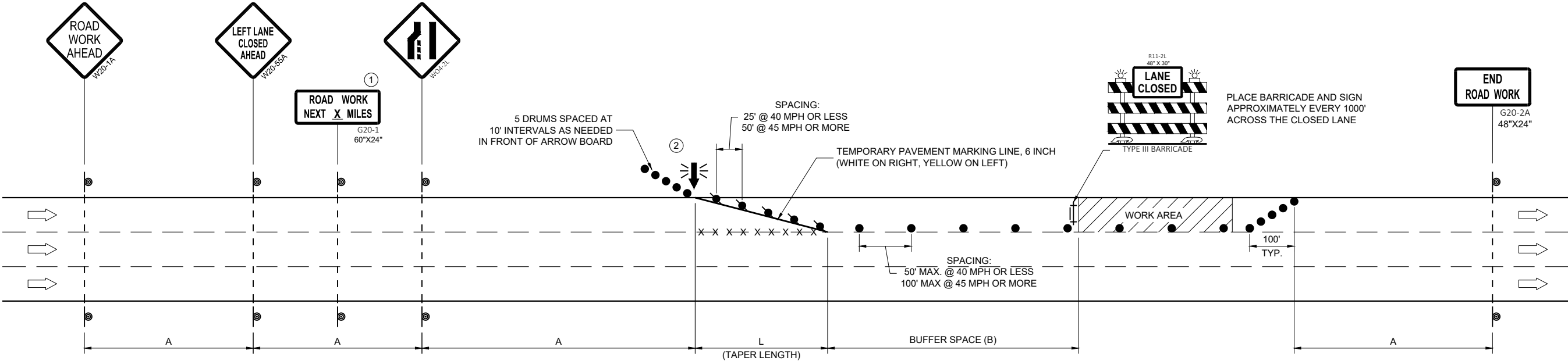
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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

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

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

- 1 OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- 2 WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'





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

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
March 2024 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL DRUM
-  DIRECTION OF TRAFFIC
-  WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

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

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

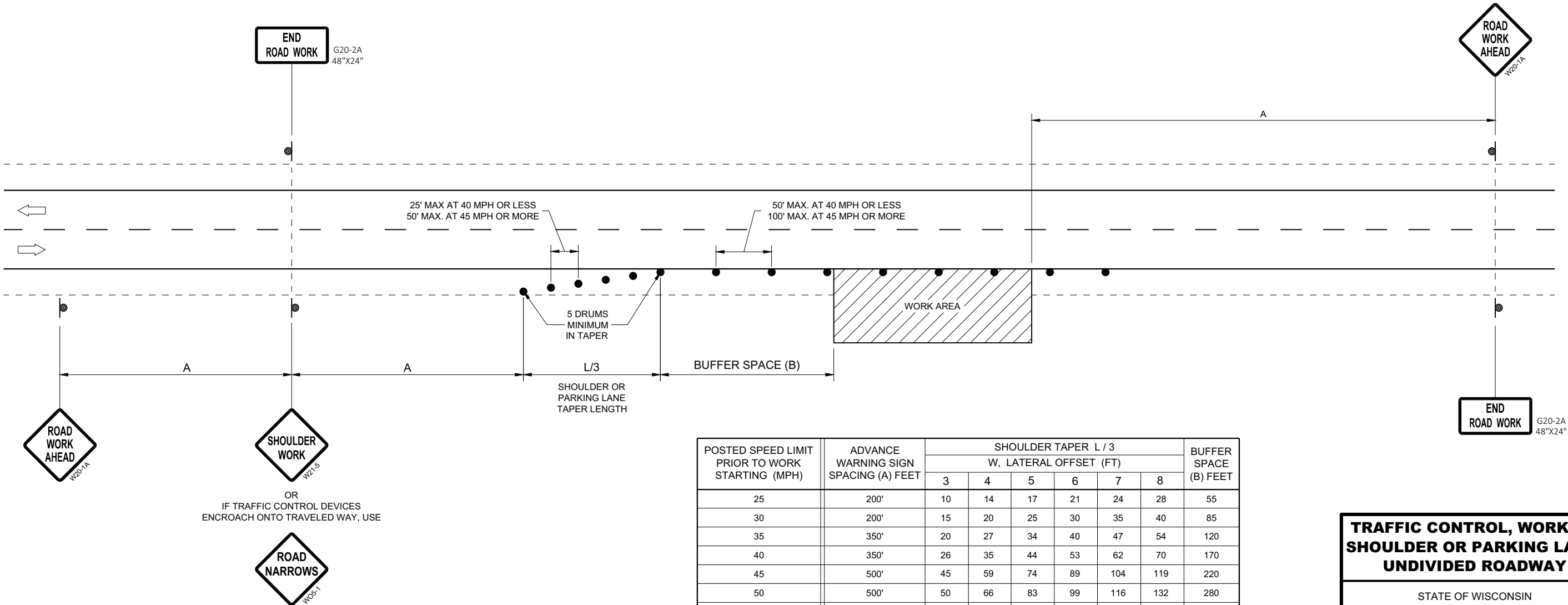
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

6

6



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON  
SHOULDER OR PARKING LANE,  
UNDIVIDED ROADWAY




STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

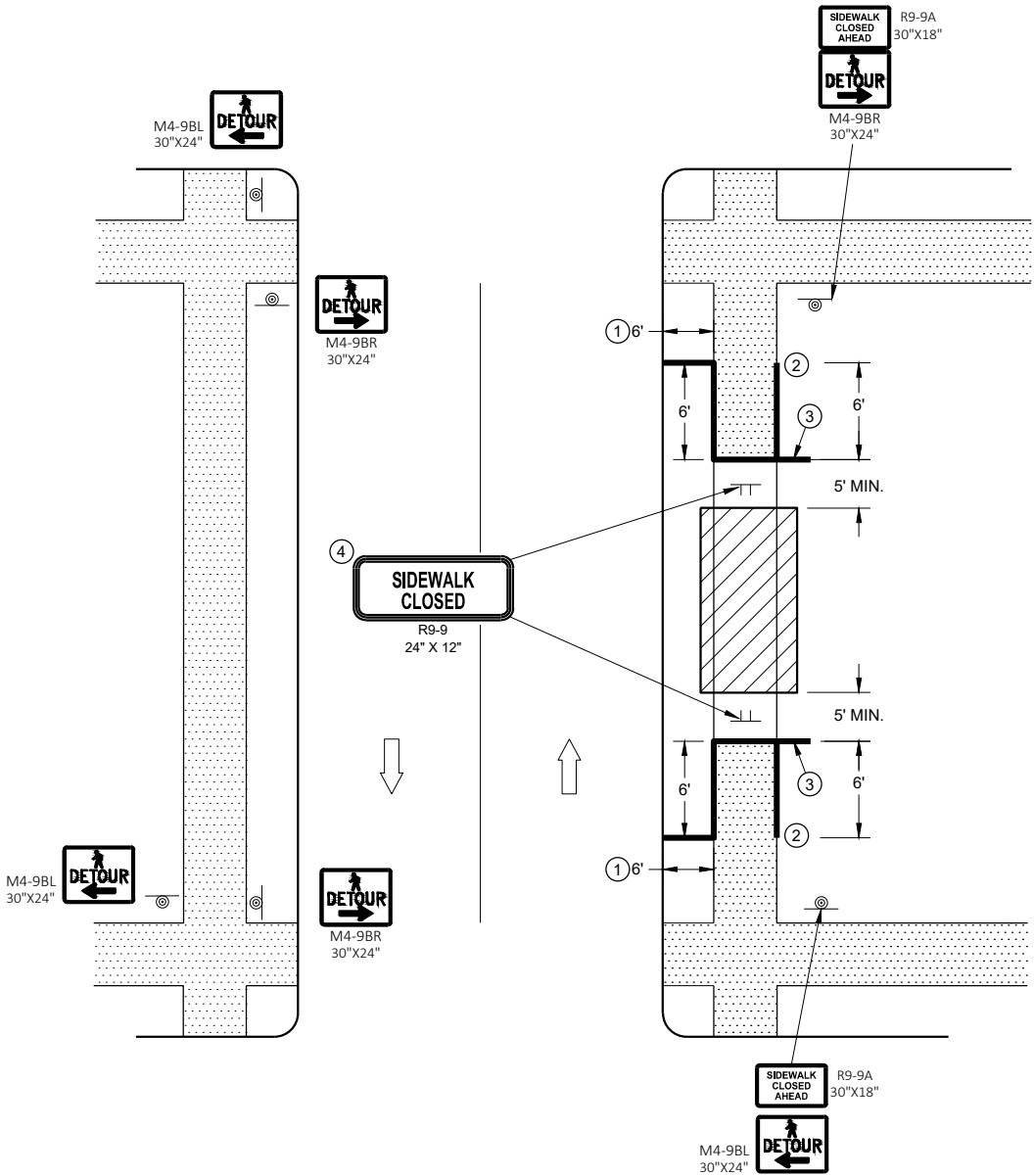
APPROVED  
May 2020  
DATE

/S/ Andrew Heidtke  
STATEWIDE WORK ZONE TRAFFIC  
SAFETY ENGINEER

FHWA

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  SIGN ON TEMPORARY SUPPORT
-  UNDER PEDESTRIAN TRAFFIC
-  WORK AREA
-  TEMPORARY PEDESTRIAN BARRICADE
-  DIRECTION OF TRAFFIC



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

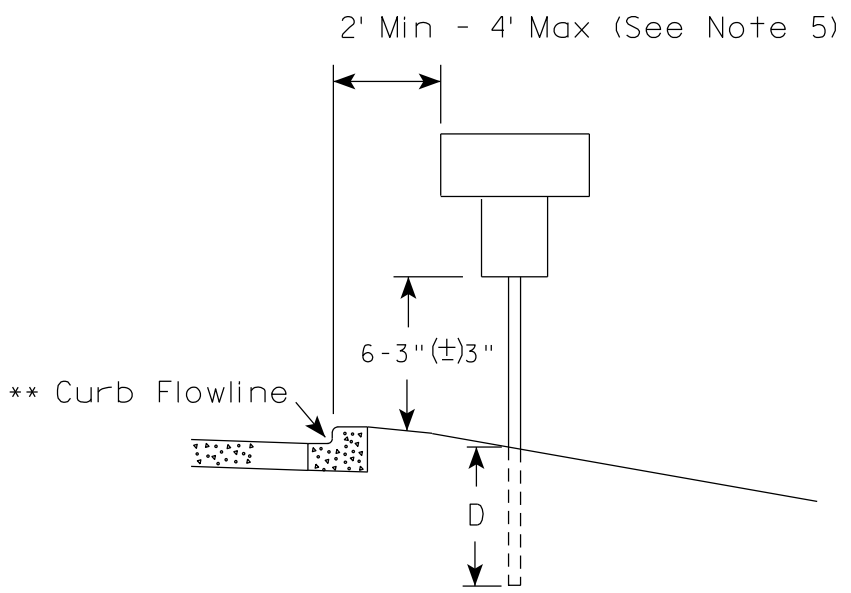
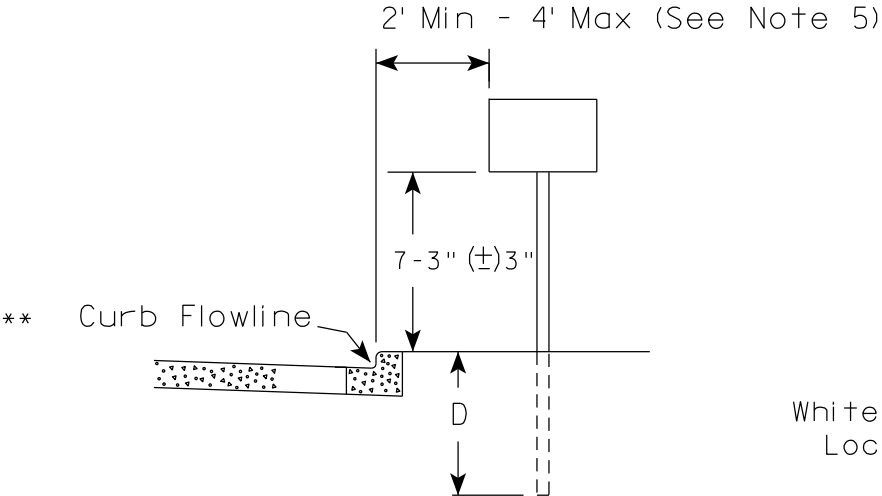
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

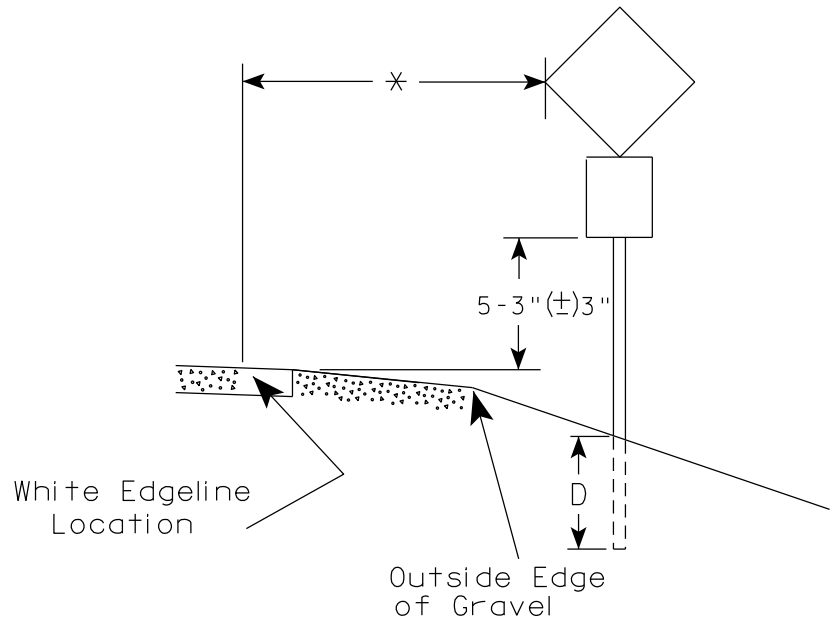
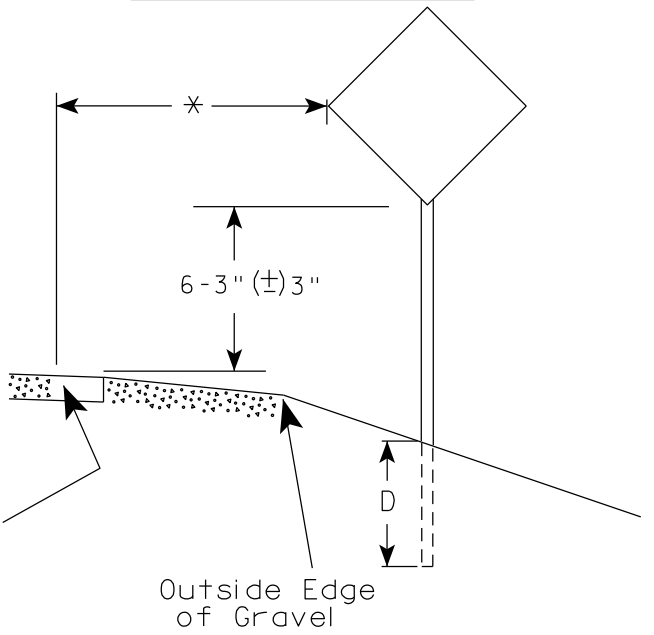
PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

- ① IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
- ② PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
- ③ IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
- ④ MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

URBAN AREA



RURAL AREA (See Note 2)



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 or behind barrier wall, see A4-10 sign plate.  
The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 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" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the Engineer.

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

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

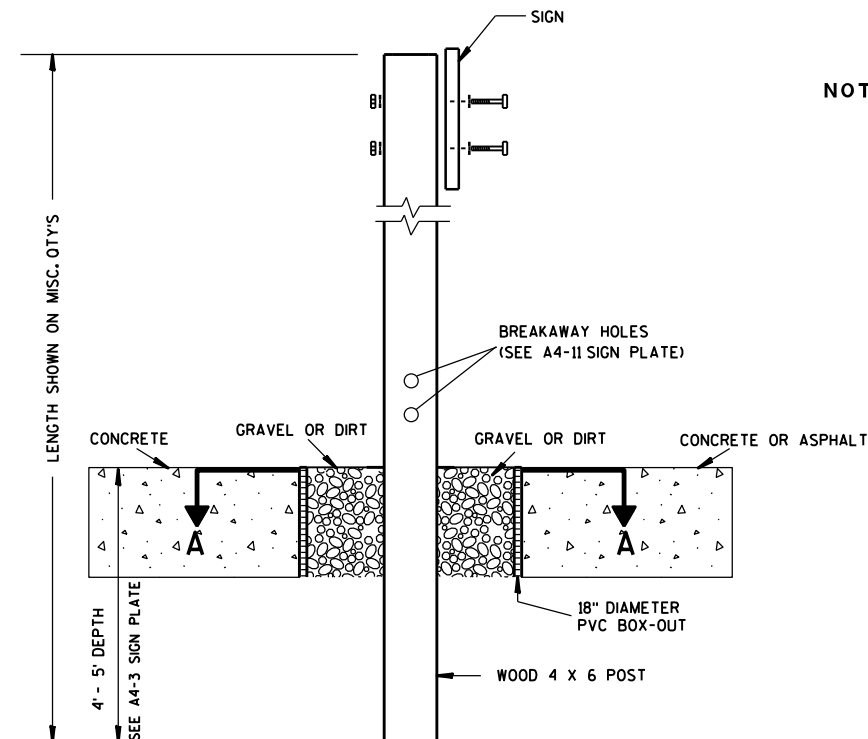
TYPICAL INSTALLATION  
OF PERMANENT TYPE II  
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

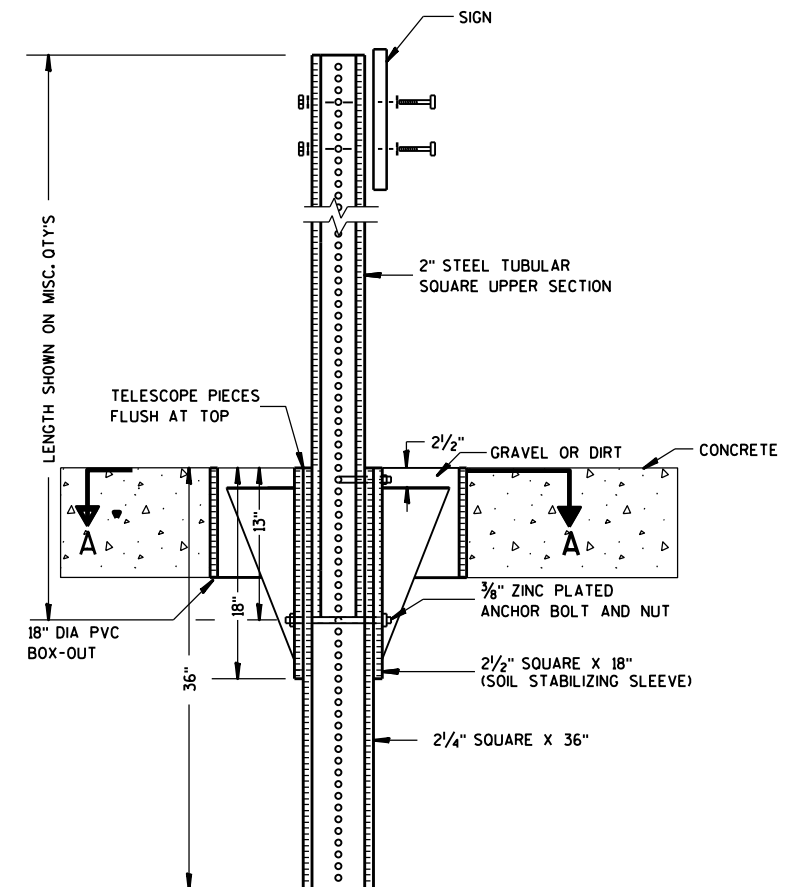




### ELEVATION VIEW

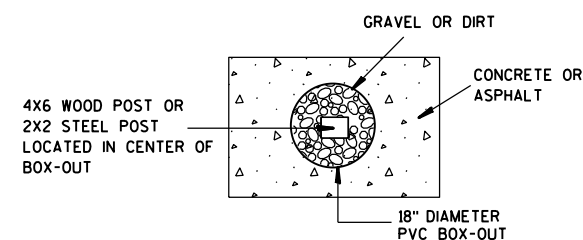
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- NOTES: 1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



### ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



### PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

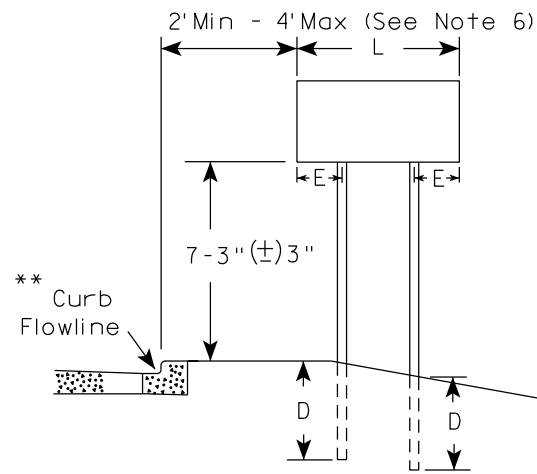
SIGN POST  
BOX-OUTS  
A4-3B

WISCONSIN DEPT OF TRANSPORTATION

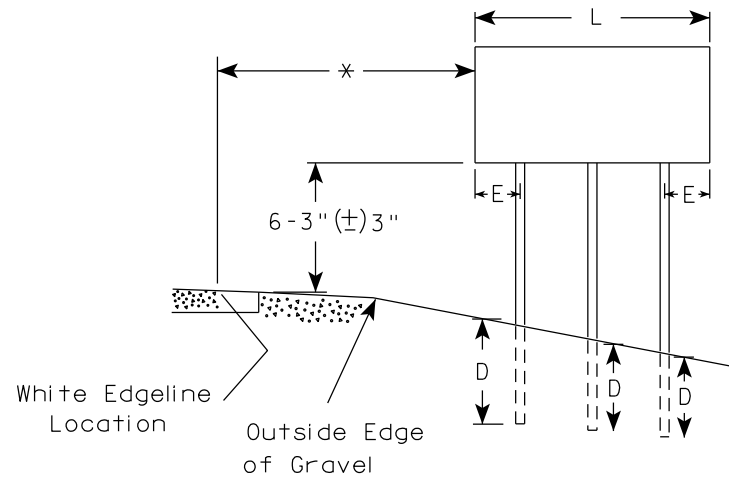
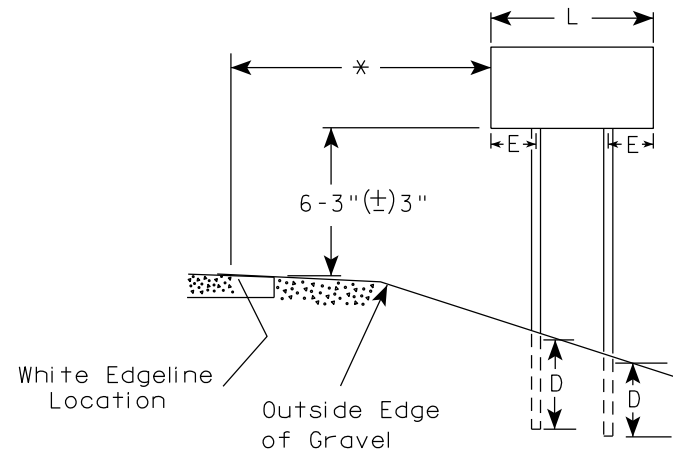
APPROVED *Matthew R. Rauch*  
for State Traffic Engineer

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

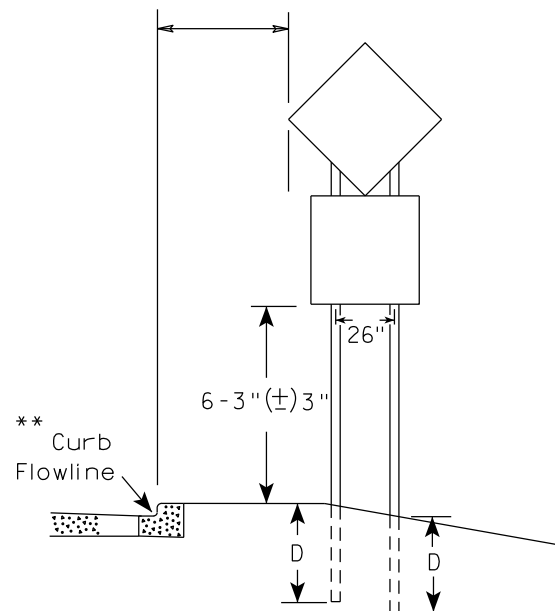
URBAN AREA



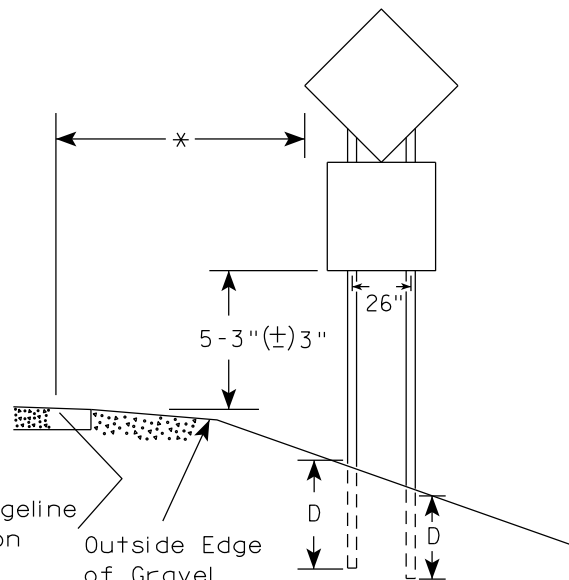
RURAL AREA (See Note 3)



2' Min - 4' Max (See Note 6)



48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".

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

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

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

\*\*\*

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

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

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION  
OF TYPE II SIGNS  
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

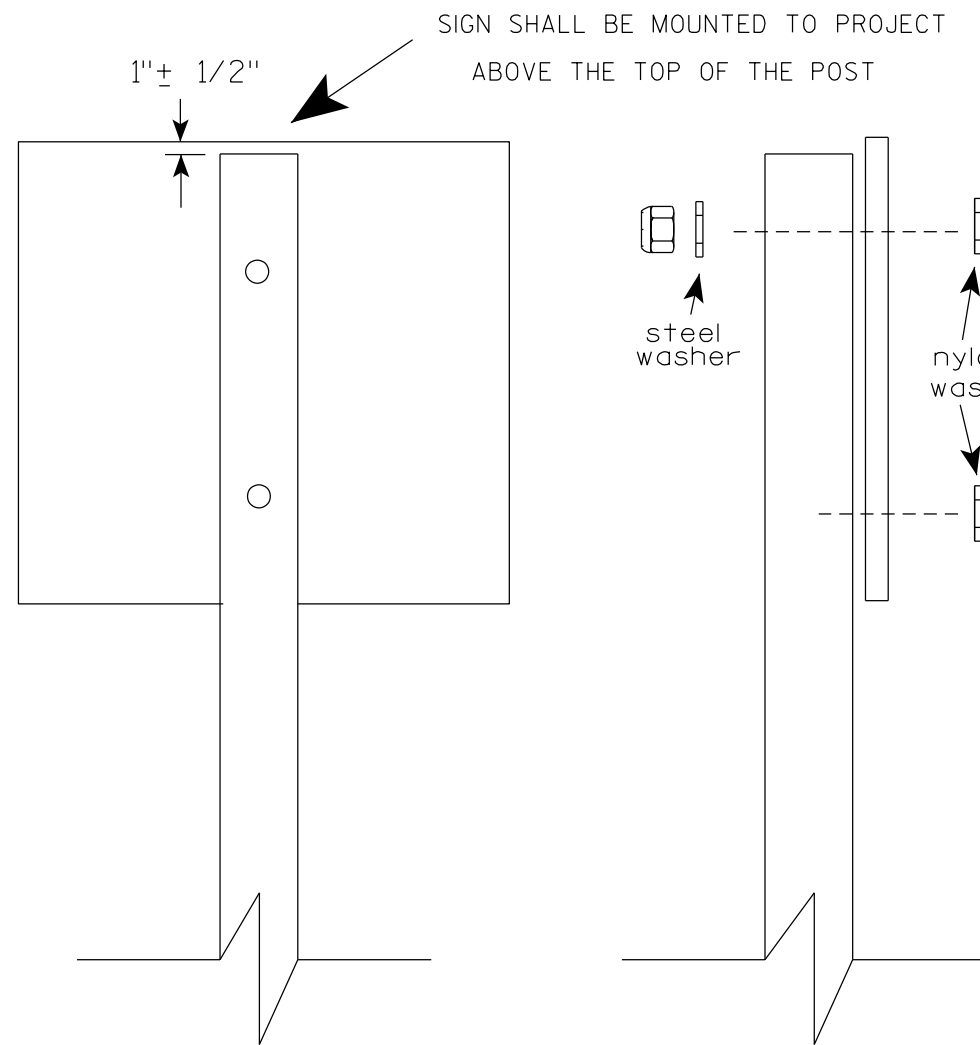
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



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

- a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
- b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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

- STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
- MACHINE BOLTS -  $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts
- WOOD POSTS (4" x 6")
- LAG SCREWS -  $\frac{3}{8}$ " X 3" (NO STRINGERS ON BACK OF SIGN)  
 $\frac{3}{8}$ " X 4" (STRINGERS ON BACK OF SIGN)
- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS -  $\frac{3}{8}$ " X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)  
 $\frac{3}{8}$ " X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
- RIVETS -  $\frac{9}{32}$ " (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  $\frac{3}{8}$ " I.D. X  $\frac{1}{16}$ " STEEL
  - 1-1/4" O.D. X  $\frac{3}{8}$ " 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	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 4/1/2020	PLATE NO. A4-8.9

**2 1/4" SQUARE  
12 GAUGE  
PERFORATED  
GALVANIZED FINISH**

4" x 10" x 10 GA. ———→  
STEEL PLATE (CUT  
AS SHOWN) WELDED  
TO ALL FOUR CORNERS  
OF TELESPAR TUBE

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

2 1/2" TELES PAR TUBE

4" x 10" x 10 GA. STEEL PLATE (CUT AS SHOWN) WELDED TO ALL FOUR CORNERS OF TELES PAR TUBE

4"

2 1/2"

10"

3 1/2"

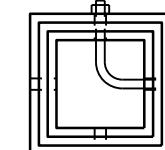
16"

[illegible]

TECHNICAL DRAWING OF A SIGNPOST ASSEMBLY:

- Dimensions:**
  - Overall height: LENGTH SHOWN ON MISC. Q'TYS
  - Section A-A: 36" (total), 18" (upper), 12" (lower)
  - Section B-B: 1"
- Components:**
  - SIGN
  - SEE SIGN PLATE A4-8 FOR BOLT WASHER, & NUT MATERIAL
  - 2" STEEL TUBULAR SQUARE UPPER SECTION
  - ALL HOLES  $\frac{7}{16}$ " SPACED 1" C-C
  - ALL FOUR SIDES
  - $\frac{3}{8}$ " ZINC PLATED CORNER ANCHOR BOLT AND NUT
  - $\frac{3}{8}$ " ZINC PLATED ANCHOR BOLT AND NUT
  - 2 1/2" SQUARE X 18" (SOIL STABILIZING SLEEVE)
  - 2 1/4" SQUARE X 36"
  - TELESCOPE PIECES FLUSH AT TOP

3/8" ZINC PLATED CORNER  
ANCHOR BOLT AND NUT



DIRECTION  
OF TRAFFIC

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 NO. A4-9.9

PROJECT NO:

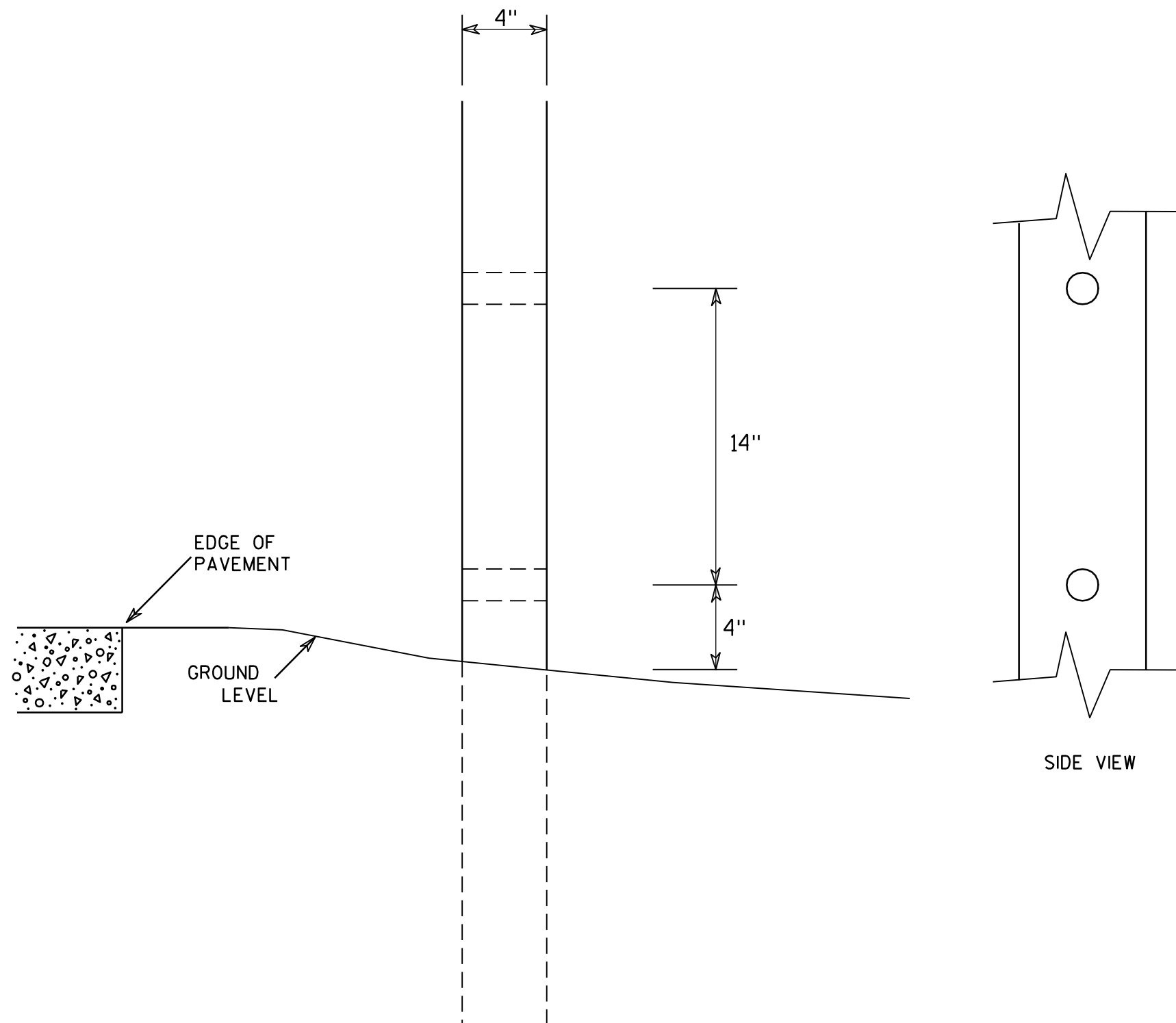
HWY:

COUNTY:

SHEET NO:

**T**

7



### GENERAL NOTES

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

7

### 4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

*Chester J. Spang*  
for State Traffic Engineer

DATE 3/27/97

PLATE NO. A4-11.2

PROJECT NO:

HWY:

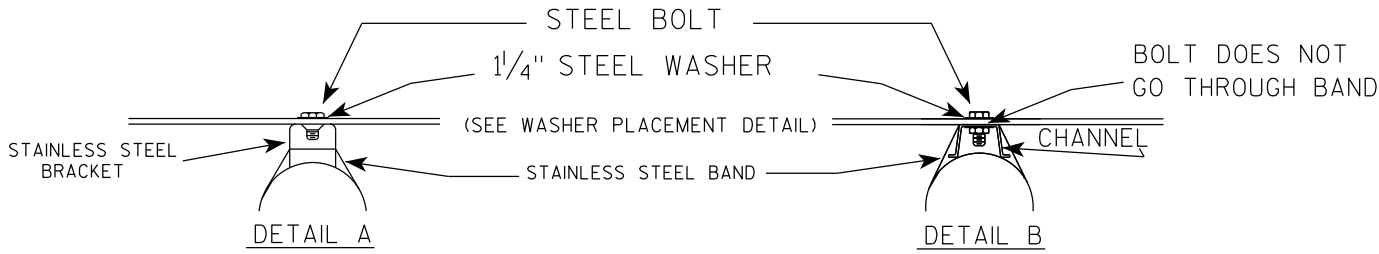
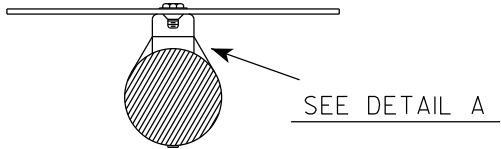
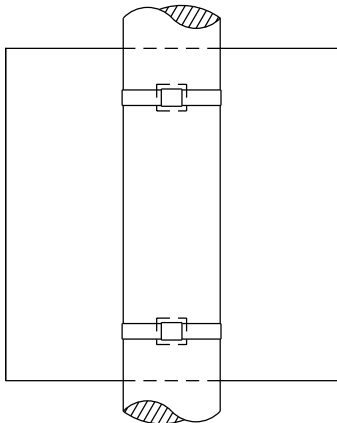
COUNTY:

SHEET NO:

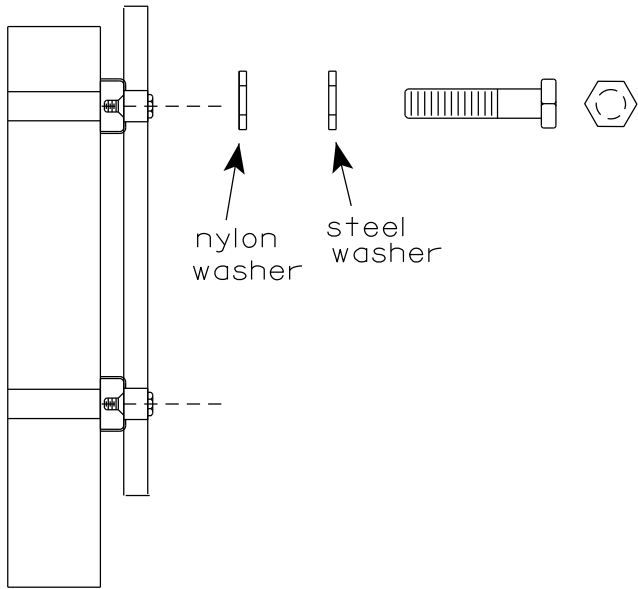
E

BANDING

SINGLE SIGN



WASHER PLACEMENT

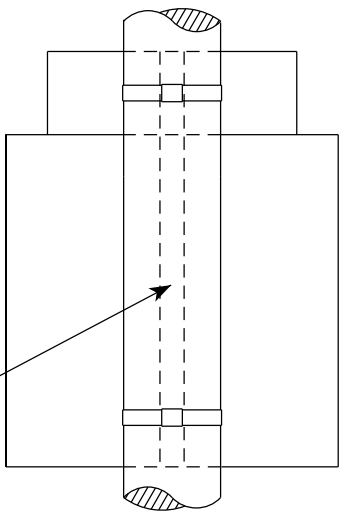


WASHERS (ALL POSTS) -  
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL  
1-1/4" O.D. X 3/8" I.D. X .080 NYLON  
FOR ALL TYPE H SIGNS

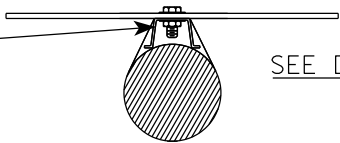
GENERAL NOTES

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

"J" ASSEMBLY



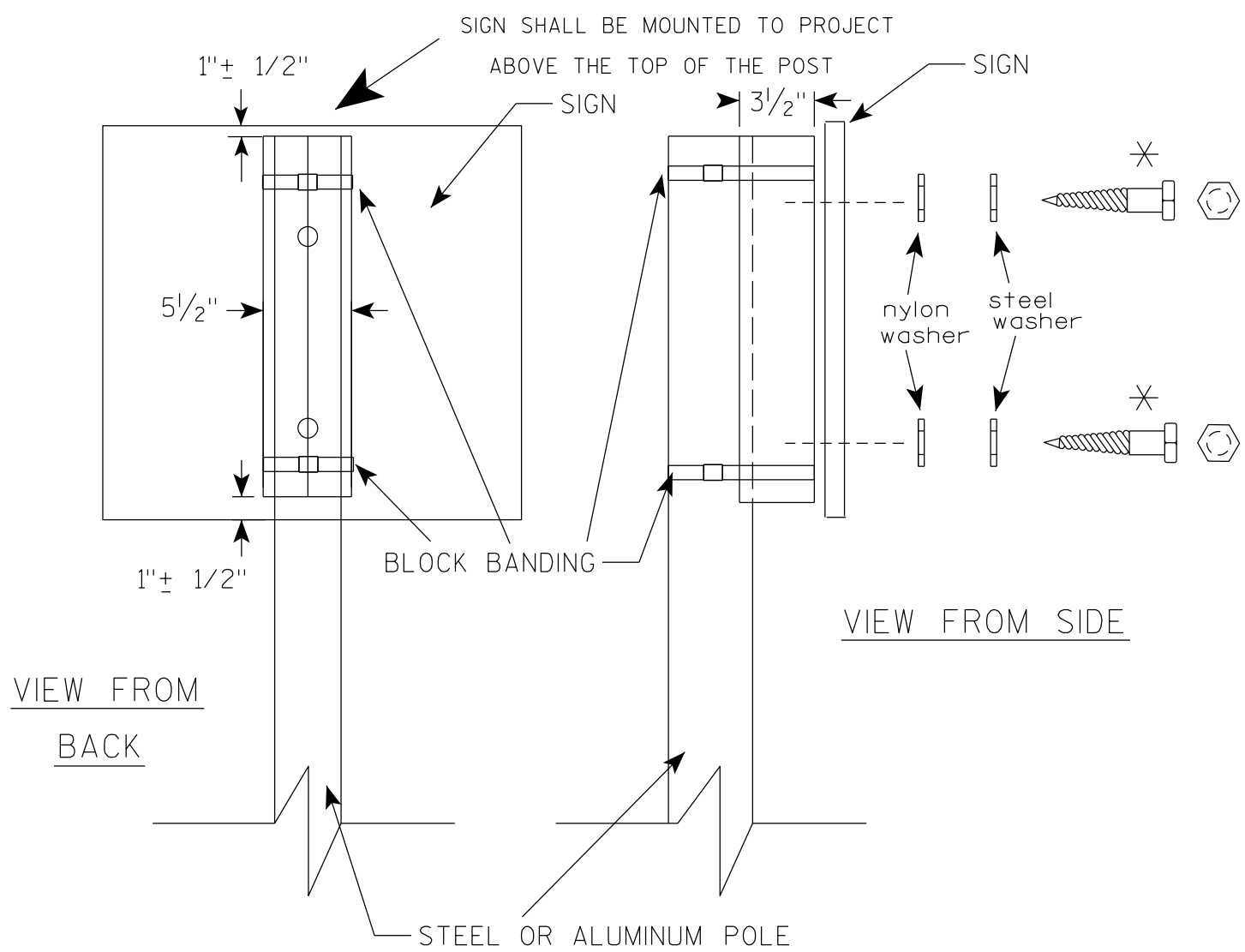
CHANNEL  
SEE TYPICAL PANEL  
INSTALLATION SHEET



STANDARD SIGN  
SIGN BANDING DETAILS

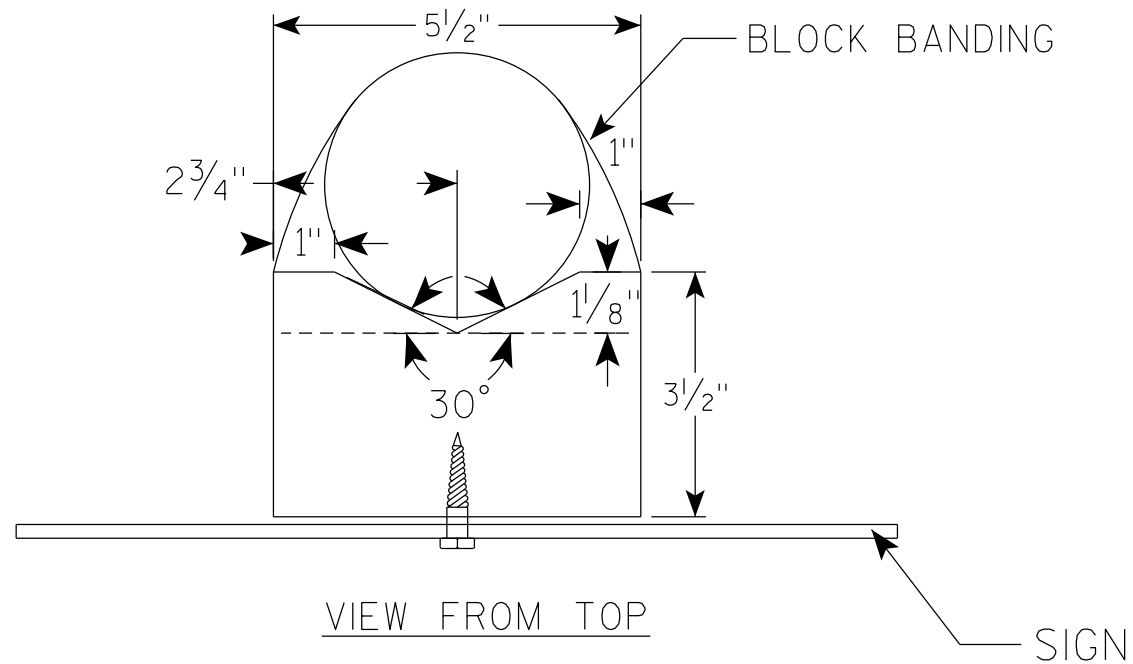
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
for State Traffic Engineer  
DATE 6/10/19 PLATE NO. A5-9.4



VIEW FROM  
BACK

VIEW FROM SIDE



VIEW FROM TOP

## GENERAL NOTES

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

✱ LAG BOLTS SHALL BE  $\frac{3}{8}$ " X  $2\frac{1}{2}$ "

BLOCK BANDING DETAIL  
( V-BLOCK OPTION )

WISCONSIN DEPT OF TRANSPORTATION

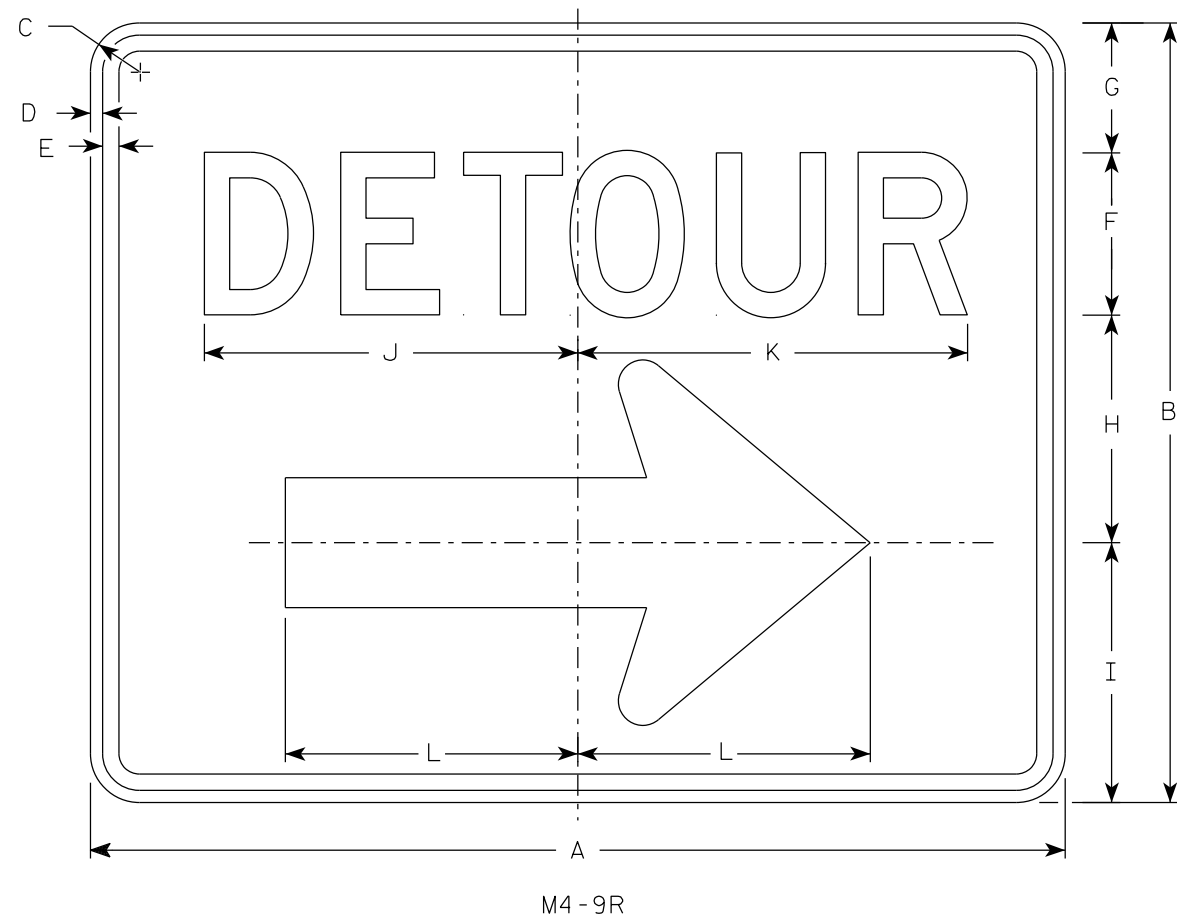
APPROVED *Matthew R. Rauch*  
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

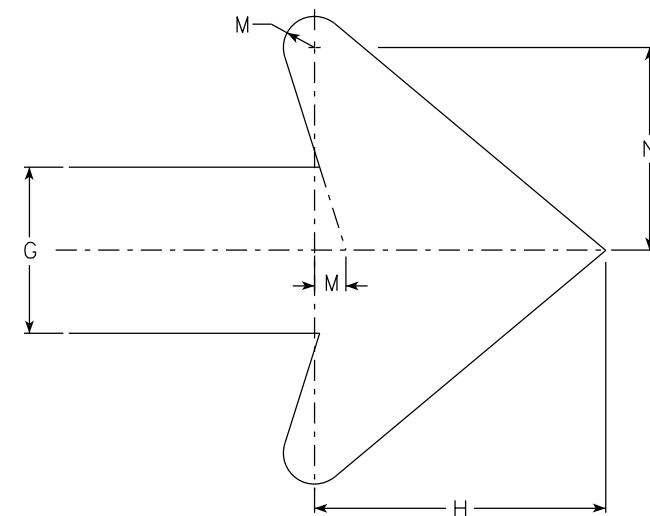
PROJECT NO:

SHEET NO:

E



- NOTES
1. Sign is Type II - Type F Reflective
  2. Color:  
Background - Orange  
Message - Black
  3. Message Series - D
  4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
  4. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
2M	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

STANDARD SIGN  
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

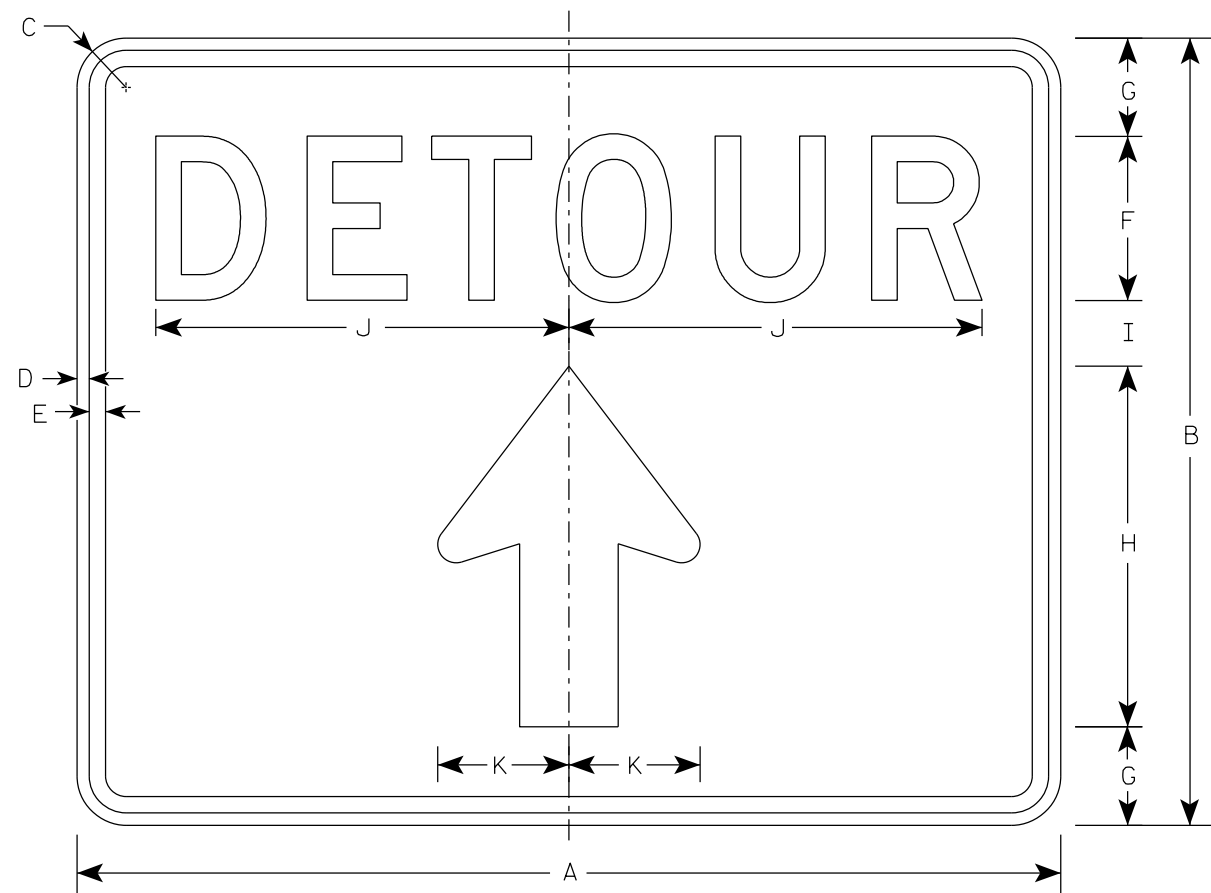
APPROVED *Matthew R. Rauch*  
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9R.6

PROJECT NO: HWY: COUNTY: SHEET NO: **E**



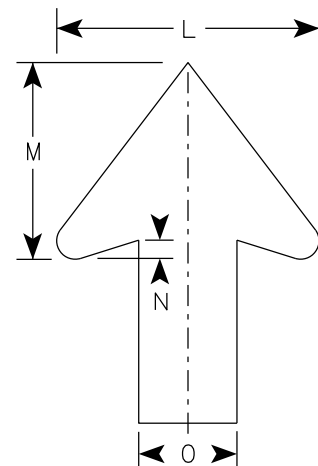
7



M4 - 9RA

NOTES

1. Sign is Type II-Type F Reflective
2. Color:  
Background - Orange  
Message - Black
3. Message Series - D



Arrow Detail

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	5	3	11	2	12 5/8	4	8	6	1/2	3												5.00
2M	30	24	1 1/2	3/8	1/2	5	3	11	2	12 5/8	4	8	6	1/2	3												5.00
3																											
4																											
5																											

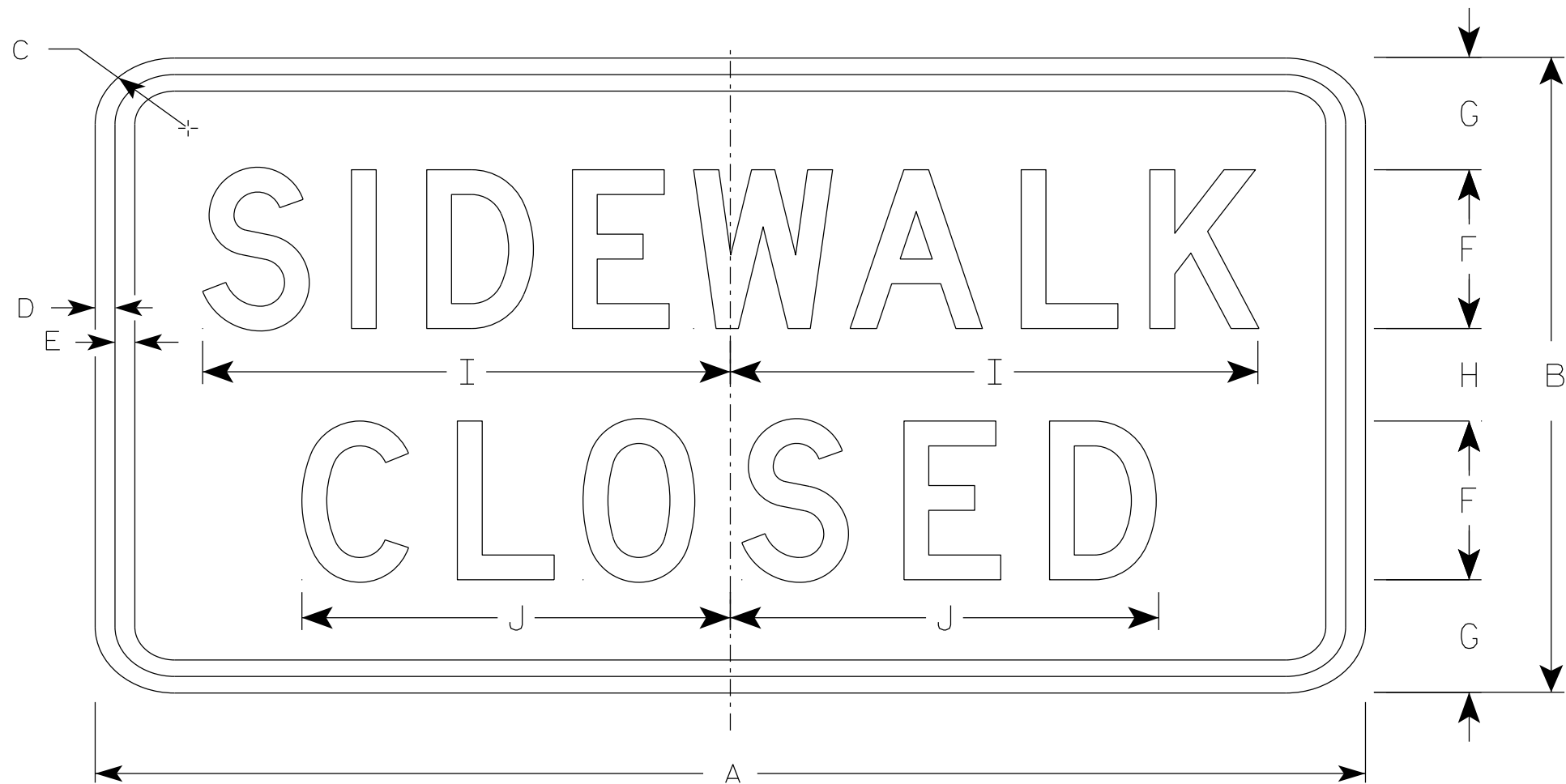
STANDARD SIGN  
M4-9RA

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9RA.3

7



R9-9

NOTES

- 1. Sign is Type II - Type H Reflective
- 2. Color:
  - Background - White
  - Message - Black
- 3. Message Series - C
- 4. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 1/2	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 1/2	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

STANDARD SIGN

R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*

For State Traffic Engineer

DATE 1/24/24

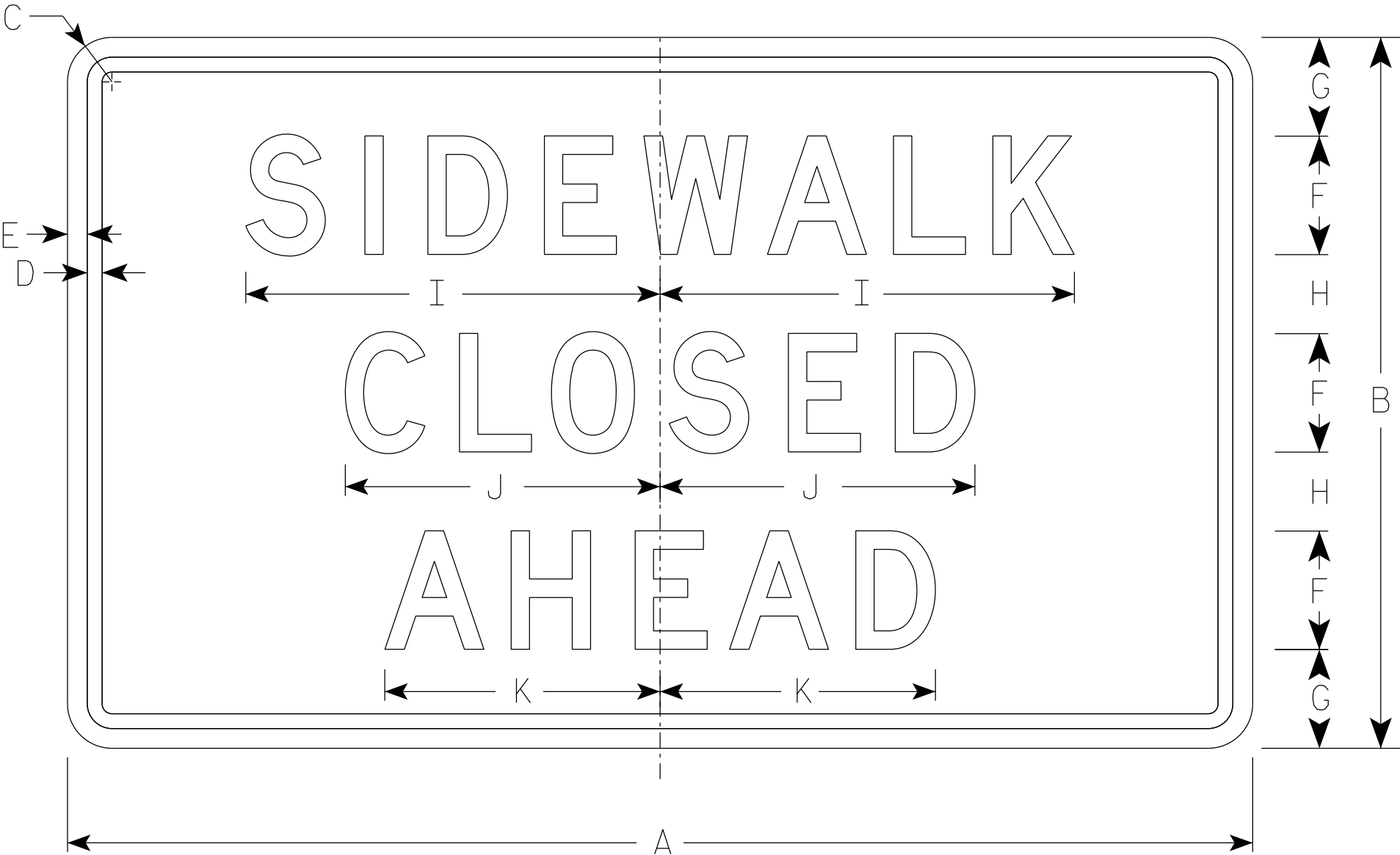
PLATE NO. R9-9.7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:

Background - White

Message - Black
3. Message Series - D



R9-9A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
2M	30	18	1 1/2	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
3																											
4																											
5																											

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

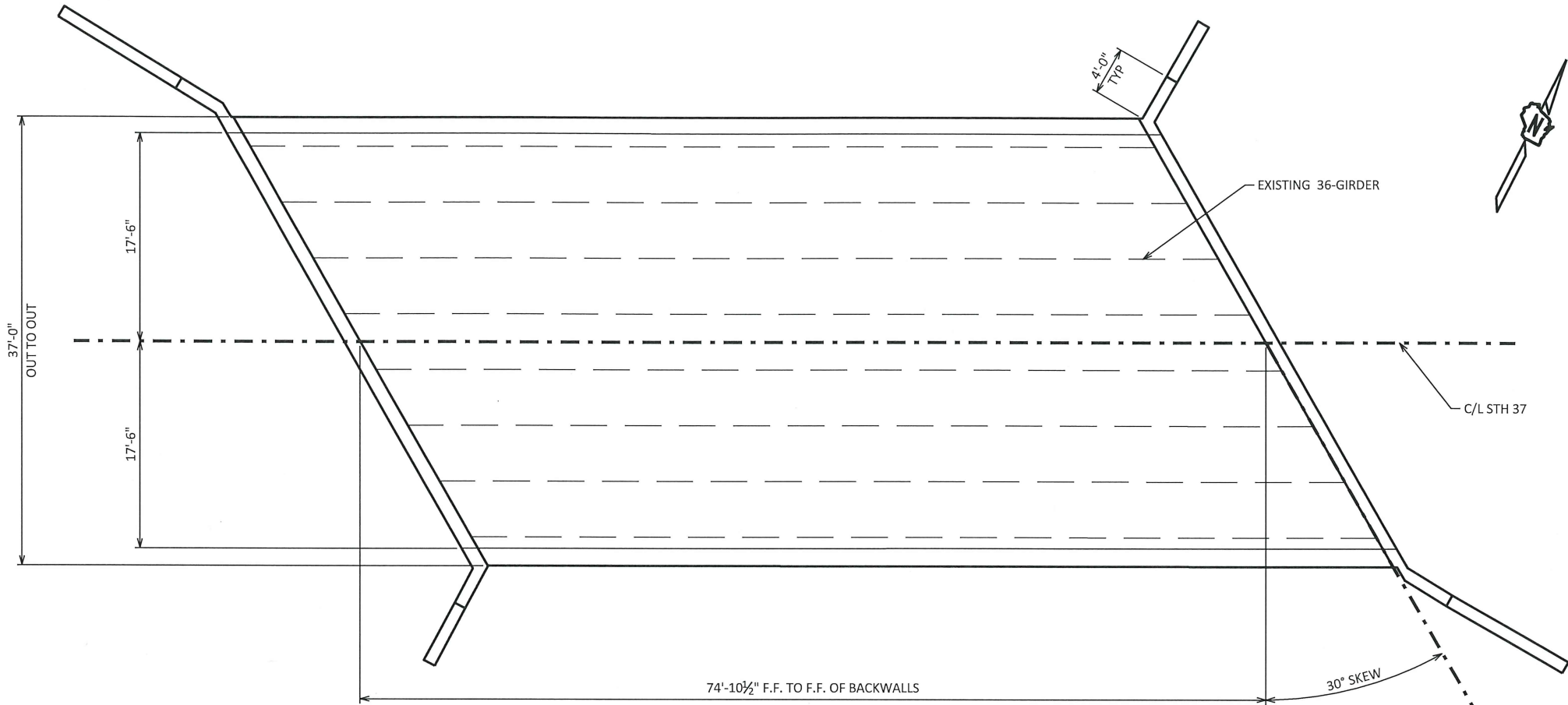
E

DESIGN DATA

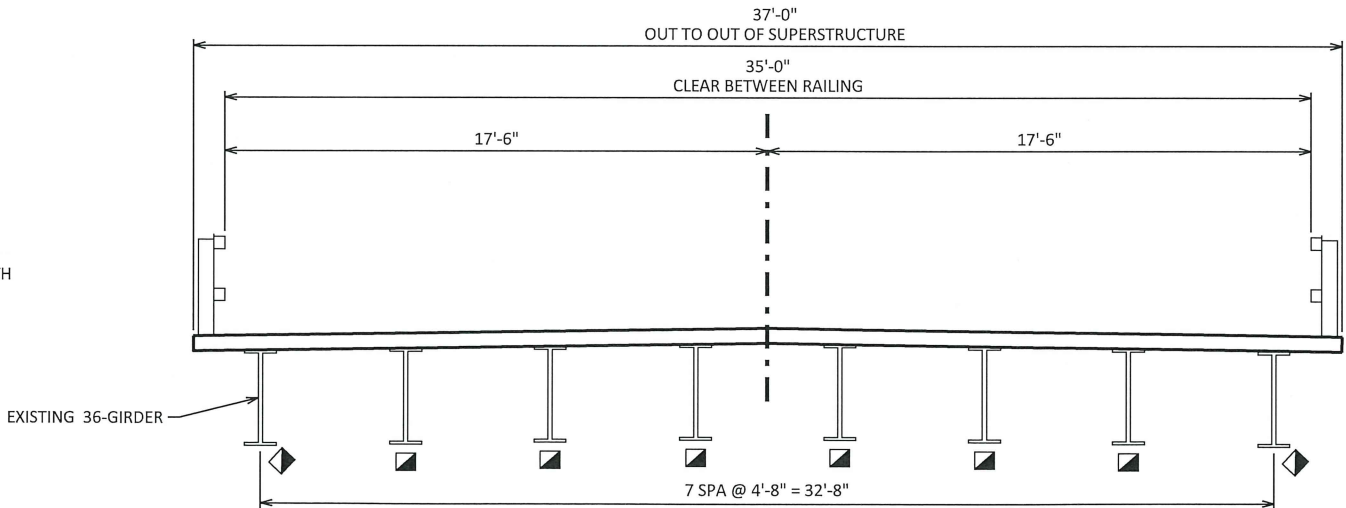
LIVE LOAD:  
INVENTORY RATING: HS = 16  
OPERATING RATING: HS = 26  
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 210 (KIPS)  
LOAD RATING INFORMATION FROM HSI DATED 2/18/2022

TRAFFIC VOLUME

FEATURE ON: (STH 37)  
ADT = 4,000 (2018)  
ADT = 5,070 (2044)  
R.D.S. = 60 MPH



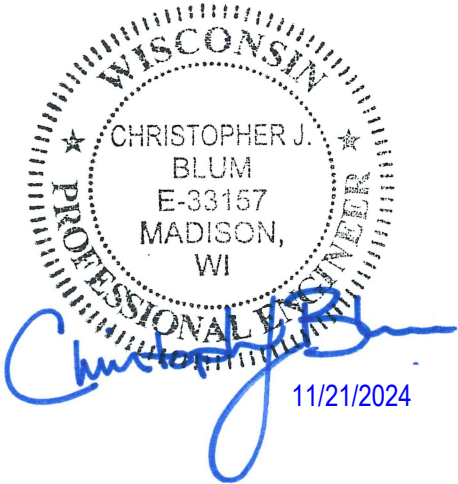
PLAN VIEW  
(PAINTING - SINGLE-SPAN, STEEL GIRDER BRIDGE)



SECTION THRU ROADWAY

LEGEND:

- CLEAN AND PAINT EXISTING INTERIOR GIRDERS & EXPOSED STEEL WITHIN 10'-0" OF THE ENDS OF THE GIRDERS (BOTH ABUTMENTS).
- CLEAN AND PAINT EXISTING EXTERIOR GIRDERS FULL LENGTH OF BRIDGE.
- BEARINGS ARE TO BE CLEANED AND PAINTED AT ALL LOCATIONS WHERE STEEL GIRDERS REQUIRE PAINTING.



LIST OF DRAWINGS

- SUPERSTRUCTURE PAINTING
- GENERAL NOTES & QUANTITIES

STRUCTURE DESIGN CONTACTS:  
MATT GUNDRY (715)382-0356  
AARON BONK, WISDOT BUREAU OF STRUCTURES (608)261-0261

NO.	DATE	REVISION	BY
<div>SEH SHORT ELLIOTT HENDRICKSON INC.</div> <div>STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION</div> <div>ACCEPTED  SDR 11/21/24 CHIEF STRUCTURES DESIGN ENGINEER DATE</div> <div>STRUCTURE B-6-885</div> <div>STH 37 OVER PESSO CREEK</div> <div>COUNTY BUFFALO TOWN NAPLES</div> <div>DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATION</div> <div>DESIGNED BY MJG CK'D CJB DRAWN BY DMS CK'D MJG</div> <div>SUPERSTRUCTURE PAINTING</div> <div>SHEET 1 OF 2</div>			

I.D. DATE:

## GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE COLOR OF THE FINISH EPOXY TOP COAT SHALL BE BLUE (AMS STANDARD COLOR NUMBER 25240)

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL  
STRUCTURE PLANS.

FIELD ENGINEER SHALL VERIFY AREAS OF CLEANING AND PAINTING PRIOR TO ANY WORK BEING PERFORMED.

RECOMMENDED PAINT COLORS AND AMS STANDARD  
COLOR NUMBERS FOR STEEL GIRDERS IN WISCONSIN  
SHALL BE IN ACCORDANCE WITH AMS STANDARD  
595A AND ARE: BLUE #25240

SEE ROADWAY PLANS FOR TRAFFIC CONTROL AND STAGING.



**ELEVATION VIEW - FOR INFORMATION ONLY**

(INSPECTION REPORT COVER PHOTO - MAY 19, 2022)

[illegible]

NO.	DATE	REVISION			BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION <b>STRUCTURES DESIGN SECTION</b>					
<b>STRUCTURE</b>		<b>B-6-885</b>			
		DRAWN BY	DMS	PLANS CK'D	MJG
<b>GENERAL NOTES &amp; QUANTITIES</b>			SHEET 2 OF 2		



## DESIGN DATA

## LIVE LOAD:

INVENTORY RATING: HS = 17  
OPERATING RATING: HS = 28  
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 230 (KIPS)  
LOAD RATING INFORMATION FROM HSI DATED 12/30/2022

## TRAFFIC VOLUME

## FEATURE ON: (CTH X)

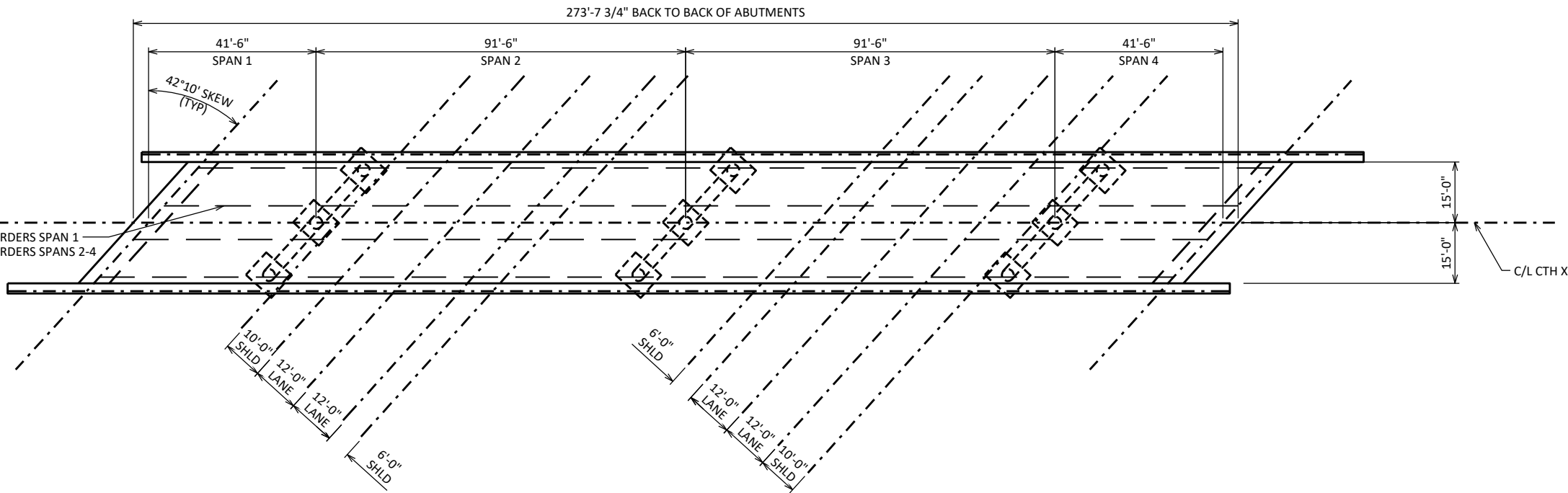
ADT = 2,800 (2022)  
ADT = 4,330 (2044)  
R.D.S. = 60 MPH

## FEATURE UNDER: (STH 29)

ADT = 18,200 (2022)  
ADT = 22,540 (2044)  
R.D.S. = 70 MPH

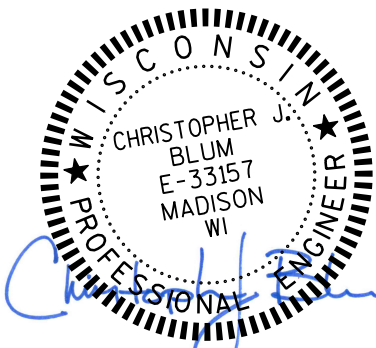
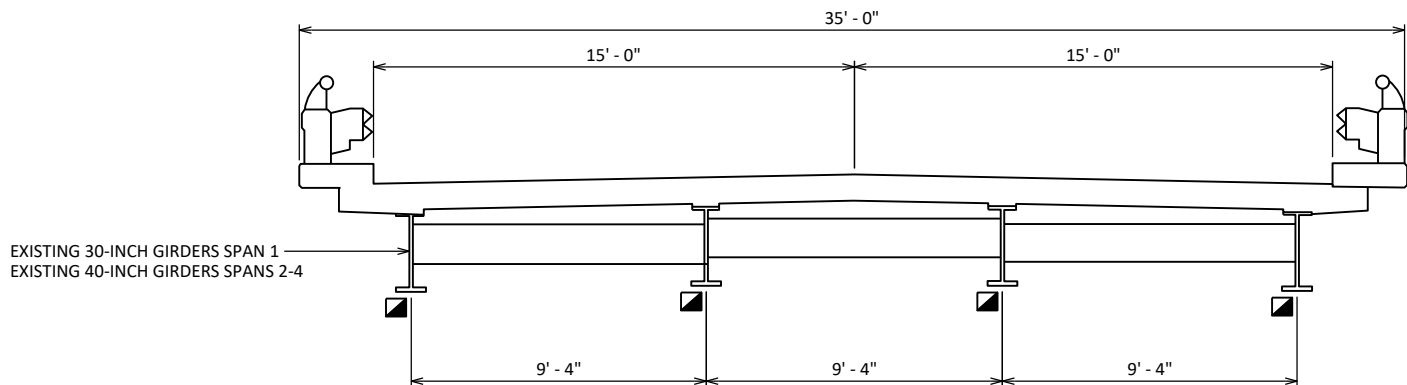
## PLAN VIEW

(PAINTING - FOUR-SPAN STEEL GIRDER BRIDGE)



## CROSS SECTION THRU ROADWAY


(LOOKING EAST)



11/21/2024

## STRUCTURE DESIGN CONTACTS:

MATT GUNDRY (715)382-0356  
AARON BONK, WISDOT BUREAU OF STRUCTURES (608)261-0261

NO.	DATE	REVISION	BY
 SHORT ELLIOTT HENDRICKSON INC.			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		SDR	11/21/24 DATE
CHIEF STRUCTURES DESIGN ENGINEER			
STRUCTURE B-9-19			
CTH X OVER STH 29			
COUNTY	CHIPPEWA	TOWN	SIGEL
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATION			
DESIGNED BY	MJG	DESIGNED CK'D	CJB
DRAWN BY	DMS	PLANS CK'D	MJG
SUPERSTRUCTURE PAINTING			SHEET 1 OF 2

## LIST OF DRAWINGS

- SUPERSTRUCTURE PAINTING
- GENERAL NOTES & QUANTITIES

## LEGEND:

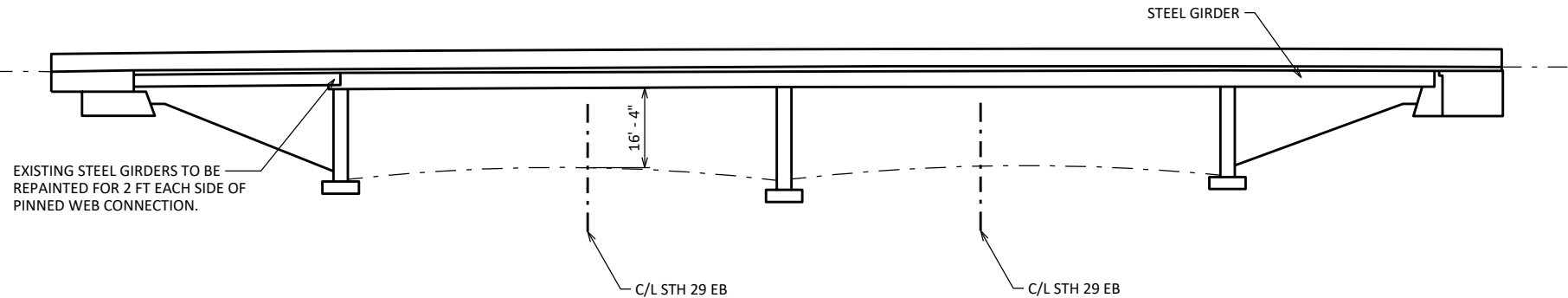


CLEAN AND PAINT EXISTING GIRDERS AND EXPOSED STEEL SURFACES WITHIN 10'-0" OF THE ENDS OF THE GIRDERS (BOTH ABUTMENTS).

BEARINGS ARE TO BE CLEANED AND PAINTED AT ABUTMENT LOCATIONS ONLY WHERE STEEL GIRDERS REQUIRE PAINTING.

## ELEVATION

(LOOKING NORTH)



## GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE COLOR OF THE FINISH EPOXY TOP COAT SHALL BE BROWN (AMS STANDARD COLOR NUMBER 20059)

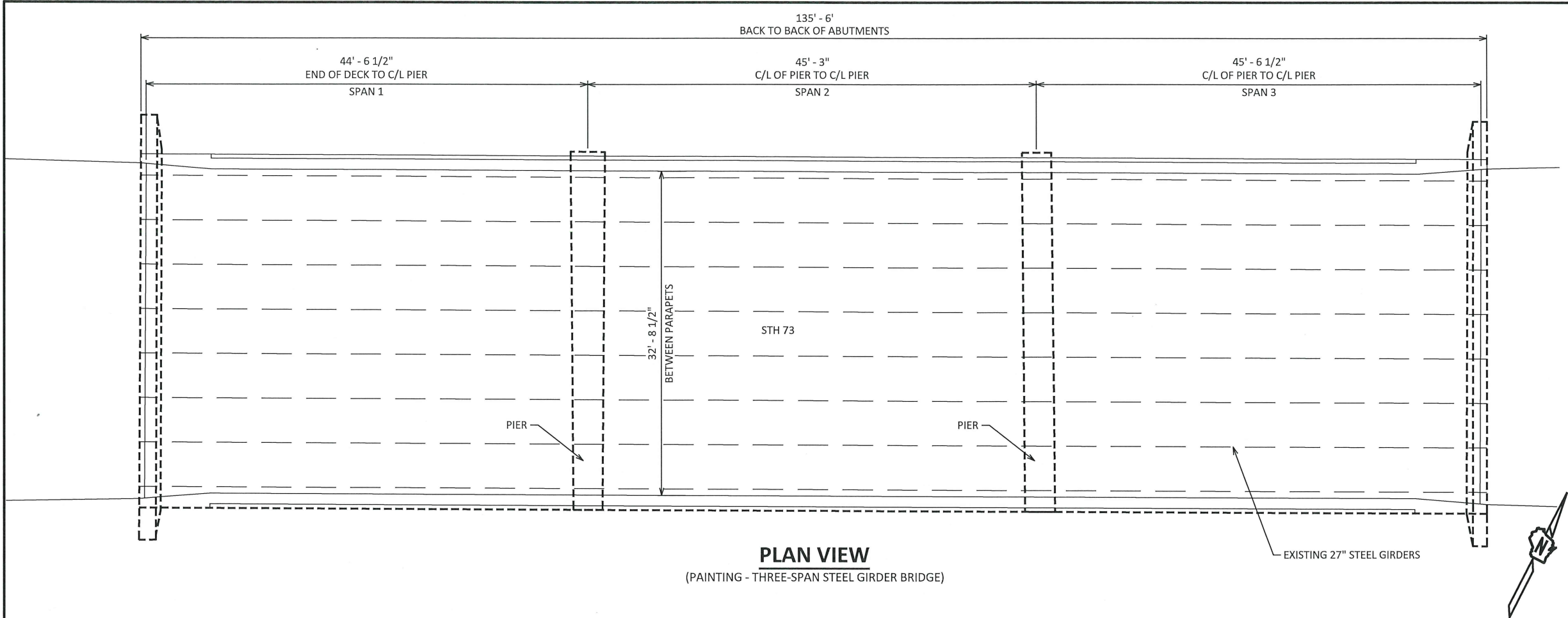
DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL  
STRUCTURE PLANS.

FIELD ENGINEER SHALL VERIFY AREAS OF CLEANING AND PAINTING PRIOR TO ANY WORK BEING PERFORMED.

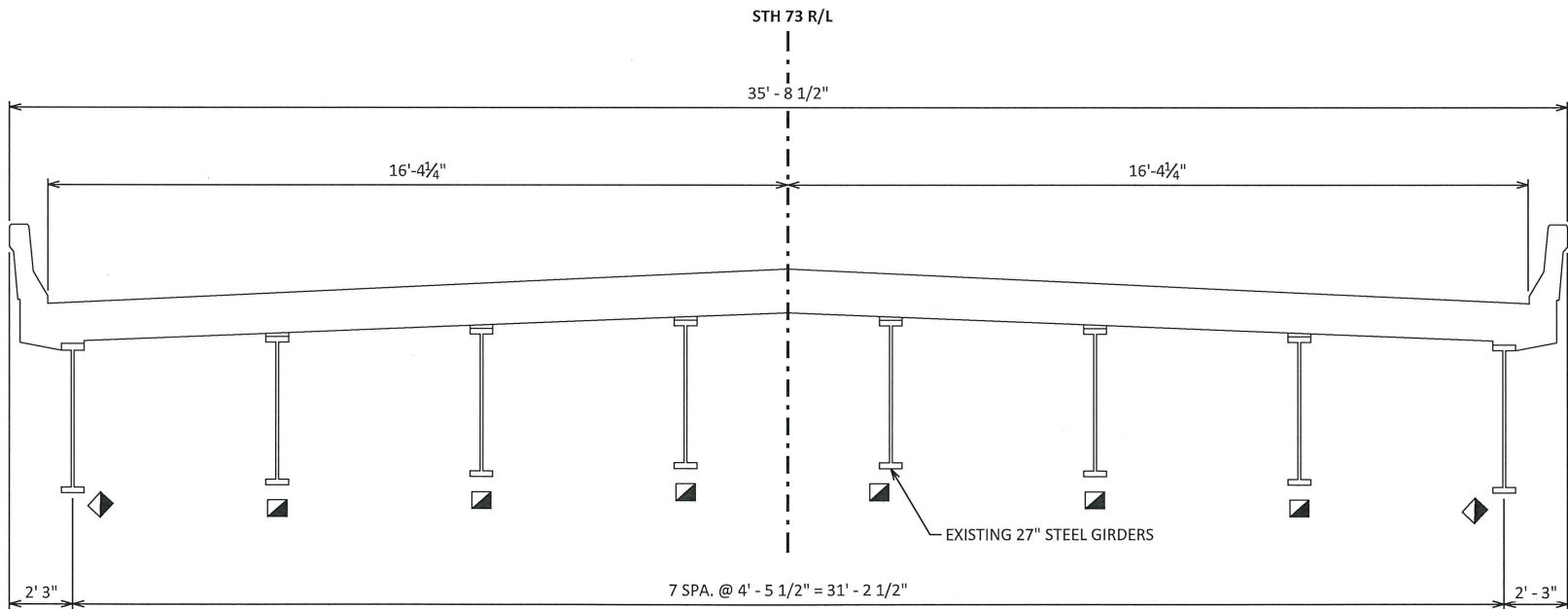
RECOMMENDED PAINT COLORS AND AMS STANDARD  
COLOR NUMBERS FOR STEEL GIRDERS IN WISCONSIN  
SHALL BE IN ACCORDANCE WITH AMS STANDARD  
595A AND ARE: BROWN #20059

SEE ROADWAY PLANS FOR TRAFFIC CONTROL AND STAGING.

[illegible]



**PLAN VIEW**  
(PAINTING - THREE-SPAN STEEL GIRDER BRIDGE)



**SECTION THRU ROADWAY**

**LEGEND:**

- CLEAN AND PAINT EXISTING INTERIOR GIRDERS AND EXPOSED STEEL SURFACES WITHIN 5'-0" OF THE ENDS OF THE GIRDERS (BOTH ABUTMENTS) AND WITHIN 10'-0" OF PIERS.
- CLEAN AND PAINT EXISTING EXTERIOR GIRDERS FULL LENGTH OF BRIDGE.
- BEARINGS ARE TO BE CLEANED AND PAINTED AT ALL LOCATIONS WHERE STEEL GIRDERS REQUIRE PAINTING.

STATE PROJECT NUMBER

1000-18-88

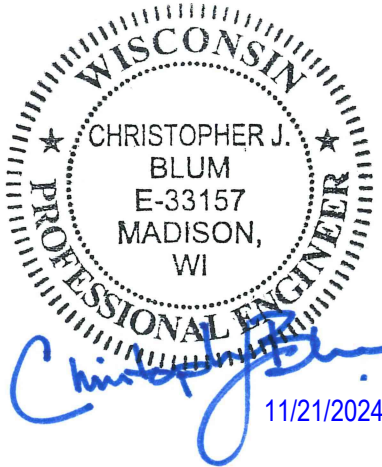
**DESIGN DATA**

**LIVE LOAD:**  
INVENTORY RATING: HS = 24  
OPERATING RATING: HS = 41  
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 210 (KIPS)  
LOAD RATING INFORMATION FROM HSI DATED 8/1/2013

**TRAFFIC VOLUME**

**FEATURE ON: (STH 73)**  
ADT = 2,600 (2019)  
ADT = 4,470 (2023)  
R.D.S. = 60 MPH

**STRUCTURE DESIGN CONTACTS:**  
MATT GUNDRY (715)382-0356  
AARON BONK, WISDOT BUREAU OF STRUCTURES (608)261-0261



NO.	DATE	REVISION	BY
SHORT ELLIOTT HENDRICKSON INC.			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		SDR	11/21/24
CHIEF STRUCTURES DESIGN ENGINEER DATE			
<b>STRUCTURE B-10-158</b>			
<b>STH 73 OVER CAWLEY CREEK</b>			
COUNTY	CHIPPEWA	TOWN	WESTON
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATION			
DESIGNED BY	DESIGNED	DRAWN	PLANS
MJG	CK'D	CJB	CK'D
SUPERSTRUCTURE PAINTING			SHEET 1 OF 2

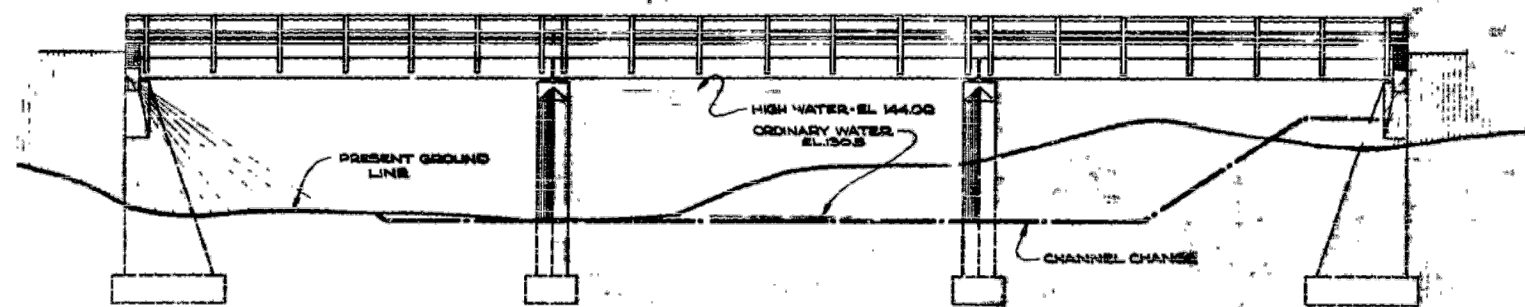
**LIST OF DRAWINGS**

- SUPERSTRUCTURE PAINTING
- GENERAL NOTES & QUANTITIES

I.D.

DATE:

SEE ROADWAY PLANS FOR TRAFFIC CONTROL AND STAGING.

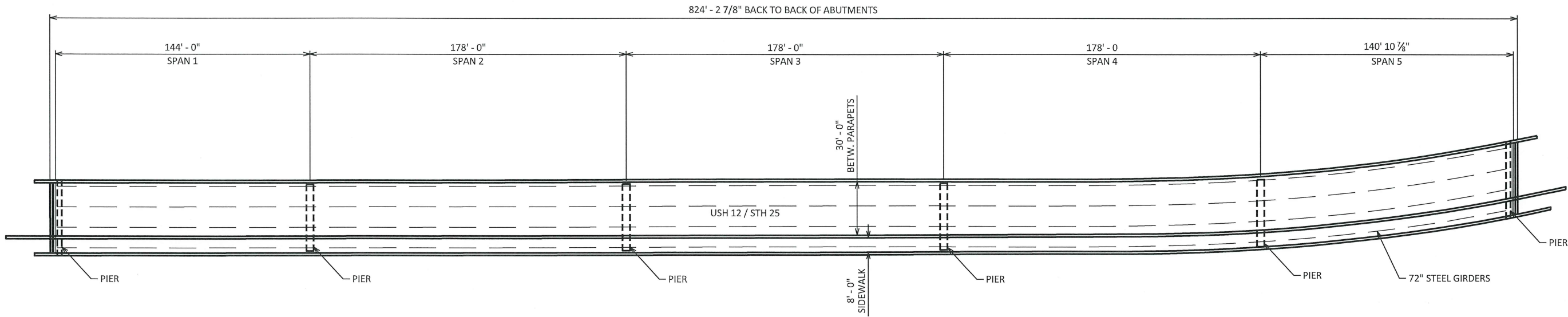


(1936 PLAN)

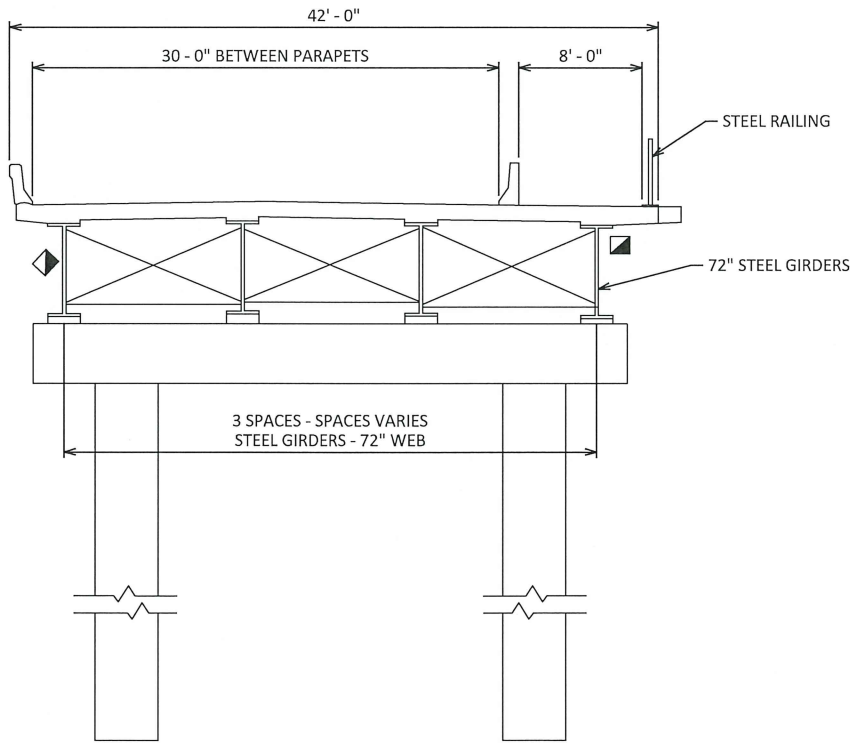
[illegible]

NO.	DATE	REVISION	BY
<b>STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION</b>			
<b>STRUCTURE</b>		<b>B-10-158</b>	
		DRAWN BY DMS	PLANS CK'D MJG
<b>GENERAL NOTES &amp; QUANTITIES</b>		SHEET 2 OF 2	

1



PLAN VIEW  
(PAINTING - FIVE-SPAN STEEL GIRDER BRIDGE)



CROSS SECTION THRU ROADWAY  
LOOKING NORTH

DESIGN DATA

**LIVE LOAD:**  
INVENTORY RATING: HS = 29  
OPERATING RATING: HS = 48  
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 (KIPS)  
LOAD RATING INFORMATION FROM HSI DATED 11/10/2023

TRAFFIC VOLUME

**FEATURE ON: (USH 12/STH 25)**  
ADT = 16,600 (2019)  
ADT = 20,850 (2044)  
R.D.S. = 35 MPH

LEGEND:

- CLEAN AND PAINT EXISTING EXTERIOR FACE AND UNDERSIDE OF FLANGE OF EXTERIOR GIRDER AND SPLICE PLATES FULL LENGTH OF BRIDGE
- CLEAN AND PAINT LOWER 1 FT OF EXTERIOR FACE AND UNDERSIDE OF FLANGE OF EXTERIOR GIRDER AND SPLICE PLATES FULL LENGTH OF BRIDGE.
- BEARINGS ARE TO BE CLEANED AND PAINTED AT ALL LOCATIONS WHERE STEEL GIRDERS REQUIRE PAINTING.

**STRUCTURE DESIGN CONTACTS:**  
MATT GUNDRY (715)382-0356  
AARON BONK, WISDOT BUREAU OF STRUCTURES (608)261-0261



- LIST OF DRAWINGS**
- SUPERSTRUCTURE PAINTING
  - GENERAL NOTES & QUANTITIES

NO.	DATE	REVISION	BY
<div> SHORT ELLIOTT HENDRICKSON INC.</div>			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		SDR	11/21/24
CHIEF STRUCTURES DESIGN ENGINEER			DATE
STRUCTURE B-17-130			
USH 12/STH 25 OVER RED CEDAR RIVER			
COUNTY	DUNN	CITY	MENOMONIE
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATION			
DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
MJG	CJB	DMS	MJG
SUPERSTRUCTURE PAINTING			SHEET 1 OF 2

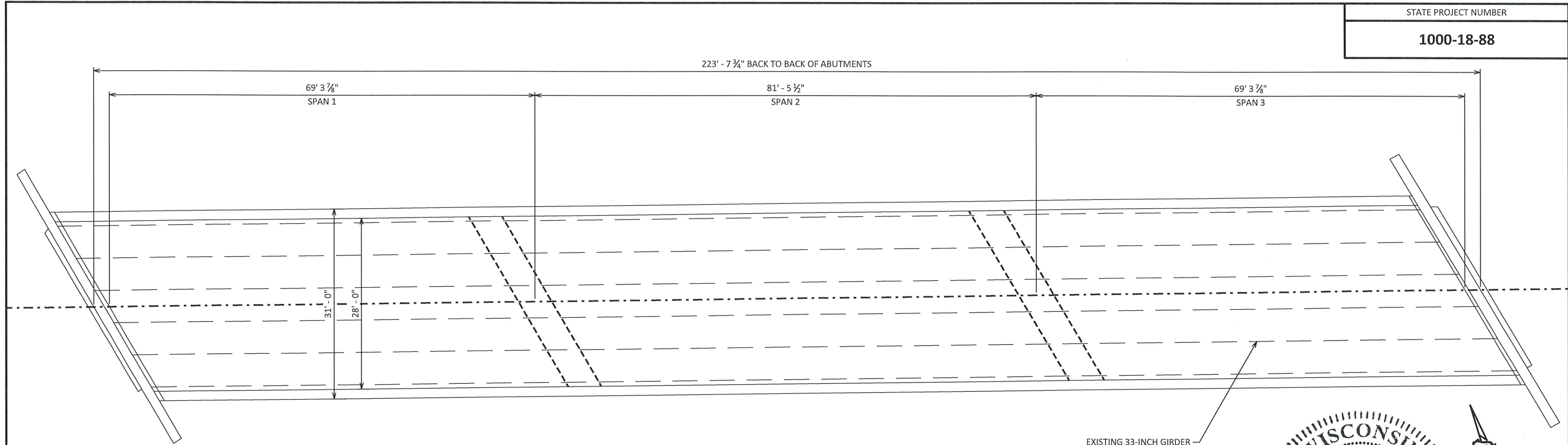
I.D. DATE:



SEE ROADWAY PLANS FOR TRAFFIC CONTROL AND STAGING.



NO.	DATE	REVISION			BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION					
<b>STRUCTURE B-17-130</b>					
		DRAWN BY	DMS	PLANS CK'D	MJG
<b>GENERAL NOTES &amp; QUANTITIES</b>			SHEET 2 OF 2		



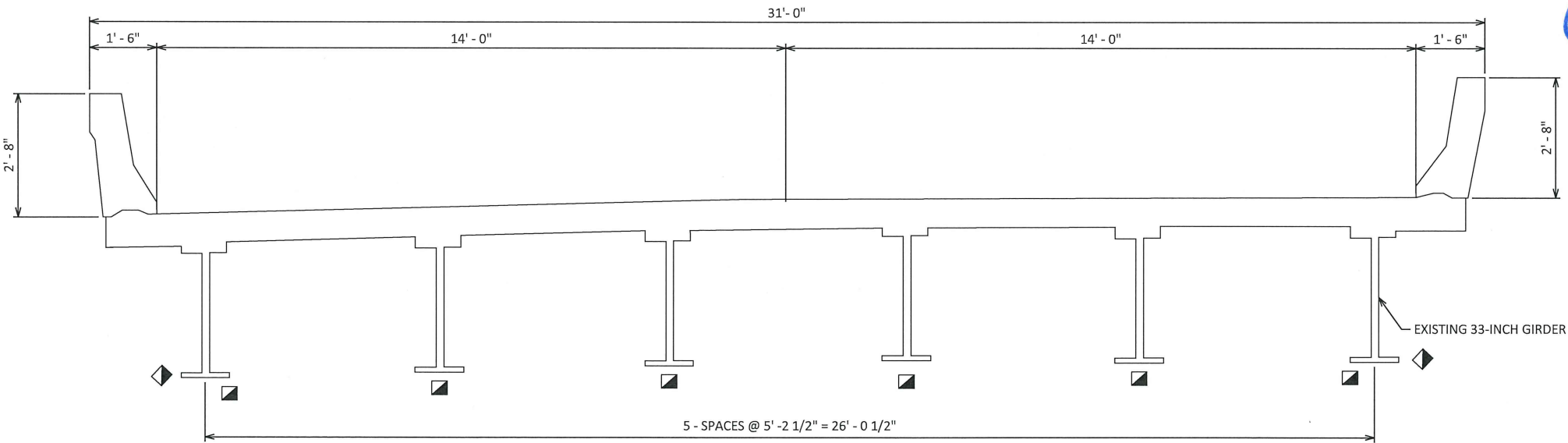
PLAN VIEW  
(PAINTING - THREE-SPAN STEEL GIRDER BRIDGE)

DESIGN DATA

LIVE LOAD:  
INVENTORY RATING: HS = 20  
OPERATING RATING: HS = 34  
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 230 (KIPS)  
LOAD RATING INFORMATION FROM HSI DATED 11/10/2023

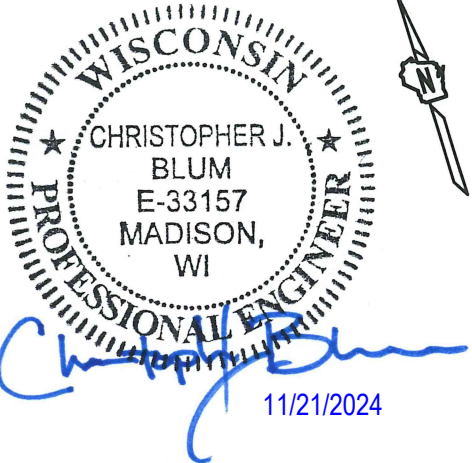
TRAFFIC VOLUME

FEATURE ON: (USH 12)  
ADT = 2,900 (2019)  
ADT = 3,950 (2024)  
R.D.S. = 60 MPH



SECTION THRU ROADWAY  
LOOKING NORTH

- LEGEND:
- CLEAN AND PAINT EXISTING GIRDERS AND EXPOSED STEEL SURFACES WITHIN 10'-0" OF THE ENDS OF THE GIRDERS (BOTH ABUTMENTS).
  - CLEAN AND PAINT LOWER 1 FT OF EXTERIOR FACE AND UNDERSIDE OF FLANGE OF EXTERIOR GIRDER FULL LENGTH.
  - BEARINGS ARE TO BE CLEANED AND PAINTED AT ALL LOCATIONS WHERE STEEL GIRDERS REQUIRE PAINTING.

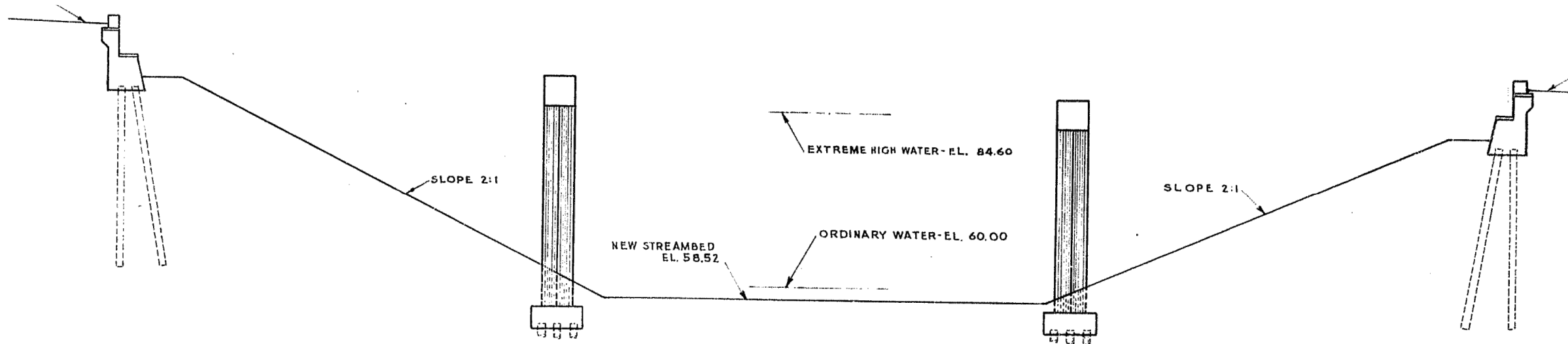


STRUCTURE DESIGN CONTACTS:  
MATT GUNDRY (715)382-0356  
AARON BONK, WISDOT BUREAU OF STRUCTURES (608)261-0261

NO.	DATE	REVISION	BY
<div>SEH SHORT ELLIOTT HENDRICKSON INC.</div>			
<div>STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION</div>			
ACCEPTED		SDR	DATE
		11/21/24	
STRUCTURE B-17-847			
USH 12 OVER ANNIS CREEK			
COUNTY	DUNN	TOWN	MENOMONIE
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATION			
DESIGNED BY	DESIGNED	DRAWN BY	PLANS
MJG	CK'D	CJB	CK'D
SUPERSTRUCTURE PAINTING			SHEET 1 OF 2

- LIST OF DRAWINGS
- SUPERSTRUCTURE PAINTING
  - GENERAL NOTES & QUANTITIES

SEE ROADWAY PLANS FOR TRAFFIC CONTROL AND STAGING.

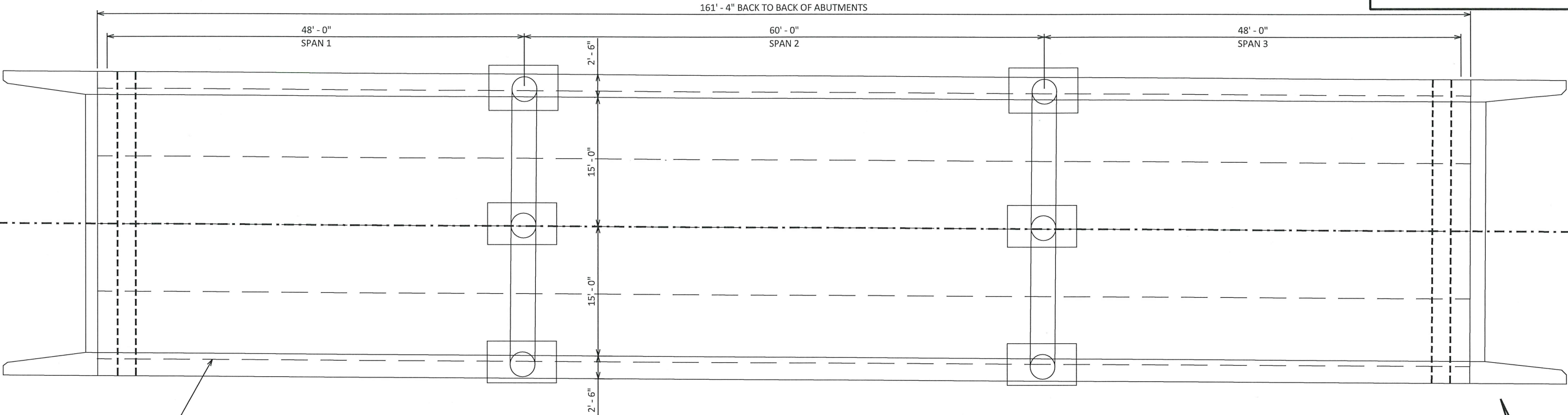


(FEB. 1946)

[illegible]

NO.	DATE	REVISION				BY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION <b>STRUCTURES DESIGN SECTION</b>							
<b>STRUCTURE      B-17-847</b>							
			DRAWN BY	DMS	PLANS CK'D	MJG	
<b>GENERAL NOTES &amp; QUANTITIES</b>					SHEET 2 OF 2		

1



**PLAN VIEW**  
(PAINTING - THREE-SPAN STEEL GIRDER BRIDGE)

**DESIGN DATA**

**LIVE LOAD:**  
INVENTORY RATING: HS = 16  
OPERATING RATING: HS = 27  
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 140 (KIPS)  
LOAD RATING INFORMATION FROM HSI DATED 7/18/2022

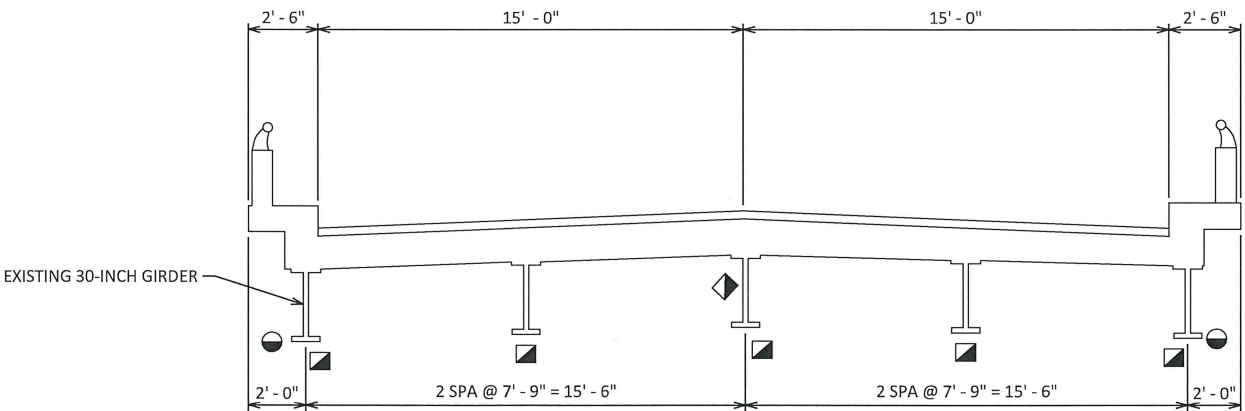
**TRAFFIC VOLUME**

**FEATURE ON: (STH 29)**  
ADT = 1,600 (2018)  
ADT = 2,030 (2044)  
R.D.S. = 60 MPH

**LEGEND:**

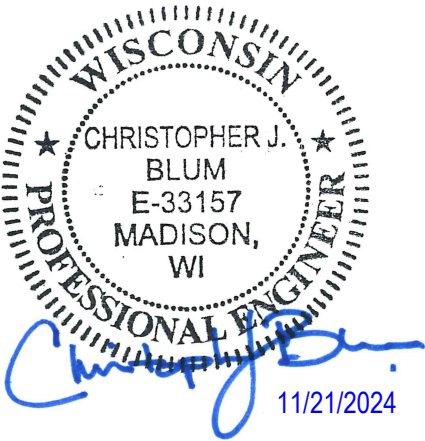
- CLEAN AND PAINT EXISTING GIRDERS AND EXPOSED STEEL SURFACES WITHIN 10'-0" OF THE ENDS OF THE GIRDERS (BOTH ABUTMENTS) AND WITHIN 10'-0" OF PIERS.
- CLEAN AND PAINT 2'-0" ALONG TOP OF CENTERLINE GIRDER.
- CLEAN AND PAINT THE BOTTOM 1'-0" OF EXTERIOR GIRDERS.

BEARINGS ARE TO BE CLEANED AND PAINTED AT ALL LOCATIONS WHERE STEEL GIRDERS REQUIRE PAINTING.



**SECTION THRU ROADWAY**  
LOOKING EAST

**STRUCTURE DESIGN CONTACTS:**  
MATT GUNDRY (715)382-0356  
AARON BONK, WISDOT BUREAU OF STRUCTURES (608)261-0261

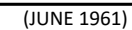


**LIST OF DRAWINGS**

- SUPERSTRUCTURE PAINTING
- GENERAL NOTES & QUANTITIES

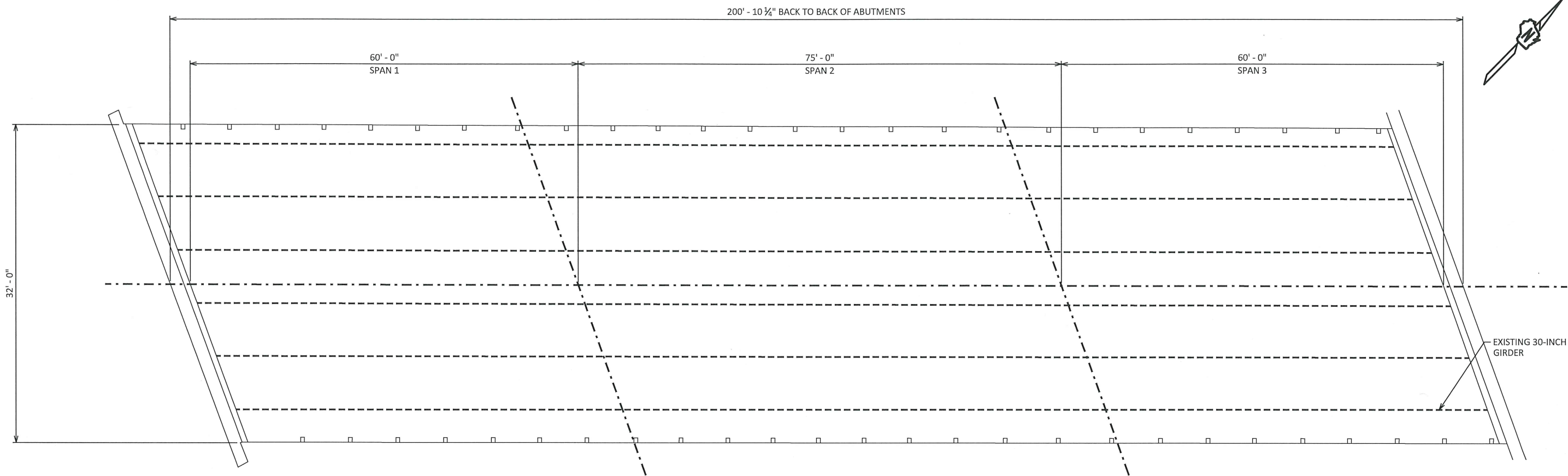
NO.	DATE	REVISION	BY
SHORT ELLIOTT HENDRICKSON INC.			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		SDR	11/21/24
CHIEF STRUCTURES DESIGN ENGINEER			
DATE			
<b>STRUCTURE B-47-33</b>			
<b>STH 29 OVER RUSH RIVER</b>			
COUNTY	PIERCE	TOWN	MARTELL
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATION			
DESIGNED BY	DESIGNED	DRAWN	PLANS
MJG	CK'D	CJB	BY
DMS	CK'D	MJG	
<b>SUPERSTRUCTURE PAINTING</b>			SHEET 1 OF 2

SEE ROADWAY PLANS FOR TRAFFIC CONTROL AND STAGING.

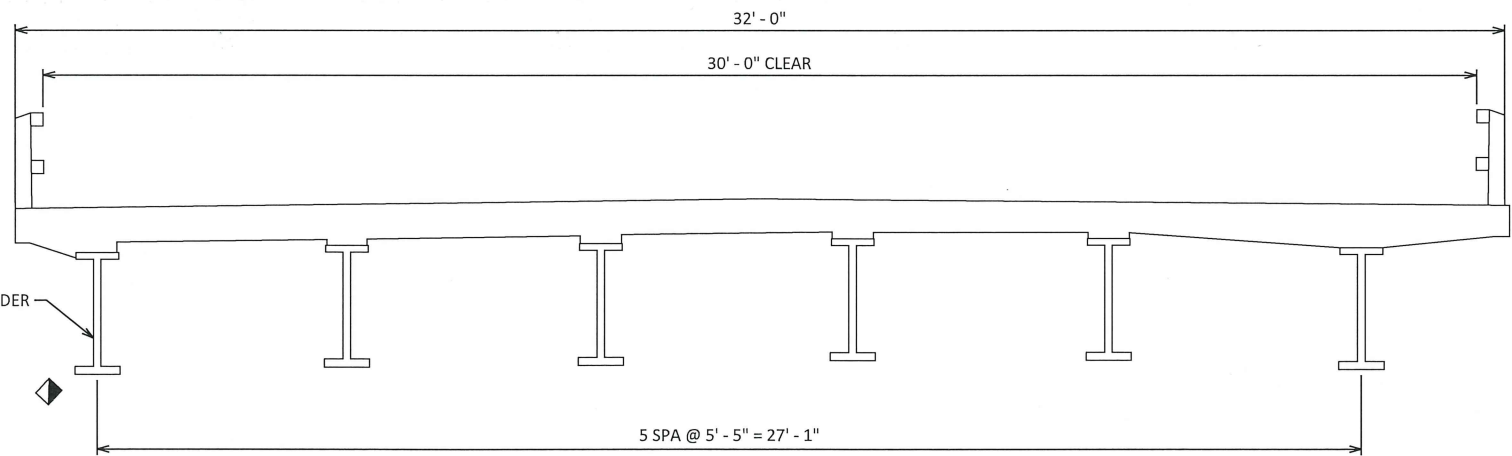


NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION <b>STRUCTURES DESIGN SECTION</b>			
<b>STRUCTURE</b>		<b>B-47-33</b>	
		DRAWN BY	PLANS CK'D MJS
<b>GENERAL NOTES &amp; QUANTITIES</b>		SHEET 2 OF 2	





PLAN VIEW  
(PAINTING - THREE-SPAN STEEL GIRDER BRIDGE)



SECTION THRU ROADWAY  
LOOKING NORTH

DESIGN DATA

LIVE LOAD:  
INVENTORY RATING: HS = 14  
OPERATING RATING: HS = 24  
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV):150 (KIPS)  
LOAD RATING INFORMATION FROM HSI DATED 7/20/2022

TRAFFIC VOLUME

FEATURE ON: (STH 95)  
ADT = 4,000 (2018)  
ADT = 5,070 (2044)  
R.D.S. = 40 MPH

LEGEND:

CLEAN AND PAINT EXISTING NORTH SIDE EXTERIOR GIRDER  
FULL LENGTH OF BRIDGE.

BEARINGS ARE TO BE CLEANED AND PAINTED AT ALL  
LOCATIONS WHERE STEEL GIRDERS REQUIRE PAINTING.



11/21/2024

EXISTING 30-INCH GIRDER

STRUCTURE DESIGN CONTACTS:  
MATT GUNDRY (715)382-0356  
AARON BONK, WISDOT BUREAU OF STRUCTURES (608)261-0261

NO.	DATE	REVISION	BY
<div> SHORT ELLIOTT HENDRICKSON INC.</div>			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED	 CHIEF STRUCTURES DESIGN ENGINEER		<div>SPR 11/21/24</div> DATE
STRUCTURE B-61-14			
STH 95 OVER TREMPEALEAU RIVER			
COUNTY	TREMPEALEAU	CITY	BLAIR
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATION			
DESIGNED BY	DESIGNED CK'D	DRAWN CJB	PLANS CK'D
MJG			MJG
SUPERSTRUCTURE PAINTING			SHEET 1 OF 2

LIST OF DRAWINGS

- SUPERSTRUCTURE PAINTING
- GENERAL NOTES & QUANTITIES

I.D. DATE:

DRAWINGS SHALL NOT BE SCALED.

THE COLOR OF THE FINISH EPOXY TOP COAT SHALL BE BLUE (AMS STANDARD COLOR NUMBER 25240)

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL  
STRUCTURE PLANS.

FIELD ENGINEER SHALL VERIFY AREAS OF CLEANING AND PAINTING PRIOR TO ANY WORK BEING PERFORMED.

RECOMMENDED PAINT COLORS AND AMS STANDARD  
COLOR NUMBERS FOR STEEL GIRDERS IN WISCONSIN  
SHALL BE IN ACCORDANCE WITH AMS STANDARD  
595A AND ARE: BLUE #25240

SEE ROADWAY PLANS FOR TRAFFIC CONTROL AND STAGING.

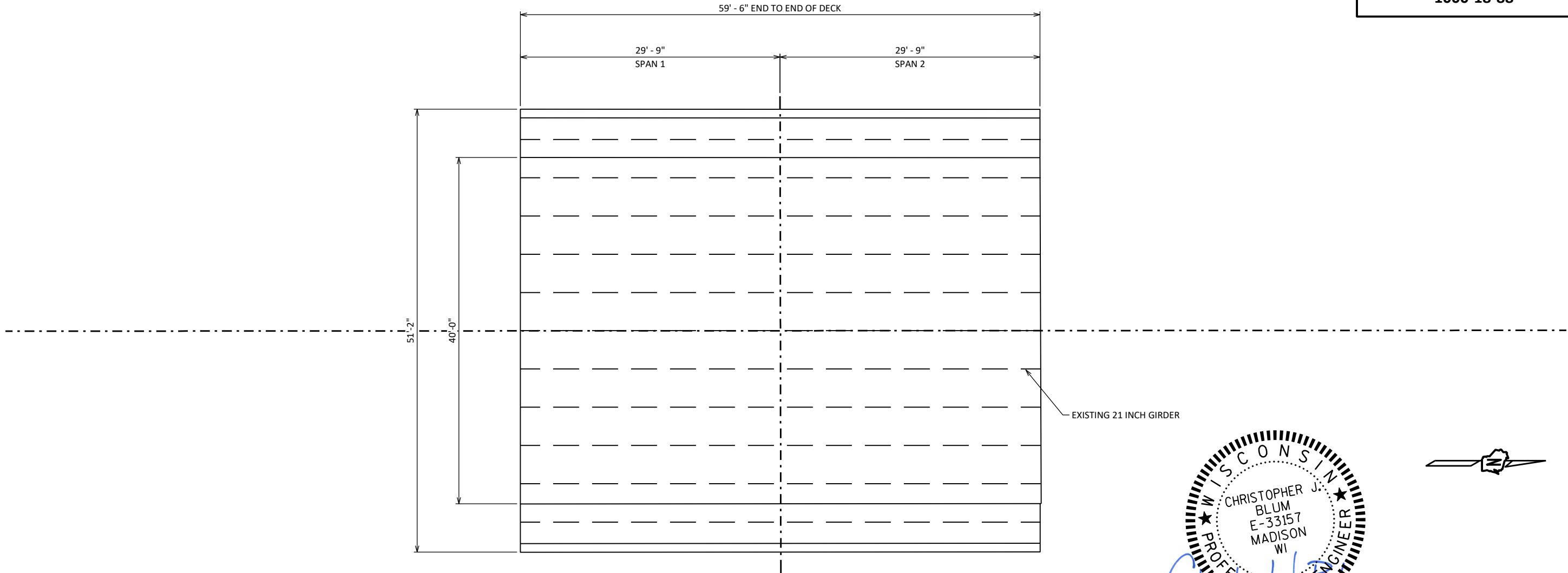


(JULY 1950)

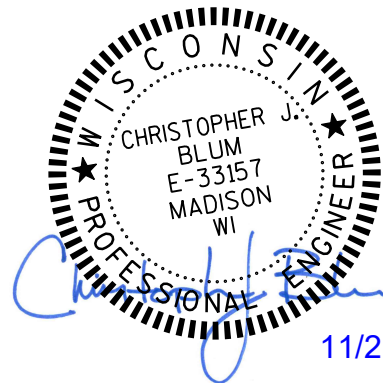
[illegible]

NO.	DATE	REVISION			BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION					
<b>STRUCTURE      B-61-14</b>					
		DRAWN BY	DMS	PLANS CK'D	MJG
<b>GENERAL NOTES &amp; QUANTITIES</b>			SHEET 2 OF 2		

SCALE -



**PLAN VIEW**  
(PAINTING - TWO-SPAN STEEL GIRDER BRIDGE)



11/21/2024

**STRUCTURE DESIGN CONTACTS:**  
MATT GUNDRY (715)382-0356  
AARON BONK, WISDOT BUREAU OF STRUCTURES (608)261-0261

**DESIGN DATA**

**LIVE LOAD:**  
INVENTORY RATING: HS = 22  
OPERATING RATING: HS = 37  
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 (KIPS)  
LOAD RATING INFORMATION FROM HSI DATED 11/10/2023

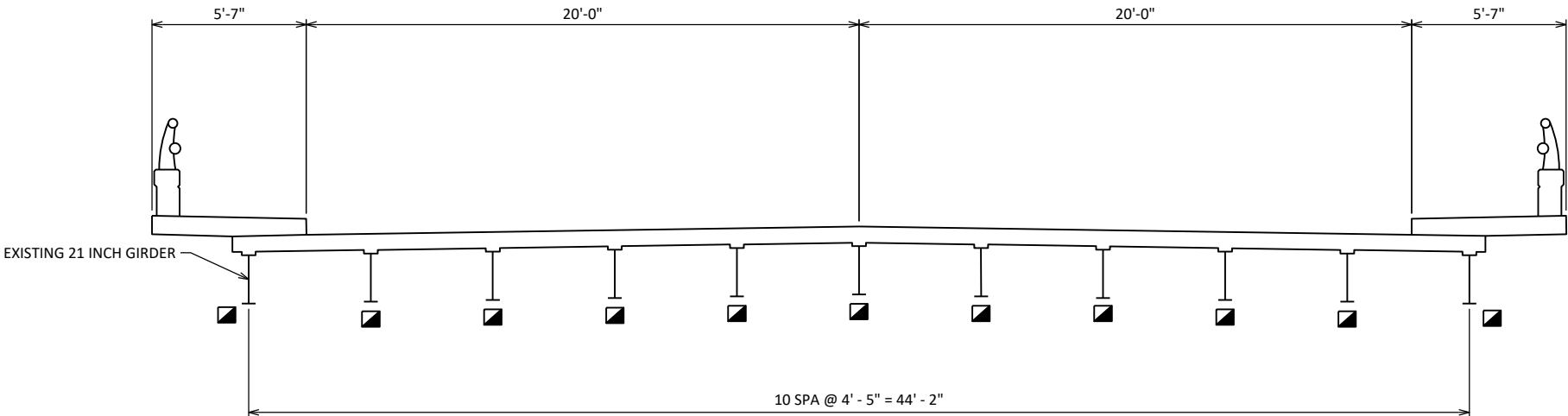
**TRAFFIC VOLUME**

**FEATURE ON: (USH 53)**  
ADT = 4,900 (2018)  
ADT = 6,210 (2044)  
R.D.S. = 30 MPH

**LEGEND:**

■ CLEAN AND PAINT EXISTING GIRDERS AND EXPOSED STEEL SURFACES WITHIN 5'-0" OF THE ENDS OF THE GIRDERS (BOTH ABUTMENTS) AND WITHIN 10'-0" OF PIERS.



BEARINGS ARE TO BE CLEANED AND PAINTED AT ALL PIER LOCATIONS WHERE STEEL GIRDERS REQUIRE PAINTING.



**SECTION THRU ROADWAY**  
LOOKING NORTH

**LIST OF DRAWINGS**

- SUPERSTRUCTURE PAINTING
- GENERAL NOTES & QUANTITIES

NO.	DATE	REVISION	BY
 SHORT ELLIOTT HENDRICKSON INC.			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		SDR	11/21/24 DATE
CHIEF STRUCTURES DESIGN ENGINEER			
<b>STRUCTURE B-61-118</b>			
<b>USH 53 OVER LAKE MARTHA</b>			
COUNTY	TREMPEALEAU	CITY	OSSEO
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATION			
DESIGNED BY	MJG	DESIGNED CK'D	CJB
DRAWN BY	DMS	PLANS CK'D	MJG
<b>SUPERSTRUCTURE PAINTING</b>			SHEET 1 OF 2

I.D.

DATE:

## GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

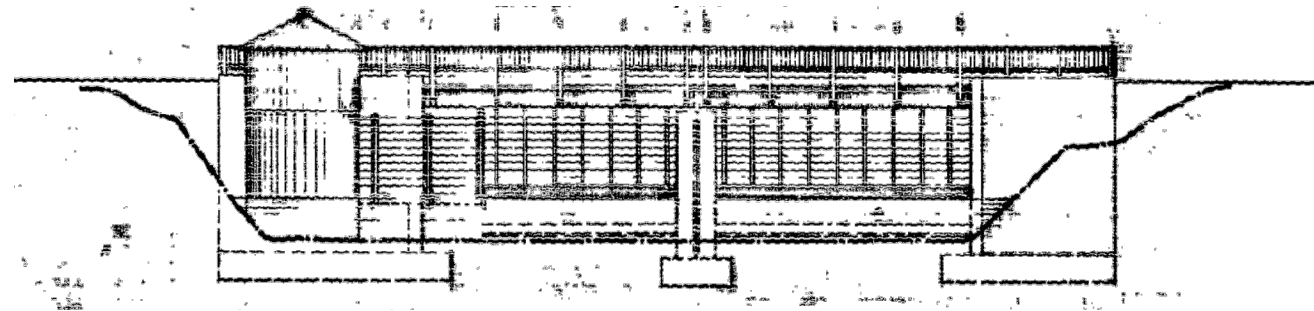
THE COLOR OF THE FINISH EPOXY TOP COAT SHALL BE  
BLUE (AMS STANDARD COLOR NUMBER 25240)

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL  
STRUCTURE PLANS.

FIELD ENGINEER SHALL VERIFY AREAS OF CLEANING AND PAINTING PRIOR TO ANY WORK BEING PERFORMED.

RECOMMENDED PAINT COLORS AND AMS STANDARD  
COLOR NUMBERS FOR STEEL GIRDERS IN WISCONSIN  
SHALL BE IN ACCORDANCE WITH AMS STANDARD  
595A AND ARE: BLUE #25240

SEE ROADWAY PLANS FOR TRAFFIC CONTROL AND STAGING.



**ELEVATION VIEW - FOR INFORMATION ONLY**

(MAY 1936)

[illegible]



## ***Wisconsin Department of Transportation***

Dedicated people creating transportation solutions  
through innovation and exceptional service.

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