PROJECT WITH: N/A ₫

0-05-60

W

GRE MARCH 2018

ORDER OF SHEETS

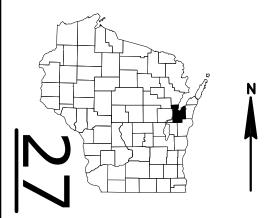
Section N	No.	1	Title			
Section N	No.	2	Typical	Sections	and	Detail

Section No. 3 Estimate of Quantities Miscellaneous Quantities Section No. 3

Section No. 5 Plan and Profile Section No. 6 Standard Detail Drawings

Section No. 8 Structure Plans

TOTAL SHEETS = 36



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

IH 41 - IH 43

FOX RIVER BRIDGE

STH 172

BROWN COUNTY

STATE PROJECT NUMBER 1210-05-60

T-24-N 183 GV AAA O SILVER LN R-21-E R-20-E SCALE L

R-21-E

STRUCTURE B-5-149 STH 172 OVER FOX RIVER & STH 57

CONVENTIONAL SYMBOLS PROFILE PLAN GRADE LINE CORPORATE LIMITS ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE LOT LINE (To be noted as such) LIMITED HIGHWAY EASEMENT SPECIAL DITCH EXISTING RIGHT OF WAY GRADE ELEVATION PROPOSED OR NEW R/W LINE CULVERT (Profile View) SLOPE INTERCEPT UTILITIES REFERENCE LINE ELECTRIC EXISTING CULVERT OVERHEAD UTILITY PROPOSED CULVERT FIBER OPTIC GAS COMBUSTIBLE FLUIDS SANITARY SEWER STORM SEWER TELEPHONE MARSH AREA WATER UTILITY PEDESTAL WOODED OR SHRUB AREA POWER POLE ₫ TELEPHONE POLE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PREPARED BY

FEDERAL PROJECT

CONTRACT

PROJECT

WISC 2018156

STATE PROJECT

1210-05-60

NER Surveyor E DANKE & J KOSTER Designer Project Manager R WAGNER

APPROVED FOR THE DEPARTMENT 11/1/17

TOTAL NET LENGTH OF CENTERLINE = 0.000

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GENERAL NOTES

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.

DNR LIAISON

JIM DOPERALSKI WISCONSIN DEPARTMENT OF NATURAL RESOURCES 2984 SHAWANO AVENUE GREEN BAY, WI 54313 (920) 662-5119 james.doperalski@wisconsin.gov

NE REGION SURVEY COORDINATOR

CORMAC MCINNIS,RLS 944 VANDERPERREN WAY GREEN BAY, WI 54304 (920) 492-5638 cormac.mcinnis@dot.wi.gov



PROJECT NO:1210-05-60

HWY:STH 172

COUNTY: BROWN

GENERAL NOTES

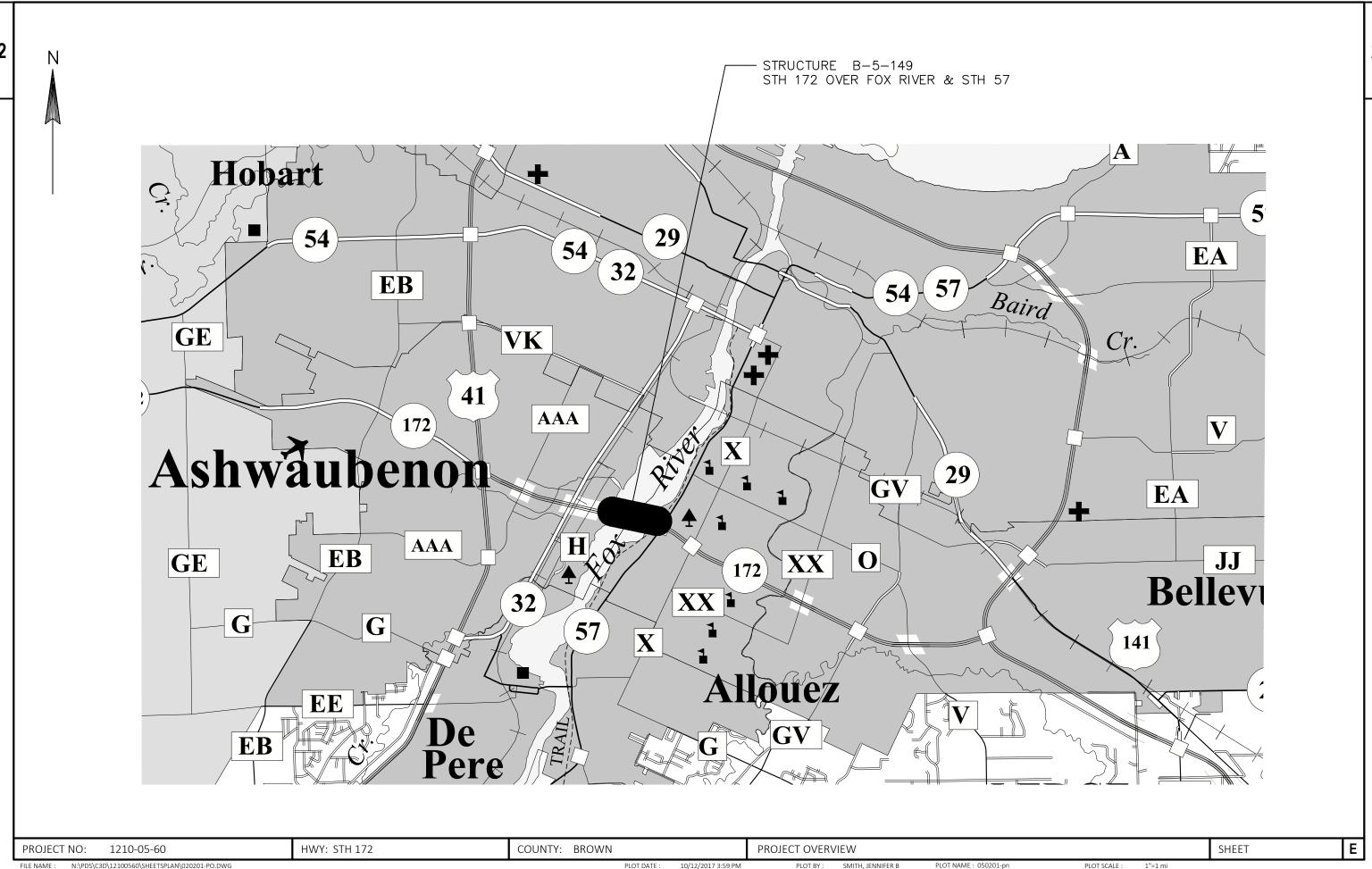
SHEET

E

FILE NAME : N:\PDS\C3D\12100560\SHEETSPLAN\020101-GN.DWG 020101_gn

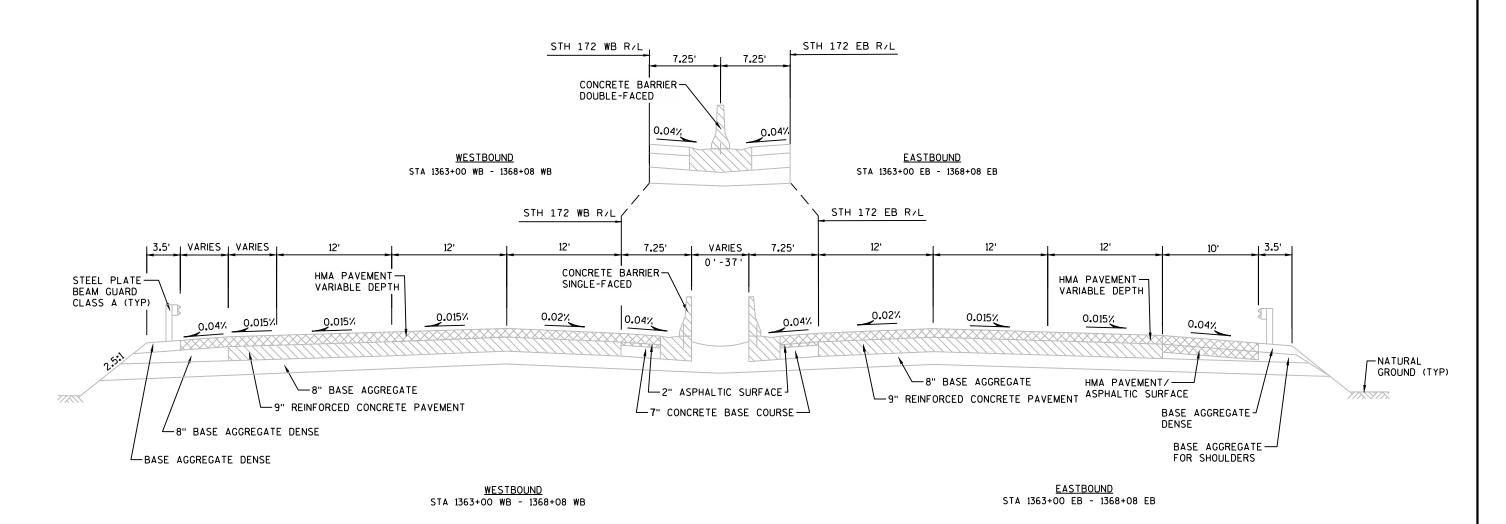
PLOT DATE: 10/12/2017 3:23 PM

PLOT BY : SMITH, JENNIFER B PLOT NAME :



N:\PDS\C3D\12100560\SHEETSPLAN\020201-PO.DWG LAYOUT NAME - 020201-po PLOT BY: SMITH, JENNIFER B PLOT DATE : PLOT SCALE :



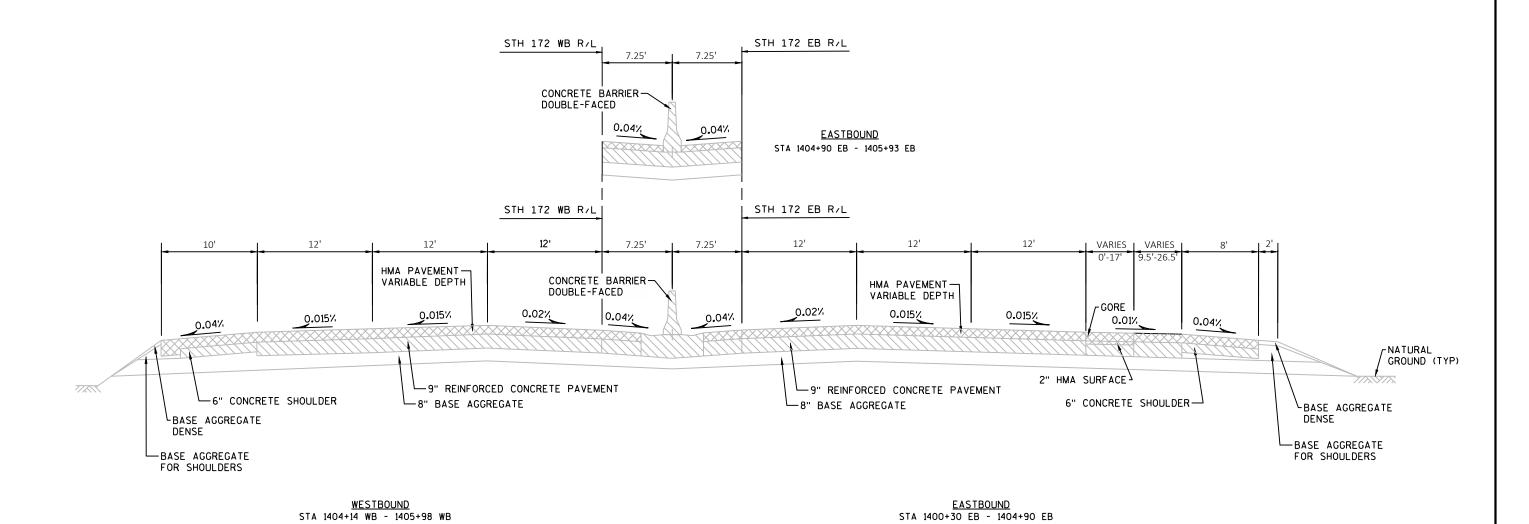


TYPICAL EXISTING SECTION STH 172 WEST APPROACH LOOKING EAST

Ε PROJECT NO: 1210-05-60 HWY: STH 172 COUNTY: BROWN TYPICAL CROSS SECTIONS SHEET SMITH, JENNIFER B PLOT NAME : FILE NAME : N:\PDS\C3D\12100560\SHEETSPLAN\020301-TS.DWG PLOT DATE : PLOT BY: PLOT SCALE : 1"=10' 9/13/2017 10:07 AM WISDOT/CADDS SHEET 42 LAYOUT NAME - 01



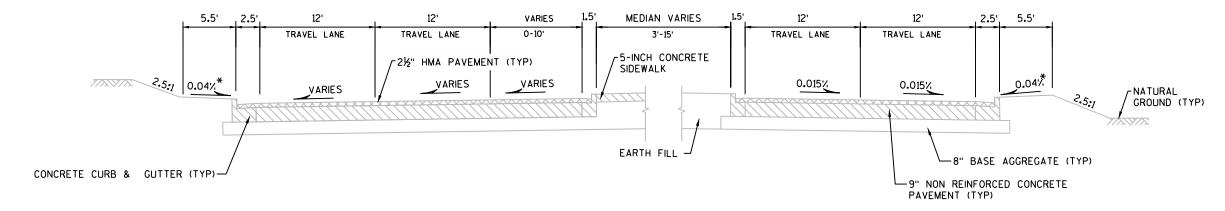




TYPICAL EXISTING SECTION STH 172 EAST APPROACH LOOKING EAST

Ε PROJECT NO: 1210-05-60 HWY: STH 172 COUNTY: BROWN TYPICAL CROSS SECTIONS SHEET N:\PDS\C3D\12100560\SHEETSPLAN\020301-TS.DWG PLOT DATE : PLOT BY: SMITH, JENNIFER B PLOT NAME : PLOT SCALE : FILE NAME :

9/13/2017 10:09 AM 1"=10' WISDOT/CADDS SHEET 42

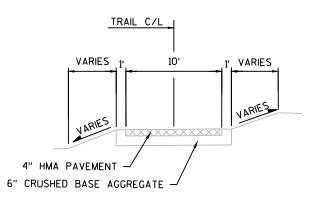


* SLOPE PAVING & SIDEWALK AT STRUCTURE

EXISTING CROSS SECTION FOR STH 57 (RIVERSIDE DR) (LOOKING NORTH)

NOTES

WOOD FENCE ON SHOULDER OF FOX RIVER TRAIL. LOCAL LIGHTING POLES ON SHOULDER OF ASHWAUBOMAY TRAIL.

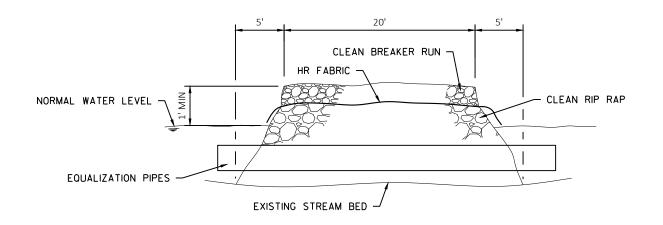


EXISTING CROSS SECTION FOR FOX RIVER TRAIL & ASHWAUBOMAY TRAIL

Ε PROJECT NO: 1210-05-60 HWY: STH 172 COUNTY: BROWN TYPICAL CROSS SECTIONS SHEET N:\PDS\C3D\12100560\SHEETSPLAN\020301-TS.DWG PLOT BY: SMITH, JENNIFER B FILE NAME : PLOT SCALE :

2

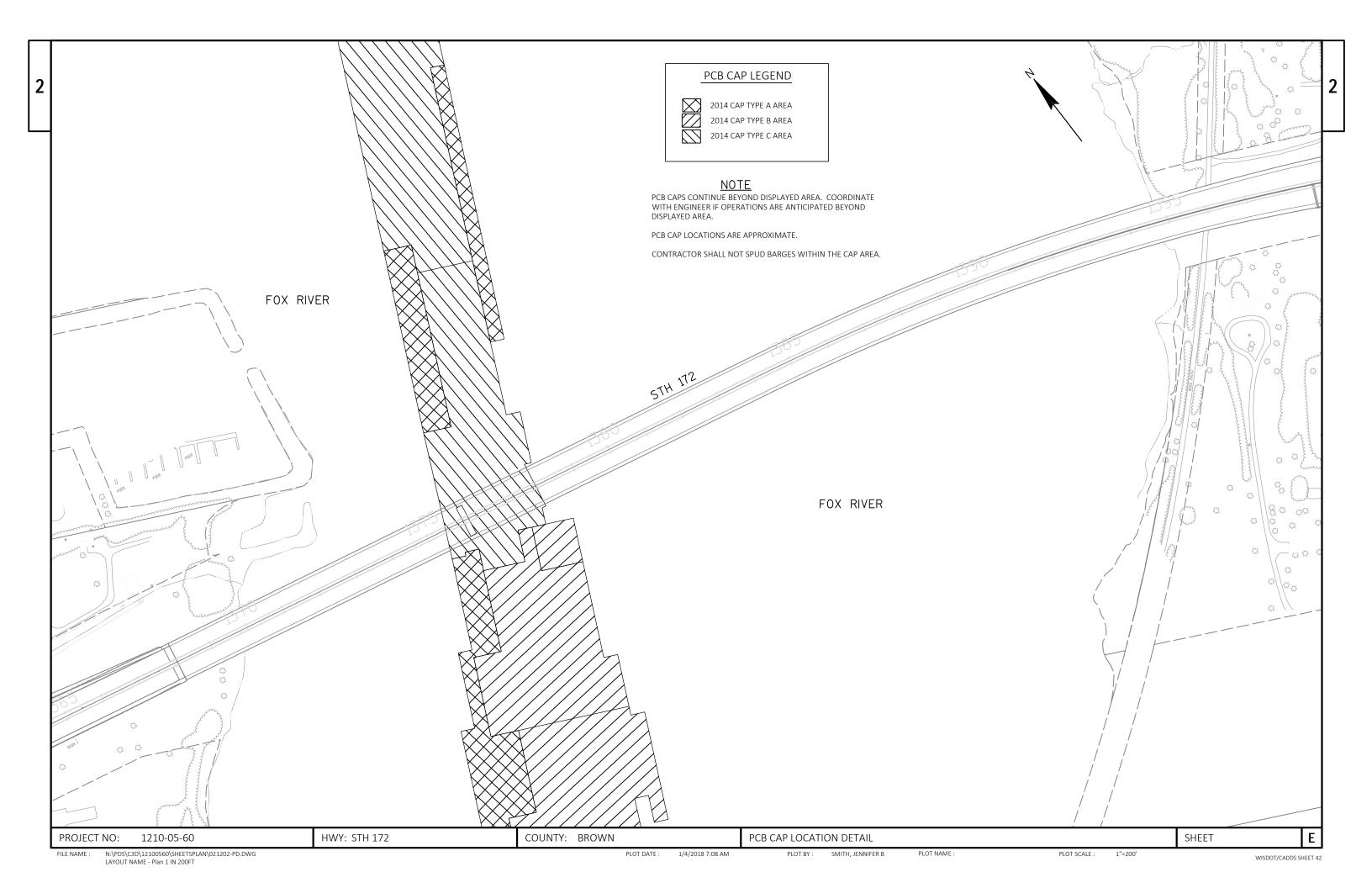
2

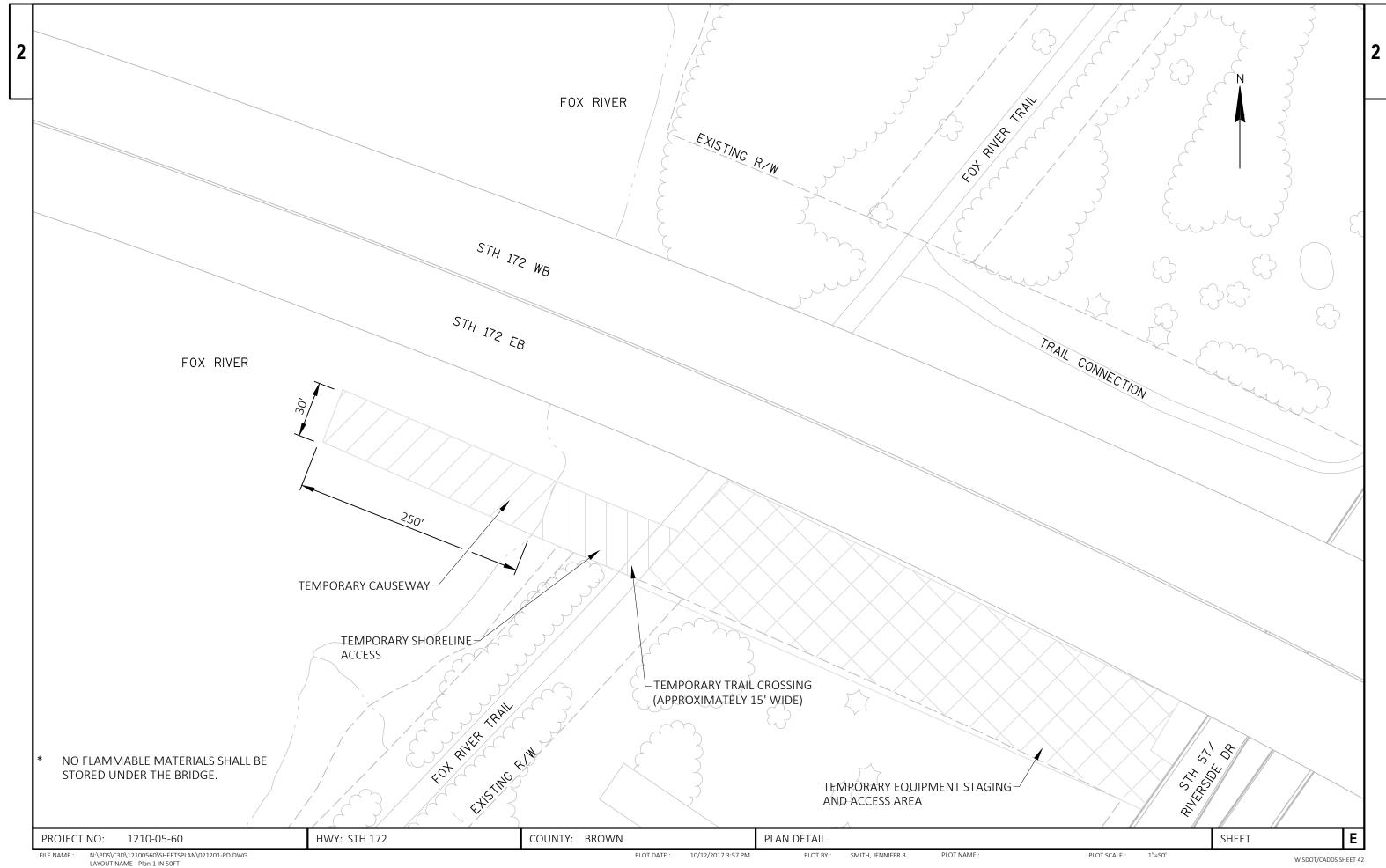


CROSS SECTION THRU TEMPORARY CAUSEWAY

PROJECT NO: 1210-05-60 HWY: STH 172 COUNTY: BROWN CONSTRUCTION DETAILS SHEET **E**

FILE NAME: N:\PDS\C3D\12100560\SHEETSPLAN\021001-CD.DWG PLOT DATE: 9/12/2017 11:28 AM PLOT BY: SMITH, JENNIFER B PLOT NAME: PLOT SCALE: 1IN:10 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 021001-cd





LEGEND

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT

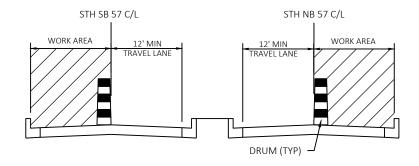
SIGN ON TEMPORARY SUPPORT

TYPE III BARRICADE WITH ATTACHED SIGN

FLASHING ARROW BOARD

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL TYPICAL SECTION DETAIL

STH 57

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.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

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

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

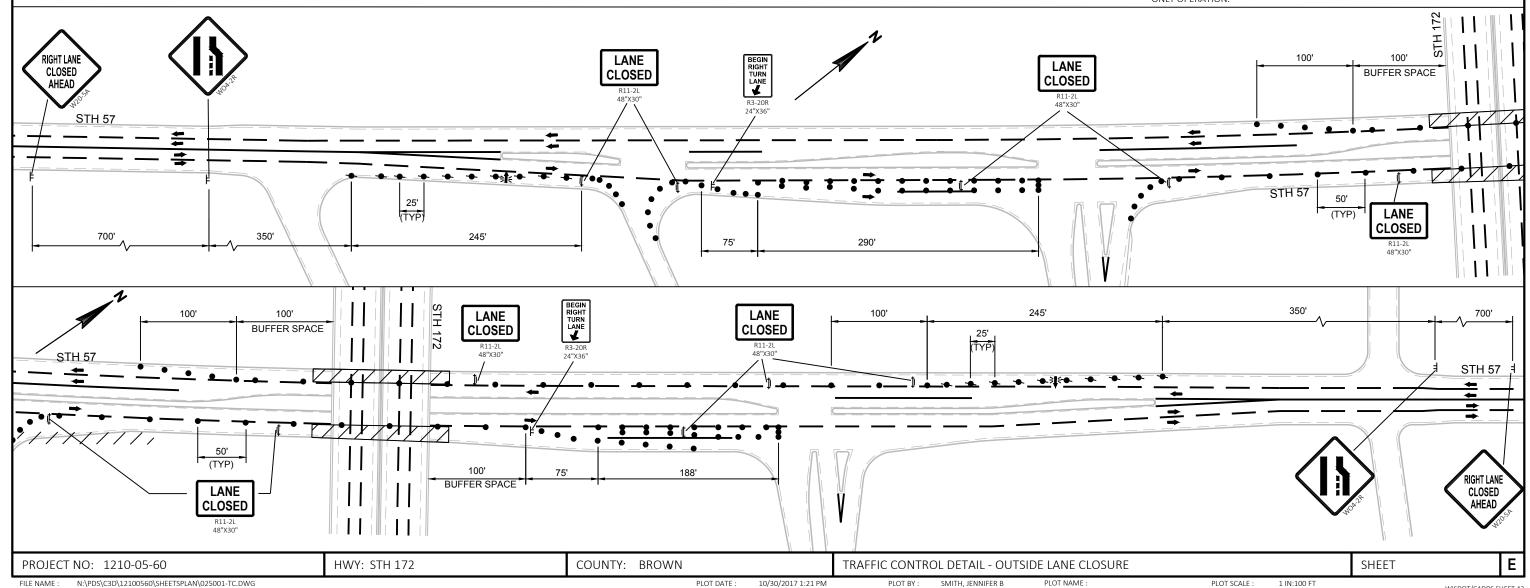
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

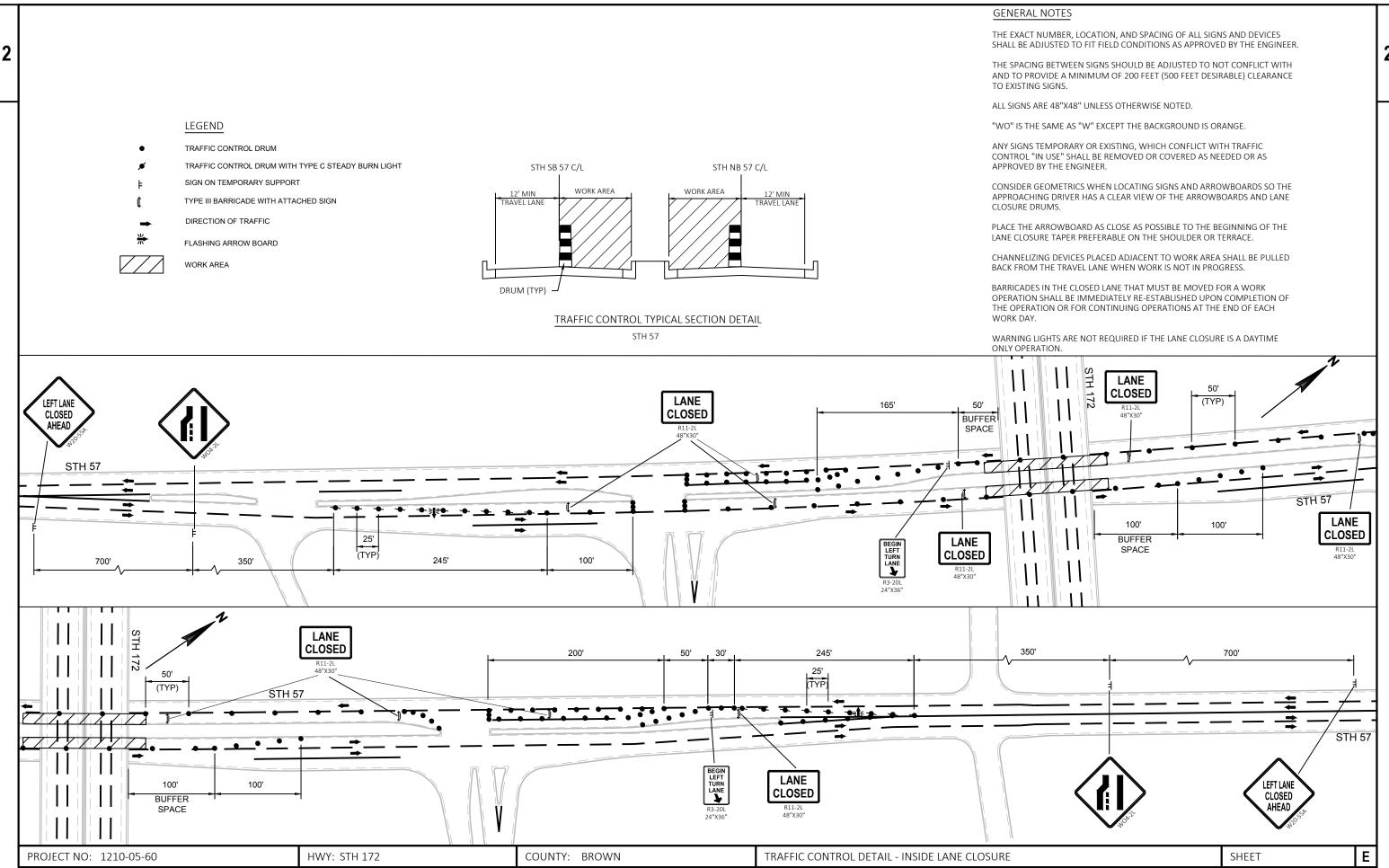
PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER PREFERABLE ON THE SHOULDER OR TERRACE.

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

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

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



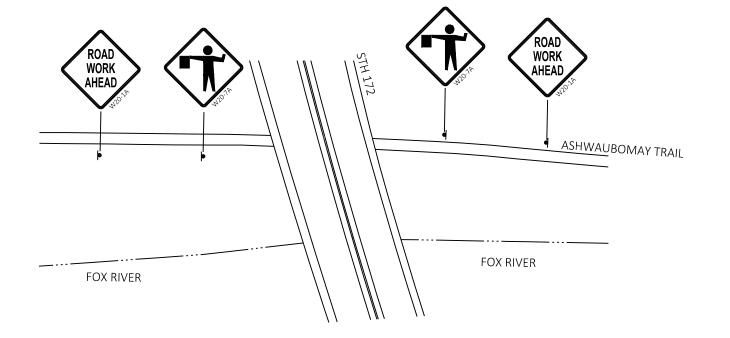


FILE NAME: N:\PDS\C3D\12100560\SHEETSPLAN\025002-TC.DWG PLOT DATE: 10/30/2017 1:22 PM PLOT BY: SMITH, JENNIFER B PLOT NAME: PLOT SCALE: 1 IN:100 FT WISDOT/CADDS SHEET 42 WISDOT/CADDS SHEET 42

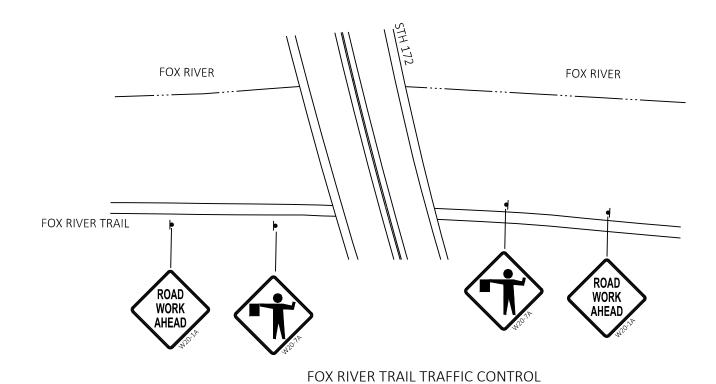
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ALL SIGNS ARE 24"X24" UNLESS OTHERWISE NOTED.

GENERAL NOTES



ASHWAUBOMAY TRAIL TRAFFIC CONTROL



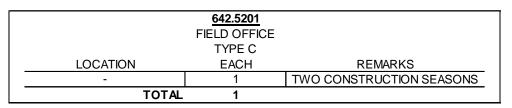
PROJECT NO: 1210-05-60 HWY: STH 172 COUNTY: BROWN FOX RIVER TRAIL & ASHWAUBOMAY TRAIL TRAFFIC CONTROL DETAILS SHEET N:\PDS\C3D\12100560\SHEETSPLAN\025003-TC.DWG LAYOUT NAME - 025003-TC PLOT NAME : PLOT BY: SMITH, JENNIFER B PLOT SCALE : FILE NAME : PLOT DATE : 10/23/2017 7:45 AM 1 IN:10 FT WISDOT/CADDS SHEET 42

					1210-05-60	
Line	Item	Item Description	Unit	Total	Qty	
0002	108.4300	RBC Progress Schedule	EACH	1.000	1.000	
0004	517.1800.S	Structure Repainting Recycled Abrasive (structure) 01. B-05-0149	LS	1.000	1.000	
0006	517.4500.S	Negative Pressure Containment and Collection of Waste Materials (structure) 01. B-05-0149	LS	1.000	1.000	
8000	517.6001.S	Portable Decontamination Facility	EACH	1.000	1.000	
0010	616.0700.S	Fence Safety	LF	750.000	750.000	
0012	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1210-05-60	EACH	1.000	1.000	
0014	619.1000	Mobilization	EACH	1.000	1.000	
0016	628.1504	Silt Fence	LF	470.000	470.000	
0018	628.1520	Silt Fence Maintenance	LF	470.000	470.000	
0020	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000	
0022	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000	
0024	628.6005	Turbidity Barriers	SY	450.000	450.000	
0026	642.5201	Field Office Type C	EACH	1.000	1.000	
0028	643.0300	Traffic Control Drums	DAY	63,342.000	63,342.000	
0030	643.0420	Traffic Control Barricades Type III	DAY	517.000	517.000	
0032	643.0705	Traffic Control Warning Lights Type A	DAY	1,034.000	1,034.000	
0034	643.0715	Traffic Control Warning Lights Type C	DAY	2,252.000	2,252.000	
0036	643.0800	Traffic Control Arrow Boards	DAY	128.000	128.000	
0038	643.0900	Traffic Control Signs	DAY	13,802.000	13,802.000	
0040	643.1050	Traffic Control Signs PCMS	DAY	116.000	116.000	
0042	643.5000	Traffic Control	EACH	1.000	1.000	
0044	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	3,280.000	3,280.000	
0046	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	2,400.000	2,400.000	
0048	SPV.0105	Special 01. Temporary Equipment Staging and Access Area	LS	1.000	1.000	
0050	SPV.0105	Special 02. Temporary Causeway for Structure B-05-0149	LS	1.000	1.000	

	TRAFFIC CONTROL SUMMARY															
		643.0 Traf	FIC	643.0 BARRIC	ADES		LIGHTS	643.0 WARNING		643.0 ARR	OW	643.0 TRAF	FIC	643.1 SIG	NS	
	APPROX.	DRL	JMS	TYP	E III	TYP	E A	TYPI	E C	BOAF	RDS	SIGN	IS	PCI	/IS	•
LOCATION	SERVICE DAYS		DAYS	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS	REMARKS
STH 172 WB / EB & STH 57 NB / SB	7		0		0		0		0		0		0	4	28	ADVANCED NOTICE (YEAR 1)
STH 172 WB / EB & STH 57 NB / SB	7		0		0		0		0		0		0	4	28	ADVANCED NOTICE (YEAR 2)
STH 57 NB	5	90	450	6	30	12	60	10	50	1	5	10	50	1	3	OUTSIDE LANE CLOSURE - SPAN
STH 57 SB	5	25	125	3	15	6	30	10	50	1	5	5	25	1	3	18 WORK
STH 57 NB	5	34	170	3	15	6	30	10	50	1	5	5	25		0	INSIDE LANE CLOSURE - SPAN 18
STH 57 SB	5	85	425	5	25	10	50	10	50	1	5	9	45		0	WORK
STH 172 WB	54	33	1782	3	162	6	324		0		0	3	162	1	54	LANE CLOSURE - MAINLINE - 3
STH 172 EB	54	75	4050	3	162	6	324	14	756	2	108	11	594		0	DAYS PER SPAN
STH 172 WB	54	64	3456	2	108	4	216	24	1296		0	6	324		0	LANE CLOSURE - RAMPS - 3 DAYS
STH 172 EB	54		0		0		0		0		0		0		0	PER SPAN
STH 172 WB	339	76	25764		0		0		0		0	8	2712		0	SHOULDER CLOSURES - MAINLINE
STH 172 EB	339	76	25764		0		0		0		0	8	2712		0	SHOULDER CLOSURES - IVIAINLINE
STH 57 NB	339		0		0		0		0		0	4	1356		0	WORK ZONEADVANCE SIGNS -
STH 57 SB	339		0		0		0		0		0	6	2034		0	MAINLINE
TO / FROM STH 172 WB	339		0		0		0		0		0	3	1017		0	WORK ZONE ADVANCE SIGNS -
TO / FROM STH 172 EB	339		0		0		0		0		0	6	2034		0	RAMPS
FOX RIVER TRAIL	339	4	1356		0		0		0		0	2	678		0	WORK ZONE ADVANCE SIGNS -
ASHWAUBOMAY RIVER TRAIL	17		0		0		0		0		0	2	34		0	TRAILS
	TOTAL		63342		517		1034		2252		128		13802		116	

	616.0700.S FENCE SAFETY	<u>618.0100</u> MAINT./REPAIR HAUL ROADS	628.1504 SILT FENCE	<u>628.1520</u> SILT FENCE MAINTENANCE	628.6005 TURBIDITY BARRIER	SPV.0105.01 TEMP. EQUIPMENT STAGING/ACCESS	SPV.0105.02 TEMPORARY CAUSEWAY	
LOCATION	LF	EACH	LF	LF	SY	LS	LS	REMARKS
STH 172 AT STH 57		1						
STH 172 AT STH 57			470	470		1		STAGING AREA
FOX RIVER - EAST BANK							1	
FOX RIVER - EAST BANK					450			REMOVAL OF CAUSEWAY - 10 FT BUFFER
FOX RIVER TRAIL	750							GUIDE PEDESTRIANS THRU CONSTRUCTION AREA
TOTAL	750	1	470	470	450	1	1	

	628.1905 MOBILIZATION EROSION CONTROL (EC)	<u>628.1910</u> MOBILIZATION EC EMERGENCY	
LOCATION	EACH	EACH	REMARKS
STH 172 AT STH 57	6	6	
TOTAL	6	6	



		108.4300	
		RBC PROGRESS	
		SCHEDULE	
_	LOCATION	EACH	REMARKS
	-	1	
	TOTAL		

PROJECT NO: 1210-05-60 HWY: STH 172 COUNTY: BROWN MISCELLANEOUS QUANTITIES SHEET: **E**

Standard Detail Drawing List

08E09-06	SILT FENCE
08E11-02	TURBI DI TY BARRI ER
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-06	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D15-03A	TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-03D	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-03E	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D21-04	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D29-05	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

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TYPICAL APPLICATION OF SILT FENCE

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

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

- \bigcirc HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 /S/ Beth Cannestra

29-05 /S/ Beth Cannestra
DATE CHIEF ROADWAY DEVELOPMENT ENGINEER

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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.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

- ① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.
- 2 SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
- (3) WHEN BARRIER HEIGHT, H. EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.
- (4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.
- (5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MIMIMUM BARRIER HEIGHT SHALL BE 2'GREATER THAN EITHER THE 02 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WICHEVER IS GREATER.
- (6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BED ROCK PREVENTS THE INSTALLATION OF POSTS.
- (7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.
- (8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.





SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

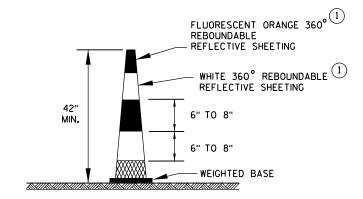
6/04/02 /S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER ∞

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DRUM

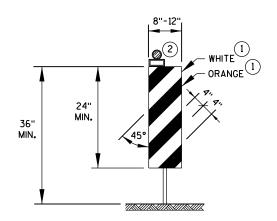
TYPE 2 BARRICADE

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



42" CONE

DO NOT USE IN TAPERS 1/2 SPACING OF DRUMS

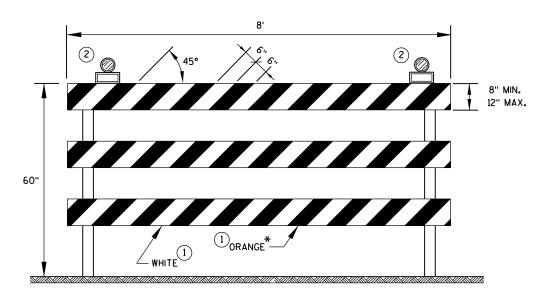


VERTICAL PANEL

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

GENERAL NOTES

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



TYPE 3 BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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APPROVED

June 2017
DATE

WORK ZONE ENGINEER
FHWA

S.D.D. 15 C 1

6

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STOP/SLOW PADDLE ON SUPPORT STAFF

5' MIN.

WORK

AHEAD

48" X 24"

END ROAD WORK G20-2A

(2)

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W20-1A

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.

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

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

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.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

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 RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

- 1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

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GENERAL NOTES LEGEND THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. 4 OR MORE DAYS AND NIGHTS. TYPE III BARRICADE WITH ATTACHED SIGN THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION. SIGN ON PERMENENT SUPPORT IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING DELINEATION. THE DEVICE SPACING MAY BE DECREASED TO 50 FEET. LEFT LANE. TRAFFIC CONTROL DRUM ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST FLASHING ARROW BOARD "WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE. MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" TYPE "A" WARNING LIGHT (FLASHING) 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 SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS. * X -X REMOVING PAVEMENT MARKING CROSSOVER MANEUVER. CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS * THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL. DIRECTION OF TRAFFIC 1500 FEET IN FRONT OF DRUMS. FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS. THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS. 6 6 WORK CLOSED CLOSED I MILE 1500 F XX м.Р.н 36"×36" IF NEEDED. USE ONLY TYPE III BARRICADE IF DESIGN SPEED IS TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE SPACED EVERY 1/4 MILE. 10 MPH BELOW 4-INCH EDGELINE (WHITE ON RIGHT, YELLOW ON LEFT) POSTED SPEED. 100' \Rightarrow \Rightarrow \Longrightarrow WORK AREA 50' L/2 500' MIN. - 800' DESIRABLE 575 L. TAPER 500 50 MPH - 600' 55 MPH - 660' 2600' 1600' 1000' 60 MPH - 720' TRAFFIC CONTROL, 9 65 MPH - 780' D 70 MPH - 840' LANE CLOSURE 5 DRUMS SPACED @ 10' INTERVALS AS 2 Ö NEEDED IN FRONT OF ARROW BOARD 15 Δ STATE OF WISCONSIN ADVANCED WARNING AREA TRANSITION AREA BUFFER SPACE DEPARTMENT OF TRANSPORTATION D **APPROVED** /S/ Peter Amakobe Atepe 2 March 2016 STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER Ω 6 FHWA

PARALLEL ENTRANCE RAMP

GENERAL NOTES

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

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

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

(PLACE 1000' IN

ADVANCE OF GORE)

ALL SIGNS ARE 48"×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 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

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

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH
TYPE "C" STEADY BURN LIGHT

TYPE III BARRICADE WITH

XXXX REMOVING PAVEMENT MARKING

> DIRECTION OF TRAFFIC

TRAFFIC CONTROL,
PARALLEL ENTRANCE RAMP
WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 /S/ Andrew Heidtke

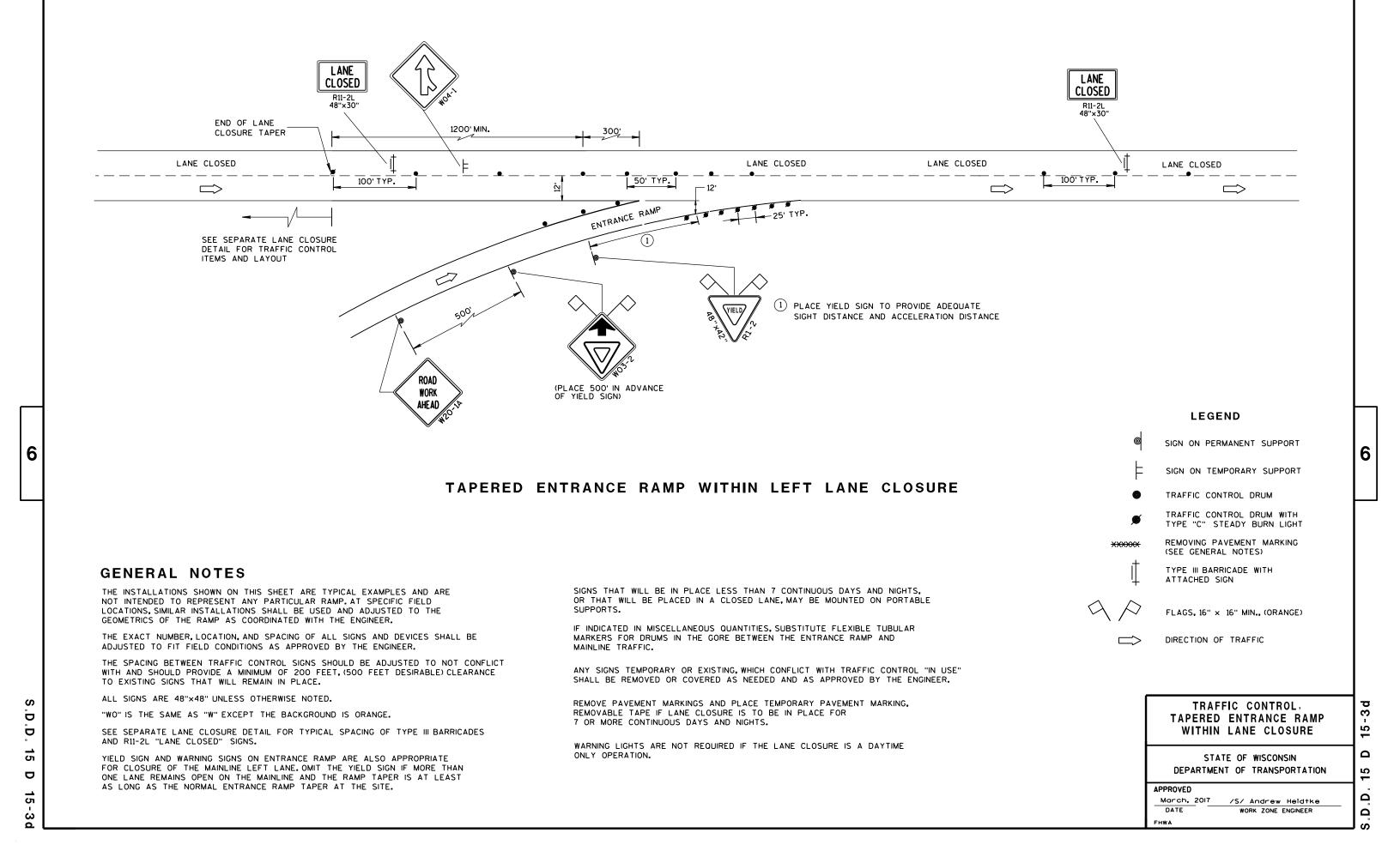
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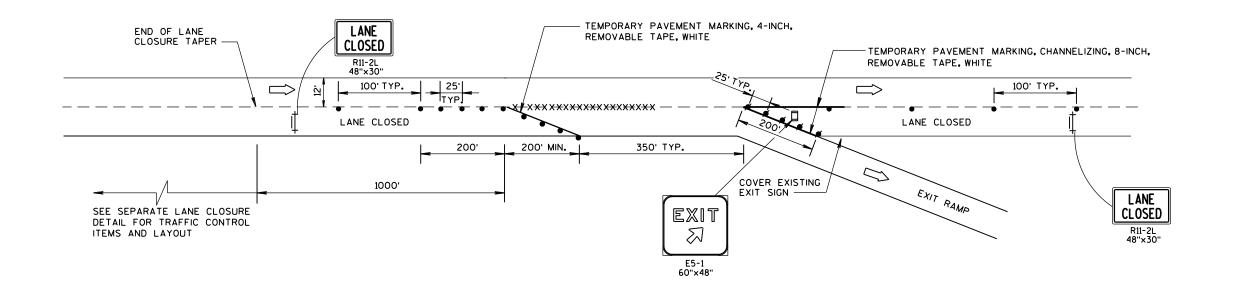
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PARALLEL EXIT RAMP

GENERAL NOTES

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

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

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

ALL SIGNS ARE 48"×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.

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

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

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

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

LEGEND

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

TYPE III BARRICADE WITH ATTACHED SIGN

FLAGS, 16" × 16" MIN., (ORANGE)

DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED March, 2017	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

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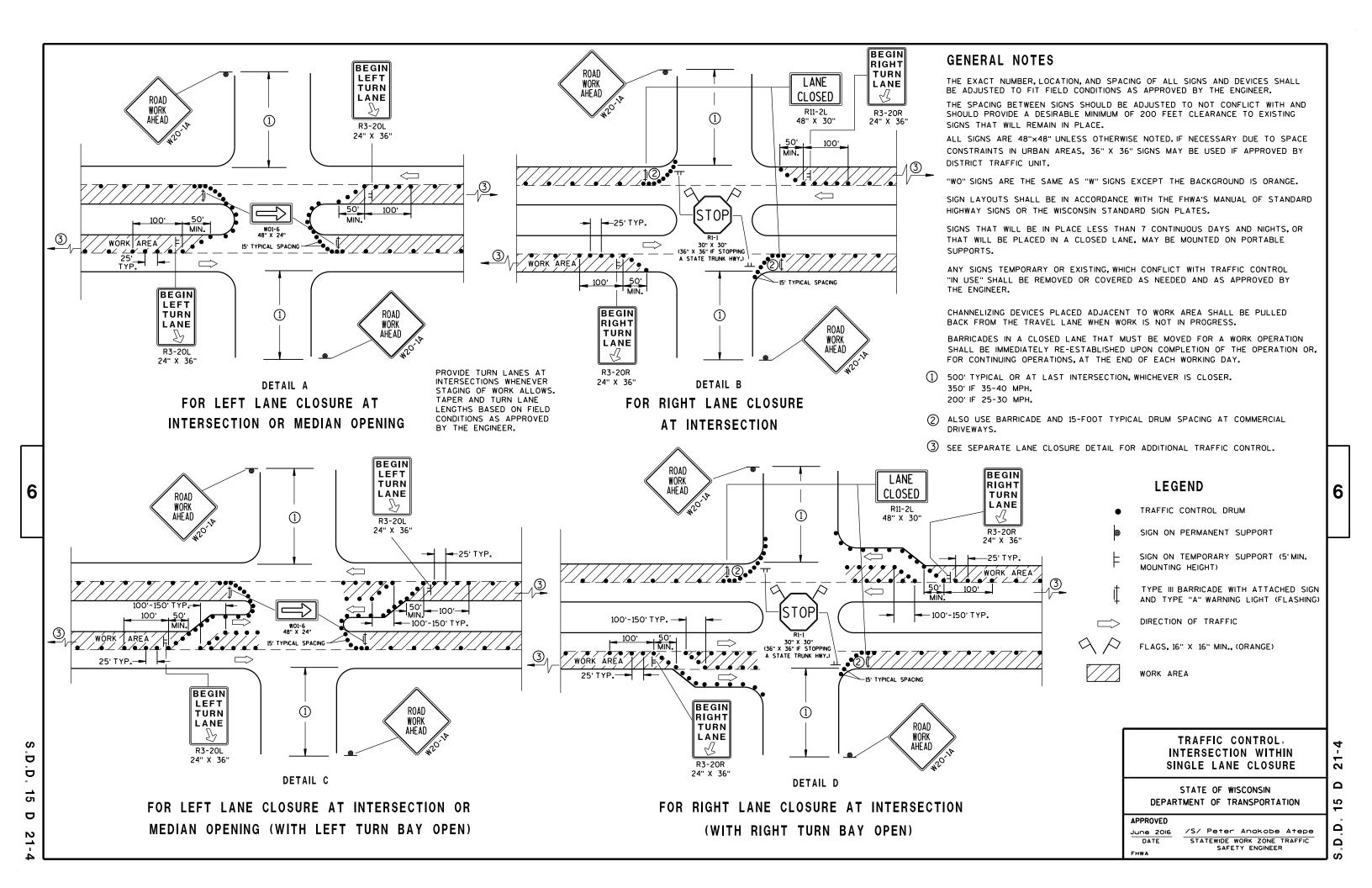
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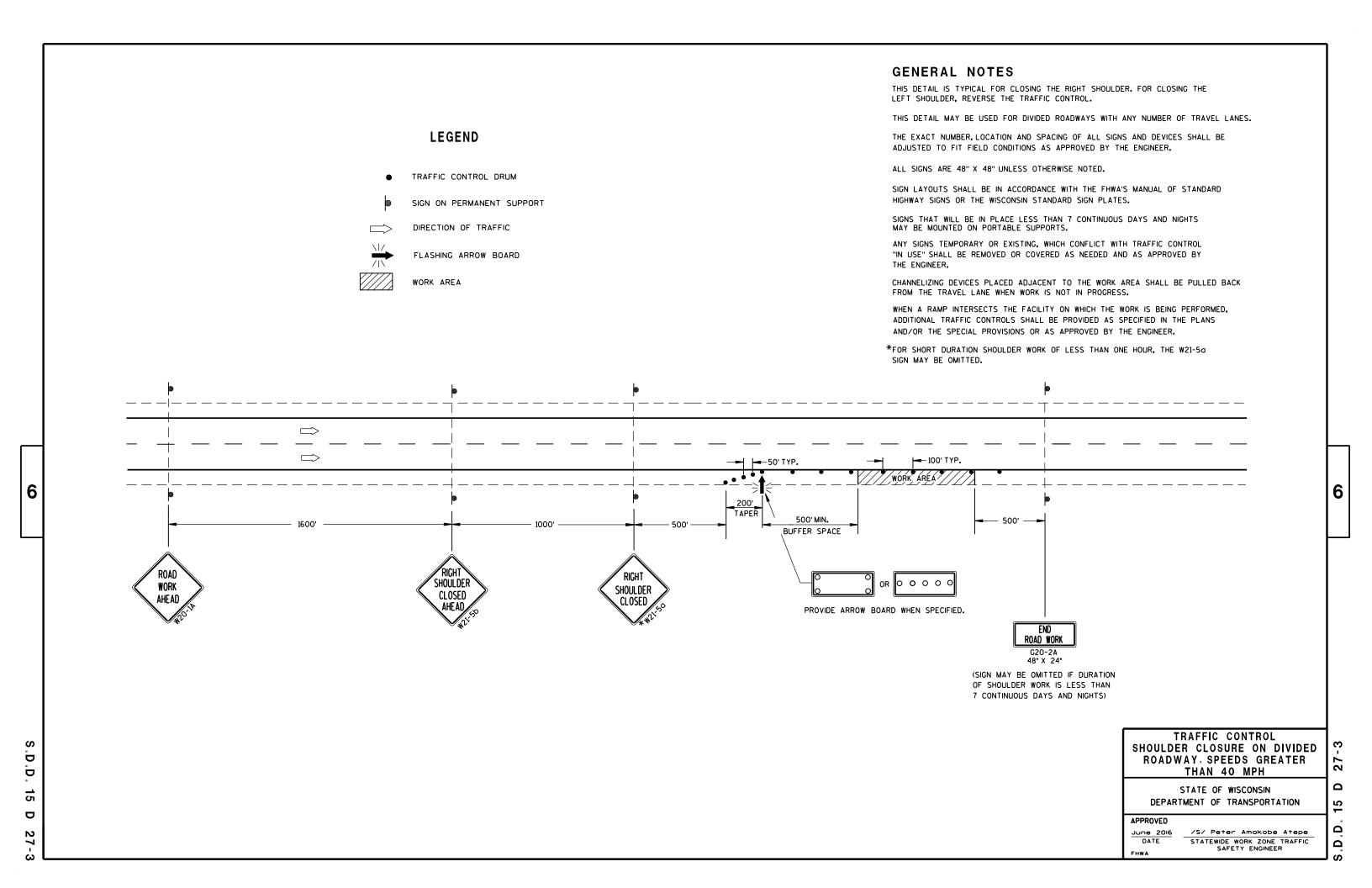
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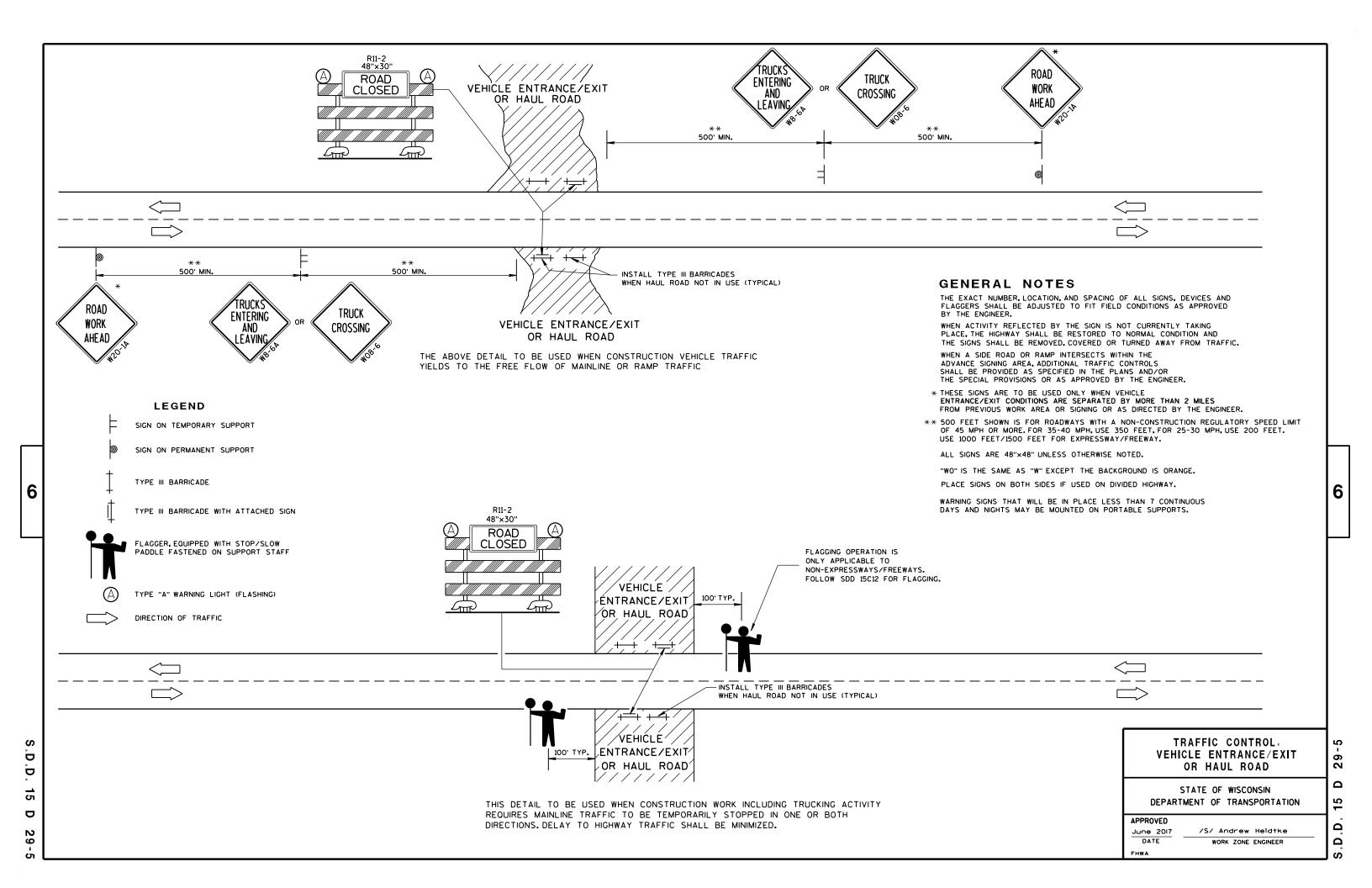
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TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SO. 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 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE). SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

URBAN AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

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 REQUIREM	MENTS	NUMBER OF	
L	E	WOOD POSTS REQUIRED	
48" OR LESS AND LESS THAN 20 SO.FT.	-	1	
LESS THAN 60"	12"	2	٤
60" TO 120"	L/5	2	
GREATER THAN 120" LESS THAN 168"	12"	3	
168" AND GREATER	12"	4	

SEE NOTE (3)

RURAL AREA

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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- 11/2" DIAMETER HOLES

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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 - 1/6" 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 - 1/32 " (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.

> ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017 /S/ Andrew Heidtke DATE WORK ZONE ENGINEER FHWA

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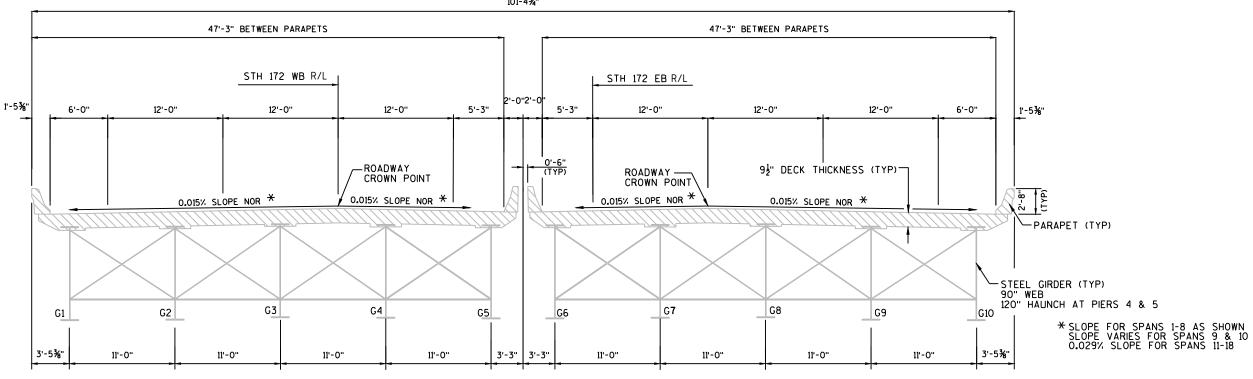
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1210-05-60

101-4¾"



EXISTING STH 172 CROSS SECTION THRU ROADWAY - SPANS 1 THROUGH 14 (LOOKING EAST)

NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON ASBUILT STRUCTURE PLANS.

SEE HIGHWAY STRUCTURE INFORMATION SYSTEM FOR ADDITIONAL DETAIL.

PAINT COLOR SHALL BE FEDERAL STANDARD COLOR NO. 25240 BLUE.

ALL EXPOSED STEEL SURFACES UNDERNEATH THE BRIDGE ARE TO BE CLEANED AND PAINTED. THE SURFACES INCLUDE GIRDERS, CROSS FRAMING, DIAPHRAGMS, STIFFENERS, BEARINGS AND CONNECTIONS.

FORTY-SIX (46) FIBERGLASS DOWNSPOUTS HAVE BEEN IDENTIFIED ON THE STRUCTURE. PRIOR TO BLASTING OPERATIONS, REMOVE DOWNSPOUT BRACKETS FROM GIRDER WEB AND STORE. REINSTALL DOWNSPOUT BRACKETS AFTER PAINTING OPERATIONS ARE COMPLETE. COVER AND PROTECT FIBERGLASS DOWNSPOUTS TO AVOID DAMAGE DURING BLASTING AND PAINTING OPERATIONS. THIS WORK IS INCIDENTAL TO BID ITEM 517.1800.S.

DOT LIGHTING CONDUIT LOCATED ON THE FRONT FACE OF BOTH ABUTMENTS. NAVIGATIONAL LIGHTING, CONDUIT, AND JUNCTION BOXES LOCATED IN SPAN 5, AND ON PIER 4 AND PIER 5. DO NOT PAINT THESE FACILITIES. PROTECT TO AVOID DAMAGE DURING BLASTING AND PAINTING OPERATIONS.

BRIDGE COMPONENTS CONSIST OF ROCKER BEARINGS AND PIN AND HANGER

DESIGN DATA

LIVE LOAD (TAKEN FROM HSI - 10/2/2017) DESIGN LOADING: HS=20 INVENTORY RATING: HS=20 OPERATING RATING: HS=33 WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV)=250 (KIPS)

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTAL
51 7. 1800.S	STRUCTURE REPAINTING RECYCLED ABRASIVE B-5-149	LS	1
517.4500.S	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-5-149	LS	1
517.6001.5	PORTABLE DECONTAMINATION FACILITY	EACH	1

FOR INFORMATION ONLY: APPROXIMATELY 852,615 SF OF STRUCTURAL STEEL

CONTACTS

NE REGION PROJECT MANAGER ERIC GWIDT (920) 366-8896

BUREAU OF STRUCTURES WILLIAM DREHER (608) 266-8489

LIST OF DRAWINGS

- STH 172 CROSS SECTION, NOTES & QUANTITIES STH 172 CROSS SECTOIN & DOWNSPOUT DETAIL
- PART FRAMING PLAN (SPANS 1 THROUGH 14)
- PART FRAMING PLAN (SPANS 15 THROUGH 18) GENERAL PLAN WEST PORTION
- GENERAL PLAN MIDDLE PORTION GENERAL PLAN EAST PORTION

Plans Prepared By	W I	SD	OT					
ACCEPTED William C. K. CHIEF STRUCTURES D			01/10 DA					
STRUCTURE B-5-149								
STH 172 OVER FOX RIVER & STH 57								
COUNTY BROWN	VILLAGE ASHWAUBENON			IBENON				
ESIGN SPEC. REHABILITATION N/A								
DESIGNED DESIGN BY MAJ CK'D. EAD	DRAWN By	JBS	PLANS CK'D.	ESG				
STH 172 CROS SECTION, NOTI & QUANTITIES	ES	SH	HEET 1	OF 7				
			I.D. 12	10-05-60				

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LAYOUT NAME - 080101-st1

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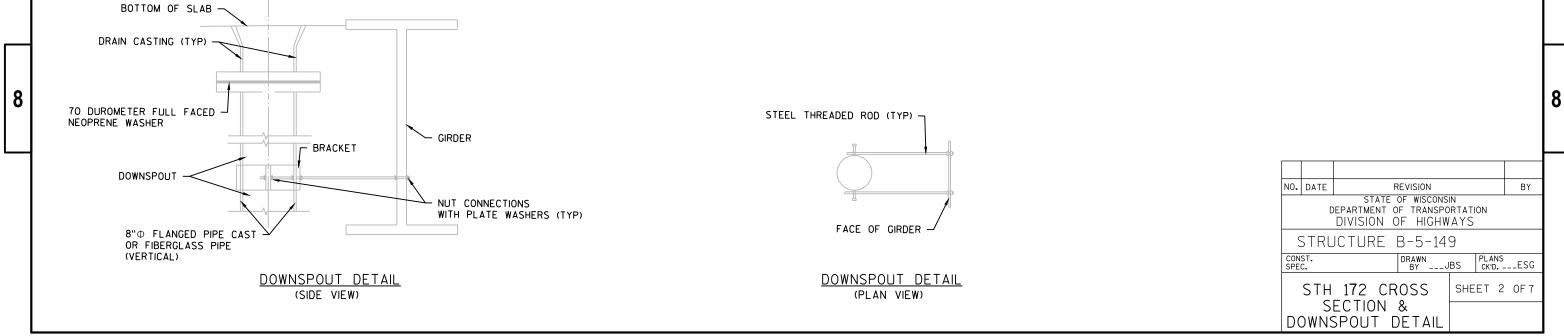
PLOT BY: SMITH, JENNIFER B

STATE PROJECT NUMBER
1210-05-60

VARIES STH 172 EB R/L VARIES 4'-0" 5'-3" VARIES 9½" DECK THICKNESS (TYP) 0.029% SLOPE * 0.029% SLOPE * PARAPET (TYP) STEEL GIRDER (TYP) G3 G4 G1 G1A G2 G5 G1B G9 G10 VARIES VARIES VARIES

> * SLOPE FOR SPANS 1-8 AS SHOWN SLOPE VARIES FOR SPANS 9 & 10 0.029% SLOPE FOR SPANS 11-18

EXISTING STH 172 CROSS SECTION THRU ROADWAY - SPANS 15 THROUGH 18 (LOOKING EAST)



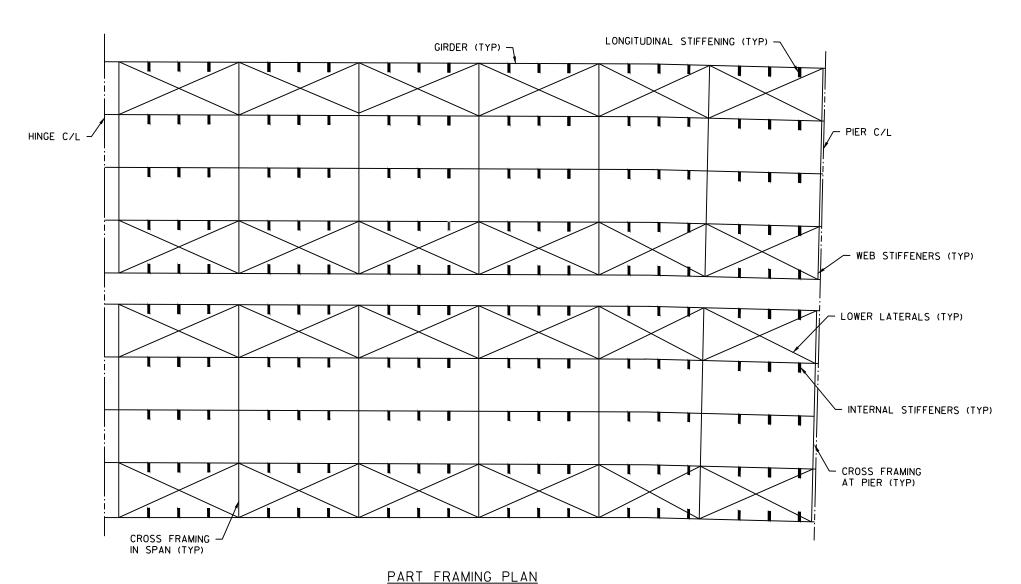
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LAYOUT NAME - 080101-st2

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STATE PROJECT NUMBER

1210-05-60

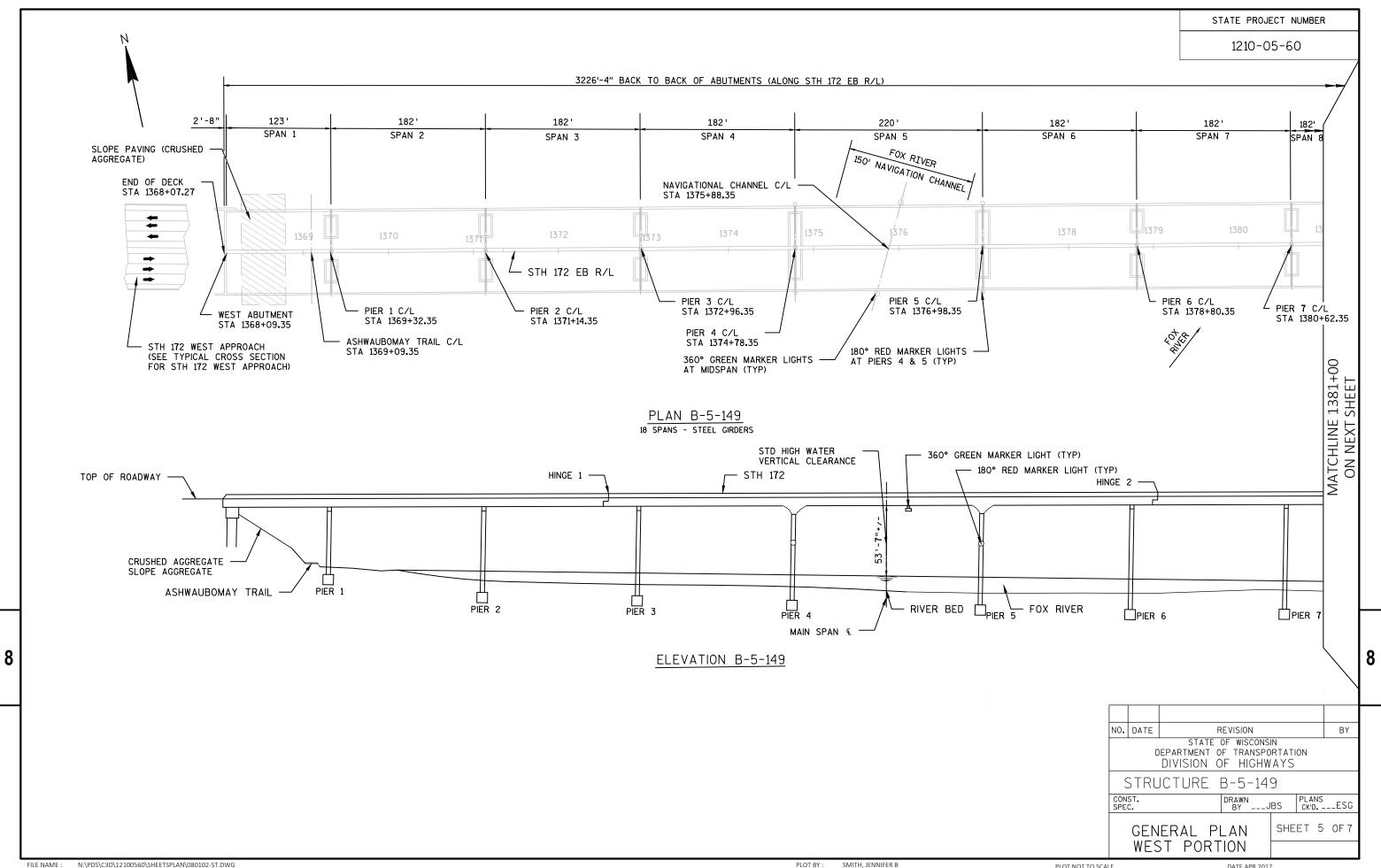


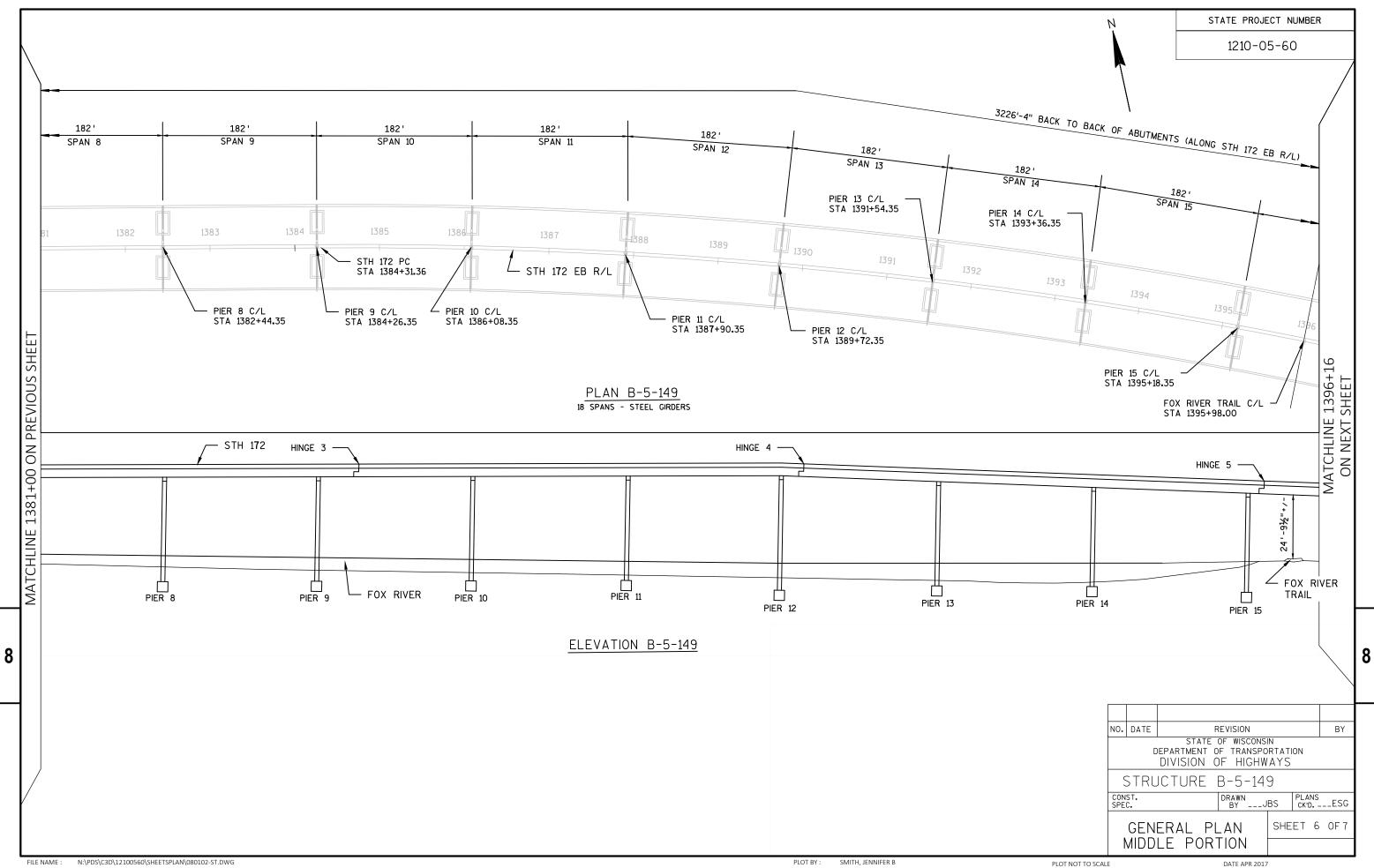
(SPANS 1 THROUGH 14)
FOR INFORMATION ONLY

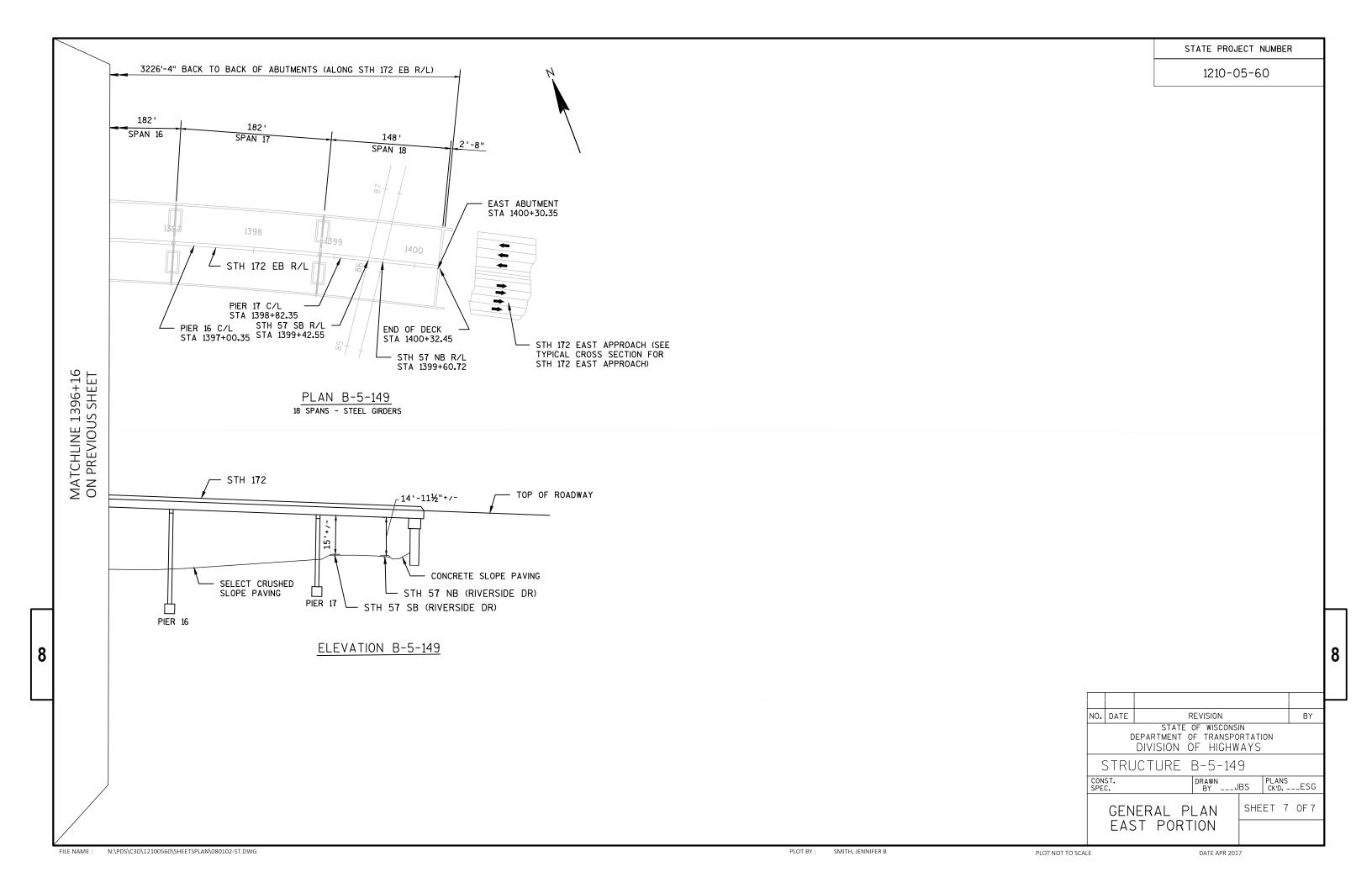
NO.	DATE	REVISION				BY		
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS							
STRUCTURE B-5-149								
CON SPE			DRAWN BYJ	BS	PLANS CK'D	ESG		
PART FRAMING				SHEET 3 OF 7				
		PLAN						

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STATE PROJECT NUMBER 1210-05-60 GIRDER (TYP) 7 17 LONGITUDINAL STIFFENING (TYP) 1 1 1 ── BRIDGE EAST ABUTMENT C/L PIER C/L -WEB STIFFENERS (TYP) LOWER LATERALS (TYP) -INTERNAL STIFFENERS (TYP) -1 1 1 1 CROSS FRAMING -AT PIER (TYP) 8 CROSS FRAMING IN SPAN (TYP) NO. DATE REVISION BY PART FRAMING PLAN STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS (SPANS 15 THROUGH 18) FOR INFORMATION ONLY STRUCTURE B-5-149 DRAWN PLANS CK'D. -_-ESG SHEET 4 OF 7 PART FRAMING PLAN FILE NAME : N:\PDS\C3D\12100560\SHEETSPLAN\080101-ST.DWG PLOT DATE : 10/17/2017 8:57 AM PLOT BY: SMITH, JENNIFER B I.D. 1210-05-60









Wisconsin Department of Transportation

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