TELEPHONE POLE

FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT 1190-10-82 _ 1190-10-83 1190-10-84

NW REGION. VAR CTYS US HIGHWAY 53

BRIDGE DECK SEALING (VARIOUS BRDGS)

USH 53 EAU CLAIRE COUNTY

> STATE PROJECT NUMBER 1190-10-83

NW REGION, VAR CTYS US HIGHWAY 53

BRIDGE DECK SEALING (VARIOUS BRDGS)

BARRON, DOUGLAS & WASHBURN COUNTY

STATE PROJECT NUMBER



Surveyor .	N/A
Designer .	KL ENGINEERING / WISDOT
Project Manager .	MOHAMAD HAYEK
Regional Examiner .	TOU YANG
Regional Supervisor.	MARK PLOEDERER

2

AREA CONTACTS

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EAU CLAIRE, WI 54701
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DNR (WASHBURN)

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WISDOT NW REGION AREA MAINTENANCE COORDINATORS

CHIPPEWA & EAU CLAIRE COUNTY

RICHARD RICKSECKER (715) 225-9318

DOUGLAS & WASHBURN COUNTY

MIKE LARSON

Michael1.Larson@dot.wi.gov

BARRON COUNTY

CHUCK SMITH (715) 635-5012

WISDOT NW REGION MAINTENANCE SUPERVISOR

EAU CLAIRE OFFICE

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WISDOT NW REGION CONTACTS

MOHAMAD HAYEK 718 W. CLAIREMONT AVENUE EAU CLAIRE, WI 54701 (715) 836-2065



WCL (CN) CALL BEFORE YOU DIG 1-734-783-4533

UP CALL BEFORE YOU DIG 1-800-336-9193

GENERAL NOTES

- 1) WORK CONSISTS OF PREPARATION OF UPPER SIDE OF CONCRETE DECK, PARAPET SURFACE, AND PIER COLUMNS AND APPLICATION OF CONCRETE PROTECTIVE SURFACE TREATMENT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
- 2) THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR WILL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.
- 3) USH 53 WILL BE KEPT OPEN TO A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES.
- 4) LANE CLOSURES WILL ONLY BE ALLOWED DURING TIMES SPECIFIED IN THE SPECIAL PROVISIONS.
- 5) SIGNS AND DEVICES WILL BE IN CONFORMANCE WITH THE WI MANUAL OF TRAFFIC CONTROL DEVICES (WMUTCD).
- 6) THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES WILL BE ADJUSTED TO FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

RAILROAD NOTES

RAILROAD INSURANCE AND COORDINATION REQUIRED FOR ANY AND ALL WORK ON STRUCTURES THAT SPAN PROPERTY OWNED BY RAILROAD COMPANIES. WORK UNDER THIS CONTRACT INVOLVES WORK ON THE UPPER SIDE OF STRUCTURES THAT SPAN PROPERTY OWNED BY THE FOLLOWING RAILROAD COMPANIES. SEE SPECIAL PROVISIONS FOR CONTRACT INFORMATION.

- UNION PACIFIC RAILROAD COMPANY
- WISCONSIN CENTRAL LTD

DECK NOTES

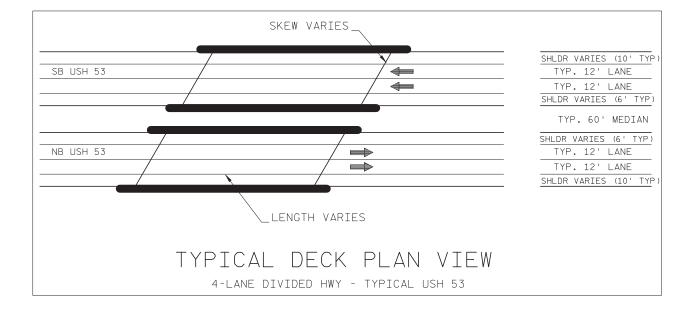
-ENTIRE DECK SURFACE TO BE CLEANED AND SEALED.
-INLET PROTECTION REQUIRED DURING CLEANING AND
SEALING WORK ON THE STRUCTURES WITH FLOOR DRAINS.
-USE TYPE FF FABRIC DURING CLEANING ACTIVITIES.
-USE IMPERVIOUS FABRIC DURING SEALING ACTIVITIES.

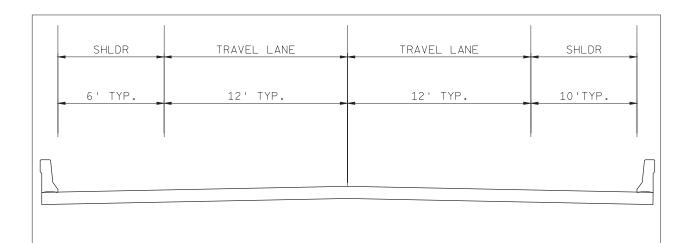
PIER COLUMN NOTES

-PIER COLUMN SEALING ESTIMATED QUANTITY IS BASED ON A 10-FT COLUMN HEIGHT FOR EACH COLUMN ON EACH PIER.

PARAPET NOTES

- -INSIDE FACE AND TOP TO BE CLEANED AND SEALED.
- -TOP SURFACE TO BE ROLLER OR BRUSHED.
- -PARAPET TYPE AND HEIGHT VARIES.
- -SURFACE AREA INCLUDED IN QUANTITY SUMMARY. -AVG 2'-6" HEIGHT USED FOR QUANTITY ESTIMATE.



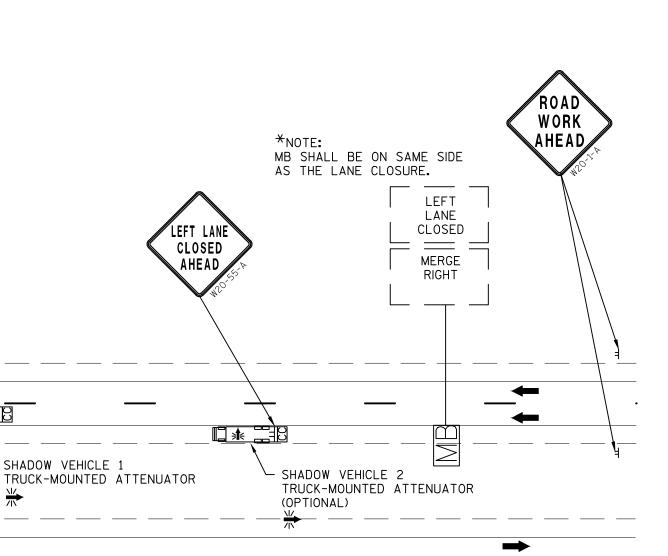


TYPICAL DECK CROSS SECTION VIEW

4-LANE DIVIDED HWY - TYPICAL USH 53

PROJECT NO:1190-10-82/83/84 HWY:USH 53 COUNTY: VARIOUS COUNTIES GENERAL NOTES SHEET E





STANDARD NOTES:

- ARROW BOARDS SHALL, AS A MINIMUM BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

FLASHING ARROW BOARD

DIRECTION OF TRAFFIC

PORTABLE CHANGEABLE MESSAGE BOARD

OSCILLATING, OR STROBE LIGHTS

LANE DELINEATION: DRUM OR CONE

TRUCK-MOUNTED ATTENUATOR

SIGN ON TEMPORARY SUPPORT

VEHICLE WITH HIGH-INTENSITY ROTATING, FLASHING,

STRUCTURE

WORK VEHICLE

TRUCK-MOUNTED ATTENUATOR

WORK AREA

CC

- VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSTRUCTED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VEHICLE WHEN WORK IS NOT IN PROGRESS.
- SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

STRUCTURE

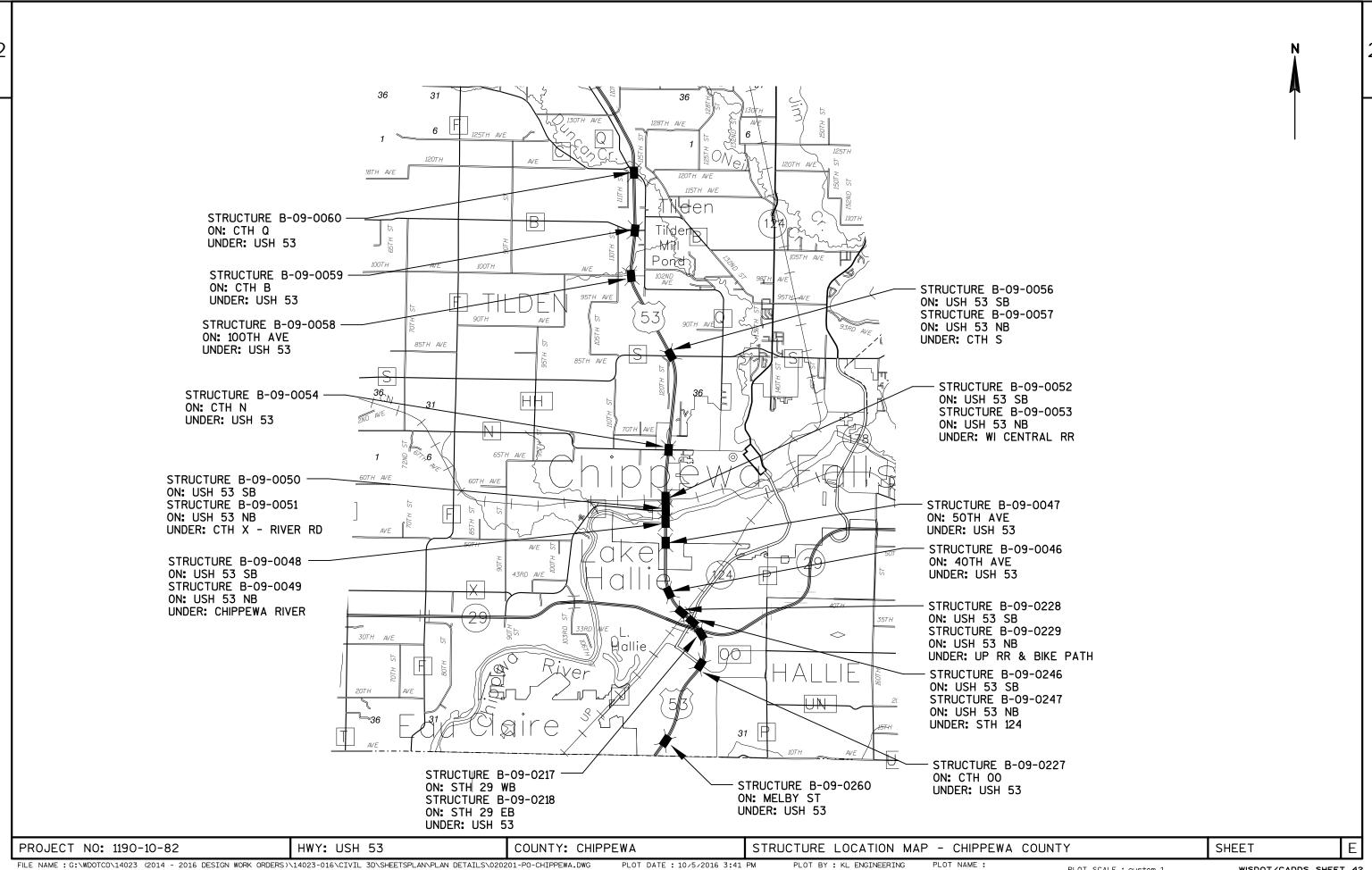
- AN ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED. A SEPARATE ARROW BOARD SHALL BE USD FOR EACH LANE CLOSED.

GENERAL NOTES:

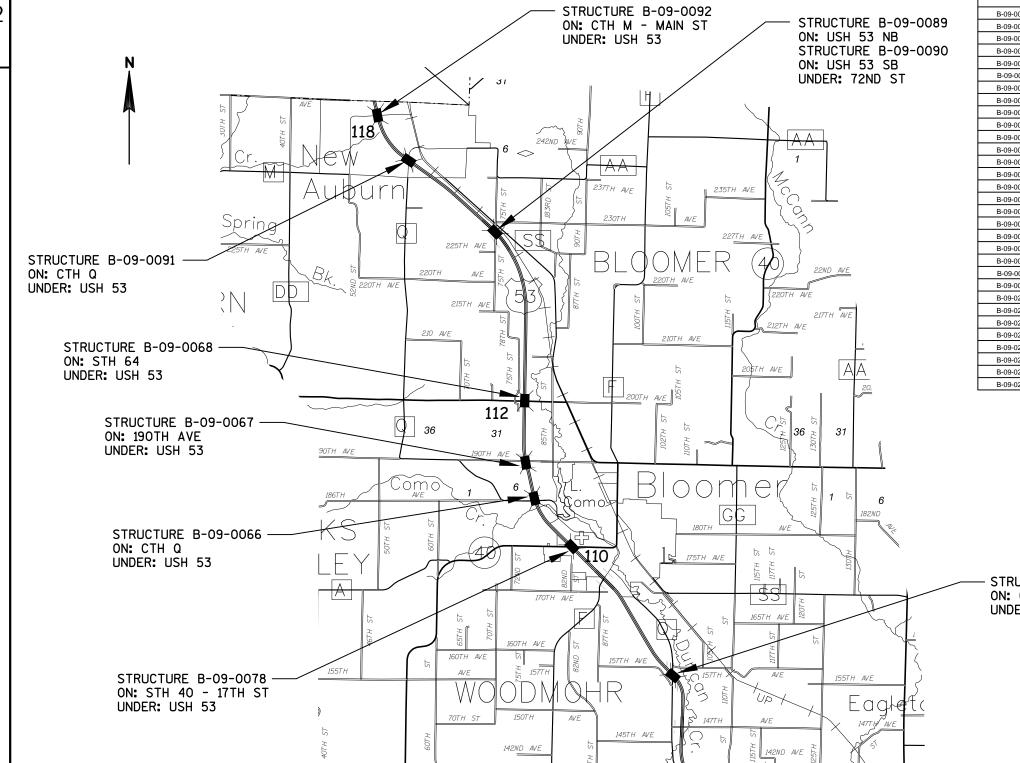
SHADOW VEHICLE 1

- THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- THE LANE CLOSURE IS TYPICAL FOR CLOSING LEFT LANE REVERSE FOR CLOSING THE RIGHT LANE.
- CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE VEHICLES FOR A MINIMUM 1500 FEET IN FRONT OF SHADOW VEHICLE 1.
- MULTIPLE PCMS MAY BE NECESSARY BASED ON ROADWAY GEOMETRICS AND LOCATION OF ENTRANCE RAMPS OR SIDE ROADS.
- SHORT-TERM STATIONARY WORK ONLY. FOLLOW SDD 15D12 IF LANE CLOSURE IS IN PLACE LONG-TERM.

HWY: USH 53 PROJECT NO: 1190-10-82/83/84 COUNTY: NORTHWEST REGION TRAFFIC CONTROL SHEET

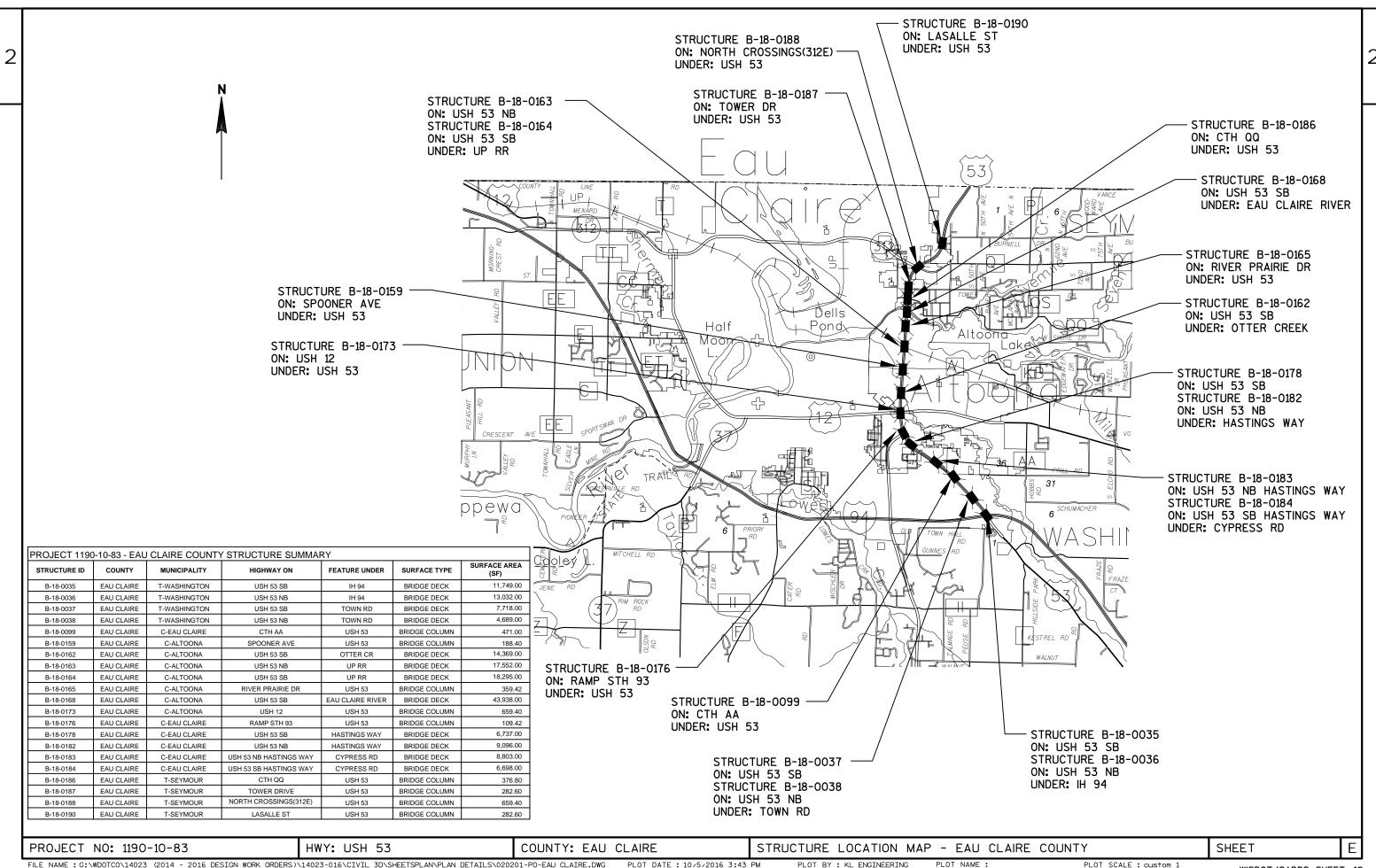


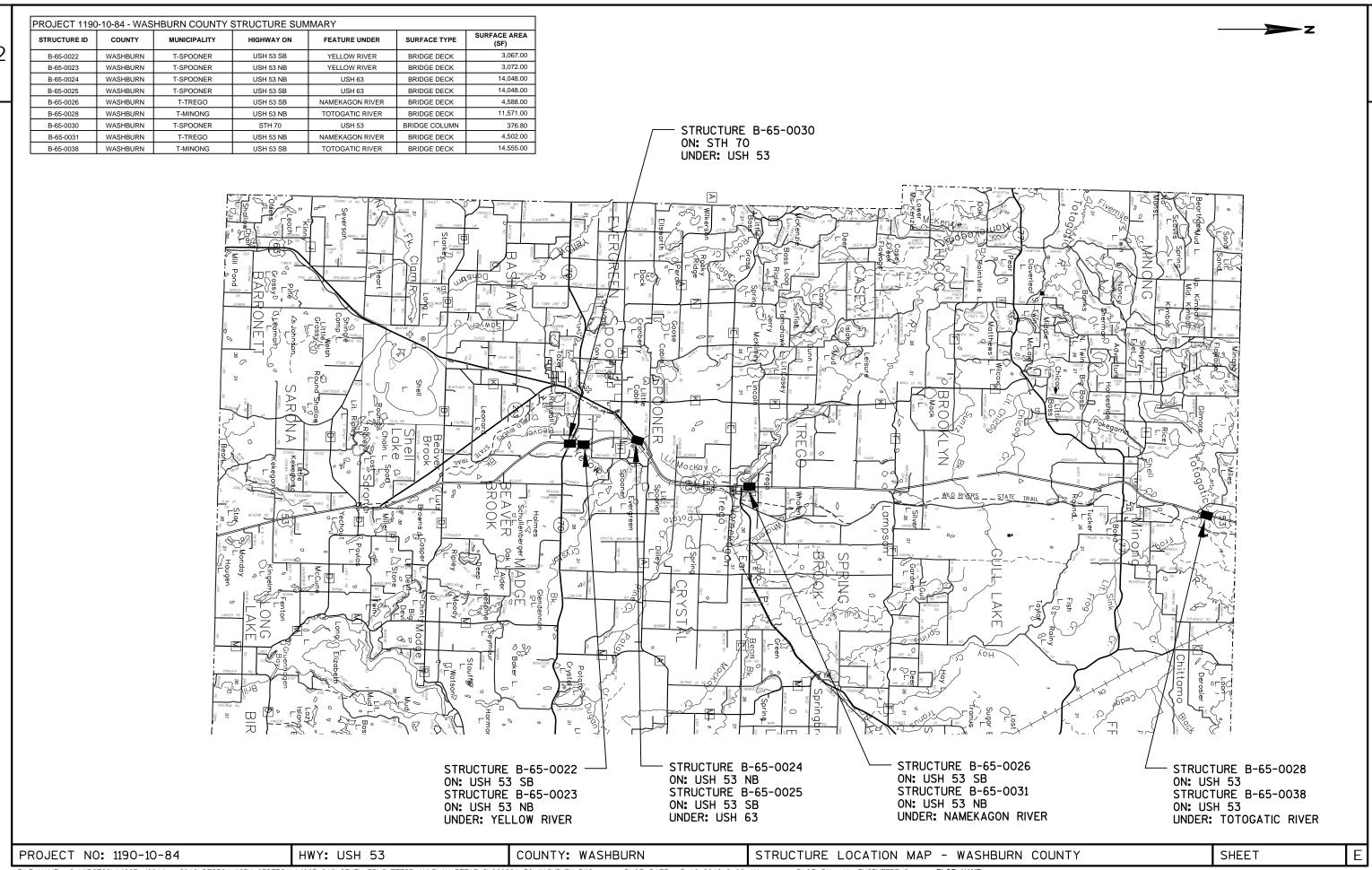




STRUCTURE ID	COUNTY	MUNICIPALITY	HIGHWAY ON	FEATURE UNDER	SURFACE TYPE	SURFACE ARI (SF)
B-09-0046	CHIPPEWA	T-HALLIE	40TH AVE.	USH 53	BRIDGE COLUMN	282
B-09-0047	CHIPPEWA	T-HALLIE	50TH AVE.	USH 53	BRIDGE COLUMN	282
B-09-0048	CHIPPEWA	C-CHIPPEWA FALLS	USH 53 SB	CHIPPEWA RIVER	BRIDGE DECK	25,843
B-09-0049	CHIPPEWA	C-CHIPPEWA FALLS	USH 53 NB	CHIPPEWA RIVER	BRIDGE DECK	22,971
B-09-0050	CHIPPEWA	C-CHIPPEWA FALLS	USH 53 SB	OLD STH 29-RIVER RD	BRIDGE DECK	9,343
B-09-0051	CHIPPEWA	C-CHIPPEWA FALLS	USH 53 NB	CTH X-RIVER RD	BRIDGE DECK	8,374
B-09-0052	CHIPPEWA	C-CHIPPEWA FALLS	USH 53 SB	WI CENTRAL RR	BRIDGE DECK	12,574
B-09-0053	CHIPPEWA	C-CHIPPEWA FALLS	USH 53 NB	WI CENTRAL RR	BRIDGE DECK	14,155
B-09-0054	CHIPPEWA	T-WHEATON	CTH N	USH 53	BRIDGE COLUMN	282
B-09-0056	CHIPPEWA	T-TILDEN	USH 53 SB	CTH S	BRIDGE DECK	7,776
B-09-0057	CHIPPEWA	T-TILDEN	USH 53 NB	CTH S	BRIDGE DECK	7,776
B-09-0058	CHIPPEWA	T-TILDEN	100TH AVE.	USH 53	BRIDGE COLUMN	188
B-09-0059	CHIPPEWA	T-TILDEN	CTH B	USH 53	BRIDGE COLUMN	282
B-09-0060	CHIPPEWA	T-TILDEN	CTH Q	USH 53	BRIDGE COLUMN	282
B-09-0063	CHIPPEWA	T-WOODMOHR	CTH Q	USH 53	BRIDGE COLUMN	282
B-09-0066	CHIPPEWA	T-WOODMOHR	CTH Q	USH 53	BRIDGE COLUMN	282
B-09-0067	CHIPPEWA	T-WOODMOHR	190TH AVE.	USH 53	BRIDGE COLUMN	188
B-09-0068	CHIPPEWA	T-BLOOMER	STH 64	USH 53	BRIDGE COLUMN	282
B-09-0078	CHIPPEWA	C-BLOOMER	STH 40-17TH ST	USH 53	BRIDGE COLUMN	282
B-09-0089	CHIPPEWA	T-BLOOMER	USH 53 NB	72ND ST.	BRIDGE DECK	7,717
B-09-0090	CHIPPEWA	T-BLOOMER	USH 53 SB	72ND ST.	BRIDGE DECK	7,901
B-09-0091	CHIPPEWA	V-NEW AUBURN	CTH Q	USH 53	BRIDGE COLUMN	282
B-09-0092	CHIPPEWA	V-NEW AUBURN	CTH M MAIN ST	USH 53	BRIDGE COLUMN	376
B-09-0217	CHIPPEWA	T-HALLIE	STH 29 WB	USH 53 NB	BRIDGE COLUMN	471
B-09-0218	CHIPPEWA	T-HALLIE	STH 29 EB	USH 53	BRIDGE COLUMN	376
B-09-0227	CHIPPEWA	T-HALLIE	CTH OO	USH 53	BRIDGE COLUMN	565
B-09-0228	CHIPPEWA	T-HALLIE	USH 53 SB	UP RR & BIKE PATH	BRIDGE DECK	10,162
B-09-0229	CHIPPEWA	T-HALLIE	USH 53 NB	UP RR & BIKE PATH	BRIDGE DECK	9,445
B-09-0246	CHIPPEWA	T-HALLIE	USH 53 SB	STH 124 NB	BRIDGE DECK	10,223
B-09-0247	CHIPPEWA	T-HALLIE	USH 53 NB	STH 124	BRIDGE DECK	12,287
B-09-0262	CHIPPEWA	T-HALLIE	MELBY STREET	USH 53	BRIDGE COLUMN	188

STRUCTURE B-09-0063 ON: CTH Q UNDER: USH 53





Page 1

Estimate Of Quantities

					1190-10-82	1190-10-83	1190-10-84
Line	Item	Item Description	Unit	Total	Qty	Qty	Qty
0010	213.0100	Finishing Roadway (project) 01. 1190-10-82	EACH	1.000	1.000		
0020	213.0100	Finishing Roadway (project) 02. 1190-10-83	EACH	1.000		1.000	
0030	213.0100	Finishing Roadway (project) 03. 1190-10-84	EACH	1.000			1.000
0040	502.3215.S	Protective Surface Treatment Reseal	SY	59,886.230	19,080.860	18,451.690	22,353.680
0050	619.1000	Mobilization	EACH	1.000	0.300	0.300	0.400
0060	628.7010	Inlet Protection Type B	EACH	85.000	20.000	15.000	50.000
0070	643.0100	Traffic Control (project) 01. 1190-10-82	EACH	1.000	1.000		
0800	643.0100	Traffic Control (project) 02. 1190-10-83	EACH	1.000		1.000	
0090	643.0100	Traffic Control (project) 03. 1190-10-84	EACH	1.000			1.000
0100	643.1051	Traffic Control Signs PCMS with Cellular Communications	DAY	60.000	20.000	20.000	20.000

FINISHING ROADWAY

			213.0100
CATEGORY	PROJECT	LOCATION	EACH
0010	1190-10-82	USH 53	1
	TOTAL		1

INLET PROTECTION

				628.7010
				TYPE B
CATEGORY	STRUCTURE	ROADWAY	LOCATION	EACH
0010	B-09-0048	USH 53 SB	CHIPPEWA RIVER	4
0010	B-09-0049	USH 53 NB	CHIPPEWA RIVER	6
0010	B-09-0052	USH 53 SB	WI CENTRAL RR	2
0010	B-09-0053	USH 53 NB	WI CENTRAL RR	2
0010	B-09-0056	USH 53 SB	CTH S	1
0010	B-09-0057	USH 53 NB	CTH S	1
0010	B-09-0089	USH 53 NB	72ND ST.	1
0010	B-09-0090	USH 53 SB	72ND ST.	1
			UNDISTRIBUTED	2
	TOTAL			20

NOTE: INLET PROTECTION INCLUDES TWO INSTALLATIONS PER INLET. FIRST INSTALLATION IS WITH TYPE FF FABRIC DURING DECK PREPARATION AND CLEANING ACTIVITIES. SECOND INSTALLATION IS WITH IMPERVIOUS FABRIC DURING THE SEALING OPERATION.

PROTECTIVE SURFACE TREATMENT RESEAL

0020	ID		FEATURE UNDER	TYPE	SY
	B-09-0046	HWY ON 40TH AVE.	USH 53	BRIDGE COLUMN	31.4
0030	B-09-0046 B-09-0047	40TH AVE. 50TH AVE.	USH 53 USH 53	BRIDGE COLUMN BRIDGE COLUMN	31.4 31.4
0030		USH 53 SB	CHIPPEWA RIVER	BRIDGE COLUMN BRIDGE DECK	2.871
0040	B-09-0048 B-09-0049	USH 53 NB	CHIPPEWA RIVER	BRIDGE DECK	2,552
0060		USH 53 NB	OLD STH 29-RIVER RD	BRIDGE DECK	1,038
	B-09-0050		CTH X-RIVER RD	BRIDGE DECK	
0070	B-09-0051	USH 53 NB	***************************************		930.4 1.397
0080	B-09-0052	USH 53 SB	WI CENTRAL RR	BRIDGE DECK	,
0090	B-09-0053	USH 53 NB	WI CENTRAL RR	BRIDGE DECK	1,572.
0100	B-09-0054	CTH N	USH 53	BRIDGE COLUMN	31.4
0110	B-09-0056	USH 53 SB	CTH S	BRIDGE DECK	864.0
0120	B-09-0057	USH 53 NB	CTH S	BRIDGE DECK	864.0
0130	B-09-0058	100TH AVE.	USH 53	BRIDGE COLUMN	20.9
0140	B-09-0059	CTH B	USH 53	BRIDGE COLUMN	31.4
0150	B-09-0060	CTH Q	USH 53	BRIDGE COLUMN	31.4
0160	B-09-0063	CTH Q	USH 53	BRIDGE COLUMN	31.4
0170	B-09-0066	CTH Q	USH 53	BRIDGE COLUMN	31.4
0180	B-09-0067	190TH AVE.	USH 53	BRIDGE COLUMN	20.9
0190	B-09-0068	STH 64	USH 53	BRIDGE COLUMN	31.4
0200	B-09-0078	STH 40-17TH ST	USH 53	BRIDGE COLUMN	31.4
0210	B-09-0089	USH 53 NB	72ND ST.	BRIDGE DECK	857.4
0220	B-09-0090	USH 53 SB	72ND ST.	BRIDGE DECK	877.8
0230	B-09-0091	CTH Q	USH 53	BRIDGE COLUMN	31.4
0240	B-09-0092	CTH M MAIN ST	USH 53	BRIDGE COLUMN	41.8
0250	B-09-0217	STH 29 WB	USH 53 NB	BRIDGE COLUMN	52.3
0260	B-09-0218	STH 29 EB	USH 53	BRIDGE COLUMN	41.8
0270	B-09-0227	CTH OO	USH 53	BRIDGE COLUMN	62.8
0280	B-09-0228	USH 53 SB	UP RR & BIKE PATH	BRIDGE DECK	1,129
0290	B-09-0229	USH 53 NB	UP RR & BIKE PATH	BRIDGE DECK	1,049
0300	B-09-0246	USH 53 SB	STH 124 NB	BRIDGE DECK	1,135.
0310	B-09-0247	USH 53 NB	STH 124	BRIDGE DECK	1,365.
0320	B-09-0262	MELBY STREET	USH 53	BRIDGE COLUMN	20.9

TRAFFIC CONTROL SIGNS PCMS WITH CELLULAR COMMUNICATIONS

				643.1051
				SIGNS PCMS
				WITH CELLULAR
		APPROX. SERVICE	NO. IN	COMMUNICATIONS
PROJECT	LOCATION	PERIOD DAYS	SERVICE	DAYS
1190-10-82	USH 53	10	2	20
TOTALS		10	2	20
	1190-10-82	1190-10-82 USH 53	PROJECT LOCATION PERIOD DAYS 1190-10-82 USH 53 10	PROJECT LOCATION PERIOD DAYS SERVICE 1190-10-82 USH 53 10 2

PROJECT NO:1190-10-82

HWY:USH 53

COUNTY: CHIPPEWA

MISCELLANEOUS QUANTITIES

SHEET

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\14023-016\CIVIL 3D\SHEETSPLAN\MQ\030201-MQ_82.DWG

PLOT DATE : 11/2/2016

PLOT BY : KL ENGINEERING PLOT NAME :PLOT SCALE : 1:1.185

FINISHING ROADWAY

			213.0100
CATEGORY	PROJECT	LOCATION	EACH
0010	1190-10-83	USH 53	1
	TOTAL		1

INLET PROTECTION

				628.7010
				TYPE B
CATEGORY	STRUCTURE	ROADWAY	LOCATION	EACH
0010	B-18-0035	USH 53 SB	IH 94	1
0010	B-18-0036	USH 53 NB	IH 94	1
		USH 53 SB		_
0010	B-18-0162	LANE	OTTER CR	2
0010	B-18-0163	USH 53 NB	UP RR	1
0010	B-18-0164	USH 53 SB	UP RR	2
0010	B-18-0168	USH 53 SB	EAU CLAIRE RIVER	5
			UNDISTRIBUTED	3
	TOTAL			15

NOTE: INLET PROTECTION INCLUDES TWO INSTALLATIONS PER INLET. FIRST INSTALLATION IS WITH TYPE FF FABRIC DURING DECK PREPARATION AND CLEANING ACTIVITIES. SECOND INSTALLATION IS WITH IMPERVIOUS FABRIC DURING THE SEALING OPERATION.

PROTECTIVE SURFACE TREATMENT RESEAL

	STRUCTURE				502.3215.
CATEGORY	ID	HWY ON	FEATURE UNDER	TYPE	SY
0020	B-18-0035	USH 53 SB	IH 94	BRIDGE DECK	1,305.44
0030	B-18-0036	USH 53 NB	IH 94	BRIDGE DECK	1,448.00
0040	B-18-0037	USH 53 SB	TOWN RD	BRIDGE DECK	857.56
0050	B-18-0038	USH 53 NB	TOWN RD	BRIDGE DECK	521.00
0060	B-18-0099	CTH AA	USH 53	BRIDGE COLUMN	52.33
0070	B-18-0159	SPOONER AVE	USH 53	BRIDGE COLUMN	20.93
0800	B-18-0162	USH 53 SB	OTTER CREEK	BRIDGE DECK	1,596.56
0090	B-18-0163	USH 53 NB	UP RR	BRIDGE DECK	1,950.22
0100	B-18-0164	USH 53 SB	UP RR	BRIDGE DECK	2,032.78
0110	B-18-0165	RIVER PRAIRIE DR	USH 53	BRIDGE COLUMN	39.94
0120	B-18-0168	USH 53 SB	EAU CLAIRE RIVER	BRIDGE DECK	4,882.00
0130	B-18-0173	USH 12	USH 53	BRIDGE COLUMN	73.27
0140	B-18-0176	RAMP STH 93	USH 53	BRIDGE COLUMN	12.16
0150	B-18-0178	USH 53 SB	HASTINGS WAY	BRIDGE DECK	748.56
0160	B-18-0182	USH 53 NB	HASTINGS WAY	BRIDGE DECK	1,010.67
0170	B-18-0183	USH 53 NB HASTINGS WAY	CYPRESS RD	BRIDGE DECK	978.11
0180	B-18-0184	USH 53 SB HASTINGS WAY	CYPRESS RD	BRIDGE DECK	744.22
0190	B-18-0186	CTH QQ	USH 53	BRIDGE COLUMN	41.87
0200	B-18-0187	TOWER DRIVE	USH 53	BRIDGE COLUMN	31.40
0210	B-18-0188	NORTH CROSSINGS (312E)	USH 53	BRIDGE COLUMN	73.27
0220	B-18-0190	LASALLE ST	USH 53	BRIDGE COLUMN	31.40

TRAFFIC CONTROL SIGNS PCMS WITH CELLULAR COMMUNICATIONS

					643.1051	
					SIGNS PCMS	
					WITH CELLULAR	
			APPROX. SERVICE	NO. IN	COMMUNICATIONS	
CATEGORY	PROJECT	LOCATION	PERIOD DAYS	SERVICE	DAYS	
0010	1190-10-83	USH 53	10	2	20	
	TOTALS		10	2	20	

PROJECT NO:1190-10-83

HWY:USH 53

COUNTY: EAU CLAIRE

MISCELLANEOUS QUANTITIES

SHEET

18,451.69

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\14023-016\CIVIL 3D\SHEETSPLAN\MQ\030201-MQ_83.DWG

PLOT DATE: 3/9/2017

PLOT BY : KL ENGINEERING PLOT NAME :PLOT SCALE : 1:1.185

TOTAL

FINISHING ROADWAY

			213.0100
CATEGORY	PROJECT	LOCATION	EACH
0010	1190-10-84	USH 53	1
	TOTAL		1

PROTECTIVE SURFACE TREATMENT RESEAL

	STRUCTURE				502.3215.S
CATEGORY	ID	HWY ON	FEATURE UNDER	TYPE	SY
0020	B-16-005-0005	IH 535-USH 53	USH 53 SB-STH 35	BRIDGE COLUMN	397.73
0030	B-16-0012	USH 53-E 2ND ST	HILL AVE	BRIDGE DECK	4,700.89
0040	B-16-0024	STH 13	USH 2-USH 53	BRIDGE COLUMN	157.00
0050	B-16-0030	USH 53 SB	MIDDLE RIVER	BRIDGE DECK	478.67
0060	B-16-0031	USH 53 NB	MIDDLE RIVER	BRIDGE DECK	459.56
0070	B-16-0033	USH 53 SB	AMNICON RIVER	BRIDGE DECK	614.33
0080	B-16-0034	USH 53 NB	AMNICON RIVER	BRIDGE DECK	611.56
0090	B-16-0048	USH 53 NB	USH 2 EB	BRIDGE DECK	779.67
0100	B-16-0079	USH 53 SB	ST CROIX RIVER	BRIDGE DECK	816.00
0110	B-16-0080	USH 53 NB	BEEBE CREEK	BRIDGE DECK	1,457.22
0120	B-16-0082	USH 53 NB	ST CROIX RIVER	BRIDGE DECK	922.56
0130	B-16-0095	USH 53 SB	WIS. CENTRAL RR	BRIDGE DECK	1,505.00
0140	B-65-0022	USH 53 SB	YELLOW RIVER	BRIDGE DECK	340.78
0150	B-65-0023	USH 53 NB	YELLOW RIVER	BRIDGE DECK	341.33
0160	B-65-0024	USH 53 NB	USH 63	BRIDGE DECK	1,560.89
0170	B-65-0025	USH 53 SB	USH 63	BRIDGE DECK	1,560.89
0180	B-65-0026	USH 53 SB	NAMEKAGON RIVER	BRIDGE DECK	509.78
0190	B-65-0028	USH 53 NB	TOTOGATIC RIVER	BRIDGE DECK	1,285.67
0200	B-65-0030	STH 70	USH 53	BRIDGE COLUMN	41.87
0210	B-65-0031	USH 53 NB	NAMEKAGON RIVER	BRIDGE DECK	500.22
0220	B-65-0038	USH 53 SB	TOTOGATIC RIVER	BRIDGE DECK	1,617.22
0230	B-03-0027	CTH D	USH 53	BRIDGE COLUMN	31.40
0240	B-03-0028	CTH OO	USH 53	BRIDGE COLUMN	31.40
0250	B-03-0029	21ST ST	USH 53	BRIDGE COLUMN	31.40
0260	B-03-0041	15TH AVE	USH 53	BRIDGE COLUMN	20.93
0270	B-03-0046	ALLEN ST	USH 53	BRIDGE COLUMN	41.87
0280	B-03-0047	AUGUSTA ST	USH 53	BRIDGE COLUMN	31.40
0290	B-03-0054	16 1/2 AVE	USH 53	BRIDGE COLUMN	31.40
0300	B-03-0055	CTH B	USH 53	BRIDGE COLUMN	20.93
0310	B-03-0195	USH 53 SB	CTH V	BRIDGE DECK	725.22
0320	B-03-0196	USH 53 NB	CTH V	BRIDGE DECK	728.89

INLET PROTECTION

				628.7010
				TYPE B
CATEGORY	STRUCTURE	ROADWAY	LOCATION	EACH
0010	B-16-0012	USH 53-E 2ND ST	HILL AVE	8
0010	B-16-0030	USH 53 SB	MIDDLE RIVER	2
0010	B-16-0031	USH 53 NB	MIDDLE RIVER	2
0010	B-16-0033	USH 53 SB	AMNICON RIVER	2
0010	B-16-0034	USH 53 NB	AMNICON RIVER	2
0010	B-16-0048	USH 53 NB	USH 2 EB	2
0010	B-16-0079	USH 53 SB	ST CROIX RIVER	2
0010	B-16-0080	USH 53 NB	BEEBE CREEK	2
0010	B-16-0082	USH 53 NB	ST CROIX RIVER	2
0010	B-16-0095	USH 53 SB	WIS. CENTRAL RR	2
0010	B-65-0022	USH 53 SB	YELLOW RIVER	2
0010	B-65-0023	USH 53 NB	YELLOW RIVER	2
0010	B-65-0024	USH 53 NB	USH 63	2
0010	B-65-0025	USH 53 SB	USH 63	2
0010	B-65-0026	USH 53 SB	NAMEKAGON RIVER	2
0010	B-65-0028	USH 53 NB	TOTOGATIC RIVER	2
0010	B-65-0031	USH 53 NB	NAMEKAGON RIVER	2
0010	B-65-0038	USH 53 SB	TOTOGATIC RIVER	2
			UNDISTRIBUTED	8
	TOTAL			50

NOTE: INLET PROTECTION INCLUDES TWO INSTALLATIONS PER INLET. FIRST INSTALLATION IS WITH TYPE FF FABRIC DURING DECK PREPARATION AND CLEANING ACTIVITIES. SECOND INSTALLATION IS WITH IMPERVIOUS FABRIC DURING THE SEALING OPERATION.

$\underline{\mathsf{TRAFFIC}}\,\,\mathsf{CONTROL}\,\,\mathsf{SIGNS}\,\,\mathsf{PCMS}\,\,\mathsf{WITH}\,\,\mathsf{CELLULAR}\,\,\mathsf{COMMUNICATIONS}$

643.1051 SIGNS PCMS WITH CELLULAR APPROX. SERVICE NO. IN COMMUNICATIONS CATEGORY PROJECT LOCATION PERIOD DAYS SERVICE DAYS 1190-10-84 TOTALS 10

PROJECT NO:1190-10-84 HWY:USH 53 COUNTY: BARRON, DOUGLAS, & WASHBURN

PLOT DATE: 11/2/2016

MISCELLANEOUS QUANTITIES PLOT NAME: _____PLOT SCALE: 1:1.185

TOTAL

SHEET

22,353.68

Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D12-06B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D14-03	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)
15D15-02	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-03	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D20-04	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH





INLET PROTECTION, TYPE A

GENERAL NOTES

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

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

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

- 1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- (2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- (3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02

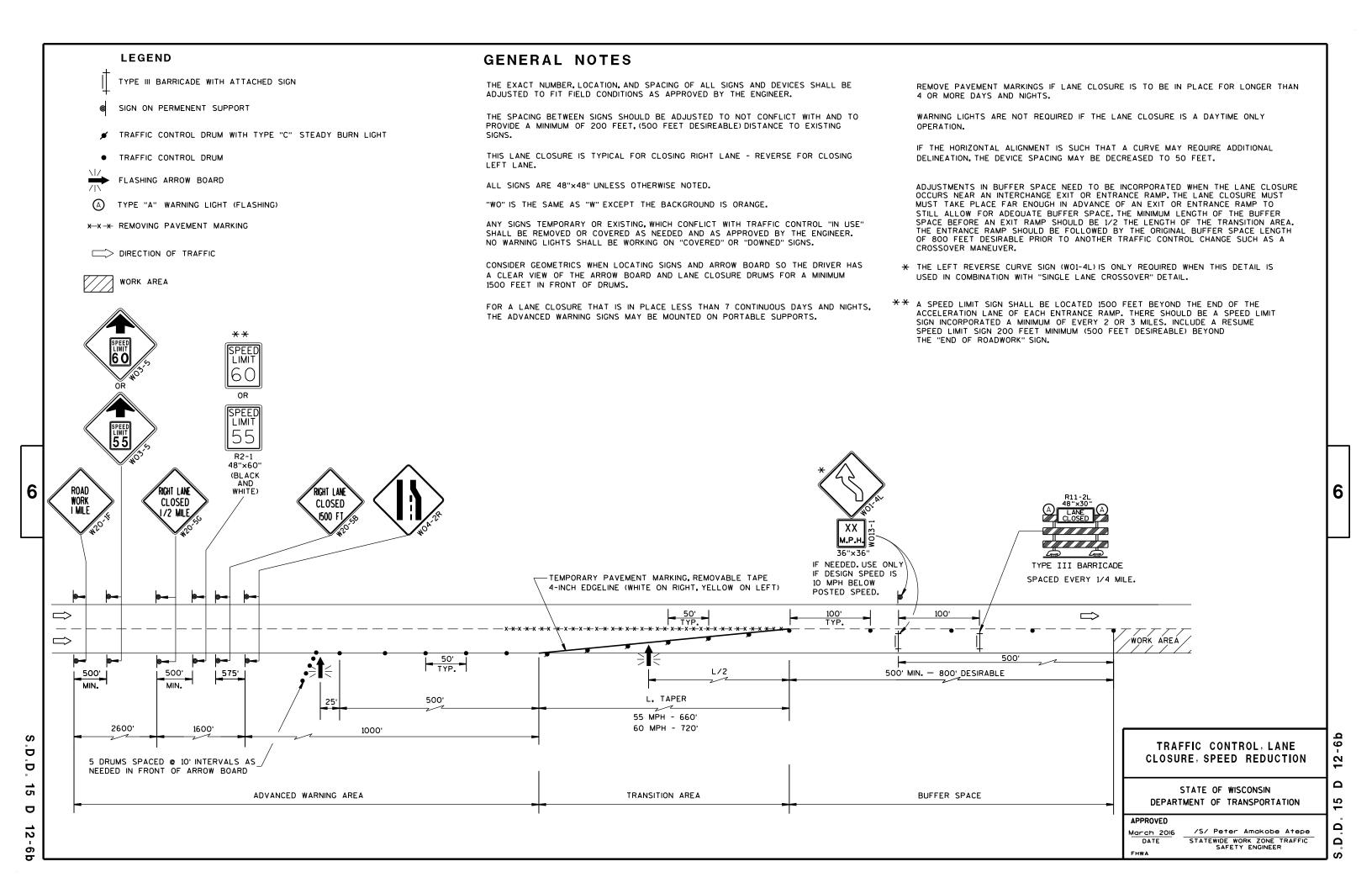
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

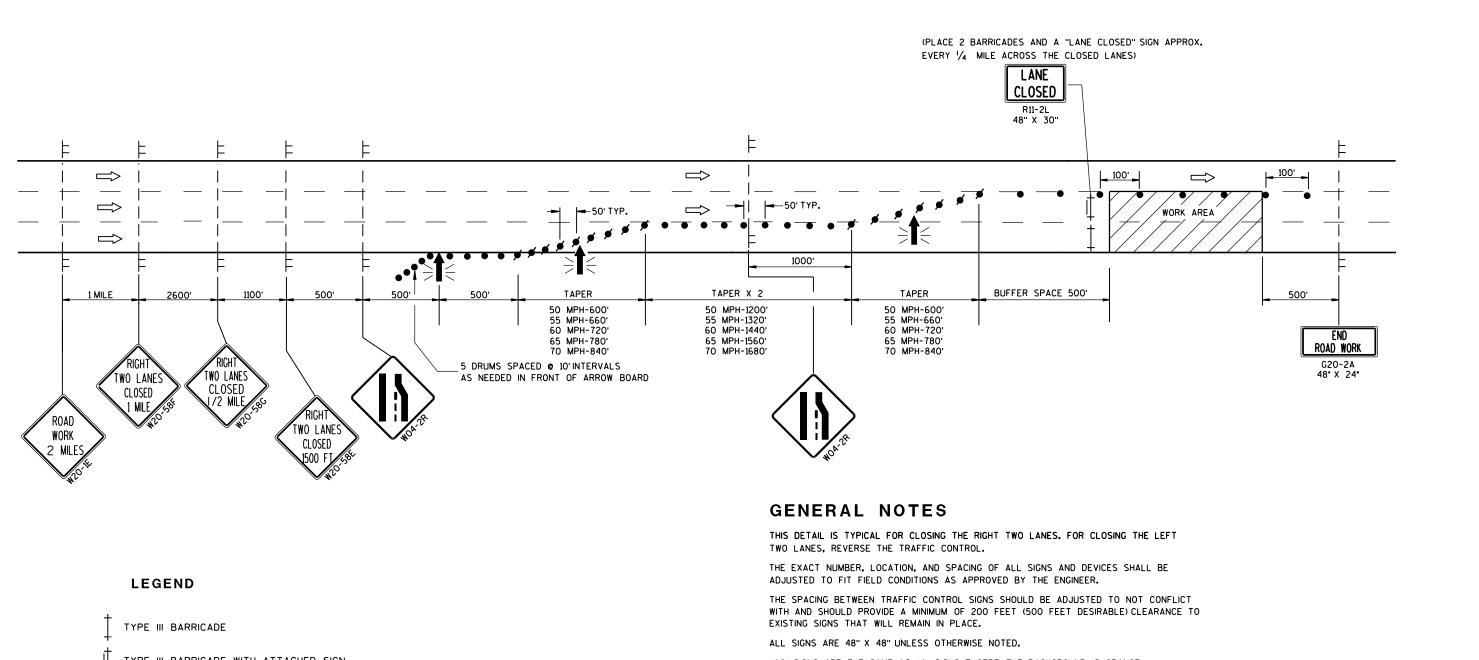
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GENERAL NOTES LEGEND THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. 4 OR MORE DAYS AND 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 Ω 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





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TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TRAFFIC CONTROL DRUM

FLASHING ARROW BOARD

DIRECTION OF TRAFFIC

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

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

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

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

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

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

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

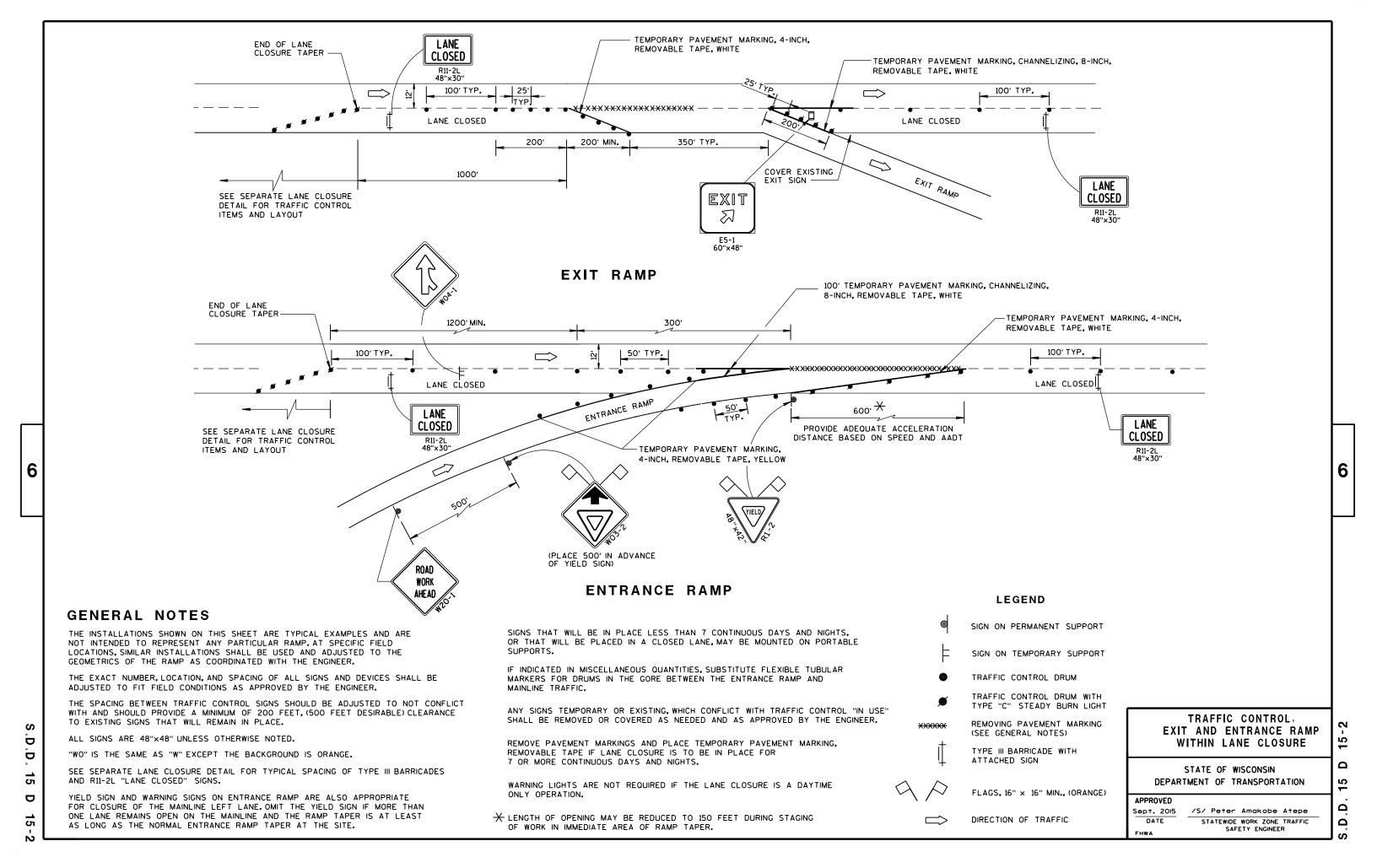
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

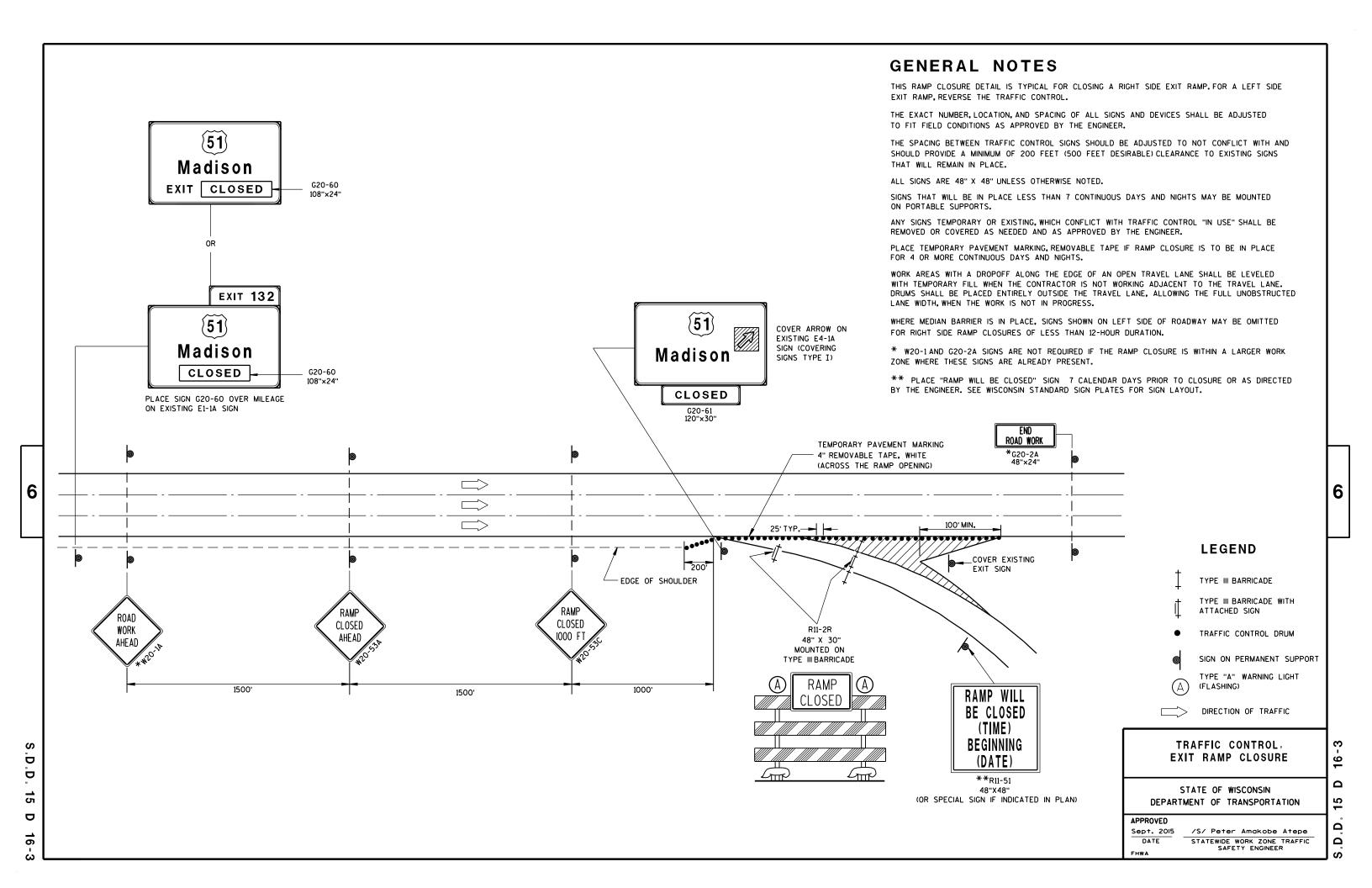
TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT TERM (LESS THAN 24 HOURS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

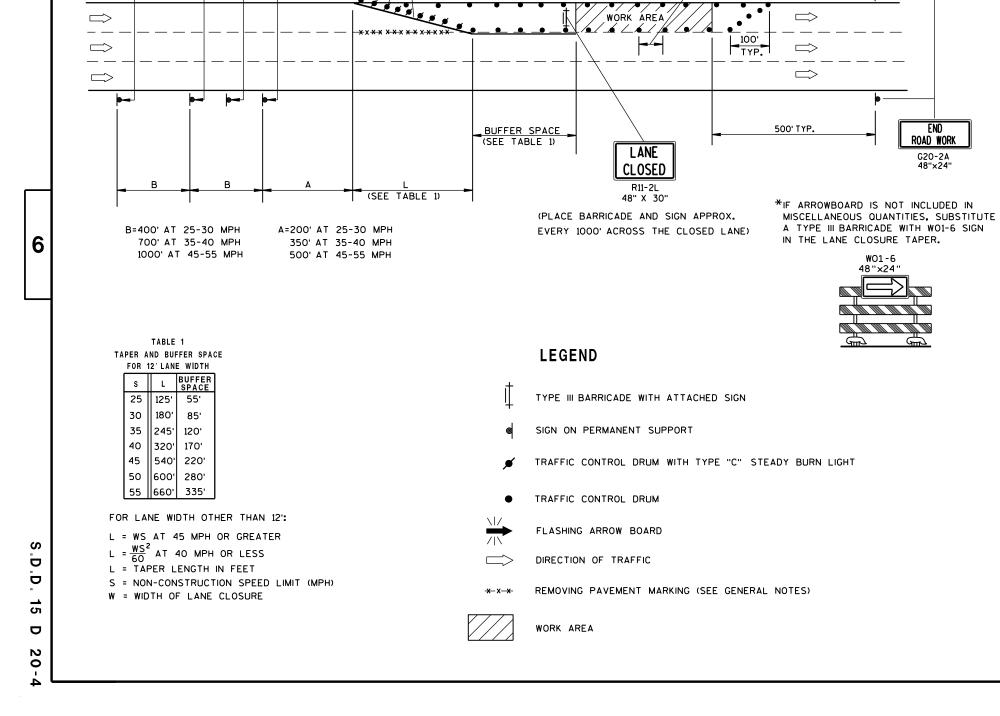
July 14, 2015 /S/ Peter Amakobe Atepe DATE STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

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(5) DRUMS SPACED @ 10'

INTERVALS AS NEEDED IN

FRONT OF ARROW BOARD

TEMPORARY PAVEMENT MARKING.

4-INCH REMOVABLE TAPE (WHITE ON RIGHT,

25'@ 35 MPH OR LESS 50'@ 40 MPH OR MORE

YELLOW ON LEFT)

SPACING:

ROAD WORK

NEXT___MILES

G20-1

60" X 24"

CLOSED

AHEAD

AHEAD

GENERAL NOTES

**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE

ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL

W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF

50' MAX. @ 35 MPH OR LESS

100' MAX. @ 40 MPH OR MORE

IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC

TRAFFIC. IN ADVANCE OF THE WORK AREA.

SPACING:

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.

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 DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

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.

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 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

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.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

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

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

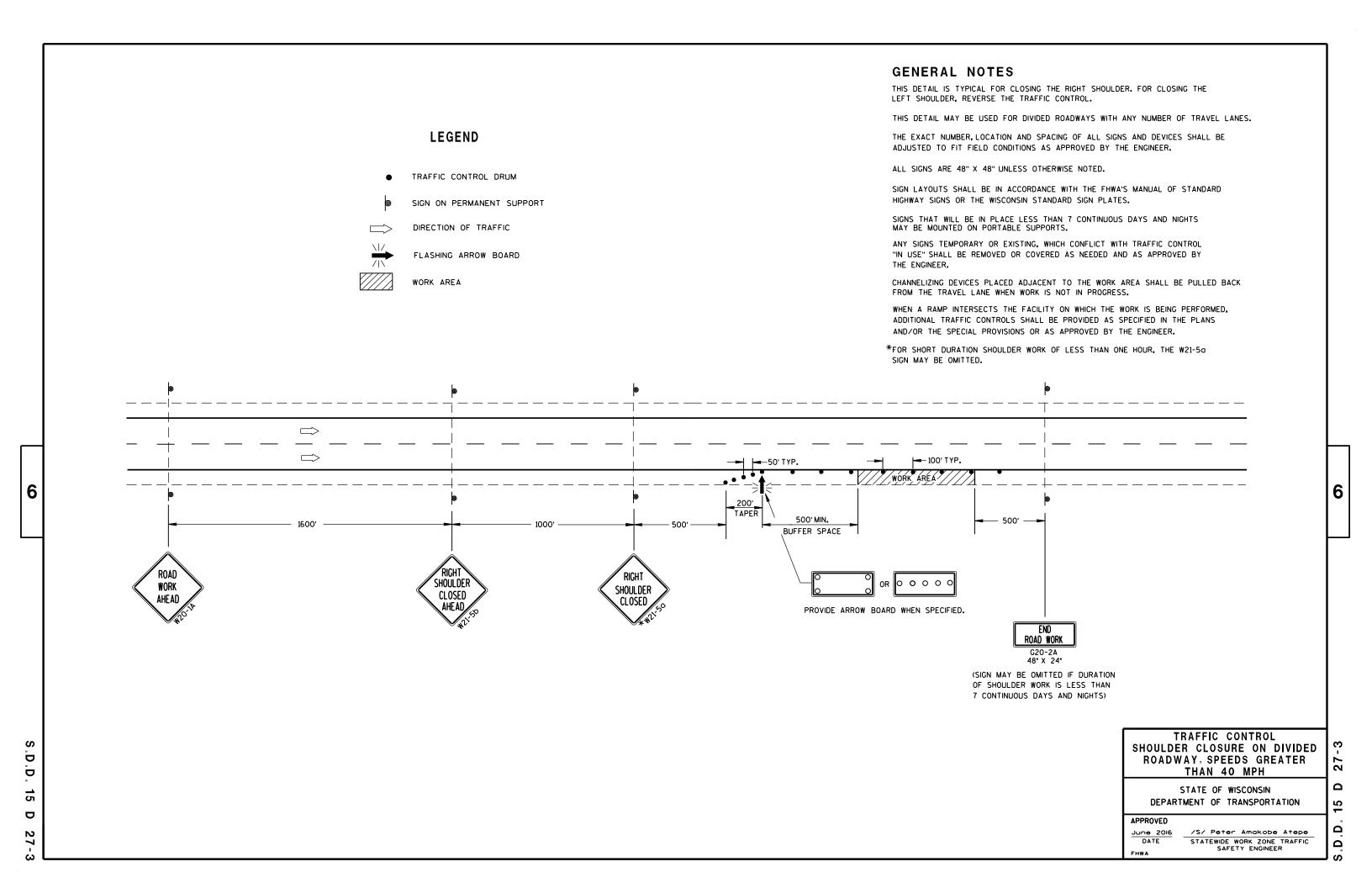
TRAFFIC CONTROL SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED June 2016

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

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Notes



Wisconsin Department of Transportation

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