

PROJECT ID:  
1050-10-81

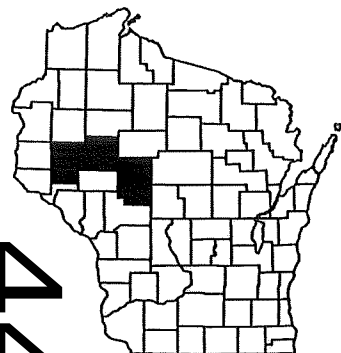
1050-10-80

COUNTY: DUNN, CHIPPEWA, CLARK

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
- Section No. 4 Right of Way Plat
- Section No. 5 Plan and Profile
- Section No. 6 Standard Detail Drawings
- Section No. 7 Sign Plates
- Section No. 8 Structure Plans
- Section No. 9 Computer Earthwork Data
- Section No. 9 Cross Sections

TOTAL SHEETS = 18



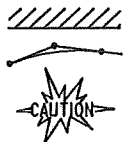
BEGIN PROJECT ID 1050-10-81

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
- REFERENCE LINE
- COMBUSTIBLE FLUIDS



UTILITIES

- ELECTRIC — E —
- FIBER OPTIC — FO —
- GAS — G —
- SANITARY SEWER — SAN —
- STORM SEWER — SS —
- TELEPHONE — T —
- WATER — W —
- UTILITY PEDESTAL — [Symbol] —
- POWER POLE — [Symbol] —
- TELEPHONE POLE — [Symbol] —

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY REHABILITATION - MAINTENANCE PROJECT

NW REGION, VAR CTYS  
STATE HIGHWAY STH 29

BRIDGE DECK SEALING (VARIOUS BRDGS)

STH 29

CHIPPEWA COUNTY

STATE PROJECT NUMBER

1050-10-80

NW REGION, VAR CTYS  
STATE HIGHWAY STH 29

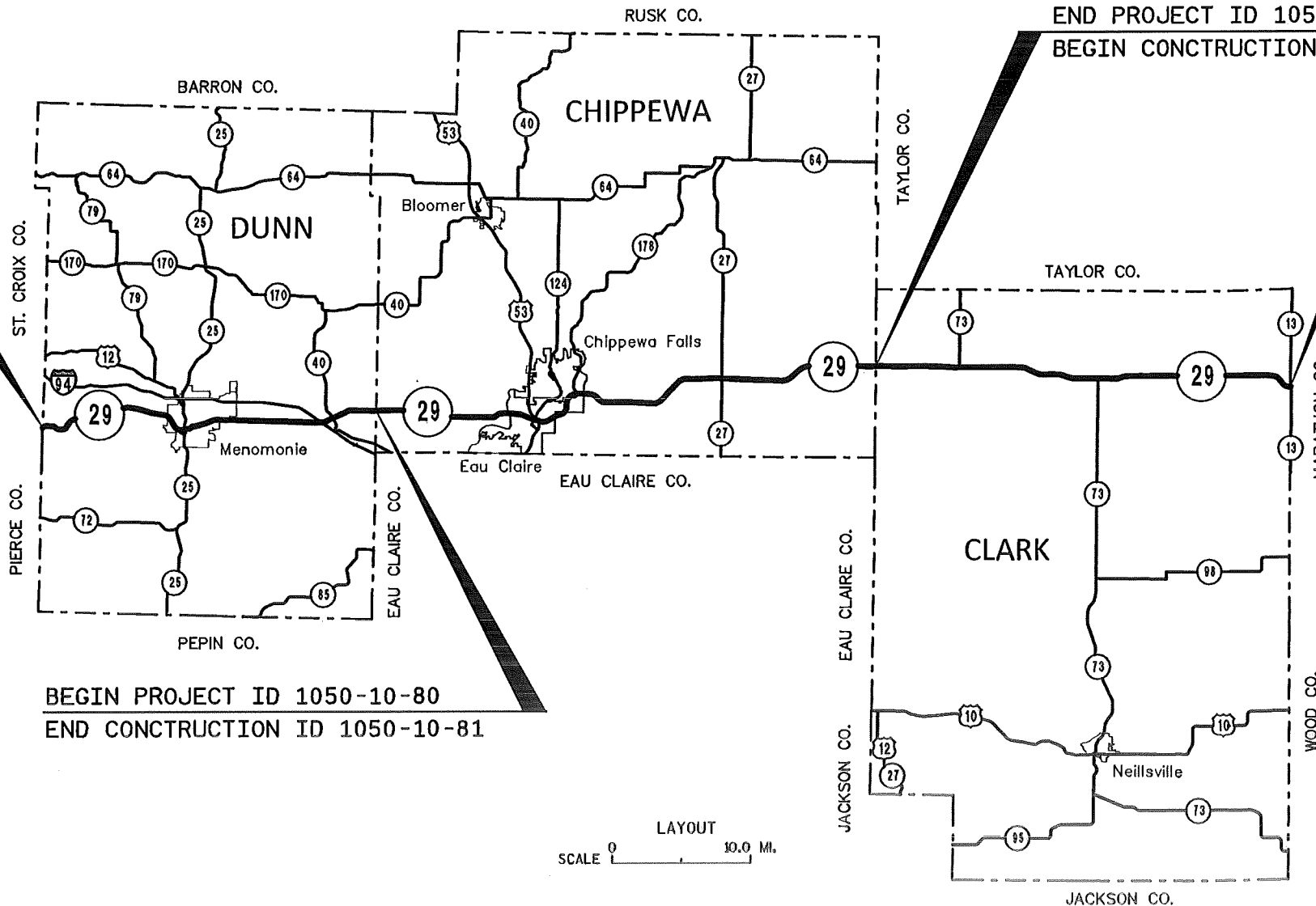
BRIDGE DECK SEALING (VARIOUS BRDGS)

STH 29

DUNN & CLARK COUNTY

STATE PROJECT NUMBER

1050-10-81



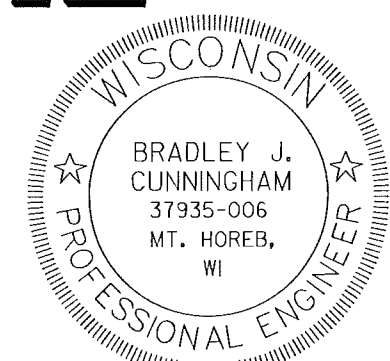
END PROJECT ID 1050-10-80

BEGIN CONSTRUCTION ID 1050-10-81

END PROJECT ID 1050-10-81

ORIGINAL PLANS PREPARED BY

**KL Engineering**  
[A] Better Experience



1-27-2016 (Date) *Bradley J. Cunningham* (Signature)

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PREPARED BY  
Surveyor: N/A  
Designer: KL ENGINEERING / WISDOT  
Project Manager: MOHAMAD HAYEK  
Regional Examiner: CHRISTINE KOSKI  
Regional Supervisor: MARK PLOEDERER

APPROVED FOR THE DEPARTMENT  
DATE: 1/22/16 *[Signature]* (Signature)

E

AREA CONTACTS

WISDOT NW REGION CONTACTS

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

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DNR WEST CENTRAL REGION HQ  
1300 WEST CLAIREMONT STREET  
EAU CLAIRE, WI 54701  
(715) 839-1609  
christopher.j.willger@wisconsin.gov

WISDOT NW REGION AREA MAINTENANCE COORDINATORS

DUNN COUNTY

MIKE BURKE  
(715) 577-5395

CHIPPEWA COUNTY

RICHARD RICKSECKER  
(715) 225-9318

CLARK COUNTY

ROSS KRAUSE  
(715) 577-9544

WISDOT NW REGION MAINTENANCE SUPERVISOR

EAU CLAIRE OFFICE

JEFF KERN  
(715) 579-0794  
jeffrey.kern@dot.wi.gov



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 DIFFERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.
- 3) STH 29 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

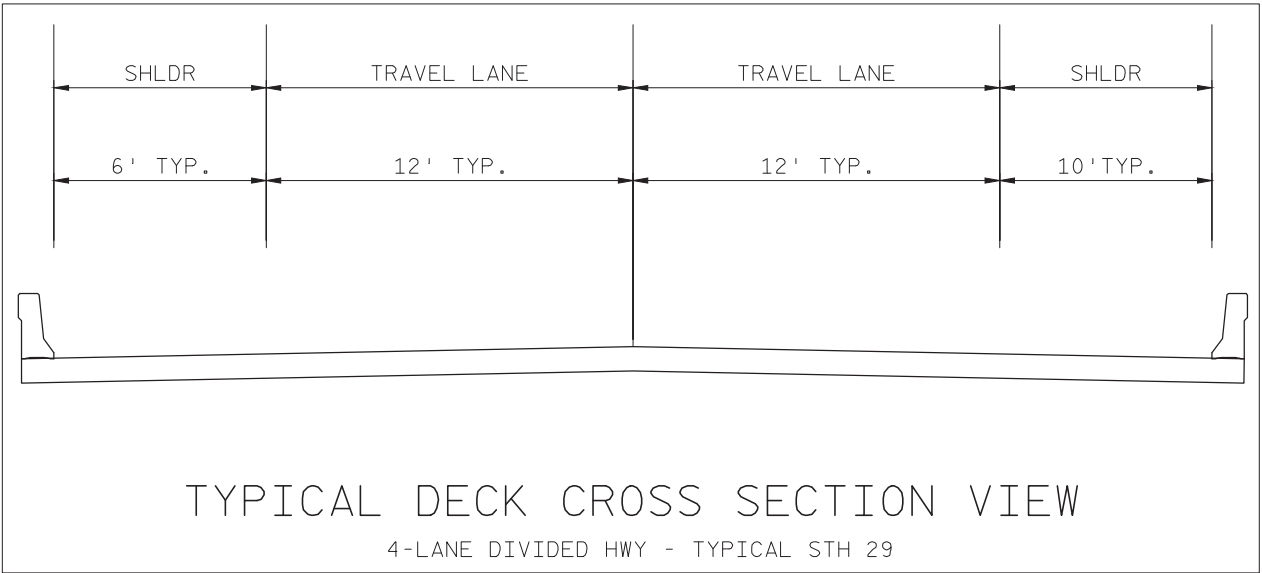
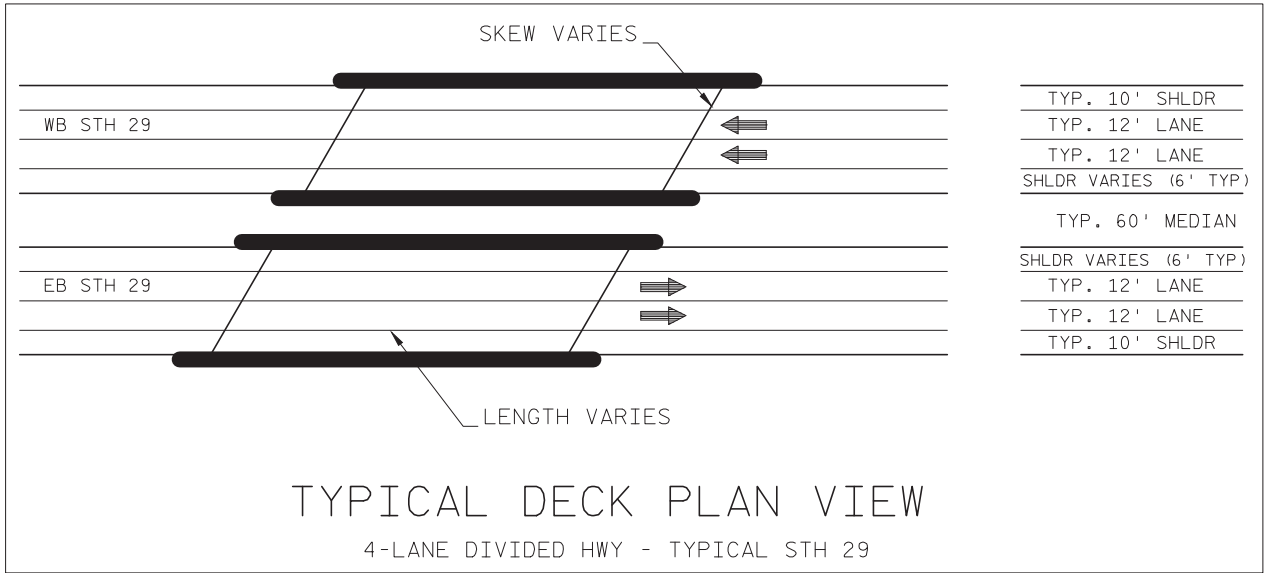
- ENTIRE DECK SURFACE TO BE CLEANED AND SEALED.
- INLET PROTECTION REQUIRED DURING CLEANING AND SEALING WORK ON THE STRUCTURES WITH FLOOR DRAINS.
- USE TYPE FF FABRIC DURING CLEANING ACTIVITIES.
- USE IMPERVIOUS FABRIC DURING SEALING ACTIVITIES.

PIER COLUMN NOTES

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

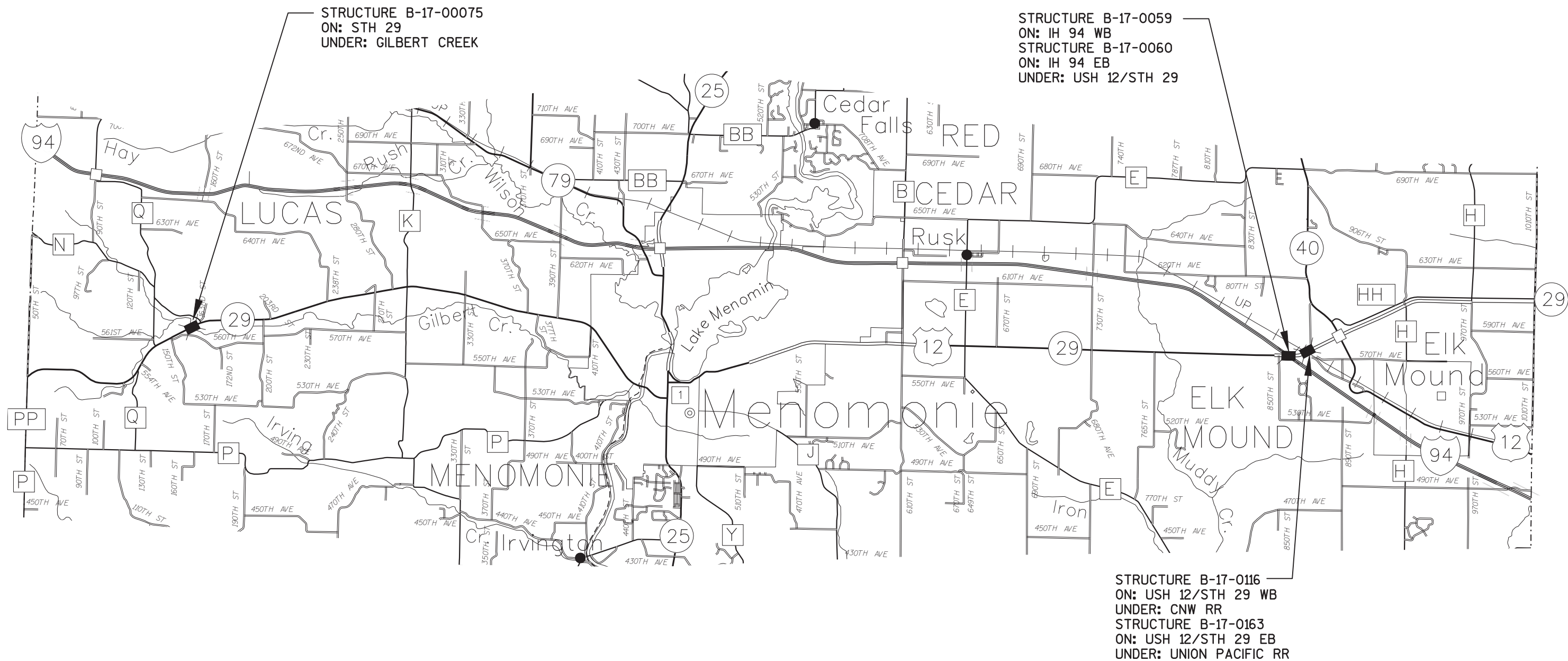
PARAPET NOTES

- 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.



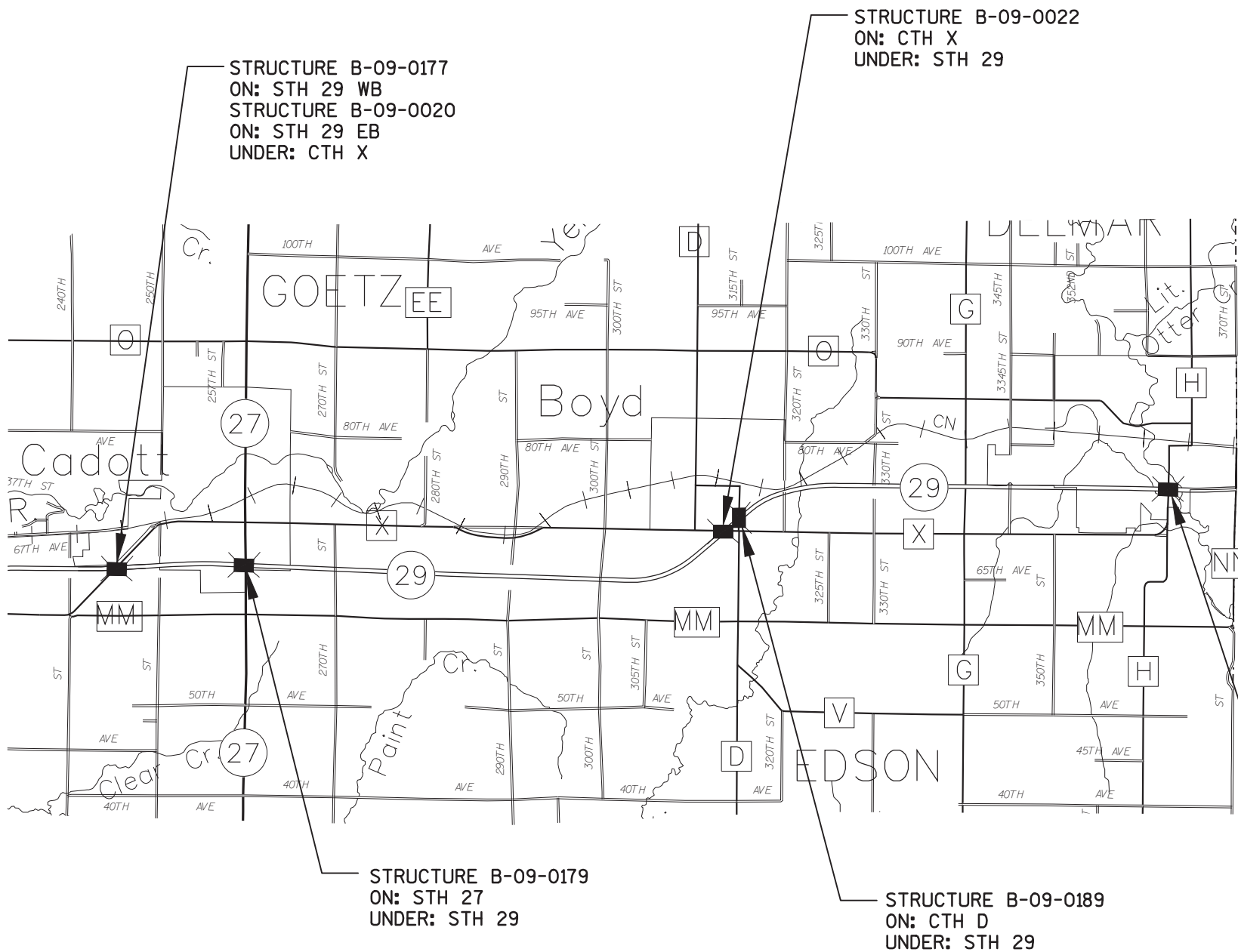


PROJECT 1050-10-81 - DUNN COUNTY STRUCTURE SUMMARY						
STRUCTURE ID	COUNTY	MUNICIPALITY	HIGHWAY ON	FEATURE UNDER	SURFACE TYPE	SURFACE AREA (SF)
B-17-0059	DUNN	T-ELK MOUND	IH 94 WB	USH 12-STH 29	BRIDGE COLUMNS	1,695.60
B-17-0060	DUNN	T-ELK MOUND	IH 94 EB	USH 12-STH 29	BRIDGE COLUMNS	1,695.60
B-17-0075	DUNN	T-LUCAS	STH 29	GILBERT CREEK	BRIDGE DECK	4,440.00
B-17-0116	DUNN	T-ELK MOUND	USH12-STH29	CNW RR	BRIDGE DECK	8,207.00
B-17-0163	DUNN	T-ELK MOUND	USH12-STH29	UNION PACIFIC RR	BRIDGE DECK	7,308.00









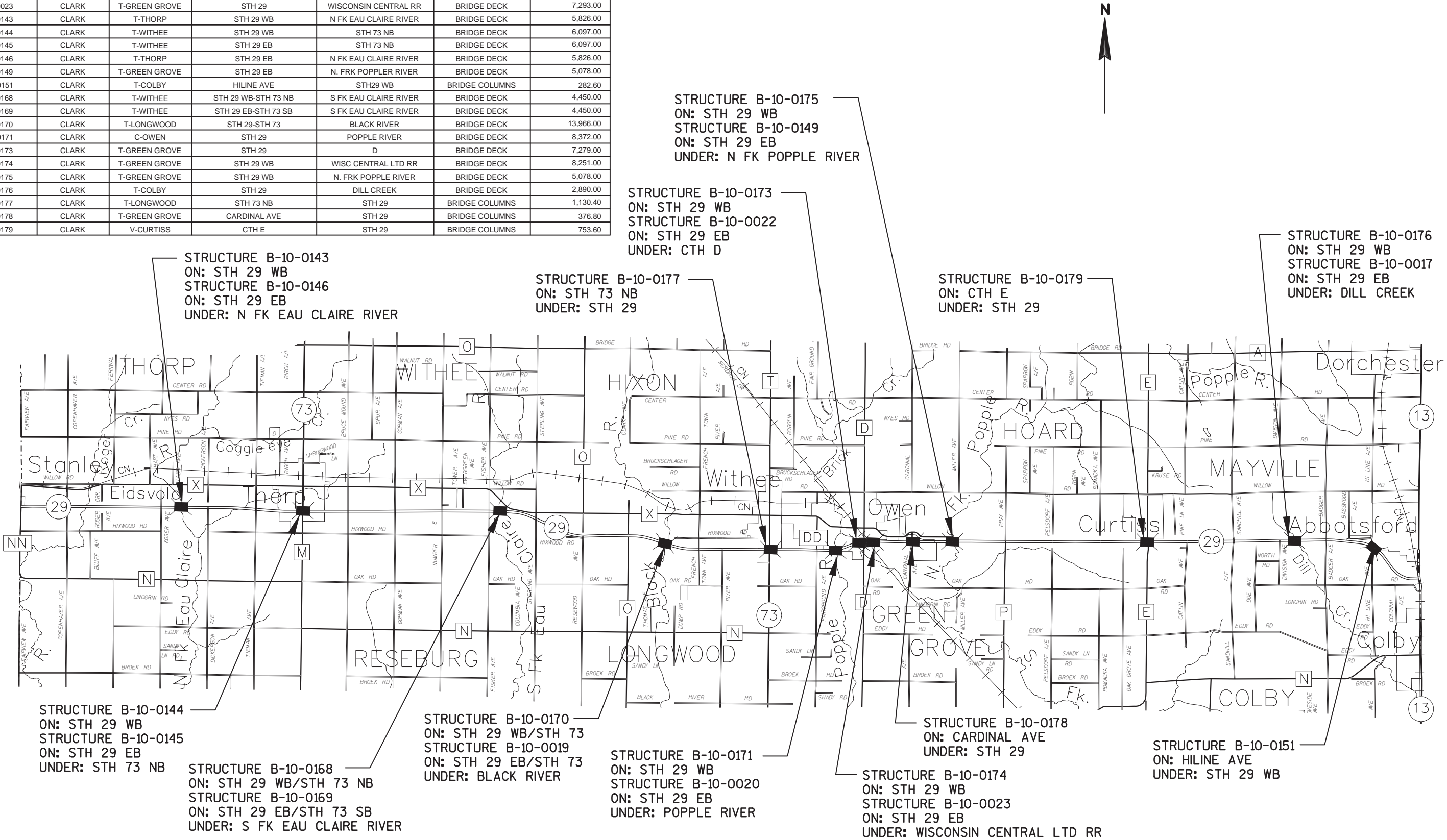
PROJECT 1050-10-80 - CHIPPEWA COUNTY STRUCTURE SUMMARY						
STRUCTURE ID	COUNTY	MUNICIPALITY	HIGHWAY ON	FEATURE UNDER	SURFACE TYPE	SURFACE AREA (SF)
B-09-0019	CHIPPEWA	T-SIGEL	X	STH 29	BRIDGE COLUMNS	1,130.40
B-09-0020	CHIPPEWA	T-SIGEL	STH 29 EB	X	BRIDGE DECK	7,365.00
B-09-0022	CHIPPEWA	V-BOYD	X	STH 29	BRIDGE COLUMNS	1,130.40
B-09-0030	CHIPPEWA	T-LAFAYETTE	X 37TH AVE	STH 29	BRIDGE COLUMNS	847.80
B-09-0031	CHIPPEWA	T-LAFAYETTE	STH 29 WB	STILLSON CREEK	BRIDGE DECK	5,142.00
B-09-0032	CHIPPEWA	T-HALLIE	160 TH ST.	STH 29	BRIDGE COLUMNS	847.80
B-09-0033	CHIPPEWA	T-LAFAYETTE	50TH AVE.	STH 29	BRIDGE COLUMNS	847.80
B-09-0034	CHIPPEWA	T-LAFAYETTE	J	STH 29	BRIDGE COLUMNS	847.80
B-09-0035	CHIPPEWA	T-LAFAYETTE	STH 29 WB	190TH ST.	BRIDGE DECK	4,454.00
B-09-0036	CHIPPEWA	T-LAFAYETTE	195TH ST.	STH 29	BRIDGE COLUMNS	847.80
B-09-0037	CHIPPEWA	T-LAFAYETTE	K STILLSON RD	STH 29	BRIDGE COLUMNS	847.80
B-09-0038	CHIPPEWA	T-LAFAYETTE	STH 29 WB	PAINT CREEK	BRIDGE DECK	4,379.00
B-09-0039	CHIPPEWA	T-LAFAYETTE	220TH ST.	STH 29	BRIDGE COLUMNS	847.80
B-09-0171	CHIPPEWA	T-LAFAYETTE	STH 29 EB	STILLSON CREEK	BRIDGE DECK	6,991.00
B-09-0174	CHIPPEWA	T-LAFAYETTE	STH 29 EB	190TH ST.	BRIDGE DECK	4,205.00
B-09-0175	CHIPPEWA	T-LAFAYETTE	STH 29 EB	PAINT CREEK	BRIDGE DECK	4,596.00
B-09-0176	CHIPPEWA	T-SIGEL	XX	STH 29	BRIDGE COLUMNS	282.60
B-09-0177	CHIPPEWA	T-SIGEL	STH 29 WB	X	BRIDGE DECK	7,314.00
B-09-0179	CHIPPEWA	V-CADOTT	STH 27	STH 29	BRIDGE COLUMNS	1,130.40
B-09-0189	CHIPPEWA	V-BOYD	D	STH 29	BRIDGE COLUMNS	1,507.20
B-09-0190	CHIPPEWA	T-DELMAR	STH 29 WB	H	BRIDGE DECK	6,153.00
B-09-0191	CHIPPEWA	T-DELMAR	STH 29 EB	H	BRIDGE DECK	6,153.00
B-09-0206	CHIPPEWA	T-WHEATON	STH "29" WB	ELK CREEK	BRIDGE DECK	3,219.00
B-09-0207	CHIPPEWA	T-WHEATON	STH "29" EB	ELK CREEK	BRIDGE DECK	3,591.00
B-09-0208	CHIPPEWA	T-WHEATON	CTH T	STH 29	BRIDGE COLUMNS	565.20
B-09-0209	CHIPPEWA	T-WHEATON	STH 29	CHIPPEWA RIVER	BRIDGE DECK	36,062.00
B-09-0210	CHIPPEWA	T-WHEATON	STH 29	CHIPPEWA RIVER	BRIDGE DECK	29,757.00
B-09-0211	CHIPPEWA	T-HALLIE	110TH ST (SHAFER RD)	STH 29 WB	BRIDGE COLUMNS	282.60
B-09-0212	CHIPPEWA	T-HALLIE	120TH ST (EMERSON RD)	STH 29 WB	BRIDGE COLUMNS	565.20
B-09-0213	CHIPPEWA	T-HALLIE	STH 29WB	UP RAILROAD	BRIDGE DECK	10,553.00
B-09-0214	CHIPPEWA	T-HALLIE	STH 29 EB	UP RAILROAD	BRIDGE DECK	8,368.00
B-09-0215	CHIPPEWA	T-HALLIE	STH 29 WB	STH 124	BRIDGE DECK	11,450.00
B-09-0216	CHIPPEWA	T-HALLIE	STH 29 EB	STH 124	BRIDGE DECK	8,929.00
B-09-0217	CHIPPEWA	T-HALLIE	STH 29 WB	USH 53NB	BRIDGE DECK	21,143.00
B-09-0218	CHIPPEWA	T-HALLIE	STH 29 EB	USH 53	BRIDGE DECK	19,420.00
B-09-0219	CHIPPEWA	T-HALLIE	130TH ST (AEBLY RD)	STH 29	BRIDGE COLUMNS	282.60
B-09-0220	CHIPPEWA	T-HALLIE	CTH P	STH 29	BRIDGE COLUMNS	282.60
B-09-0221	CHIPPEWA	T-HALLIE	40TH AVE	STH 29	BRIDGE COLUMNS	282.60
B-09-0222	CHIPPEWA	T-HALLIE	50TH AVE	STH 29	BRIDGE COLUMNS	282.60
B-09-0223	CHIPPEWA	T-HALLIE	SEYMOUR CRAY SR BLVD	STH 29	BRIDGE COLUMNS	565.20
B-09-0225	CHIPPEWA	T-WHEATON	SEYMOUR CRAY SR BLVD	STH 29	BRIDGE COLUMNS	282.60
B-09-0226	CHIPPEWA	T-HALLIE	SEYMOUR CRAY SR BLVD	STH 29WB	BRIDGE COLUMNS	282.60
B-09-0241	CHIPPEWA	T-WHEATON	CTH "F"	STH 29WB	BRIDGE COLUMNS	282.60
B-09-0242	CHIPPEWA	T-WHEATON	90TH STREET	STH 29	BRIDGE COLUMNS	376.80
B-09-0243	CHIPPEWA	T-WHEATON	STH 29	103RD STREET	BRIDGE DECK	4,380.00
B-09-0244	CHIPPEWA	T-WHEATON	STH 29	103RD STREET	BRIDGE DECK	4,380.00
B-09-0245	CHIPPEWA	T-HALLIE	STH 29 - OFF RAMP	STH 124	BRIDGE DECK	5,921.00

STRUCTURE B-09-0190  
ON: STH 29 WB  
STRUCTURE B-09-0191  
ON: STH 29 EB  
UNDER: CTH H



PROJECT 1050-10-81 - CLARK COUNTY STRUCTURE SUMMARY

STRUCTURE ID	COUNTY	MUNICIPALITY	HIGHWAY ON	FEATURE UNDER	SURFACE TYPE	SURFACE AREA (SF)
B-10-0017	CLARK	T-COLBY	STH 29	DILL CREEK	BRIDGE DECK	2,562.00
B-10-0019	CLARK	T-LONGWOOD	STH 29-STH 73	BLACK RIVER	BRIDGE DECK	11,340.00
B-10-0020	CLARK	C-OWEN	STH 29	POPPLE RIVER	BRIDGE DECK	7,589.00
B-10-0022	CLARK	T-LONGWOOD	STH 29	CTH D	BRIDGE DECK	5,694.00
B-10-0023	CLARK	T-GREEN GROVE	STH 29	WISCONSIN CENTRAL RR	BRIDGE DECK	7,293.00
B-10-0143	CLARK	T-THORP	STH 29 WB	N FK EAU CLAIRE RIVER	BRIDGE DECK	5,826.00
B-10-0144	CLARK	T-WITHEE	STH 29 WB	STH 73 NB	BRIDGE DECK	6,097.00
B-10-0145	CLARK	T-WITHEE	STH 29 EB	STH 73 NB	BRIDGE DECK	6,097.00
B-10-0146	CLARK	T-THORP	STH 29 EB	N FK EAU CLAIRE RIVER	BRIDGE DECK	5,826.00
B-10-0149	CLARK	T-GREEN GROVE	STH 29 EB	N. FRK POPPLER RIVER	BRIDGE DECK	5,078.00
B-10-0151	CLARK	T-COLBY	HILINE AVE	STH29 WB	BRIDGE COLUMNS	282.60
B-10-0168	CLARK	T-WITHEE	STH 29 WB-STH 73 NB	S FK EAU CLAIRE RIVER	BRIDGE DECK	4,450.00
B-10-0169	CLARK	T-WITHEE	STH 29 EB-STH 73 SB	S FK EAU CLAIRE RIVER	BRIDGE DECK	4,450.00
B-10-0170	CLARK	T-LONGWOOD	STH 29-STH 73	BLACK RIVER	BRIDGE DECK	13,966.00
B-10-0171	CLARK	C-OWEN	STH 29	POPPLE RIVER	BRIDGE DECK	8,372.00
B-10-0173	CLARK	T-GREEN GROVE	STH 29	D	BRIDGE DECK	7,279.00
B-10-0174	CLARK	T-GREEN GROVE	STH 29 WB	WISC CENTRAL LTD RR	BRIDGE DECK	8,251.00
B-10-0175	CLARK	T-GREEN GROVE	STH 29 WB	N. FRK POPPLE RIVER	BRIDGE DECK	5,078.00
B-10-0176	CLARK	T-COLBY	STH 29	DILL CREEK	BRIDGE DECK	2,890.00
B-10-0177	CLARK	T-LONGWOOD	STH 73 NB	STH 29	BRIDGE COLUMNS	1,130.40
B-10-0178	CLARK	T-GREEN GROVE	CARDINAL AVE	STH 29	BRIDGE COLUMNS	376.80
B-10-0179	CLARK	V-CURTISS	CTH E	STH 29	BRIDGE COLUMNS	753.60



DATE 14MAR16		E S T I M A T E O F Q U A N T I T I E S					
LINE	NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1050-10-80 QUANTI TY	1050-10-81 QUANTI TY
0010	213.0100		Finishing Roadway (project) 01. 1050-10-80	EACH	1.000	1.000	
0020	213.0100		Finishing Roadway (project) 02. 1050-10-81	EACH	1.000		1.000
0030	502.3215.S		Protective Surface Treatment Reseal	SY	42,600.200	26,597.400	16,002.800
0040	619.1000		Mobilization	EACH	1.000	0.600	0.400
0050	628.7010		Inlet Protection Type B	EACH	12.000		12.000
0060	643.0100		Traffic Control (project) 01. 1050-10-80	EACH	1.000	1.000	
0070	643.0100		Traffic Control (project) 02. 1050-10-81	EACH	1.000		1.000
0080	643.0300		Traffic Control Drums	DAY	5,500.000	3,300.000	2,200.000
0090	643.0420		Traffic Control Barricades Type III	DAY	120.000	70.000	50.000
0100	643.0705		Traffic Control Warning Lights Type A	DAY	225.000	135.000	90.000
0110	643.0715		Traffic Control Warning Lights Type C	DAY	1,630.000	980.000	650.000
0120	643.0800		Traffic Control Arrow Boards	DAY	225.000	135.000	90.000
0130	643.0900		Traffic Control Signs	DAY	1,630.000	980.000	650.000
0140	643.1050		Traffic Control Signs PCMS	DAY	50.000	25.000	25.000
0150	SPV.0045		Special 01. Portable Changeable Message Sign (PCMS) Cellular Communications	DAY	50.000	25.000	25.000

FINISHING ROADWAY

CATEGORY	PROJECT	LOCATION	213.0100 EACH
0010	1050-10-80	STH 29	1
TOTAL			1

TRAFFIC CONTROL

CATEGORY	PROJECT	LOCATION	643.0100 PROJECT 1050-10-80 EACH	643.0300 DRUMS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 LIGHTS TYPE A DAYS	643.0715 LIGHTS TYPE C DAYS	643.0800 ARROW BOARDS DAYS	643.0900 SIGNS DAYS	643.1050 SIGNS PCMS DAYS	SPV.0045.01 PCMS CELLULAR COMMUNICATIONS DAYS
0010	1050-10-80	STH 29	1	3300	70	135	980	135	980	25	25
TOTALS			1	3300	70	135	980	135	980	25	25

PROTECTIVE SURFACE TREATMENT RESEAL

CATEGORY	STRUCTURE ID	HWY ON	FEATURE UNDER	TYPE	502.3215.S SY
0020	B-09-0019	CTH X	STH 29	BRIDGE COLUMNS	125.6
0030	B-09-0020	STH 29 EB	CTH X	BRIDGE DECK	818.3
0040	B-09-0022	CTH X	STH 29	BRIDGE COLUMNS	125.6
0050	B-09-0030	CTH X (37TH AVE)	STH 29	BRIDGE COLUMNS	94.2
0060	B-09-0031	STH 29 WB	STILLSON CREEK	BRIDGE DECK	571.3
0070	B-09-0032	160 th St.	STH 29	BRIDGE COLUMNS	94.2
0080	B-09-0033	50TH AVE.	STH 29	BRIDGE COLUMNS	94.2
0090	B-09-0034	CTH J	STH 29	BRIDGE COLUMNS	94.2
0100	B-09-0035	STH 29 WB	190TH ST.	BRIDGE DECK	494.9
0110	B-09-0036	195TH ST.	STH 29	BRIDGE COLUMNS	94.2
0120	B-09-0037	CTH K (STILLSON RD)	STH 29	BRIDGE COLUMNS	94.2
0130	B-09-0038	STH 29 WB	PAINT CREEK	BRIDGE DECK	486.6
0140	B-09-0039	220TH ST.	STH 29	BRIDGE COLUMNS	94.2
0150	B-09-0171	STH 29 EB	STILLSON CREEK	BRIDGE DECK	776.8
0160	B-09-0174	STH 29 EB	190TH ST.	BRIDGE DECK	467.2
0170	B-09-0175	STH 29 EB	PAINT CREEK	BRIDGE DECK	510.7
0180	B-09-0176	CTH XX	STH 29	BRIDGE COLUMNS	31.4
0190	B-09-0177	STH 29 WB	CTH X	BRIDGE DECK	812.7
0200	B-09-0179	STH 27	STH 29	BRIDGE COLUMNS	125.6
0210	B-09-0189	CTH D	STH 29	BRIDGE COLUMNS	167.5
0220	B-09-0190	STH 29 WB	CTH H	BRIDGE DECK	683.7
0230	B-09-0191	STH 29 EB	CTH H	BRIDGE DECK	683.7
0240	B-09-0206	STH 29 WB	ELK CREEK	BRIDGE DECK	357.7
0250	B-09-0207	STH 29 EB	ELK CREEK	BRIDGE DECK	399.0
0260	B-09-0208	CTH T	STH 29	BRIDGE COLUMNS	62.8
0270	B-09-0209	STH 29 WB	CHIPPEWA RIVER	BRIDGE DECK	4,006.9
0280	B-09-0210	STH 29 EB	CHIPPEWA RIVER	BRIDGE DECK	3,306.3
0290	B-09-0211	110TH ST (SHAFER RD)	STH 29	BRIDGE COLUMNS	31.4
0300	B-09-0212	120TH ST (EMERSON RD)	STH 29	BRIDGE COLUMNS	62.8
0310	B-09-0213	STH 29 WB	UP RAILROAD	BRIDGE DECK	1,172.6
0320	B-09-0214	STH 29 EB	UP RAILROAD	BRIDGE DECK	929.8
0330	B-09-0215	STH 29 WB	STH 124	BRIDGE DECK	1,272.2
0340	B-09-0216	STH 29 EB	STH 124	BRIDGE DECK	992.1
0350	B-09-0217	STH 29 WB	USH 53NB	BRIDGE DECK	2,349.2
0360	B-09-0218	STH 29 EB	USH 53	BRIDGE DECK	2,157.8
0370	B-09-0219	130TH ST (AEBLY RD)	STH 29	BRIDGE COLUMNS	31.4
0380	B-09-0220	CTH P	STH 29	BRIDGE COLUMNS	31.4
0390	B-09-0221	40TH AVE	STH 29	BRIDGE COLUMNS	31.4
0400	B-09-0222	50TH AVE	STH 29	BRIDGE COLUMNS	31.4
0410	B-09-0223	SEYMOUR CRAY SR BLVD	STH 29	BRIDGE COLUMNS	62.8
0420	B-09-0225	SEYMOUR CRAY SR BLVD	STH 29	BRIDGE COLUMNS	31.4
0430	B-09-0226	SEYMOUR CRAY SR BLVD	STH 29	BRIDGE COLUMNS	31.4
0440	B-09-0241	CTH F	STH 29	BRIDGE COLUMNS	31.4
0450	B-09-0242	90TH STREET	STH 29	BRIDGE COLUMNS	41.9
0460	B-09-0243	STH 29 WB	103RD STREET	BRIDGE DECK	486.7
0470	B-09-0244	STH 29 EB	103RD STREET	BRIDGE DECK	486.7
0480	B-09-0245	STH 29 - OFF RAMP	STH 124	BRIDGE DECK	657.9
TOTAL					26,597.1



FINISHING ROADWAY

CATEGORY	PROJECT	LOCATION	213.0100
			EACH
0010	1050-10-81	STH 29	1
TOTAL			1

INLET PROTECTION

CATEGORY	STRUCTURE	ROADWAY	LOCATION	628.7010
				TYPE B EACH
0010	B-10-0020	STH 29 EB	POPPLE RIVER	1
0010	B-10-0023	STH 29 EB	WISC CENTRAL RR	6
0010	B-10-0173	STH 29 WB	CTH D	1
0010	B-10-174	STH 29 WB	WISC CENTRAL RR	4
TOTAL				12

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.

TRAFFIC CONTROL

CATEGORY	PROJECT	LOCATION	643.0100	643.0300	643.0420	643.0705	643.0715	643.0800	643.0900	643.1050	SPV.0045.01
			PROJECT 1050-10-80 EACH	DRUMS DAYS	BARRICADES TYPE III DAYS	LIGHTS TYPE A DAYS	LIGHTS TYPE C DAYS	ARROW BOARDS DAYS	SIGNS DAYS	SIGNS PCMS DAYS	PCMS CELLULAR COMMUNICATIONS DAYS
0010	1050-10-81	STH 29	1	2200	50	90	650	90	650	25	25
TOTALS			1	2200	50	90	650	90	650	25	25

PROTECTIVE SURFACE TREATMENT RESEAL





CATEGORY	STRUCTURE ID	HWY ON	FEATURE UNDER	TYPE	502.3215.S
					SY
0020	B-10-0017	STH 29 EB	DILL CREEK	BRIDGE DECK	284.7
0030	B-10-0019	STH 29-STH 73	BLACK RIVER	BRIDGE DECK	1,260.0
0040	B-10-0020	STH 29 EB	POPPLE RIVER	BRIDGE DECK	843.2
0050	B-10-0022	STH 29 EB	CTH D	BRIDGE DECK	632.7
0060	B-10-0023	STH 29 EB	WISCONSIN CENTRAL RR	BRIDGE DECK	810.3
0070	B-10-0143	STH 29 WB	N FK EAU CLAIRE RIVER	BRIDGE DECK	647.3
0080	B-10-0144	STH 29 WB	STH 73 NB	BRIDGE DECK	677.4
0090	B-10-0145	STH 29 EB	STH 73 NB	BRIDGE DECK	677.4
0100	B-10-0146	STH 29 EB	N FK EAU CLAIRE RIVER	BRIDGE DECK	647.3
0110	B-10-0149	STH 29 EB	N. FRK POPPLER RIVER	BRIDGE DECK	564.2
0120	B-10-0151	HILINE AVE	STH 29	BRIDGE COLUMNS	31.4
0130	B-10-0168	STH 29 WB-STH 73 NB	S FK EAU CLAIRE RIVER	BRIDGE DECK	494.4
0140	B-10-0169	STH 29 EB-STH 73 SB	S FK EAU CLAIRE RIVER	BRIDGE DECK	494.4
0150	B-10-0170	STH 29-STH 73	BLACK RIVER	BRIDGE DECK	1,551.8
0160	B-10-0171	STH 29 WB	POPPLE RIVER	BRIDGE DECK	930.2
0170	B-10-0173	STH 29 WB	CTH D	BRIDGE DECK	808.8
0180	B-10-0174	STH 29 WB	WISC CENTRAL LTD RR	BRIDGE DECK	916.8
0190	B-10-0175	STH 29 WB	N. FRK POPPLE RIVER	BRIDGE DECK	564.2
0200	B-10-0176	STH 29 WB	DILL CREEK	BRIDGE DECK	321.1
0210	B-10-0177	STH 73 NB	STH 29	BRIDGE COLUMNS	125.6
0220	B-10-0178	CARDINAL AVE	STH 29	BRIDGE COLUMNS	41.9
0230	B-10-0179	CTH E	STH 29	BRIDGE COLUMNS	83.7
0240	B-17-0059	IH 94 WB	USH 12-STH 29	BRIDGE COLUMNS	188.4
0250	B-17-0060	IH 94 EB	USH 12-STH 29	BRIDGE COLUMNS	188.4
0260	B-17-0116	USH12-STH29	CNW RR	BRIDGE DECK	911.9
0270	B-17-0163	USH12-STH29	UNION PACIFIC RR	BRIDGE DECK	812.0
0280	B-17-0075	STH 29	GILBERT CREEK	BRIDGE DECK	493.3
TOTAL					16,003.1

Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15D12-05A	TRAFFIC CONTROL, LANE CLOSURE
15D12-05B	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



LEGEND

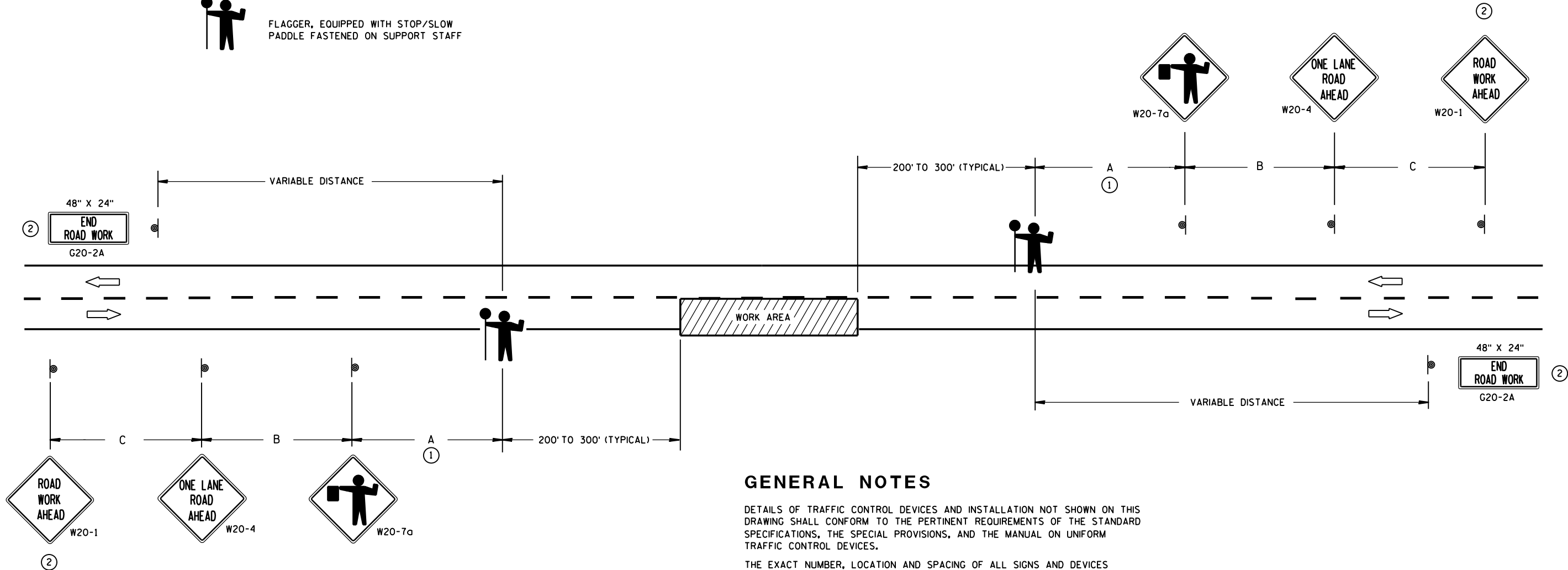
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



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.

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.

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, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

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

- ① FOR A MOVING WORK OPERATION, SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT 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.

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
8/2013 /S/ Travis Feltes  
DATE STATE TRAFFIC ENGINEER OF DESIGN  
FHWA



LEGEND

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

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 DESIREABLE) DISTANCE TO EXISTING SIGNS.

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

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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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

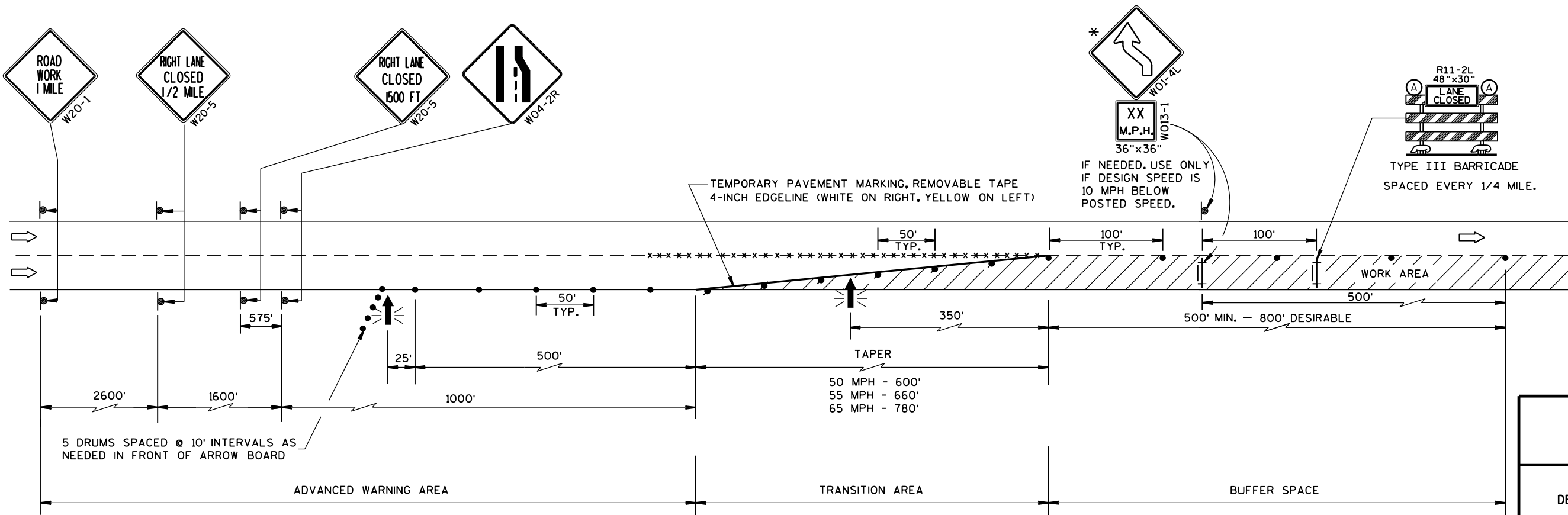
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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. THE LANE CLOSURE MUST 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. 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.

\* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED Feb. 2015 DATE	/S/ Travis Fettes STATE TRAFFIC ENGINEER OF DESIGN
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 DESIREABLE) DISTANCE TO EXISTING SIGNS.

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"W0" 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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE 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.

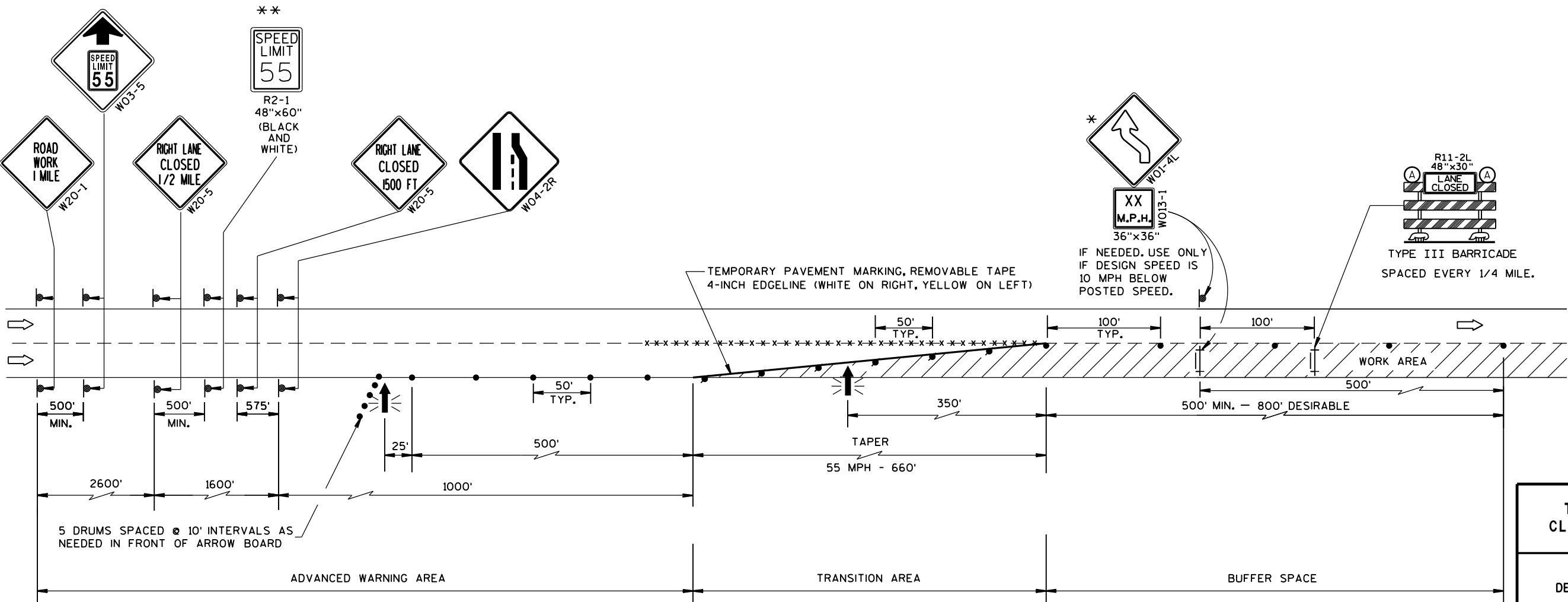
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. 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.

\* THE LEFT REVERSE CURVE SIGN (W01-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.

\*\* A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES. INCLUDE A 65 MPH RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIREABLE) BEYOND THE "END OF ROADWORK" SIGN.

LEGEND

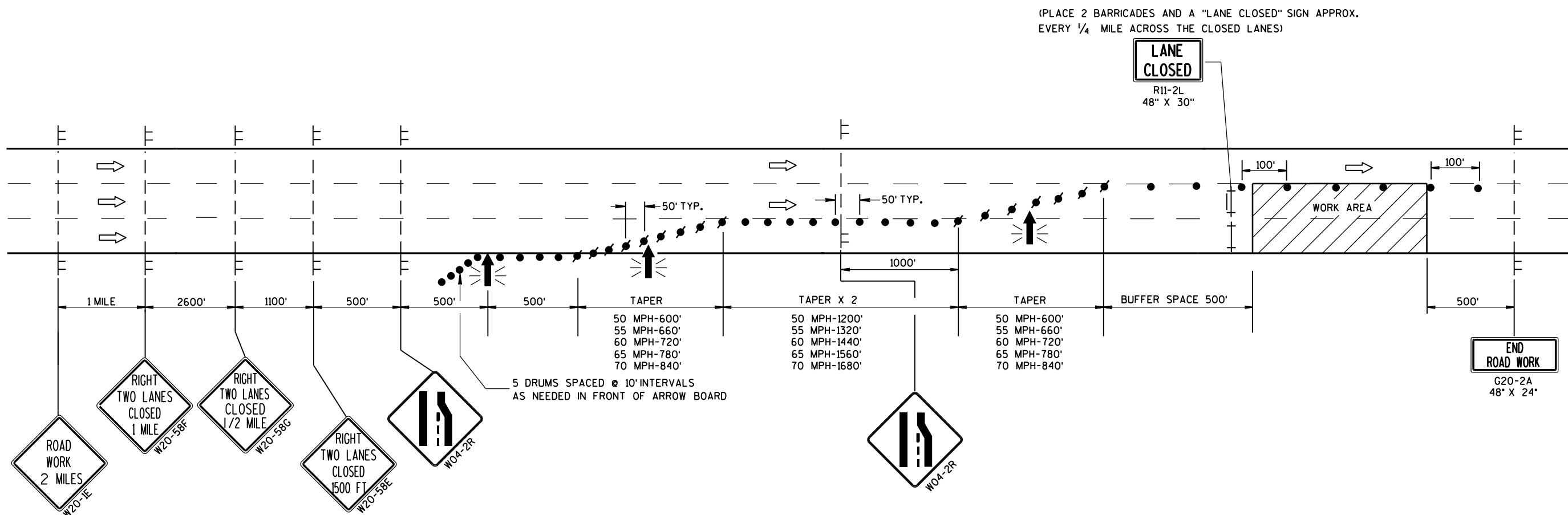
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED Feb. 2015 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

## LEGEND

- TYPE III BARRICADE
- 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
- WORK AREA



## GENERAL NOTES

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

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

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

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

"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.

W20-1E 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.

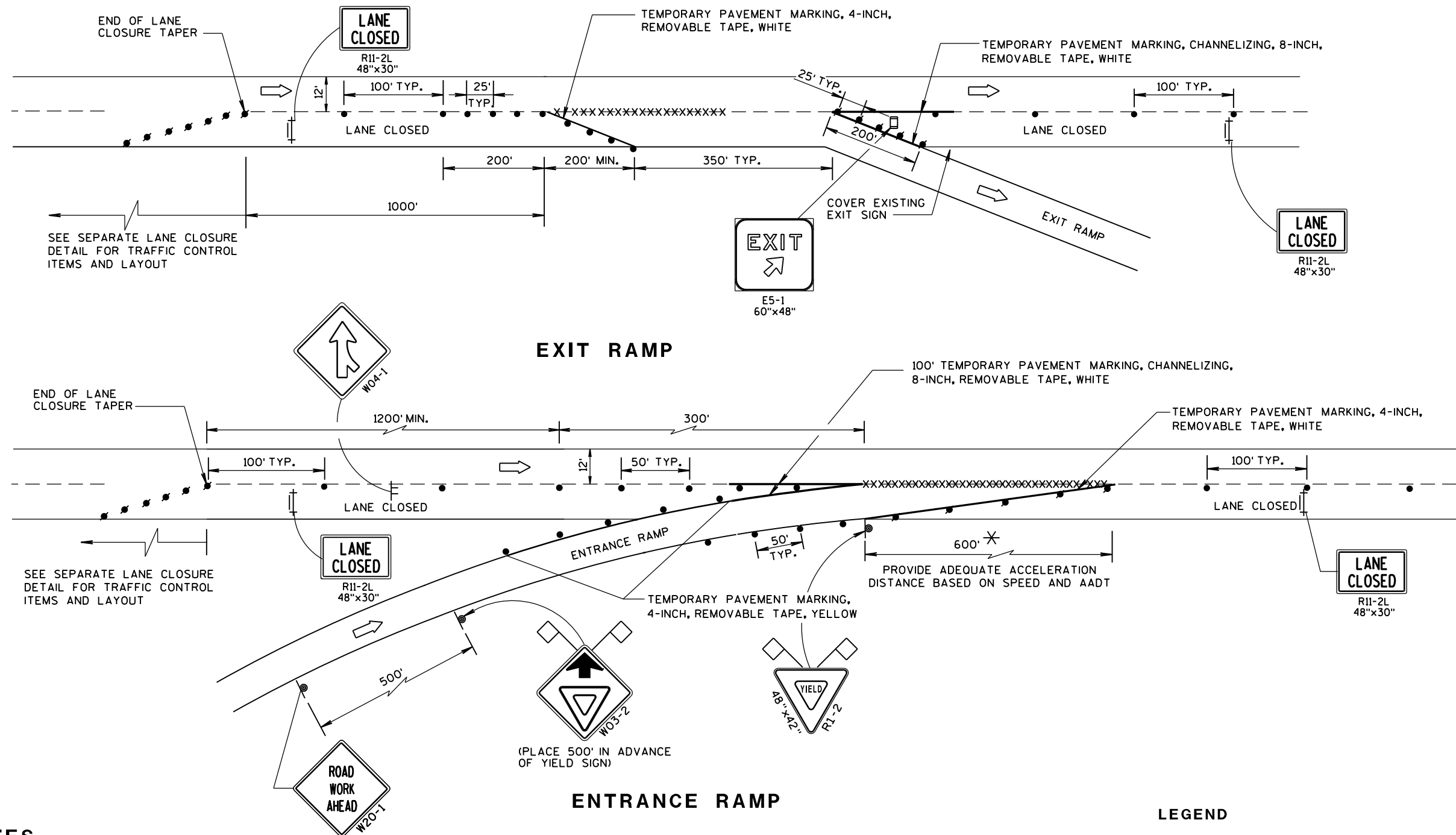
WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

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



GENERAL NOTES

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

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

\* LENGTH OF OPENING MAY BE REDUCED TO 150 FEET DURING STAGING OF WORK IN IMMEDIATE AREA OF RAMP TAPER.

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" x 16" MIN., (ORANGE)
	DIRECTION OF TRAFFIC

TRAFFIC CONTROL,  
EXIT AND ENTRANCE RAMP  
WITHIN LANE CLOSURE

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
Sept. 2015 /S/ Peter Amokobe Atepe  
DATE STATEWIDE WORK ZONE TRAFFIC  
FHWA SAFETY ENGINEER



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

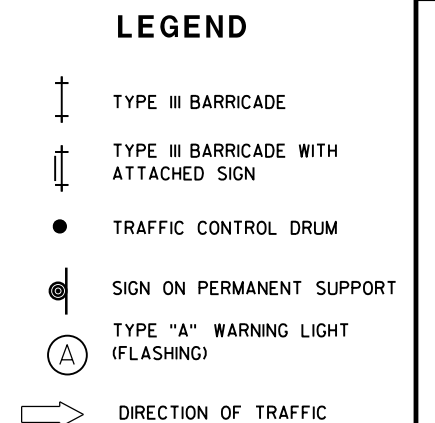
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12-HOUR DURATION.

\*\* PLACE "RAMP WILL BE CLOSED" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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



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

Dedicated people creating transportation solutions  
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