

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY REHABILITATION - MAINTENANCE PROJECT

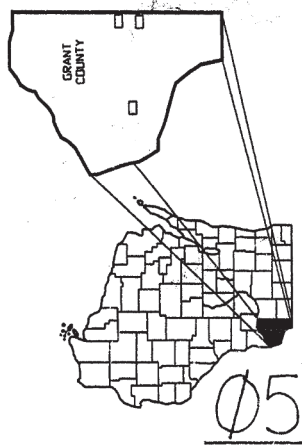
STRUCTURE MAINTENANCE REPAIRS

AS-BUILT PLANS

INDEX OF SHEETS

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- Sheet No. 3.1-3.2 Estimate of Quantities
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- Sheet No. 8 Structure Plans
- Sheet No. 9 Computer Earthwork Data
- Sheet No. 10 Cross Sections

TOTAL SHEETS = 15



STH 81
(HACKETT BRANCH CREEK BRIDGE)
TOWN OF BEETOWN
GRANT COUNTY

STATE PROJECT NUMBER
5215-00-60
(B-22-827)

STH 80
(LITTLE PLATTE RIVER BRIDGE)
TOWN OF LIMA
GRANT COUNTY

STATE PROJECT NUMBER
5035-00-60
(B-22-22)

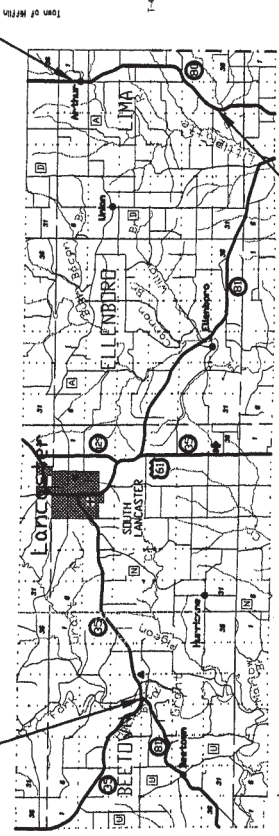
STH 80
(MOUNDS BRANCH CREEK BRIDGE)
TOWN OF LIMA
GRANT COUNTY

STATE PROJECT NUMBER
5035-00-61
(B-22-15)

PROJECT 5215-00-60
B-22-827

PROJECT 5035-00-60
B-22-22

DESIGNATION (STH 81) (STH 80/B-22-22) (STH 80/B-22-15)
A.D.T. (2000) = 1300 2800 2800



- CONVENTIONAL SYMBOLS
- COUNTY LINE
 - CORPORATE LIMITS
 - PROPERTY LINE
 - LOT LINE
 - LIMITED EASEMENT
 - EXISTING RIGHT OF WAY
 - NEW RIGHT OF WAY
 - REFERENCE LINE
 - SLOPE INTERCEPT
 - ORIGINAL GROUND
 - MARSH OR ROCK PROFILE
 - CULVERT IN PLACE
 - CULVERT REQUIRED
 - CULVERT REQUIRED (Profile)
- COMBUSTIBLE FLUIDS (UNDER PRESSURE)
- GAS
 - ELECTRIC
 - TELEPHONE
 - SERVICE PEDESTAL
 - CABLE MARKER
 - POWER POLE
 - TELEPHONE POLE
 - RAILROADS
 - MARSH
 - WOODED AREA
- UNDERGROUND UTILITIES
- GAS
 - ELECTRIC
 - TELEPHONE
 - SERVICE PEDESTAL
 - CABLE MARKER
 - POWER POLE
 - TELEPHONE POLE
 - RAILROADS
 - MARSH
 - WOODED AREA

DATE STARTED: 5/06/02
DATE COMPLETED: 6/06/02

SCALE 0 2 MI.

TOTAL NET LENGTH OF CENTERLINE 5035-00-60 (B-22-22) = 0.000 MI.
5035-00-61 (B-22-15) = 0.000 MI.
5215-00-60 (B-22-827) = 0.000 MI.

STATE PROJECT	FEDERAL PROJECT
5215-00-60	PROJECT
5035-00-60	CONTRACT
5035-00-61	

PRIME CONTRACTOR:

UNITED PAINTING INC.

PROJECT ENGINEER:

STEVE ALT, Jewell + Assoc.

WISDOT SUPERVISOR:

Matt Murphy

District #1

Maintenance

ORIGINAL PLANS PREPARED BY
WESTBROOK ASSOCIATED
ENGINEERS, INC.
SPRING GREEN, WISCONSIN 53588

6/26/2001 J. C. K. J. (Signature)
DATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
Surveyor WESTBROOK
Designer WESTBROOK
District Engineer J. C. K. J.
District Supervisor K. A. K. J.
Proj. Eng. Engineer J. C. K. J.
C. O. Examiner J. C. K. J.

APPROVED FOR DISTRICT OFFICE
DATE 7/1/01 J. C. K. J. (Signature)
APPROVED FOR BUREAU OF HIGHWAY OPERATIONS
DATE 7/25/01 J. C. K. J. (Signature)

PROFESSIONAL ENGINEER
GERALD C. KINTZ
E-30485
RICHLAND CENTER, WI



WESTBROOK ASSOCIATED
ENGINEERS, INC.
SPRING GREEN, WI 53588

NOTES

- "W" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT BACKGROUND IS ORANGE.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- REMOVE EXISTING CONFLICTING PAVEMENT MARKINGS AND ADD TEMPORARY MARKINGS AS NEEDED. PAVEMENT MARKINGS SHALL BE REPLACED AT PROJECT COMPLETION.
- NON-OPERATIONAL EQUIPMENT OR MATERIAL SHALL BE LOCATED BEHIND THE PRECAST CONCRETE BARRIER.

BARRICADES SHALL BE EQUIPPED WITH TWO TYPE "A" LOW INTENSITY FLASHING WARNING LIGHTS.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE REMOVED OR RELOCATED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS, OR AS DIRECTED BY THE ENGINEER.

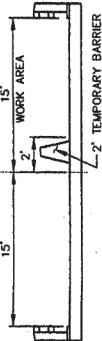
SIGNALS TO BE FURNISHED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

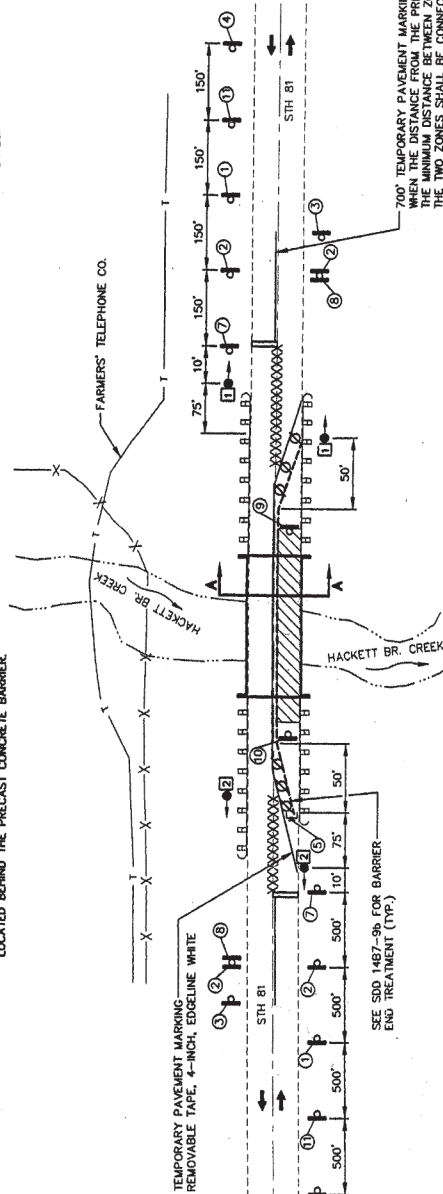
STATE PROJECT NUMBER	5215-00-60
SHEET NO.	2.1
TRAFFIC CONTROL DETAIL	

STANDARD DETAIL DRAWINGS

- 1487-9a TEMPORARY PRECAST CONCRETE BARRIER
- 1487-9b TEMPORARY PRECAST CONCRETE TRUNK CUSHION
- 1528-9a PAVEMENT MARKING (MAINLINE)



SECTION A-A



INSTALL ON EACH APPROACH AT THE CLOSEST SECTION WITHIN THE COUNTY TRUNK HIGHWAY OR AS INDICATED. THE WIDTH ON SIGN TO BE APPROX. 1 FOOT LESS THAN AVAILABLE WIDTH. (OMIT IF AVAILABLE WIDTH IS MORE THAN 15 FEET.)

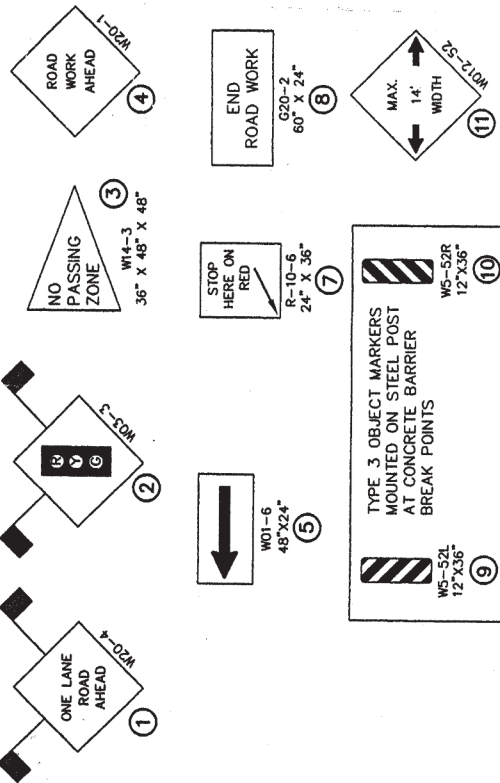
700' TEMPORARY PAVEMENT MARKING, 4-INCH YELLOW CENTERLINE (TYP.) WHEN THE DISTANCE FROM THE PRECEDING EXISTING NO-PASSING ZONE IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES AS INDICATED IN THE SPECIFICATIONS, THE TWO ZONES SHALL BE CONNECTED.

TRAFFIC CONTROL DETAIL

(B-22-827 HACKETT BRANCH CREEK BRIDGE)
NOTE: DRAWING NOT TO SCALE

LEGEND

- TRAFFIC SIGNALS
- TYPE III BARRICADES WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH WARNING LIGHT, TYPE C (STEADY BEAM) (25' C-C SPACING)
- SIGN ON TEMPORARY SUPPORT
- CONTRACTOR OWNED TEMPORARY PRECAST CONC. BARRIERS TO BE INSTALLED AS DIRECTED BY THE ENGINEER.
- TEMPORARY STOP LINE, REMOVABLE TAPE, 24-INCH
- NUMBER DESIGNATES HEAD
- 12" RED LENS
- 12" YELLOW LENS
- 12" GREEN LENS
- 16" X 16" MIN. ORANGE FLAGS
- XXXX REMOVE PAVEMENT MARKING
- CONSTRUCTION WORK AREA



TRAFFIC CONTROL DETAIL

NOTES

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

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

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

REMOVE EXISTING CONFLICTING PAVEMENT MARKINGS PRIOR TO INSTALLATION OF TEMPORARY MARKINGS.

NON-OPERATIONAL EQUIPMENT OR MATERIAL SHALL BE LOCATED BEHIND THE PRECAST CONCRETE BARRIER.

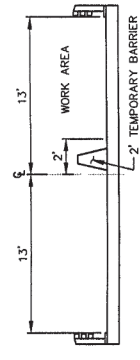
SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FIRM'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

BARRICADES SHALL BE EQUIPPED WITH TWO TYPE "A" [LOW INTENSITY FLASHING] WARNING LIGHTS.

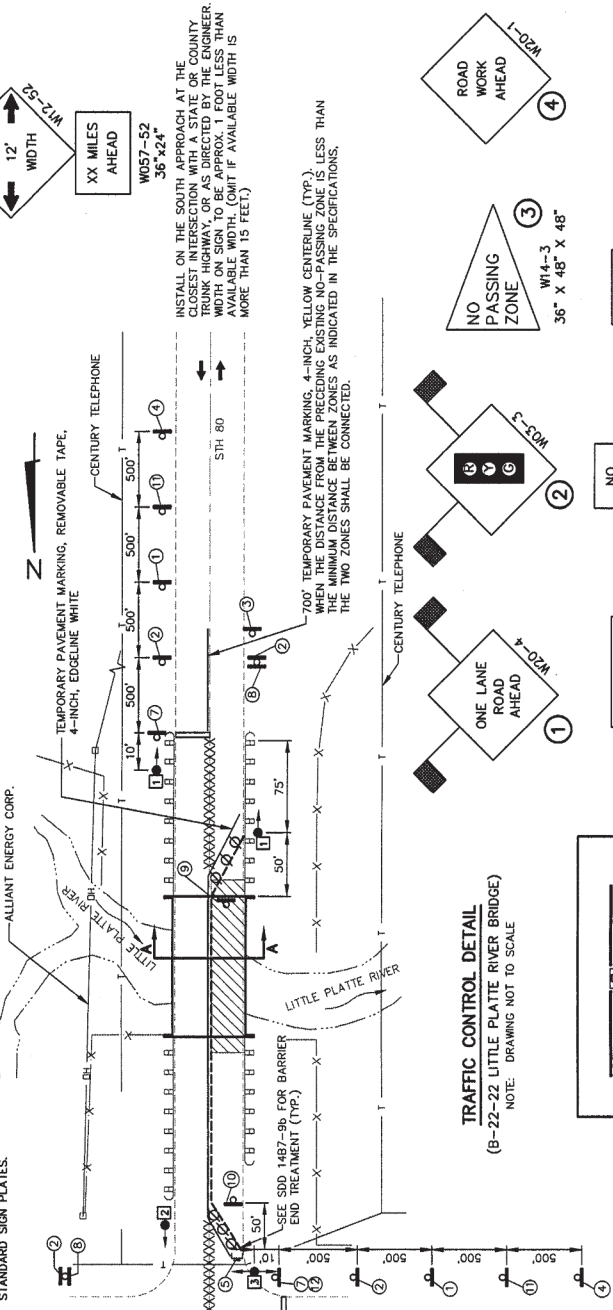
ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISION, OR AS DIRECTED BY THE ENGINEER.

SIGNALS TO BE FURNISHED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR.

A MINIMUM CLEARANCE BENEATH THE OVERHEAD LINES FOR THE TEMPORARY TRAFFIC LIGHTS SHALL BE 18 FEET.



SECTION A-A



TRAFFIC CONTROL DETAIL
(B-22-22 LITTLE PLATTE RIVER BRIDGE)
NOTE: DRAWING NOT TO SCALE

LEGEND

- TRAFFIC SIGNALS
- W/ TYPE III BARRICADES WITH/WITHOUT ATTACHED SIGN
- Ø TRAFFIC CONTROL DRUM WITH WARNING LIGHT, TYPE C (STEADY BEAM) (25' C-C SPACING)
- d— SIGN ON TEMPORARY SUPPORT
- CONTRACTOR OWNED TEMPORARY PRECAST CONC. BARRIER TO BE INSTALLED AS DIRECTED BY THE ENGINEER.
- TEMPORARY STOP LINE, REMOVABLE TAPE, 24-INCH
- ①— NUMBER DESIGNATES HEAD
- ②— 12" RED LENS
- ③— 12" YELLOW LENS
- ④— 12" GREEN LENS
- ⑤— 16" X 16" MIN. ORANGE FLAGS
- XXXX REMOVE PAVEMENT MARKING
- ▤ CONSTRUCTION WORK AREA

WESTBROOK ASSOCIATED ENGINEERS, INC.
100 MAIN STREET
DUBUQUE, IA 52004-0769
ATTN: GARY QUADE
(319) 584-7395
CENTURY TELEPHONE
135 N. BONSON STREET
PLATTEVILLE, WI 53181
ATTN: BOB SCHROEDER
(608) 342-4327

TYPE 3 OBJECT MARKERS
MOUNTED ON STEEL POST
AT CONCRETE BARRIER
BREAK POINTS

WS-52R
12 X 36"

WS-52L
12 X 36"

WS-52R
12 X 36"

W01-6
48" X 24"

W01-6
48" X 24"

W01-6
48" X 24"

NO TURN ON RED
R10-11a
24" X 30"

STOP HERE ON RED
R-10-6
24" X 36"

END ROAD WORK
G20-2
60" X 24"

NO PASSING ZONE
W14-3
36" X 48" X 48"

ROAD WORK AHEAD
W20-1
48" X 48"

MAX. 12' WIDTH
W02-52
60" X 24"

INSTALL ON THE SOUTH APPROACH AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY, OR AS DIRECTED BY THE ENGINEER, WITH A SIGN TO BE APPROX. 1 FOOT LESS THAN THE AVAILABLE WIDTH OF THE ROADWAY IF AVAILABLE WIDTH IS MORE THAN 15 FEET.

W057-52
36" X 24"

NOTES

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

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

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

REMOVE EXISTING CONFLICTING PAVEMENT MARKINGS AND ADD TEMPORARY MARKINGS AS NEEDED. PAVEMENT MARKINGS SHALL BE REPLACED AT PROJECT COMPLETION.

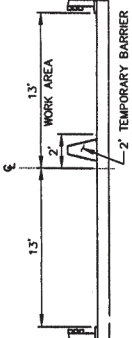
NON-OPERATIONAL EQUIPMENT OR MATERIAL SHALL BE LOCATED BEHIND THE PRECAST CONCRETE BARRIER.

BARRICADES SHALL BE EQUIPPED WITH TWO TYPE "A" LOW INTENSITY FLASHING WARNING LIGHTS.

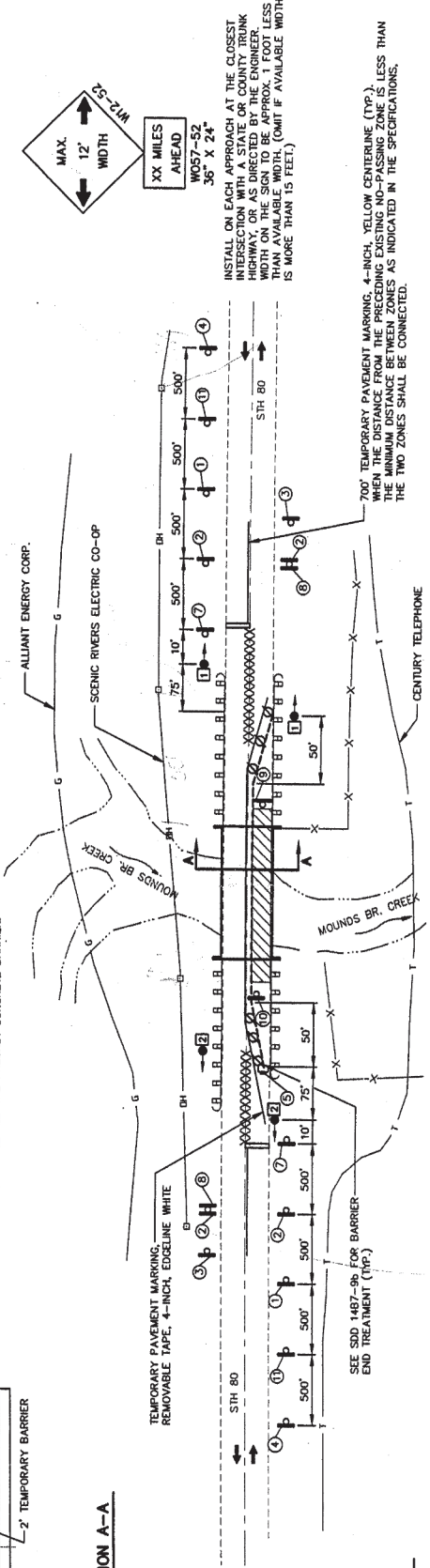
ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE SHALL BE REMOVED OR COVERED BY THE ENGINEER. PLANS AND/OR THE SPECIAL PROVISION, OR AS DIRECTED BY THE ENGINEER.

SIGNALS TO BE FURNISHED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OR STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.



SECTION A-A



TRAFFIC CONTROL DETAIL
(8-22-15 MOUNDS BRANCH CREEK BRIDGE)
NOTE: DRAWING NOT TO SCALE

LEGEND

- TRAFFIC SIGNALS
- W/ TYPE III BARRICADES WITH/WITHOUT ATTACHED SIGN
- Ø TRAFFIC CONTROL DRUM WITH WARNING LIGHT, TYPE C (STEADY BEAM) (25' C-C SPACING)
- SIGN ON TEMPORARY SUPPORT
- CONTRACTOR OWNED TEMPORARY PRECAST CONC. BARRIER TO BE INSTALLED AS DIRECTED BY THE ENGINEER.
- TEMPORARY STOP LINE, REMOVABLE TAPE, 24-INCH
- NUMBER DESIGNATES HEAD
- 12" RED LENS
- 12" YELLOW LENS
- 12" GREEN LENS
- 16" X 16" MIN. ORANGE FLAGS
- XXX REMOVE PAVEMENT MARKING
- ZZZ CONSTRUCTION WORK AREA



CENTURY TELEPHONE
135 N. BONSON STREET
PLATTEVILLE, WI 53813
ATTN: BOB SCHROEDER
(608) 342-4327

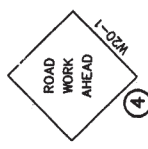
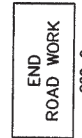
SCENIC RIVERS ELECTRIC CO-OP
231 N. SHERIDAN STREET
LANCASTER, WI 53813
ATTN: DAN STELPLUG
(608) 723-2121

ALLIANT ENERGY CORP.
100 MAIN STREET
DUBUQUE, IA 52004-0769
ATTN: GARY JUADE
(319) 584-7395

TYPE 3 OBJECT MARKERS
MOUNTED ON STEEL POST
AT CONCRETE BARRIER
BREAK POINTS

WS-52L
12" X 36"

WS-52R
12" X 36"



INSTALL ON EACH APPROACH AT THE CLOSEST AVAILABLE DISTANCE FROM THE PRECEDING EXISTING NO-PASSING ZONE IS LESS THAN THE MINIMUM DISTANCE INDICATED IN THE SPECIFICATIONS. THE TWO ZONES SHALL BE CONNECTED.

700' TEMPORARY PAVEMENT MARKING, 4-INCH, YELLOW CENTERLINE (TYP.). WHEN THE DISTANCE FROM THE PRECEDING EXISTING NO-PASSING ZONE IS LESS THAN THE MINIMUM DISTANCE INDICATED IN THE SPECIFICATIONS, THE TWO ZONES SHALL BE CONNECTED.

XX MILES AHEAD
W057-52
36" X 24"

MAX. 12" WIDTH
W12-52
48" X 48"

SEE SDD 1487-96 FOR BARRIER END TREATMENT (TYP.)

TYPICAL BRIDGE TEMPORARY
TRAFFIC SIGNAL INSTALLATION

GENERAL NOTES

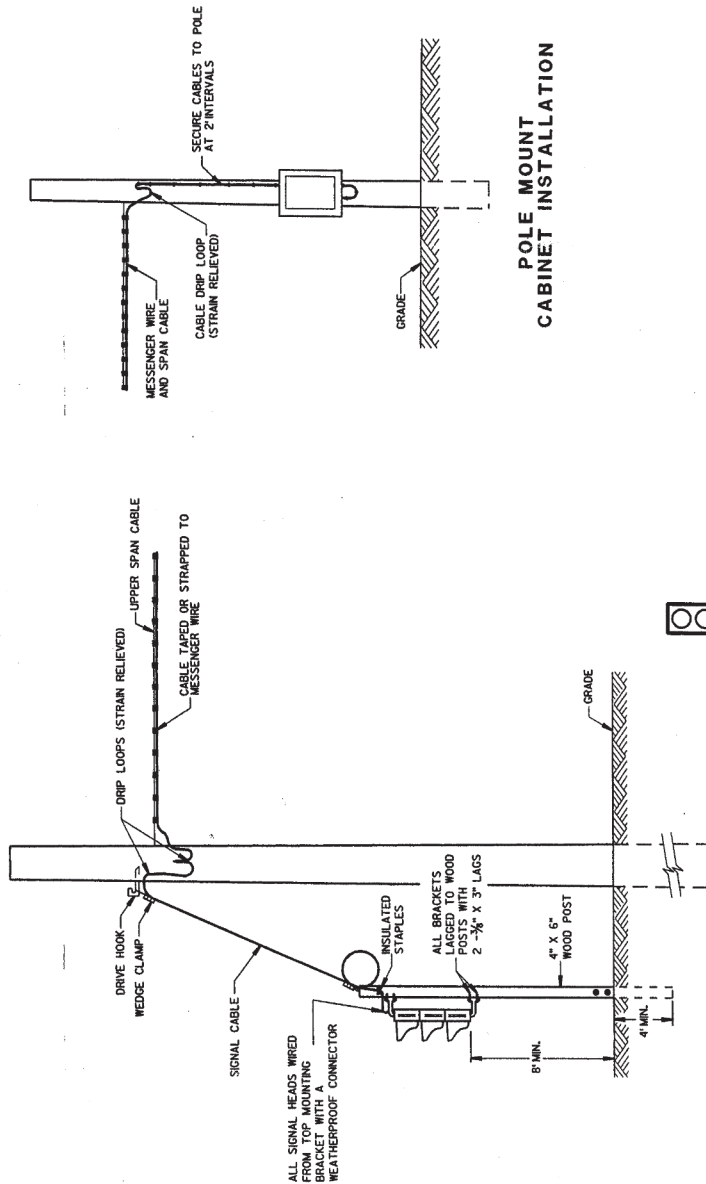
DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

POLE MOUNTED TRAFFIC SIGNAL CONTROL CABINET MAY BE MOUNTED ON THE SERVICE POLE IF THE ELECTRICAL UTILITY ALLOWS THE INSTALLATION.

WHEN UTILITY POLES ARE USED TO SPAN THE TEMPORARY OVERHEAD CABLE, WRITTEN PERMISSION FROM THE UTILITY MUST BE OBTAINED. POLES AND OPEN TO THE PROJECT MANAGER. ALL PERTINENT UTILITY AND CODE CLEARANCES SHALL BE MAINTAINED.

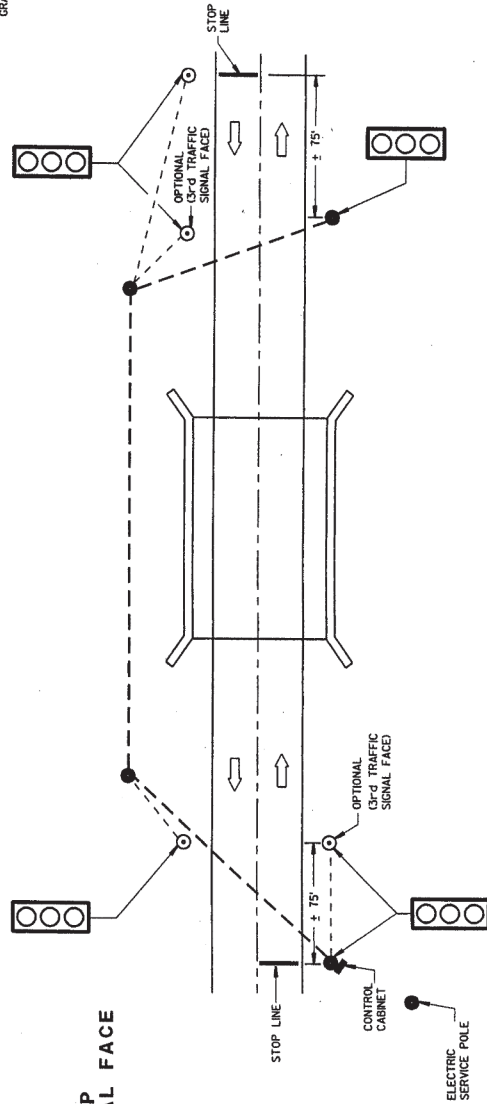
WOOD POLES (NONBREAKAWAY) SHALL BE NO CLOSER THAN 12 FEET FROM OUTER EDGE OF OUTSIDE THRU LANE OR 4 FEET BEHIND PROTECTIVE BARRIER (BEANGUARD, ETC.)

WOOD POSTS (BREAKAWAY) SHALL BE NO CLOSER THAN 2 FEET OUTSIDE OF SHOULDER.



POLE MOUNT
CABINET INSTALLATION

TYPICAL DROP
TO TRAFFIC SIGNAL FACE



GROUND MOUNT
CABINET INSTALLATION

LEGEND

- WOOD POLE (NONBREAKAWAY)
- WOOD POST (BREAKAWAY)
- SIGNAL CABLE
- SIGNAL CABLE W/MESSENGER

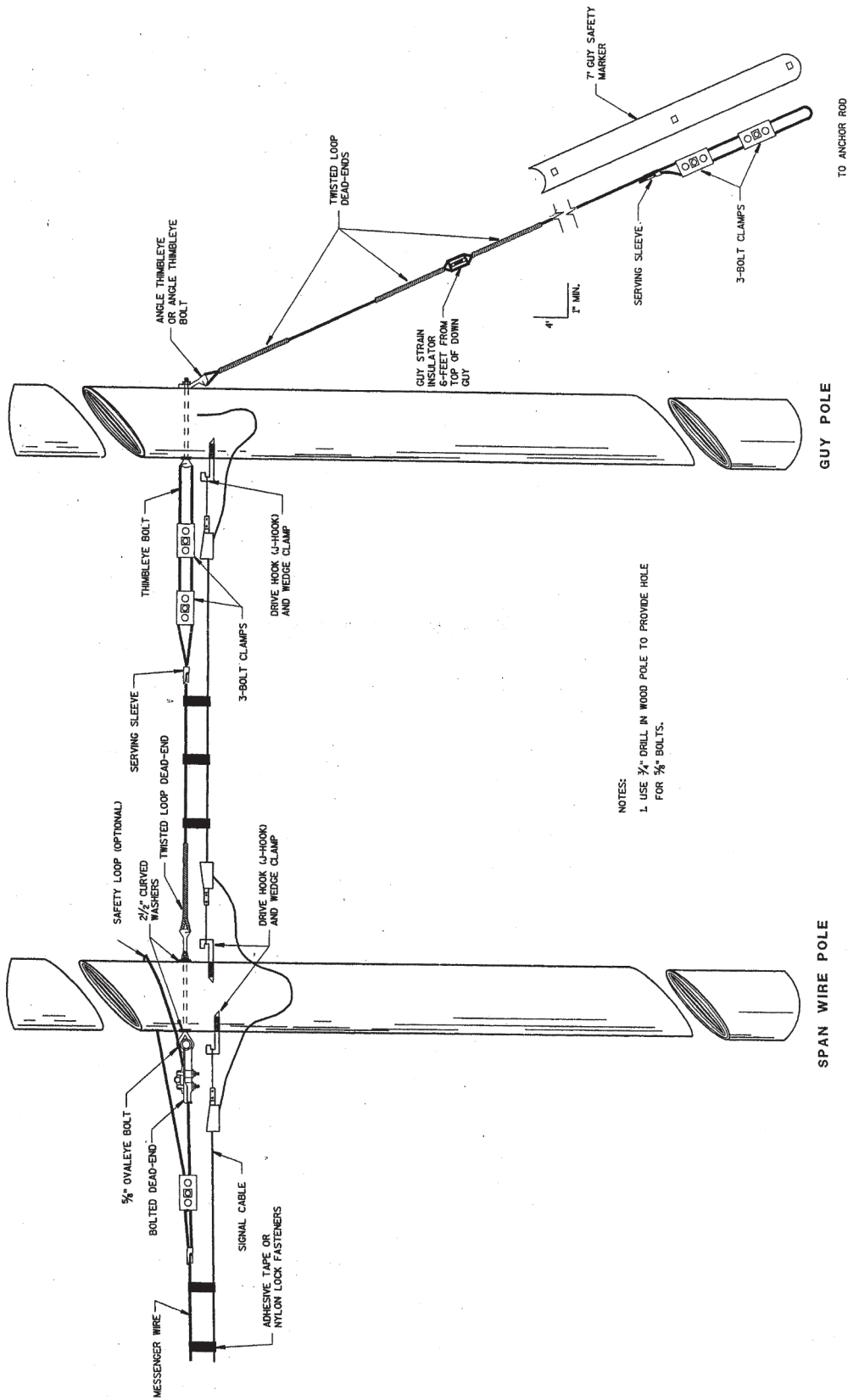


TRAFFIC SIGNAL FACE

DIRECTION OF TRAFFIC

PLAN VIEW
TYPICAL BRIDGE TEMPORARY TRAFFIC SIGNAL LOCATION

MINIMUM POLE LENGTHS	CLASS	MINIMUM BURIAL DEPTHS
25 FEET	I	5 FEET
30 FEET	II	6 FEET
35 FEET	III	7 FEET
40 FEET	IV	8 FEET
45 FEET	V	9 FEET



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE POLE

GUY POLE

DATE 23JUL01

ESTIMATE OF QUANTITIES

SHEET: 3.1

LINE NUMBER ITEM DESCRIPTION UNIT TOTAL QUANTITY 5035-00-60 QUANTITY 5215-00-60 QUANTITY

0010 21302 FINISHING ROADWAY, PROJECT 5215-00-60 LS 1.00 1.00
 0020 21303 FINISHING ROADWAY, PROJECT 5035-00-60 LS 1.00 1.00
 0030 21304 FINISHING ROADWAY, PROJECT 5035-00-61 LS 1.00 1.00
 0040 60305 TEMPORARY PRECAST CONCRETE BARRIER, CONTRACTOR FURNISHED AND DELIVERED L.F. 880.00 320.00 270.00 290.00
 0050 60308 TEMPORARY PRECAST CONCRETE BARRIER, CONTRACTOR FURNISHED, CONTRACTOR INSTALLED L.F. 880.00 320.00 270.00 290.00

0060 61910 MOBILIZATION LS 1.00 0.30 0.30 0.40
 0070 64302 TRAFFIC CONTROL, PROJECT 5035-00-60 LS 1.00 1.00
 0080 64303 TRAFFIC CONTROL, PROJECT 5035-00-61 LS 1.00 1.00
 0090 64304 TRAFFIC CONTROL, PROJECT 5215-00-60 LS 1.00 1.00
 0100 64313 TRAFFIC CONTROL, DRUMS DAYS 270.00 90.00 90.00 90.00

0110 64318 TRAFFIC CONTROL, BARRICADES, TYPE III DAYS 45.00 15.00 15.00 15.00
 0120 64321 TRAFFIC CONTROL, WARNING LIGHTS, TYPE A DAYS 90.00 30.00 30.00 30.00
 0130 64323 TRAFFIC CONTROL, WARNING LIGHTS, TYPE C DAYS 270.00 90.00 90.00 90.00
 0140 64326 TRAFFIC CONTROL, SIGNS DAYS 1,230.00 540.00 345.00 345.00
 0150 64601 PAVEMENT MARKING, 4-INCH, PAINT L.F. 1,500.00 500.00 500.00 500.00

0160 64642 REMOVING PAVEMENT MARKINGS L.F. 1,500.00 500.00 500.00 500.00
 0170 64904 TEMPORARY PAVEMENT MARKING, 4-INCH, REMOVABLE TAPE L.F. 5,110.00 1,730.00 1,680.00 1,700.00
 0180 64914 TEMPORARY PAVEMENT MARKING, STOP LINE, 24-INCH, REMOVABLE TAPE L.F. 72.00 24.00 24.00 24.00
 0190 90004 MISC 90004A BRIDGE TEMPORARY TRAFFIC SIGNALS, PROJECT 5215-00-60 LS 1.00 1.00
 0200 90004 MISC 90004B BRIDGE TEMPORARY TRAFFIC SIGNALS, PROJECT 5035-00-60 LS 1.00 1.00

0210 90004 MISC 90004C BRIDGE TEMPORARY TRAFFIC SIGNALS, PROJECT 5035-00-61 LS 1.00 1.00
 0220 90004 MISC 90004D CELLULAR PHONE LS 1.00 1.00
 0230 90004 MISC 90004E PORTABLE DECONTAMINATION FACILITY STRUCTURE B-22-15 LS 1.00 1.00
 0240 90004 MISC 90004F PORTABLE DECONTAMINATION FACILITY STRUCTURE B-22-827 LS 1.00 1.00
 0250 90555 STRUCTURE REPAINTING, RECYCLED ABRASIVE, STRUCTURE B-22-827 LS 1.00 1.00

0260 90556 STRUCTURE REPAINTING, RECYCLED ABRASIVE, STRUCTURE B-22-22 LS 1.00 1.00
 0270 90557 STRUCTURE REPAINTING, RECYCLED ABRASIVE, STRUCTURE B-22-15 LS 1.00 1.00
 0280 90560 NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS, STRUCTURE B-22-827 LS 1.00 1.00

1st 2nd

ESTIMATE OF QUANTITIES

DATE 23JUL01

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5035-00-60 QUANTITY	5035-00-61 QUANTITY	5215-00-60 QUANTITY
0290	90561	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS, STRUCTURE B-22-22	LS	1.00	1.00		
0300	90562	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS, STRUCTURE B-22-15	LS	1.00		1.00	
0310	90565	PORTABLE DECONTAMINATION FACILITY STRUCTURE B-22-22	LS	1.00	1.00		

WESTBROOK ASSOCIATED
ENGINEERS, INC.
SPRING GREEN, WI 53588



TRAFFIC CONTROL

PROJECT	BRIDGE NO.	DRUMS DAYS	BARRICADES, TYPE III DAYS	WARNING LIGHTS, TYPE A DAYS	WARNING LIGHTS, TYPE C DAYS	SIGNS DAYS
5035-00-60	B-22-22	90	15	30	90	540
5035-00-61	B-22-15	90	15	30	90	345
5215-00-60	B-22-827	90	15	30	90	345
TOTALS		270	45	90	270	1,230

TEMPORARY PRECAST CONCRETE BARRIER

PROJECT	BRIDGE NO.	CONTRACTOR FURNISHED AND DELIVERED (L.F.)	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (L.F.)
5035-00-60	B-22-22	320	320
5035-00-61	B-22-15	270	270
5215-00-60	B-22-827	290	290
TOTALS		880	880

STATE PROJECT NUMBER 5035-00-60
5035-00-61
5215-00-60

SHEET NO.
3A

MISCELLANEOUS QUANTITIES

**TEMPORARY PAVEMENT MARKING,
4-INCH, REMOVABLE TAPE**

PROJECT	BRIDGE NO.	L.F.
5035-00-60	B-22-22	1,730
5035-00-61	B-22-15	1,680
5215-00-60	B-22-827	1,700
TOTAL		5,110

REMOVING PAVEMENT MARKINGS

PROJECT	BRIDGE NO.	CENTERLINE (L.F.)
5035-00-60	B-22-22	500
5035-00-61	B-22-15	500
5215-00-60	B-22-827	500
TOTAL		1,500

**TEMPORARY PAVEMENT MARKING,
STOP LINE, 24-INCH, REMOVABLE TAPE**

PROJECT	BRIDGE NO.	L.F.
5035-00-60	B-22-22	24
5035-00-61	B-22-15	24
5215-00-60	B-22-827	24
TOTAL		72

PAVEMENT MARKING, 4-INCH, PAINT

PROJECT	BRIDGE NO.	YELLOW CENTERLINE (L.F.)
5035-00-60	B-22-22	500
5035-00-61	B-22-15	500
5215-00-60	B-22-827	500
TOTAL		1,500

PORTABLE DECONTAMINATION FACILITY

ALL PROJECTS	(L.S.)
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

PROJECT	BRIDGE NO.	(L.S.)
5035-00-60	B-22-22	1
5035-00-61	B-22-15	1
5215-00-60	B-22-827	1

STRUCTURE REPAINTING, RECYCLED ABRASIVE

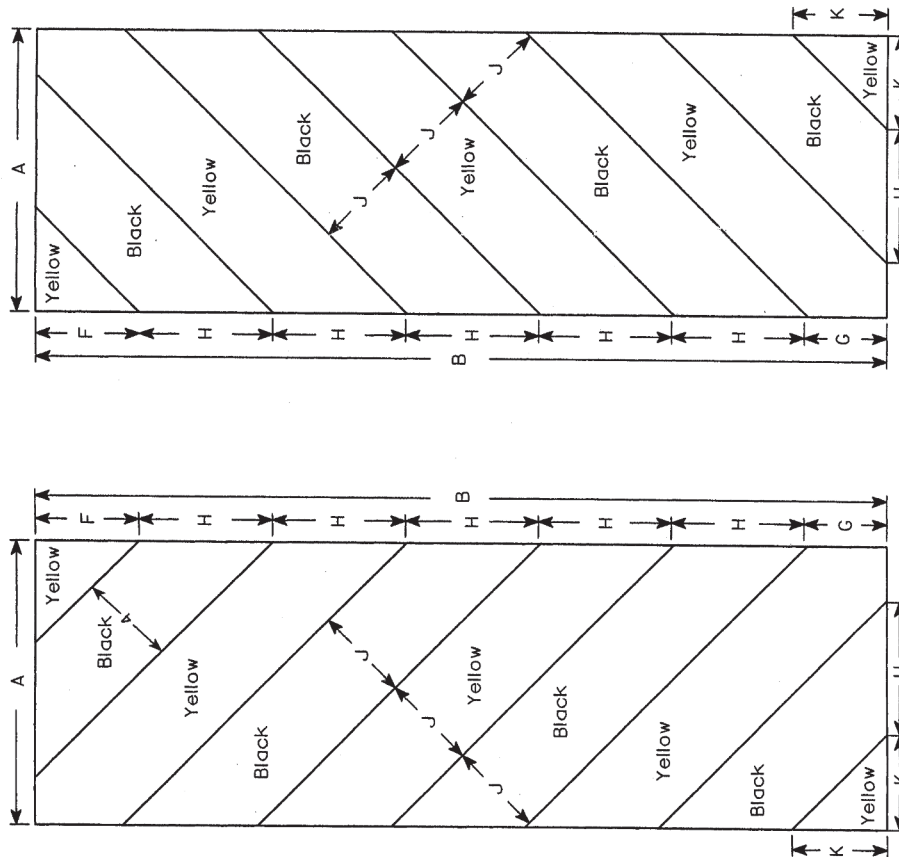
PROJECT	BRIDGE NO.	(L.S.)
5035-00-60	B-22-22	1
5035-00-61	B-22-15	1
5215-00-60	B-22-827	1

**NEGATIVE PRESSURE CONTAINMENT
& COLLECTION OF WASTE MATERIALS**

PROJECT	BRIDGE NO.	(L.S.)
5035-00-60	B-22-22	1
5035-00-61	B-22-15	1
5215-00-60	B-22-827	1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
 Background - Yellow
 Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.



Metric equivalent
 for this sign is:

SIZE	1	2	3	4	5
	300 mm X 900 mm	450 mm X 1350 mm			

W5-52R

W5-52L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area sq. m.
1																												
2	12	36				4 ³ / ₈	3 ¹ / ₂	5 ⁵ / ₈	45°	4	4															3.0	0.27	
3	18	54				6	5 ¹ / ₂	8 ¹ / ₂	45°	6	6 ³ / ₈															6.75	0.61	
4																												
5																												

STANDARD SIGN

W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

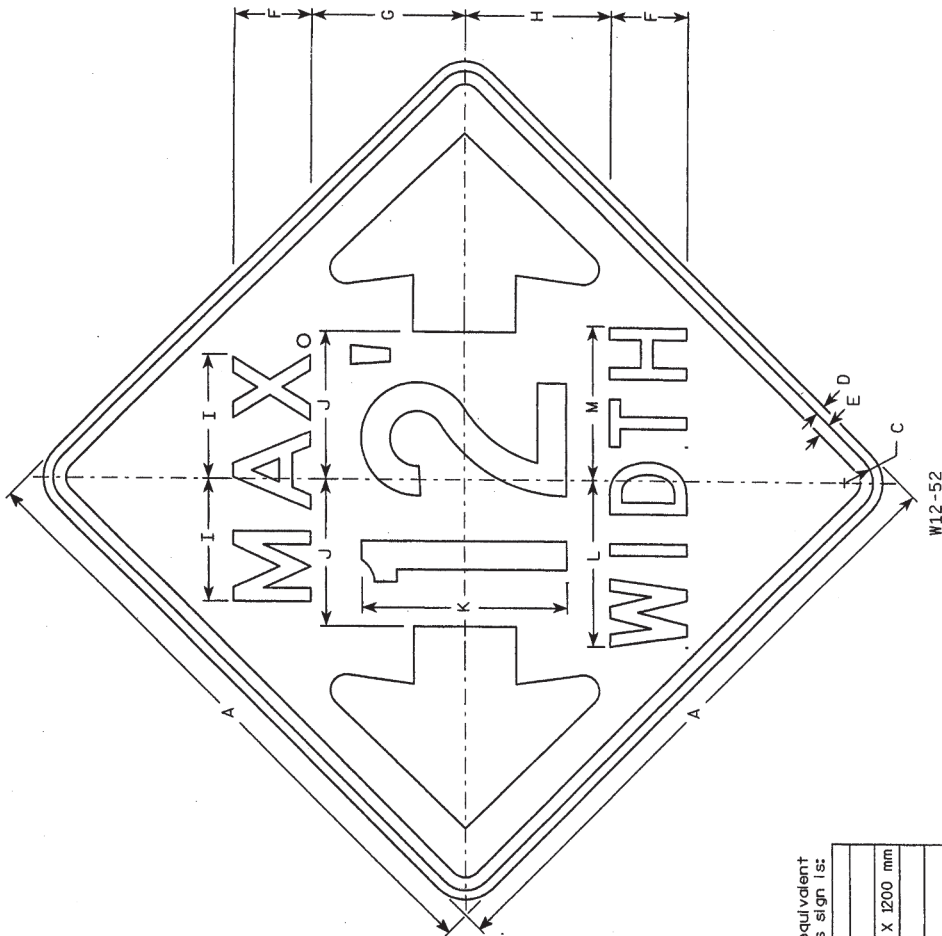
APPROVED

Christa J. Spang
 State Traffic Engineer

DATE 8/13/97 PLATE NO. W5-52.7

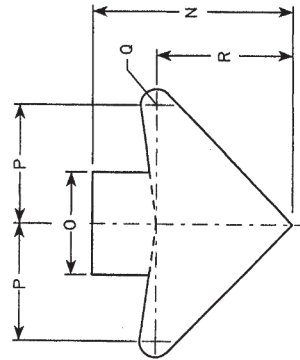
NOTES

1. Sign is Type II - Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - See note 5.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.

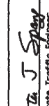


Metric equivalent for this sign is:

SIZE	1	2	3	4	5
		1200 mm X 1200 mm			

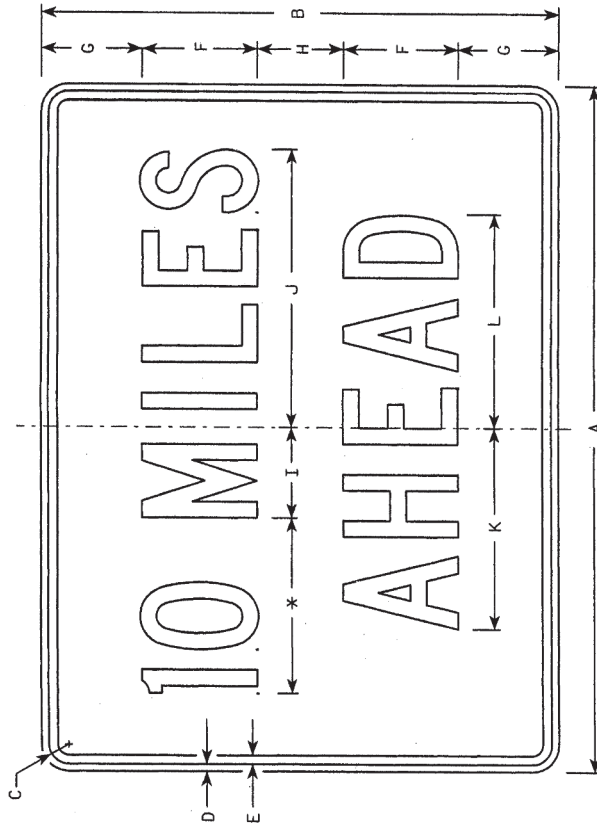


ARROW DETAIL

STANDARD SIGN	
W12-52	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	DATE 10/30/97
 STATE TRAFFIC BOARD PLATE NO. W12-52.5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	FIG. NO.
1																											16.0
2	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									1.44
3																											
4																											
5																											

FILE NAME : C:\Users\Project\sttr_std\p10tes\W1252.DGN	PLOT DATE: 23-JUL-2001 07:30	ORIG DATE: 10/30/97	Originator: Don Kluwer	5035-00-60 & 61, 52.15-00-60	SHEET NO: 7.2	E
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W57-52

Metric equivalent
for this sign is:

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	100 mm	100 mm
1	24	18	1 1/8	3/8	1/2	4	3 1/2	3	3 1/8	9 3/4	7	7 1/2	1 3/8	8 3/4													3.0	0.27
2	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	13													6.0	0.54
3	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	13													6.0	0.54
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0	1.08
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0	1.08

* See note 5

1/2 MILE

NOTES

1. Sign is Type II - Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
Message Series - C
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

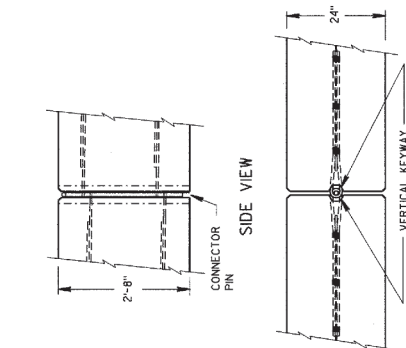
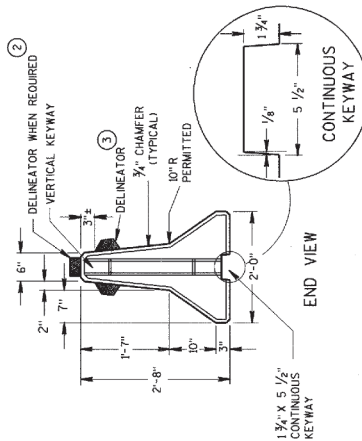
STANDARD SIGN
W57-52
WISCONSIN DEPT. OF TRANSPORTATION
APPROVED
DATE 4/16/97
PLATE NO. W57-52.4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	100 mm	100 mm
1	24	18	1 1/8	3/8	1/2	4	3 1/2	3	3 1/8	9 3/4	7	7 1/2	1 3/8	8 3/4													3.0	0.27
2	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	13													6.0	0.54
3	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	13													6.0	0.54
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0	1.08
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0	1.08

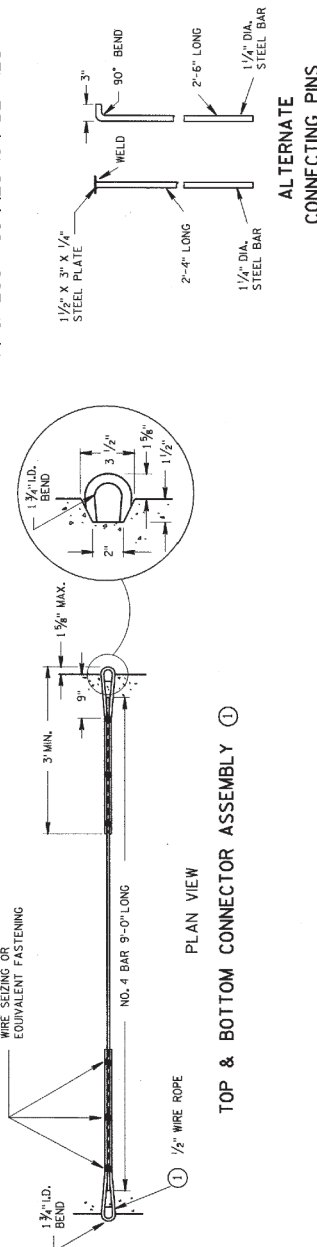
5035-00-60-661, 5215-00-60	SHEET NO: 7.3	E
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DESCRIPTION	SIZE	NO. REQ'D	LENGTH
TOP CONNECTOR WIRE ROPE ①	1/2"	2	6'-0"
BOTTOM CONN. WIRE ROPE ①	1/2"	2	6'-0"
TOP CONNECTOR STEEL BAR	NO. 4	1	9'-0"
BOTTOM CONN. STEEL BAR	NO. 4	1	9'-0"
CONNECTING PIN	1 1/4" DIA.	1	2'-6"
BOTTOM TIE BARS	NO. 4	5	1'-8"
VERTICAL STEEL BAR	NO. 4	10	2'-1"
HORIZONTAL STEEL BAR	NO. 5	4	9'-4"

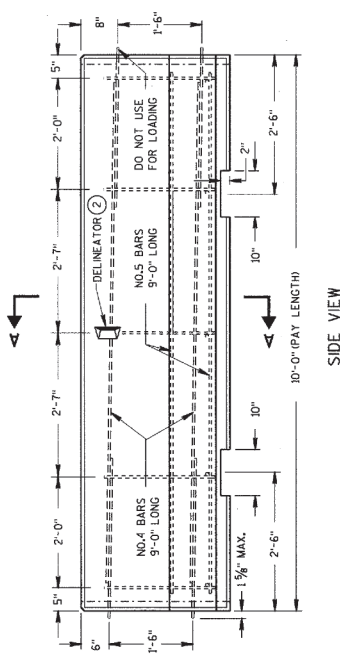
BILL OF MATERIALS



PIN & LOOP CONNECTION DETAILS



TOP & BOTTOM CONNECTOR ASSEMBLY ①



LOCATION OF REINFORCEMENT STEEL

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.

BARRELS SHALL BE REINFORCED WITH EITHER BAR STEEL REINFORCEMENT AS DETAILED IN THIS DRAWING OR WELDED STEEL WIRE FABRIC ADEQUATE TO ASSURE SAFE HANDLING STRENGTH.

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

WIRE ROPE SHALL BE ZINC-COATED 6 X 19 CLASS 2 IMRC WITH A MINIMUM BREAKING STRENGTH OF 20,000 LBS. AND SHALL CONFORM TO FEDERAL SPECIFICATION RR-W-410. THE ZINC-COATING SHALL CONFORM TO TABLE II OF THE FEDERAL SPECIFICATIONS.

DELINATORS SHALL CONFORM TO SECTION 633 OF THE STANDARD SPECIFICATIONS EXCEPT THE SHAPE SHALL BE AS SHOWN ON THIS DRAWING. ALTERNATIVE SHAPES MAY BE USED WHEN APPROVED BY THE ENGINEER. CONCRETE SURFACE PREPARATION, ADHESIVE AND METHOD OF APPLICATION SHALL BE AS RECOMMENDED BY THE DELINATOR MANUFACTURER. THE COLOR OF REFLECTORS SHALL BE YELLOW WHEN LOCATED TO THE LEFT OF TRAFFIC AND WHITE WHEN LOCATED TO THE RIGHT OF TRAFFIC. MAXIMUM SPACING SHALL BE 20 FEET.

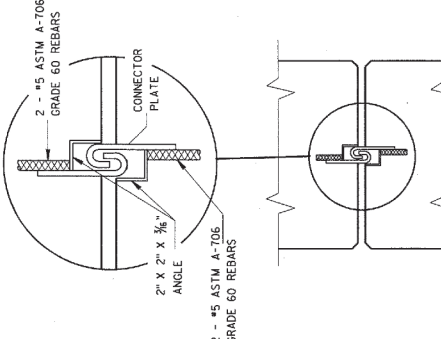
① CONNECTOR ASSEMBLIES MAY, AT THE CONTRACTOR'S OPTION, BE FORMED FROM A CONTINUOUS SECTION OF 1/2 INCH WIRE ROPE (16-6" MIN. LENGTH), THE NO. 4 CONNECTOR STEEL BARS MAY THEN BE OMITTED.

② TOP MOUNTED DELINATORS SHALL BE PROVIDED IN ADDITION TO THE SIDE MOUNTED DELINATORS ON ALL BARRIER INSTALLATIONS LOCATED ON CURVED ALIGNMENT LONGER THAN 200 FEET.

③ BARRELS USED TO SEPARATE OPPOSING TRAFFIC SHALL HAVE DELINATORS ON BOTH SIDES. TOP MOUNTED DELINATORS SHALL BE DOUBLE FACED FOR THIS CONDITION.

ALTERNATE DESIGN

J-J HOOKS PORTABLE CONCRETE BARRIER BY EASI-SET INDUSTRIES MAY BE FURNISHED INSTEAD OF THE BARRIER DETAILED ON THIS DRAWING. CONTACT INFORMATION: EASI-SET INDUSTRIES, P.O. BOX 300, MIDLAND, VIRGINIA 22726, TELEPHONE (703) 439-8911.



② J-J HOOK CONNECTOR (ALTERNATIVE TO PIN & LOOP CONNECTOR)

TEMPORARY PRECAST
CONCRETE BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

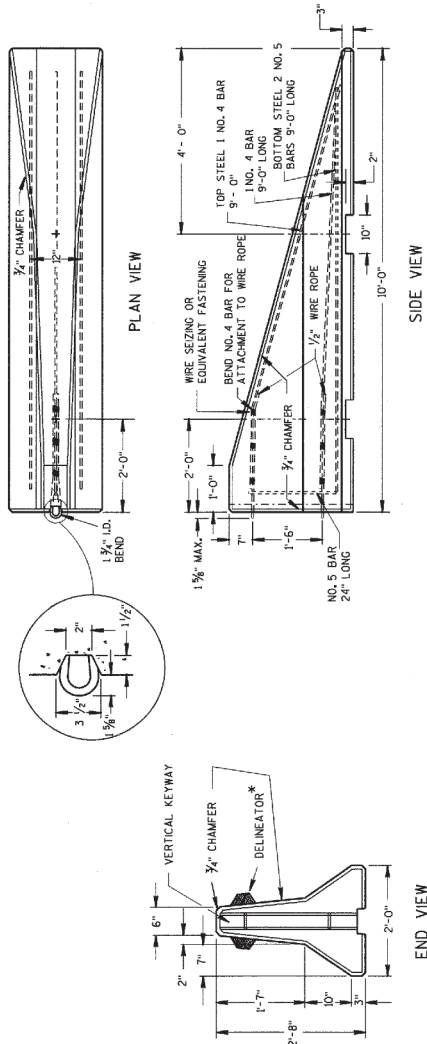
GENERAL NOTES

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.

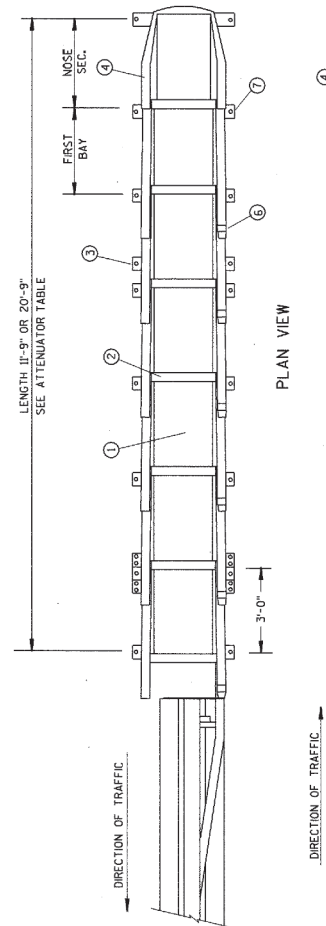
THE PORTABLE CRASH CUSHION SHALL BE THE G-R-E-A-T CZ IMPACT ATTENUATOR MANUFACTURED BY ENERGY ABSORPTION SYSTEMS, INC. ONE EAST WACKER DRIVE, CHICAGO, IL, 60601.

THE CRASH CUSHION SHALL BE MANUFACTURED, ASSEMBLED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS DETAILD ELSEWHERE IN THE PLANS OR AS SHOWN ON THE APPROVED SHOP DRAWINGS. THE CRASH CUSHION PLATFORM SHALL BE ANCHORED TO EITHER 6 INCH MINIMUM CONCRETE PAVEMENT OR 3 INCH MINIMUM ASPHALTIC SURFACES THAT HAVE A PREPARED COMPACTED SUBBASE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

* WHEN BARRIERS ARE USED TO SEPARATE OPPOSING TRAFFIC, DELINEATORS ARE REQUIRED ON BOTH SIDES.



END SECTION FOR TEMPORARY PRECAST CONCRETE BARRIER

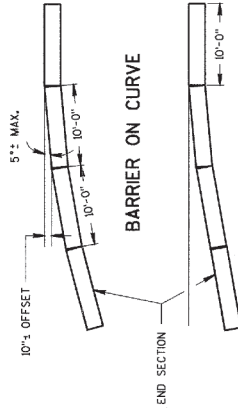


CONSTRUCTION ZONE PORTABLE CRASH CUSHION

ATTENUATOR TABLE

ATTENUATOR LENGTH	NO. OF BAYS	DESIGN SPEED MPH
11' - 9"	3	40 OR LESS
20' - 9"	6	40 TO 55

- 1 HEX-FOAM CARTRIDGE
- 2 DIAPHRAGM
- 3 THREE BEAM FENDER PANEL
- 4 NOSE COVER
- 5 STABILIZING CHAIN
- 6 DEFLECTOR PANEL
- 7 ANCHORAGE DEVICE (WHERE ONE-WAY TRAFFIC EXISTS)



FLARE AT BARRIER END

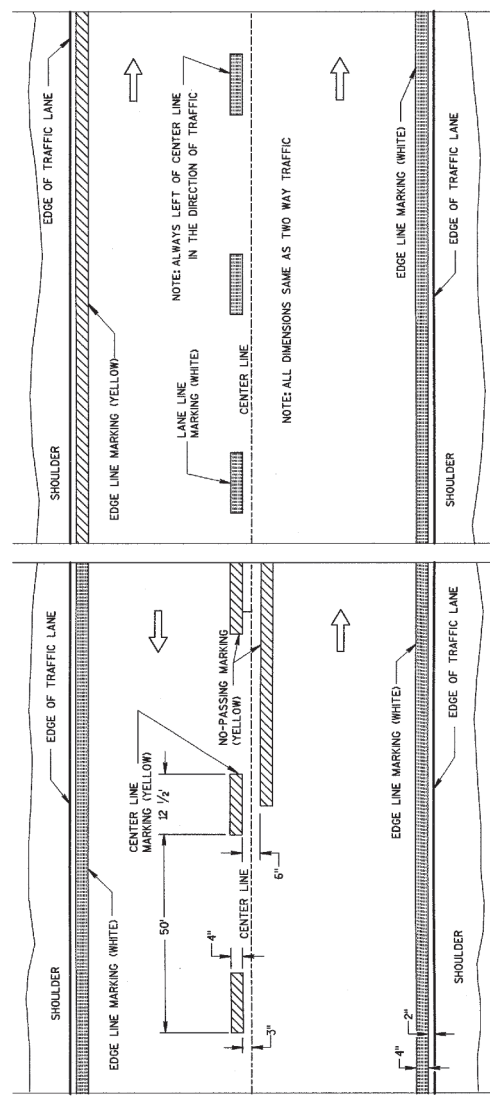
OPERATING SPEED, MPH	FLARE RATE
40 OR LESS	10 : 1
50 OR MORE	15 : 1

TEMPORARY PRECAST CONCRETE BARRIER END SECTION AND PORTABLE CRASH CUSHION

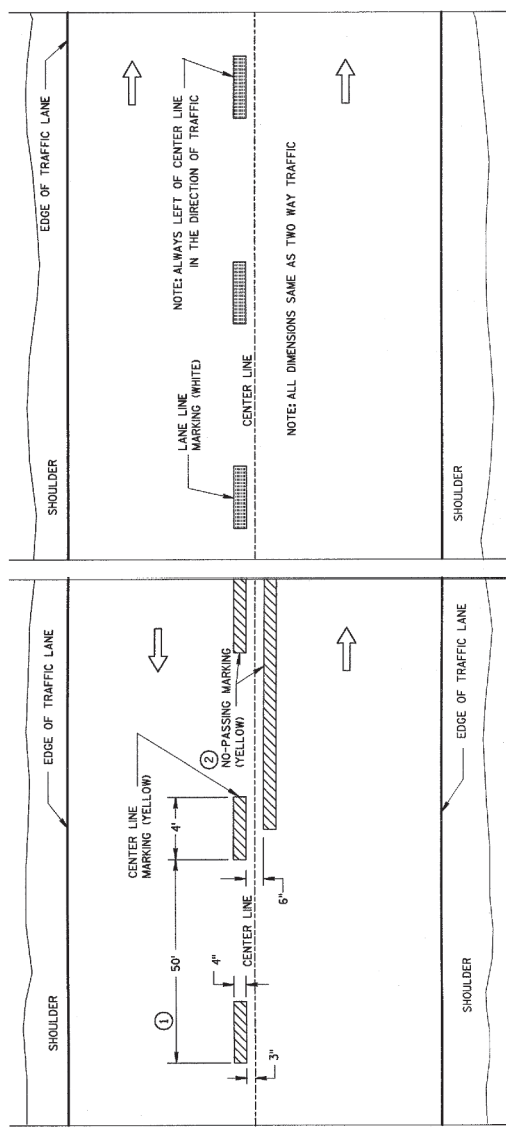
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/21/80
DATE
Ray J. Harrison
CHIEF ROADWAY DEVELOPMENT ENGINEER
P.W.A.

S.D.D. 14 B 7-9b



PERMANENT PAVEMENT MARKING



TEMPORARY (INTERMEDIATE) PAVEMENT MARKING
(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

GENERAL NOTES

- DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- ① HALF CYCLE LENGTHS (25'±) WITH 2" MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
- ② NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

PAVEMENT MARKING (MAINLINE)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED DATE 2-17-90 CHIEF SIGNS AND MARKING ENGINEER PWA