

EAU SEPTEMBER 2013

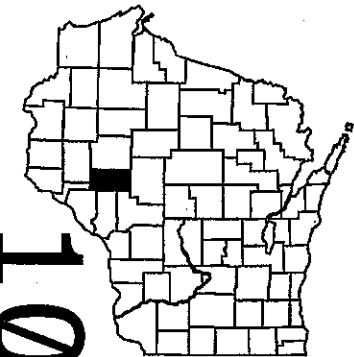
PROJECT ID: 1022-09-80
WITH: N/A

COUNTY: EAU CLAIRE

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 = 70



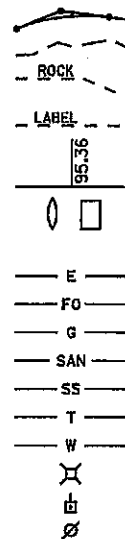
DESIGN DESIGNATION

- A.A.D.T. = 24,800 (2014)
A.A.D.T. = 29,500 (2034)
D.H.V. = 2,980
D.D. = 58/42
T. = 25.3% OF A.A.D.T.
DESIGN SPEED = 70 MPH
ESALS = 26,000,000

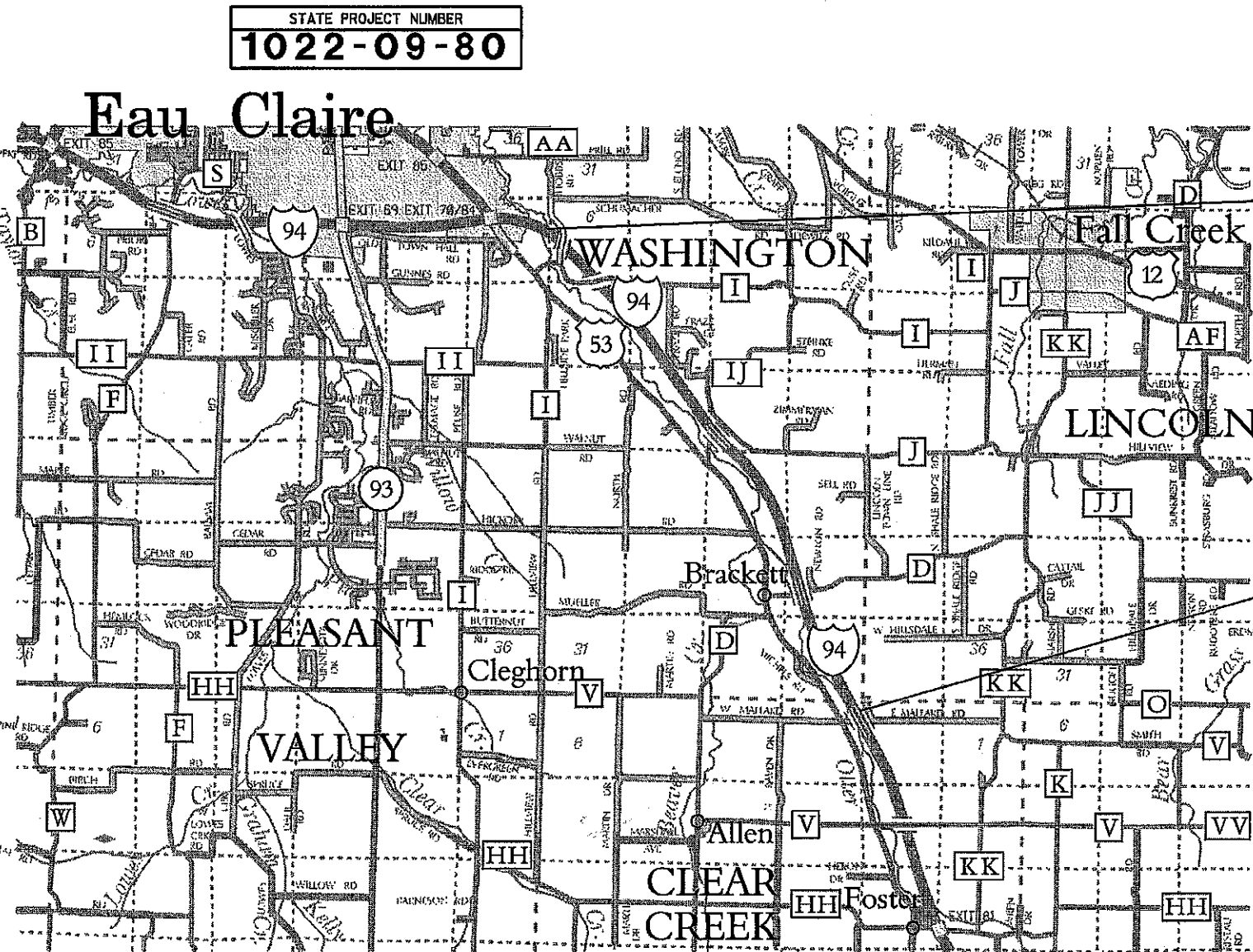
CONVENTIONAL SYMBOLS

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

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



T-26-N



LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 7.230 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), EAU CLAIRE COUNTY.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
EAU CLAIRE - OSSEO
(USH 53 TO MALLARD ROAD)
IH 94
EAU CLAIRE COUNTY

STATE PROJECT NUMBER
1022-09-80

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1022-09-80	WISC 2013425	1

AS BUILT

BEGIN PROJECT 1022-09-80
STA. 604'E'+00

END PROJECT 1022-09-80
STA. 985'E'+75

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	NW REGION, EAU CLAIRE
Designer	K. KOPACZ
Project Manager	S. RUSCH
Regional Examiner	D. OJIBWAY
Regional Supervisor	R. SHERMO
C.O. Examiner	

APPROVED FOR THE DEPARTMENT
DATE 4/23/13 *Rob [Signature]*
(Stamp/Gre)

E

UTILITIES CONTACTS

AT&T LEGACY
MR. BILL KOENIG
P.O. BOX 244
LAKE MILLS, WI 53551
PHONE: 608-628-0575

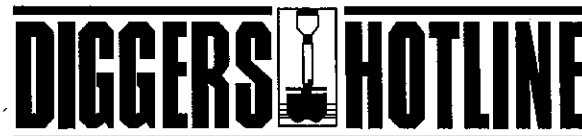
CENTURYLINK
MS. DONNA SMOTHERS
835 RED IRON RD.
BLACK RIVER FALLS, WI 54615
PHONE: 715-284-4375

DAIRYLAND POWER COOPERATIVE
MR. KURT CHILDS
3200 EAST AVE. SOUTH
P.O. BOX 817
LACROSSE, WI 54602-0817
PHONE: 608-787-1367

EAU CLAIRE ELECTRIC COOPERATIVE
MR. RICHARD RASMUSSEN
8214 HWY. 12
P.O. BOX 368
FALL CREEK, WI 54742-0368
PHONE: 715-832-1603

WINDSTREAM KDL, INC.
MR. JIM KOSTUCH
13935 BISHOPS DR.
BROOKFIELD, WI 53005
PHONE: 262-792-7938

XCEL ENERGY (TRANS.)
MS. PAM TAYLOR
1414 W. HAMILTON AVE.
P.O. BOX 8
EAU CLAIRE, WI 54702-0008
PHONE: 715-839-1306



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Hearing Impaired TDD (800) 542-2289
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GENERAL NOTES

THE EXACT LOCATIONS OF BUTT JOINTS AND CONCRETE PAVEMENT REPAIR NON DOWELED SPECIAL ARE TO BE DETERMINED BY THE ENGINEER.

BEAM GUARD RAIL HEIGHT AT LEAST 27 $\frac{3}{4}$ INCHES AND LESS THAN 29 INCHES IN THE FINAL CONDITION DOES NOT REQUIRE ADJUSTMENT.

THE EXACT LOCATIONS OF BEAM GUARD ADJUSTMENTS AND REPLACEMENTS ARE TO BE DETERMINED BY THE ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

WITH PRIOR APPROVAL OF THE ENGINEER, REMOVE/CLEAR TREES 3 INCHES OR GREATER IN DIAMETER THAT ARE WITHIN 30 FEET OF THE EDGE OF THE TRAVELED WAY.

THE LOCATIONS OF EXISTING & PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE COUNTY SURVEYOR CONCERNING MONUMENT AND PROPERTY CORNER PRESERVATION.

TYPICAL FINISHED SECTIONS SHOW THE GENERAL ROADWAY FEATURES THROUGHOUT THE PROJECT. SLOPES AND DISTANCES MAY VARY WITHIN THE STATION LIMITS.

WHEN THE QUANTITY OF THE ITEM OF HMA PAVEMENT IS MEASURED BY THE TON, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

LOCATIONS FOR PERMANENT SIGNS SHOWN ON THE PLAN ARE APPROXIMATE. ACTUAL LOCATIONS OF PERMANENT SIGNS ARE TO BE COORDINATED IN THE FIELD BY THE ENGINEER.

PAVEMENT MARKING PAINT FOR LANE LINES ARE INTENDED TO BE INTERIM LANE LINE MARKINGS UNTIL GROOVES CAN BE CUT IN THE NEW ASPHALT SURFACE FOR WET REFLECTIVE TAPE APPLICATION. CUT THE GROOVES FOR WET REFLECTIVE TAPE APPLICATION AT THE SAME LOCATION WHERE THE PAVEMENT MARKING PAINT WAS APPLIED AS LANE LINES.

THE 4 $\frac{1}{2}$ " HMA PAVEMENT SHALL BE PLACED WITH A 2 $\frac{1}{2}$ " 19.0 mm TYPE E-10 LOWER LAYER AND A 2" TYPE SMA-SPECIAL UPPER LAYER.

MAINTENANCE AND REPAIR OF TEMPORAY WEDGE JOINT WILL BE INCIDENTAL TO THE APPROPRIATE HMA PAVEMENT BID ITEM.

TRAFFIC CONTROL NEEDED DURING MAINTENACE AND REPAIRS TEMPORAY WEDGE JOINT WILL BE INCIDENTAL TO THE TRAFFIC CONTROL PROJECT BID ITEM.

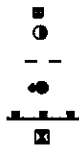
FTMS STANDARD ABBREVIATIONS

PB _____PULL BOX
MD _____MICROWAVE DETECTOR
S-F _____STATE-FURNISHED
DMS _____DYNAMIC MESSAGE SIGN
MB _____METER BREAKER
S-F _____STATE FURNISHED

LEGEND

METER BREAKER PEDESTAL - - - - -
24"X36" STEEL PULL BOX - - - - -
ITS CONDUIT- - - - -
MICROWAVE DETECTOR AND POLE - - - - -
GROUND MOUNT SIGN - - - - -
POLE-MOUNTED CABINET- - - - -

PROPOSED



FTMS GENERAL NOTES

THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND TECHNICAL SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF WORK SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE APPLICATION OF ALL WORK SHOWN IN THE PLANS TO THE ACTUAL PHYSICAL FIELD CONDITIONS TO PROVIDE A COMPLETE AND ACCEPTED PROJECT. IN THE EVENT THAT ACTUAL PHYSICAL FIELD CONDITIONS AFFECT OR PREVENT THE APPLICATION OR PROGRESSION OF ANY WORK SHOWN IN THE PLANS OR TECHNICAL SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, AND PRIOR TO ANY FURTHER WORK ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY LOCATION CHANGES OTHER THAN MINOR ADJUSTMENTS.

BE AWARE THAT ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.

BE AWARE THAT NO TEST BORINGS WERE MADE WHERE CONDUITS, PULLBOXES, POLES, CABINET FOUNDATIONS, OR OTHER EQUIPMENT IS TO BE INSTALLED. THE CONTRACTOR IS FULLY RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.

NO TREES (AND/OR SHRUBS) ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

AREAS WITHIN THE RIGHT-OF-WAY DISTURBED SPECIFICALLY FOR FTMS CONSTRUCTION ARE TO BE RESTORED TO THE ORIGINAL CONDITION WITH TOPSOIL, FERTILIZER AND SEED, AND MULCH. RESTORATION FOR AREAS DISTURBED FOR OTHER CONSTRUCTION OPERATIONS BUT ALSO CONTAINING FTMS CONSTRUCTION WILL BE DONE ACCORDING TO REQUIREMENTS AND PAYMENT PROVISIONS FOR THE OTHER CONSTRUCTION OPERATIONS. NO PAYMENT WILL BE MADE FOR RESTORING AREAS DISTURBED FOR FTMS CONSTRUCTION OPERATIONS.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

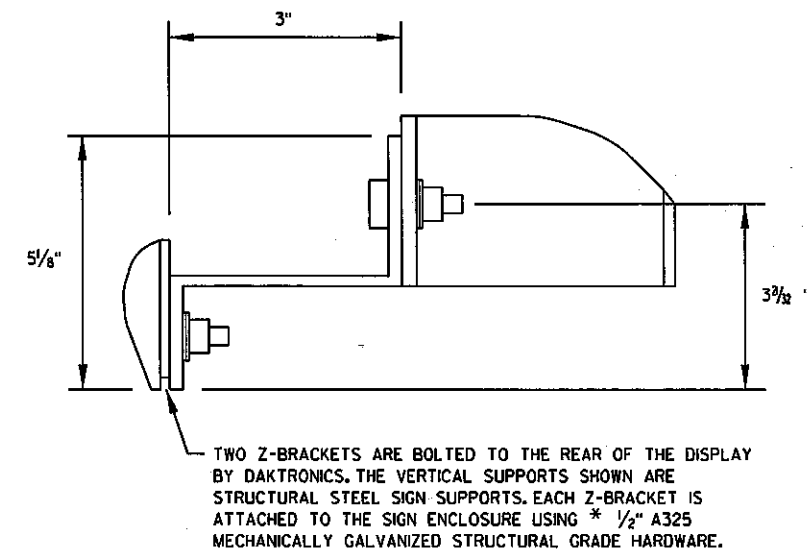
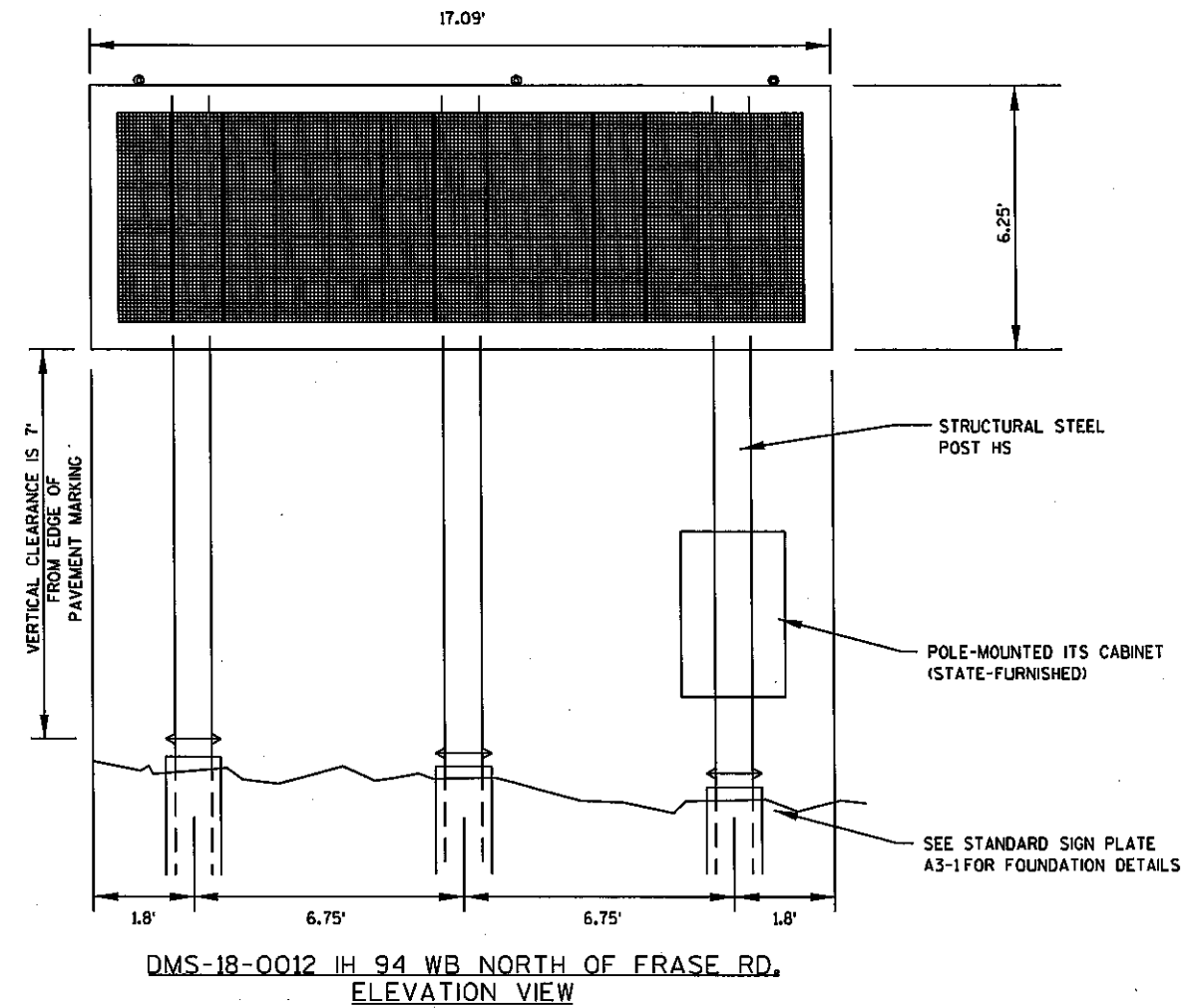
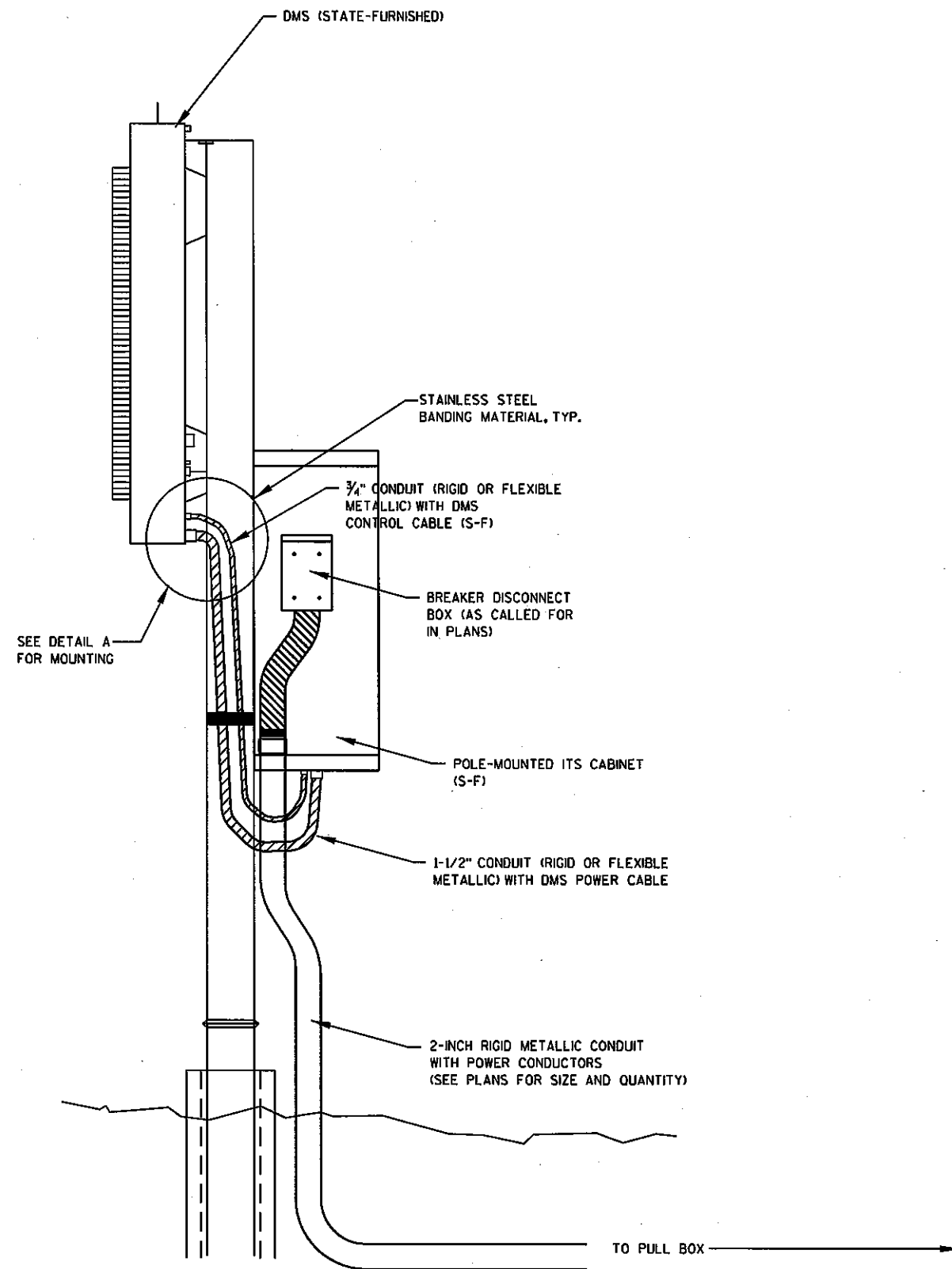
BE ADVISED THAT DUE TO RAMP, LANE, AND SHOULDER CLOSURE RESTRICTIONS, AND WORK UNDER OTHER CONTRACTS, SOME WORK MAY BE REQUIRED TO BE PERFORMED AT NIGHT.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTS IN THE AREA.

CONTACT THE WISDOT STATEWIDE TRAFFIC OPERATIONS CENTER AT (414) 227-2166 FIVE (5) WORKING DAYS PRIOR TO ENTERING ANY EXISTING WISDOT FTMS OR ITS CABINET.

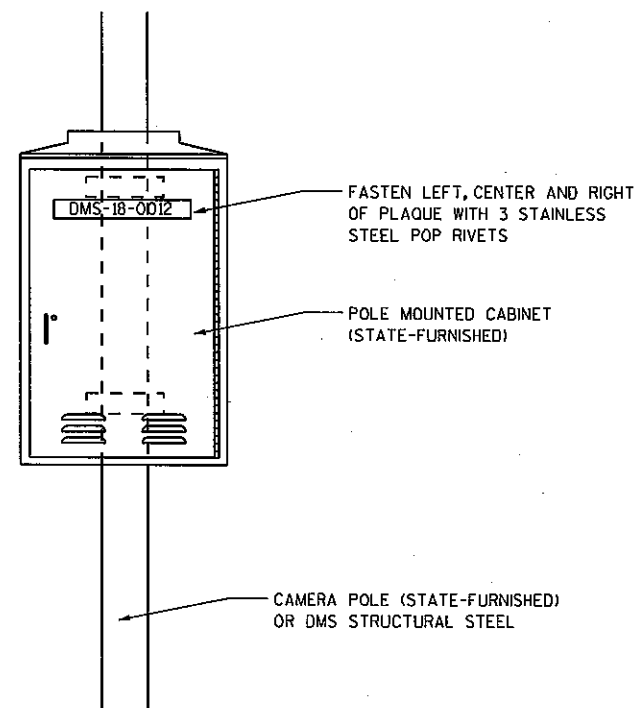
HAND DIG TRENCHES CROSSING EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE.

VISUALLY VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE OR SPECIAL METHOD.

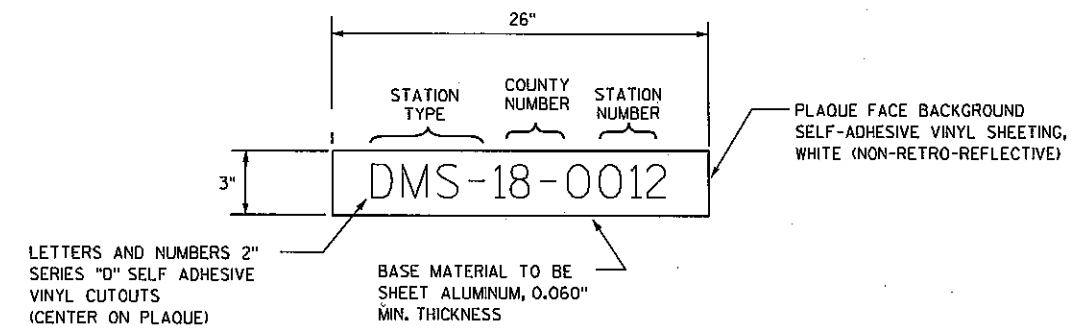


Z-BRACKETS ARE
3" X 2 5/8" X 1/4"
WEB X FLANGE X THICKNESS
ALUMINUM 6061-T6-ALLOY

DETAIL A



CONTROL CABINET IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS
(TYPICAL ALL CONTROL CABINETS)



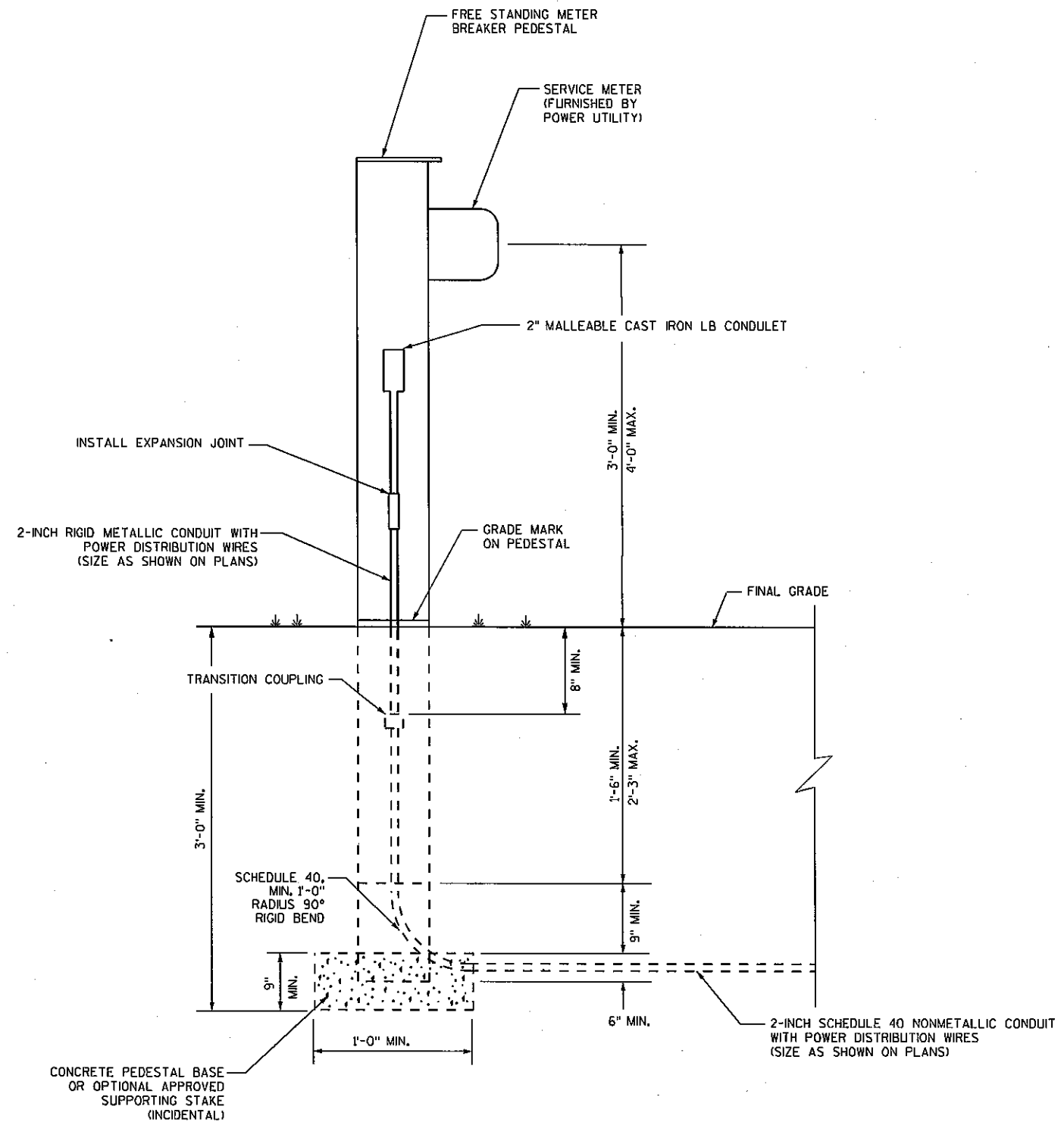
CONTROL CABINET IDENTIFICATION PLAQUE DETAIL

LEGEND STATION TYPE

RM - RAMP METER
CCTV - CLOSED CIRCUIT TELEVISION
ATR - AUTOMATIC TRAFFIC RECORDER
SDS - SYSTEM DETECTOR STATION
MD - MICROWAVE DETECTOR

NOTES

- 1) TWO PLAQUES PER CABINET REQUIRED ON CONTROL CABINET.
- 2) FASTEN ONE PLAQUE ON FRONT DOOR, UPPER HALF.
- 3) FASTEN ONE PLAQUE ON SIDE FACING LOCAL STREET, IF NO LOCAL STREET NEARBY, OR IF SUCH LOCATION COINCIDES WITH LOCATION OF PLAQUE IN NOTE 2, FASTEN PLAQUE ON REAR OF CABINET, UPPER HALF.
- 4) COUNTY NUMBER NOT REQUIRED ON RAMP METER CABINETS.



ELECTRICAL SERVICE METER BREAKER PEDESTAL

NOTES

- 1) MINIMUM REQUIREMENT SHOWN. ADDITIONAL BREAKERS MAY BE REQUIRED.

2

2

⊕157
DMS-18-0012
INSTALL ON HIGH STRENGTH STRUCTURAL STEEL POSTS
(1) GROUND MOUNT DMS (S-F)
(1) POLE-MOUNTED CABINET (S-F)
(1) DMS CONTROLLER (S-F)
(1) CELLULAR MODEM (S-F)
(1) BREAKER DISCONNECT BOX
923.27

⊕ PBFR10
(1) 2-INCH METALLIC CONDUIT
WITH (3) NO. 6 AWG LIGHTING
WIRES AND (1) NO. 10 AWG LIGHTING
WIRE

(1) 2-INCH NONMETALLIC CONDUIT
WITH (3) NO. 6 AWG LIGHTING
WIRES AND (1) NO. 10 LIGHTING
WIRE

PBFR05

MBFR05

IH 94 WB

IH 94 EB

FRASE RD.

AZ
920.11

SIGN

EDGE OF TRAVELED WAY

30'

⊕156

98
924.45

N

3

3

ADJUSTING STEEL PLATE BEAM GUARD

STATION TO	STATION	LOCATION	614.0400 LF	REMARKS
647'E'+50	- 654'E'+75	IH 94 EB, RT.	725	
735'E'+50	- 739'E'+75	IH 94 EB, RT.	425	
750'E'+65	- 756'E'+52.5	IH 94 EB, RT.	587.5	
769'E'+10	- 775'E'+72.5	IH 94 EB, RT.	662.5	
773'E'+10	- 775'E'+72.5	IH 94 EB, LT.	262.5	
777'E'+30	- 784'E'+17.5	IH 94 EB, RT.	687.5	
777'E'+30	- 778'E'+05	IH 94 EB, LT.	75	
807'E'+90	- 814'E'+65	IH 94 EB, RT.	675	
819'E'+50	- 828'E'+62.5	IH 94 EB, RT.	912.5	
862'E'+90	- 864'E'+52.5	IH 94 EB, RT.	162.5	
869'E'+95	- 877'E'+20	IH 94 EB, RT.	725	
892'E'+05	- 895'E'+80	IH 94 EB, RT.	375	
600'W'+87.5	- 604'W'+75	IH 94 WB, LT.	387.5	
614'W'+55	- 618'W'+05	IH 94 WB, LT.	350	
648'W'+65	- 656'W'+65	IH 94 WB, LT.	800	
736'W'+50	- 741'W'+00	IH 94 WB, LT.	450	
774'W'+80	- 776'W'+30	IH 94 WB, LT.	150	
775'W'+55	- 776'W'+30	IH 94 WB, RT.	75	
777'W'+92.5	- 781'W'+80	IH 94 WB, RT.	387.5	
821'W'+75	- 826'W'+00	IH 94 WB, LT.	425	
829'W'+40	- 833'W'+40	IH 94 WB, LT.	400	
875'W'+52.5	- 880'W'+65	IH 94 WB, LT.	512.5	
898'W'+05	- 901'W'+05	IH 94 WB, LT.	300	
TOTAL 0010			10512.5	

TRAFFIC CONTROL

LOCATION	DRUMS	BARRICADES	WARNING	ARROW	SIGNS	SIGNS PCMS	PORTABLE CHANGEABLE MESSAGE SIGN CELLULAR COMMUNICATIONS	REMARKS
	643.0300 DAYS	TYPE III 643.0420 DAYS	TYPE C 643.0715 DAYS	BOARDS 643.0800 DAYS	643.0900 DAYS	643.1050 DAYS	SPV.0045.01 DAYS	
PROJECT	18774	724	739	84	840	180	180	
TOTAL 0010	18774	724	739	84	840	180	180	

RESTORATION ITEMS

STATION TO	STATION	LOCATION	MULCHING	FERTILIZER	SEEDING	SEEDING	REMARKS
				TYPE B	MIXTURE	TEMPORARY	
			627.0200	629.0210	NO. 20	630.0200	
			SY	CWT	LB	LB	
		PROJECT	4500	3	122	122	AS NEEDED AFTER CLEARING
		TOTAL 0010	4500	3	122	122	

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

DMS SIGNING ITEMS

							INFO ONLY - POST LENGTHS TO BE VERIFIED BY CONTRACTOR				
CAT.	ITEM I.D.	LOCATION	635.0200	636.0100	636.0500	SPV.0060.01	POST	POST	POST	SIGN	
			SIGN SUPPORTS STEEL STRUCTURAL STEEL HS LB	SIGN SUPPORTS CONCRETE MASONRY CY	SIGN SUPPORTS STEEL REINFORCEMENT LB	INSTALL GROUND MOUNT DMS EACH	NO. 1 LENGTH FT	NO. 2 LENGTH FT	NO. 3 LENGTH FT	OFFSET DISTANCE FT	
0020	DMS-18-0012	IH-94 WB @ FRASE RD.	C	1430	2.7	150	1	16.00	15.50	15.00	30
			TOTAL	1430	2.7	150	1				

ITS CONDUIT

CAT.	FROM	TO	LINEAR DISTANCE	652.0125 CONDUIT RIGID METALLIC 2-INCH	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH
				LF	LF
0020	MBFR05	PBFR05	10	-	10
0020	PBFR05	PBFR10	280	-	280
0020	PBFR10	DMS-18-0012	10	15	-
TOTAL				15	290

ITS PULLBOXES

			653.0135 PULL BOXES STEEL 24 x 36 EACH
CAT.	ITEM ID	LOCATION	
0020	PBFR05	IH-94 WB @ FRASE RD.	1
0020	PBFR10	IH-94 WB @ FRASE RD.	1
TOTAL			2

ITS POWER

CAT.	ITEM I.D.	LOCATION	MB I.D.	NUMBER OF WIRES	WIRE LINEAR DISTANCE FROM CABINET TO METER BREAKER	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG	656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (IH-94 WB @ FRASE RD.)	656.0500.01 ELECTRICAL SERVICE BREAKER DISCONNECT BOX (IH-94 WB @ FRASE RD.)
						LF	LF	LS	LS
0020	DMS-18-0012	IH-94 WB @ FRASE RD.	MBFR05	3	300	325	975	1	1
TOTAL						325	975	1	1

ITS CABINETS

CAT.	ITEM I.D.	LOCATION	659.0802 PLAQUES SEQUENCE IDENTIFICATION	673.0225.S INSTALL POLE MOUNTED CABINET
			EACH	EACH
0020	DMS-18-0012	IH 94-WB @ FRASE RD.	1	1
TOTAL			1	1

ALL ITEMS ON THIS SHEET ARE CATEGORY 0020