

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY REHABILITATION-MAINTENANCE PROJECT

TOMAH - PORTAGE
CAMP DOUGLAS TO STH 33
IH 90
JUNEAU,SAUK,COLUMBIA
COUNTIES

STATE PROJECT NUMBER
1016-00-62

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1016-00-62		

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 = 64



21

DESIGN DESIGNATION

A.A.D.T. (2016)	=	39,000
A.A.D.T. (2036)	=	48,500
D.H.V.	=	N/A
D.D.	=	50/50
T.	=	32.5%
DESIGN SPEED	=	70 MPH
ESALS	=	36,302,900

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	
MARSH 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	

BEGIN PROJECT
MILE MARKER 55.46
Y=369081.17
X=528451.71



END PROJECT
MILE MARKER 105.15

LAYOUT
SCALE 0 4 MI.
TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.

-"COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), JUNEAU COUNTY."

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	WISDOT
Designer	MATTHEW PALKOWSKI
Project Manager	ROB WINTERTON
Regional Examiner	TRAVIS GIESE
Regional Supervisor	JIM SAVOLDELLI
C.O. Examiner	
APPROVED FOR THE DEPARTMENT	
DATE: 7-29-2016	(Signature)

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- GENERAL NOTES
- THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS 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.
 - THE CONTRACTOR IS TO WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER.
 - NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER
 - ALL WASTE MATERIAL RESULTING FROM THE VARIOUS CONSTRUCTION OPERATIONS ADJACENT TO PAVEMENT UNDER TRAFFIC SHALL BE ENTIRELY REMOVED AND PROPERLY DISPOSED OF IMMEDIATELY OR AS DIRECTED BY THE ENGINEER. THIS INCLUDES BUT NOT LIMITED TO SWEEPING TRAFFIC LANES PRIOR TO OPENING TO TRAFFIC.
 - CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.
 - THE QUANTITY OF THE ITEMS FOR EROSION PROTECTION INCLUDES AN UNDISTRIBUTED AMOUNT FOR PROTECTION, CONTROL AND ABATEMENT OF WATER POLLUTION RESULTING FROM SOIL EROSION. THE DISTRIBUTION AND LOCATION OF THESE MATERIALS ARE TO BE DETERMINED BY THE ENGINEER.
 - DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE FERTILIZED, SEEDED, AND MULCHED AS DIRECTED BY THE ENGINEER.

DNR LIAISON

MARC HERSHFIELD
ENVIRONMENTAL ANALYSIS & REVIEW SPECIALIST
WISCONSIN DEPT. OF NATURAL RESOURCES
WEST CENTRAL REGION
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WISCONSIN RAPIDS, WI 54494
715-421-7867

DESIGN CONTACTS

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Matt Palkowski
PROJECT DESIGNER
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3550 Mormon Coulee Road
La Crosse, WI 54601
608-785-9071
Cell: 608-792-2881

STANDARD ABBREVIATIONS

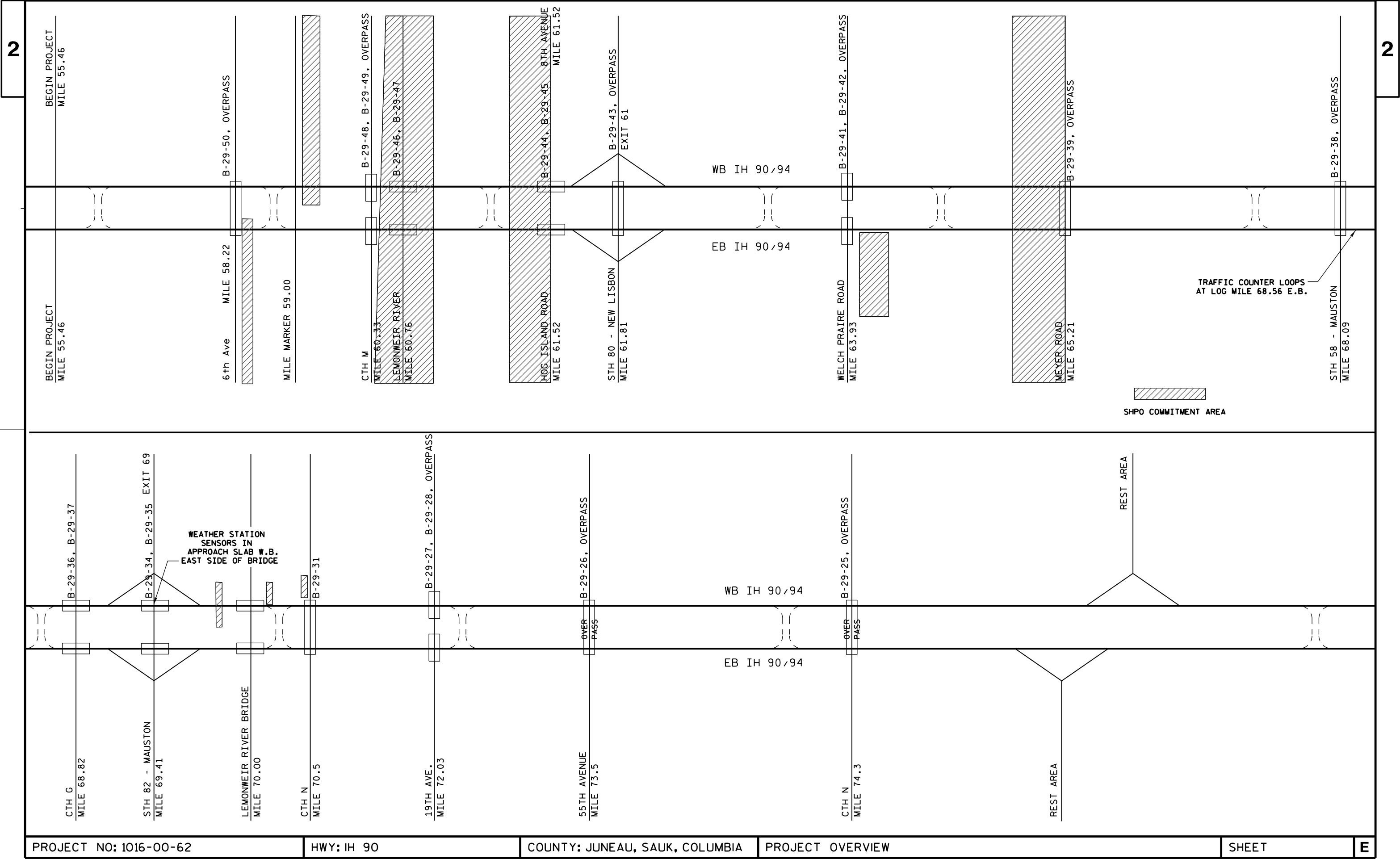
AC	ACRE	LC.	LONG CHORD
AGG	AGGREGATE	LS	LUMP SUM
<	ANGLE	M.P.	MARKER POST
AE, AEW	APRON ENDWALL	MGAL	1000 GALLONS
ASPH.	ASPHALTIC	N.C.	NORMAL CROWN
A.D.T.	AVERAGE DAILY TRAFFIC	N	NORTH
A.A.D.T.	ANNUAL AVERAGE DAILY TRAFFIC	NB	NORTHBOUND
B.F.	BACK FACE	NOR	NORMAL
BM	BENCHMARK	NO.	NUMBER
BTWN	BETWEEN	PAV'T	PAVEMENT
CTR.	CENTER	P.L.E.	PERMANENT LIMITED EASEMENT
C/L	CENTER LINE	P.C.	POINT OF CURVATURE
Δ	CENTRAL ANGLE OR DELTA	P.I.	POINT OF INTERSECTION
C.E	COMMERCIAL ENTRANCE	P.T.	POINT OF TANGENCY
CONST.	CONSTRUCTION	PCC	PORTLAND CEMENT CONCRETE
CMCP	CORRUGATED METAL CULVERT PIPE	P.E.	PRIVATE ENTRANCE
CMP	CORRUGATED METAL PIPE	PGL	PROFILE GRADE LINE
CO.	COUNTY	P.L.	PROPERTY LINE
CTH	COUNTY TRUNK HIGHWAY	R	RADIUS OR RANGE
CR.	CREEK	R/L	REFERENCE LINE
CABC	CRUSHED AGGREGATE BASE COURSE	R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE
CY	CUBIC YARD	REQ'D	REQUIRED
CP	CONTROL POINT OR CULVERT PIPE	RT	RIGHT
C&G	CURB AND GUTTER	R.H.F.	RIGHT HAND FORWARD
D	DEGREE OF CURVE	R/W	RIGHT OF WAY
D.H.V.	DESIGN HOURLY VOLUME	RD.	ROAD
DIA.	DIAMETER	SHLD.	SHOULDER(S)
D.D.	DIRECTIONAL DISTRIBUTION	SHR.	SHRINKAGE
DISCH.	DISCHARGE	S	SOUTH
DMS	DYNAMIC MESSAGE SIGN	SB	SOUTHBOUND
EA	EACH	S.F.	SQUARE FOOT (FEET)
E	EAST	SDD	STANDARD DETAIL DRAWING(S)
EB	EASTBOUND	STH	STATE TRUNK HIGHWAY
ELEC.	ELECTRIC(AL), ELEC. CABLE	STA.	STATION
EL., ELEV.	ELEVATION	S.E	SUPERELEVATION
ESALS	EQUIVALENT SINGLE AXLE LOADS	S/L	SURVEY LINE
EXC.	EXCAVATION	SYM	SYMMETRICAL
EXIST	EXISTING	T.	PERCENT TRUCKS
F.F.	FACE TO FACE	TEL.	TELEPHONE
FERT.	FERTILIZER	TEMP.	TEMPORARY
F.E.	FIELD ENTRANCE	T.L.E.	TEMPORARY LIMITED EASEMENT
F/L, F.L.	FLOW LINE	T.O.C.	TOP OF CURB
GALV.	GALVANIZE	TYP	TYPICAL
H.S.	HIGH STRENGTH	UNCL.	UNCLASSIFIED
CWT	HUNDRED WEIGHT	U.G.	UNDERGROUND (CABLE)
INL	INLET	VAR	VARIABLE
INTER.	INTERSECTION	V.C.	VERTICAL CURVE
IH	INTERSTATE HIGHWAY	V.P.C.	VERTICAL POINT OF CURVATURE
JT.	JOINT	V.P.I.	VERTICAL POINT OF INTERSECTION
LT	LEFT	V.P.T.	VERTICAL POINT OF TANGENCY
L.H.F.	LEFT HAND FORWARD	Wt.	WEIGHT
L.	LENGTH OF CURVE	W	WEST
L.F.	LINEAR FOOT(FEET)	WB	WESTBOUND

2		UTILITY CONTACTS				2	
Carl Donahue AT&T Legacy - Communication Line 866 Rock Creek Road Plano, IL 60545 (715) 833-2054 cd8729@att.com Jason Hogan Alliant Energy - Electricity Suite 1000 4902 N Biltmore Lane Madison, WI 53718 (608) 458-4871 jasonhogan@alliantenergy.com David Holzem City of Wisconsin Dells - Water 300 La Crosse St Wisconsin Dells, WI 53965 (608) 253-2012 dholzem@dellscitygov.com Jerald Moore Frontier Communications of WI LLC - Communication Line 2222 West Wisconsin Street Portage, WI 53901 (608) 742-9507 Jerald.r.moore@ftr.com Tim Orcutt Mediacom LLC Wisconsin - Communication Line 3033 Asbury Rd Dubuque, IA 52001 (515) 249-5848 torcutt@mediacomcc.com Leonard Klaas Northern Natural Gas Company - Gas/Petroleum 5557 County D Platteville, WI 53818 (608) 778-8514 leonard.klass@nngco.com		Mike Olsen ATC Management, Inc. - Electricity 801 O'keefe Rd P.O. Box 6113 De Pere, WI 54115-6113 (920) 338-6582 molsen@atcllc.com Jason Hogan Alliant Energy - Gas/Petroleum Suite 1000 4902 N Biltmore Lane Madison, WI 53718 (608) 458-4871 jasonhogan@alliantenergy.com David Holzem City of Wisconsin Dells - Sewer 300 La Crosse St Wisconsin Dells, WI 53965 (608) 253-2012 dholzem@dellscitygov.com Ben Grilley Lemonweir Valley Telephone Company - Communication Line 127 US Hwy 12 P.O. Box 267 Camp Douglas, WI 54618 (608) 427-6515 x 121 bengrilley@lynxx.net Bob Anderson New Lisbon City of Elec & Water Ut - Electricity 232 W Pleasant St New Lisbon, WI 53950-1378 (608) 562-5213 nldpw@mwt.net Scott Brookman Oakdale Electric Cooperative - Electricity 489 N Oakwood St P.O. Box 128 Oakdale, WI 54649 (608) 372-8828 sbrookma@oakdalerec.com		Shawn Pietrzak Adams-Columbia Electric Cooperative-Electricity 401 E Lake St P.O. Box 70 Friendship, WI 53954 1-800-831-8629 x 323 spietrzak@acecwi.com Steve Bishop CenturyLink - Communication Line 130 4th Street Baraboo, WI 53913 (608) 355-7501 steven.bishop@centurylink.com Kurt Childs Dairyland Power Cooperative - Electricity 3200 East Ave S P.O. Box 817 La Crosse, WI 54602 (608) 788-4000 kdc@dairynet.com Jeffrey Jackson Network Relocations Level 3 Communications LLC - Communication Line 1305 E Algonquin Road Arlington Heights, IL 6005 (708) 417-2919 level3.networkrelocations@level3.com Bob Anderson New Lisbon City of Elec & Water Ut - Water 232 W Pleasant St New Lisbon, WI 53950-1378 (608) 562-5213 nldpw@mwt.net Ellis McFadden Sauk County Emergency Management Buildings & Safety Communication Line Lightwave Networks, LLC 438 N Superior St, Ste 110 De Pere, WI 54115 (920) 819-4791 ellismcf@gmail.com		Jeff Madson Wisconsin Department of Transportation - Communication Line Ste. 300 433 W. St. Paul Ave. Milwaukee, WI 53203-3007 (414) 225-3723 Jeffrey.Madson@dot.wi.gov David Holzem Wisconsin Dells Municipal Electric Utility - Electricity 300 La Crosse St P.O. Box 655 Wisconsin Dells, WI 53965-0655 (608) 254-2012 dholzem@dellscitygov.com Mike Adams Wisconsin DOT RWIS Program - Communication Tower Rm 501 P.O. Box 7986 Madison, WI 53707-7986 (608) 266-5004 Michael.Adams@dot.wi.gov William Koenig AT&T Legacy JMC Engineers & Associates, Inc. 128 W Sunset Avenue Appleton, WI 54911 (608) 628-0575 bkoenig@jmceainc.com	
PROJECT NO: 1016-00-62		HWY: IH 90		COUNTY: JUNEAU, SAUK, COLUMBIA		GENERAL NOTES	
SHEET:		E					

DIGGERSHOTLINE

Dial 811 or (800) 242-8511

www.DiggersHotline.com



PROJECT NO: 1016-00-62

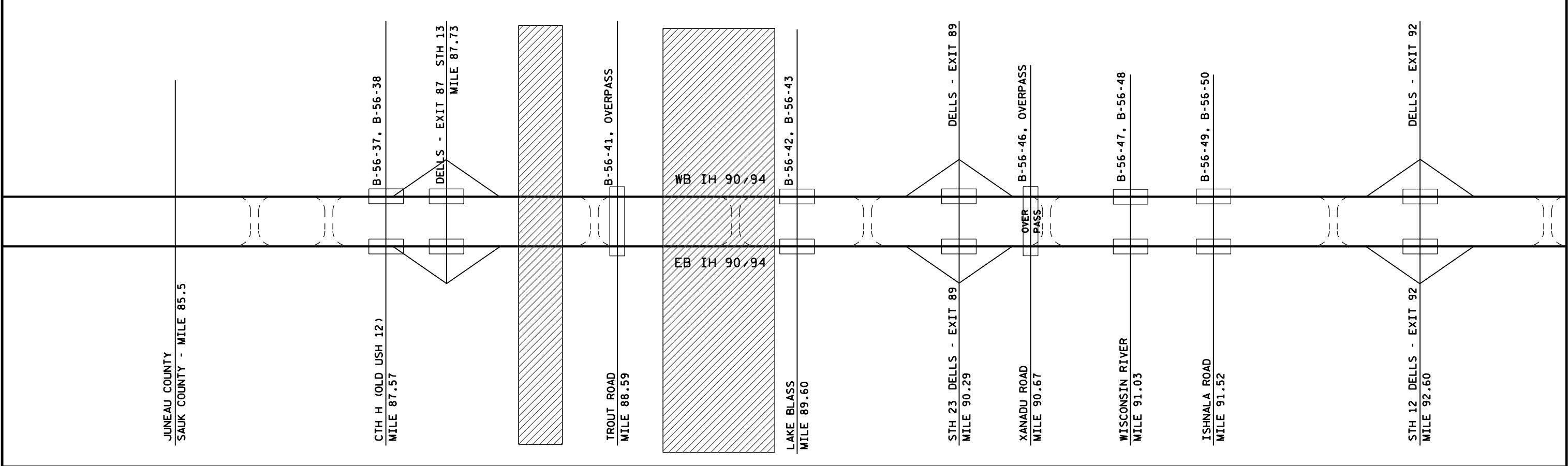
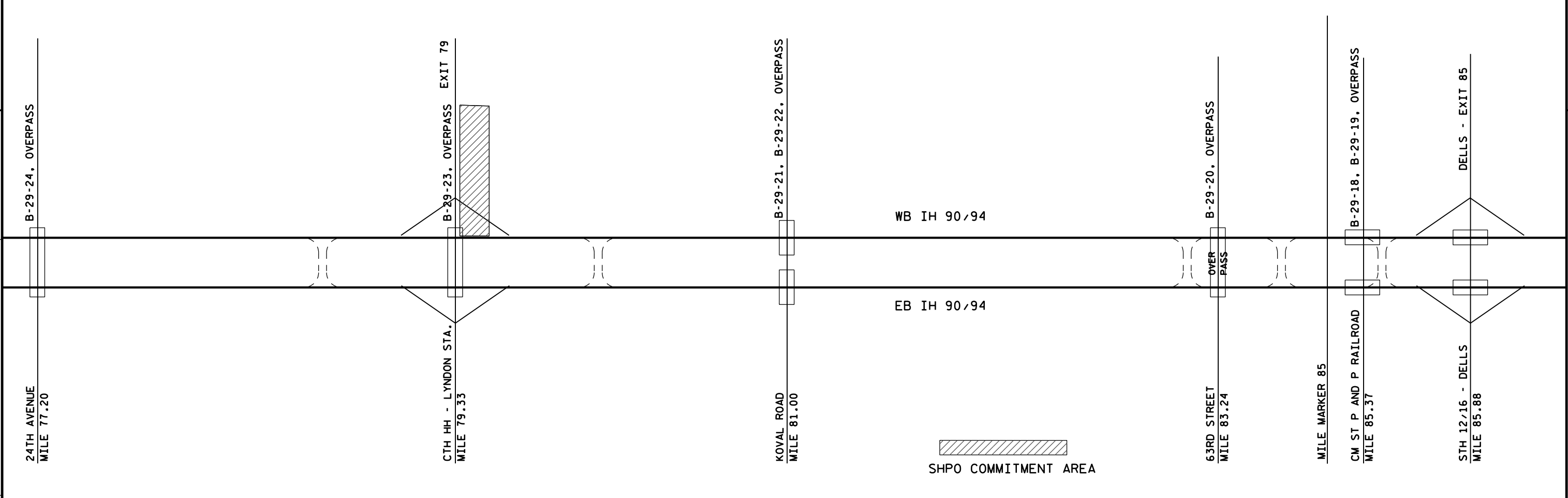
HWY: IH 90

COUNTY: JUNEAU, SAUK, COLUMBIA

PROJECT OVERVIEW

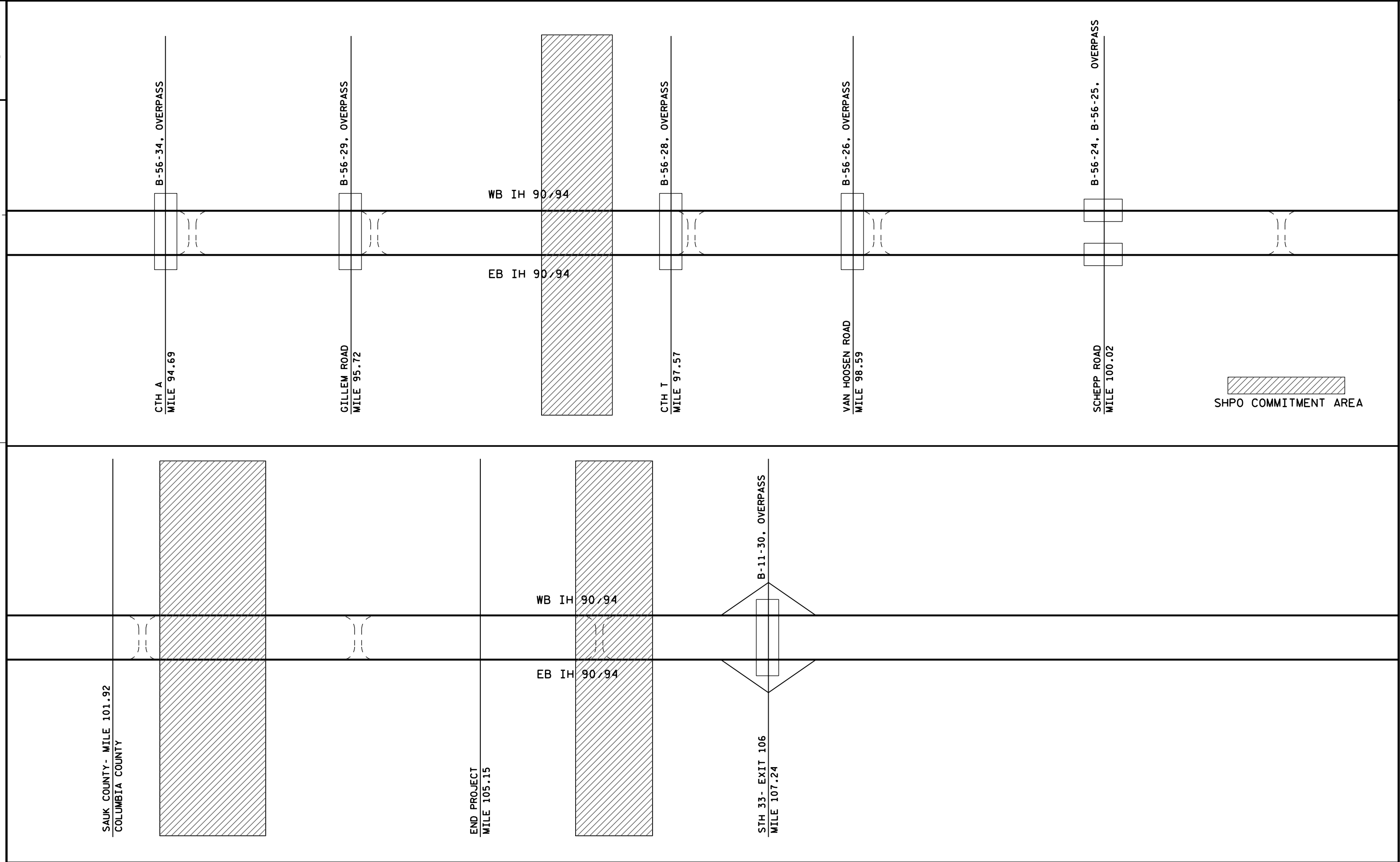
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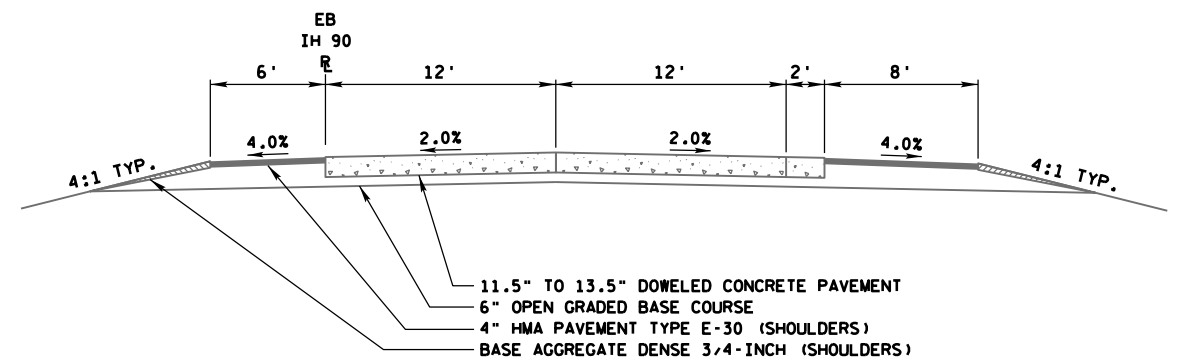
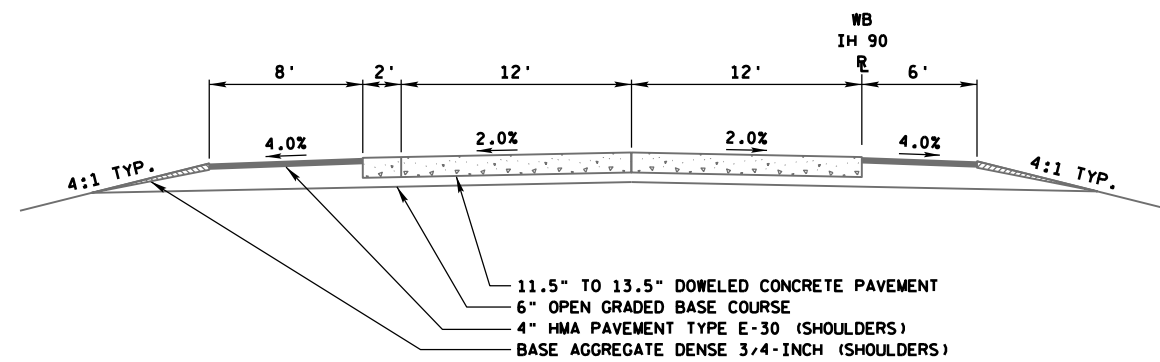
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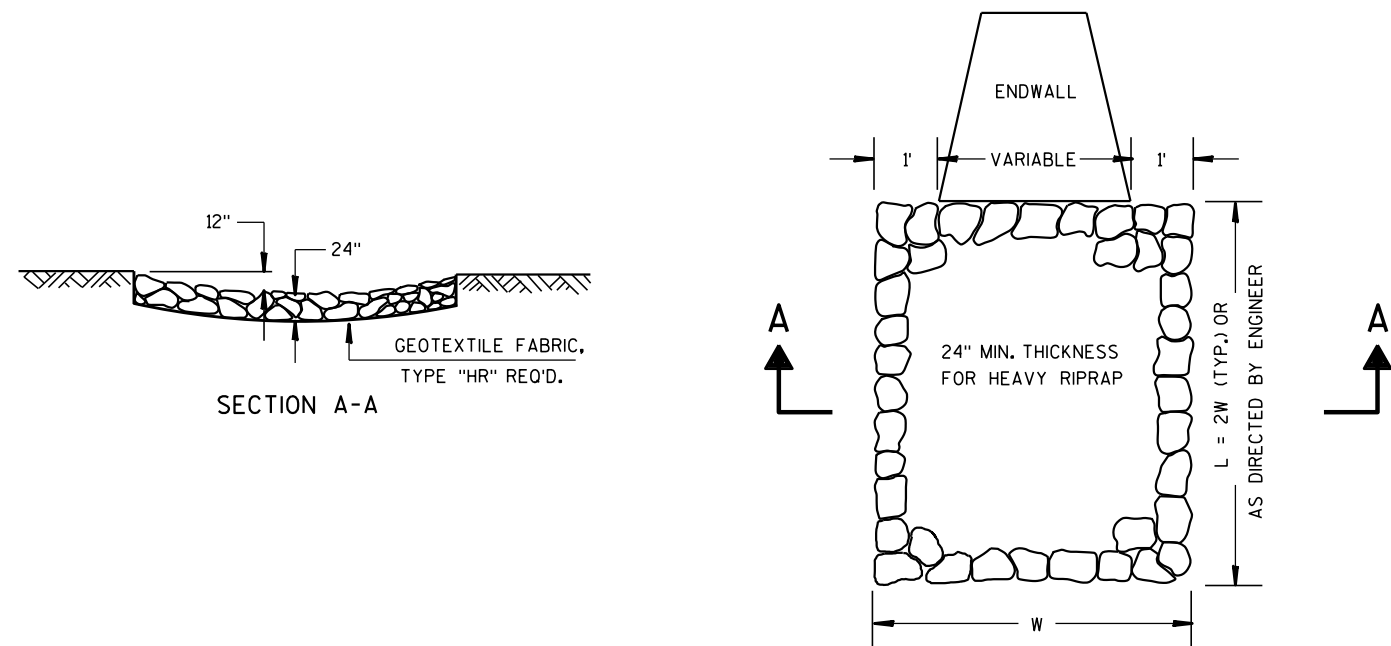
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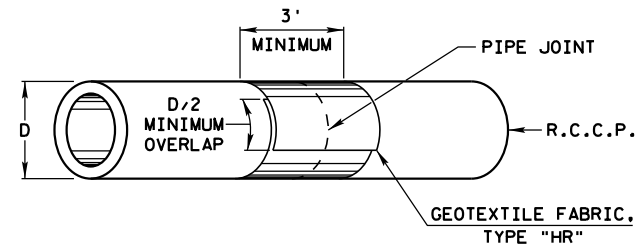


EXISTING MAINLINE TYPICAL TANGENT SECTION

NO ADDITIONAL COMPENSATION SHALL BE PAID FOR THICKNESSES OVER 13.5"

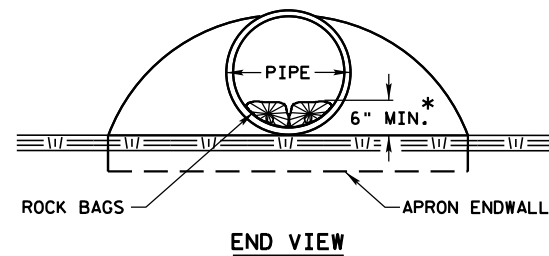


HEAVY RIPRAP TREATMENT AT CULVERTS



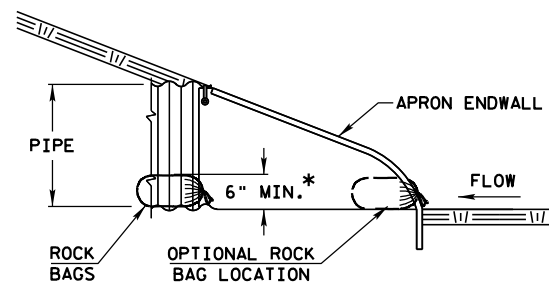
GEOTEXTILE FABRIC REQUIRED FOR PIPE JOINTS		
PIPE DIA. (IN.)	PIPE O.D. (IN.)	FABRIC/JOINT (S.Y.)
18	23	2.3
21	26.5	2.6
24	30	3.0
27	33.5	3.3
30	37	3.6
36	44	4.3
42	51	5.0
48	58	5.7
54	65	6.4
60	72	7.1
66	79	7.8
72	86	8.5

WRAPPED PIPE JOINT DETAIL
WRAP ALL JOINTS



END VIEW

* OR AS DIRECTED BY THE ENGINEER



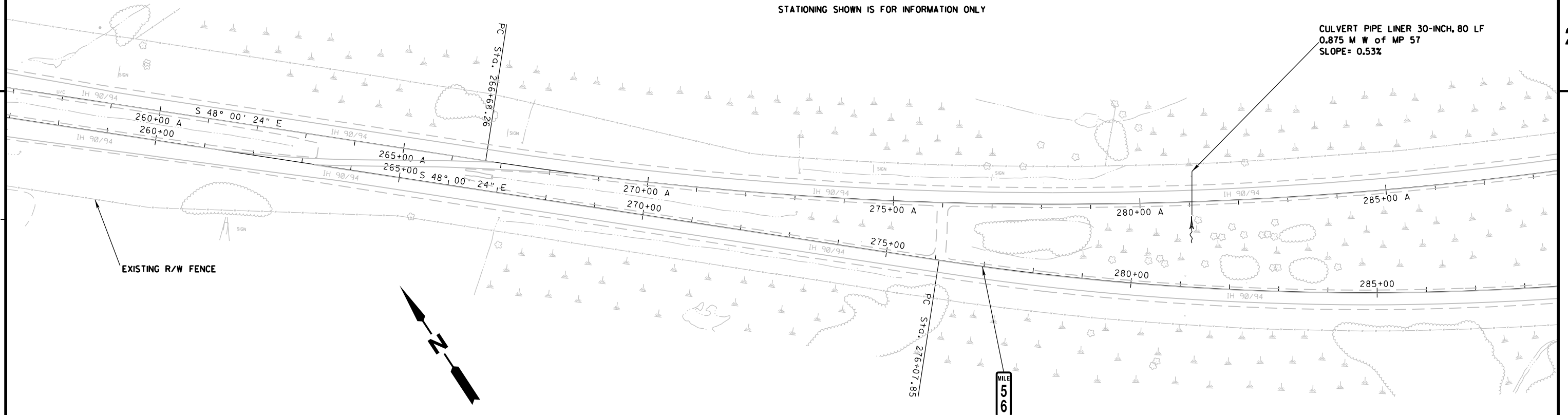
SIDE VIEW

CULVERT PIPE CHECKS

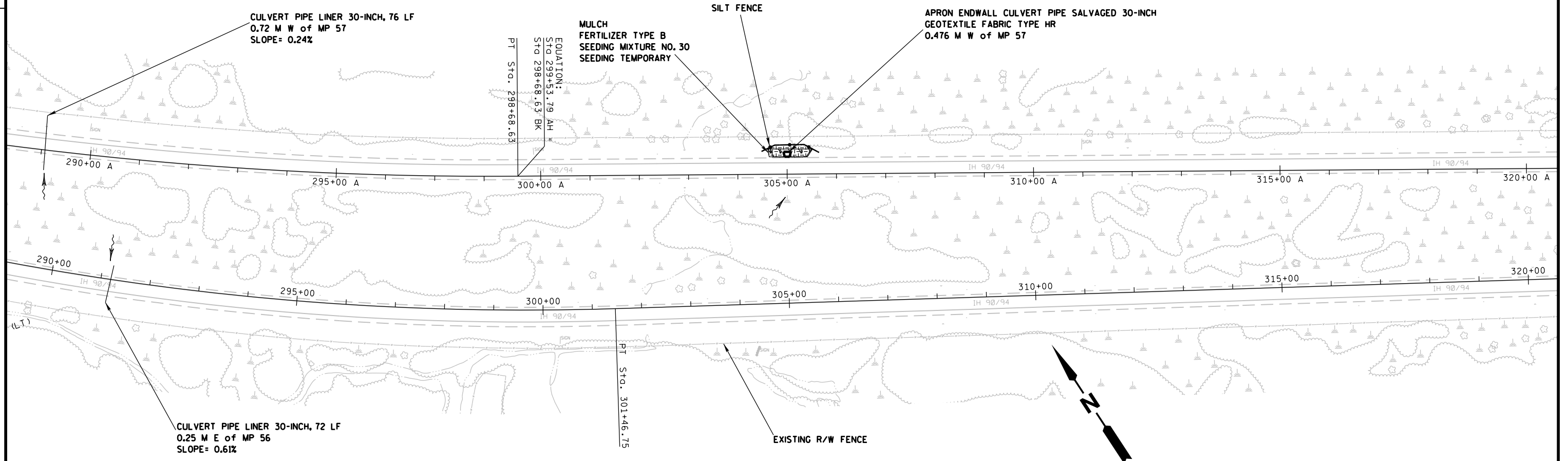
ESTIMATED BAG SIZE 18"x 12"x 6"	
PIPE SIZE INCHES	ESTIMATED BAGS
12	1
15	2
18	2
21	3
14x23	3
24	3
27	4
30	5
19x30	5
36	7
24x38	8
42	8
29x45	10
48	10
34x53	10
54	10
38x60	13
60	13
66	15
53x83	19

2

CULVERT PIPE LINER 30-INCH, 80 LF
0.875 M W of MP 57
SLOPE= 0.53%



APRON ENDWALL CULVERT PIPE SALVAGED 30-INCH
GEOTEXTILE FABRIC TYPE HR
0.476 M W of MP 57



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WISDOT/CADDS SHEET 42

STATIONING SHOWN IS FOR INFORMATION ONLY

CULVERT PIPE LINER 30-INCH, 110 LF
0.849 M W OF MP 58
SLOPE= 0.4%

MILE
57

EXISTING R/W FENCE

CULVERT PIPE LINER 30-INCH, 76 LF
0.624 M W OF MP 58
SLOPE= 0.24%

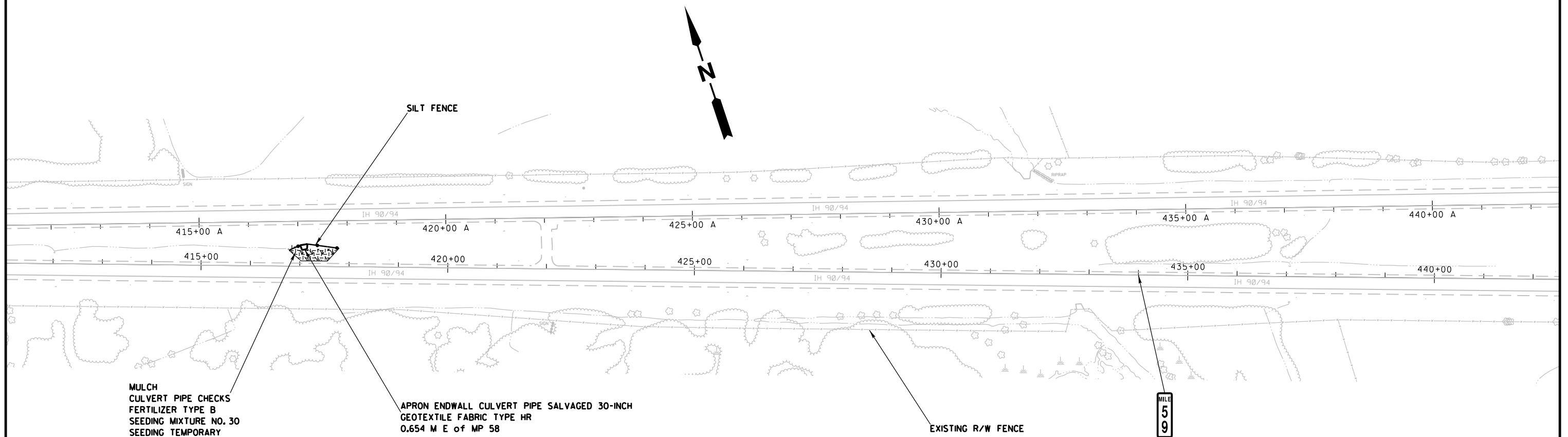
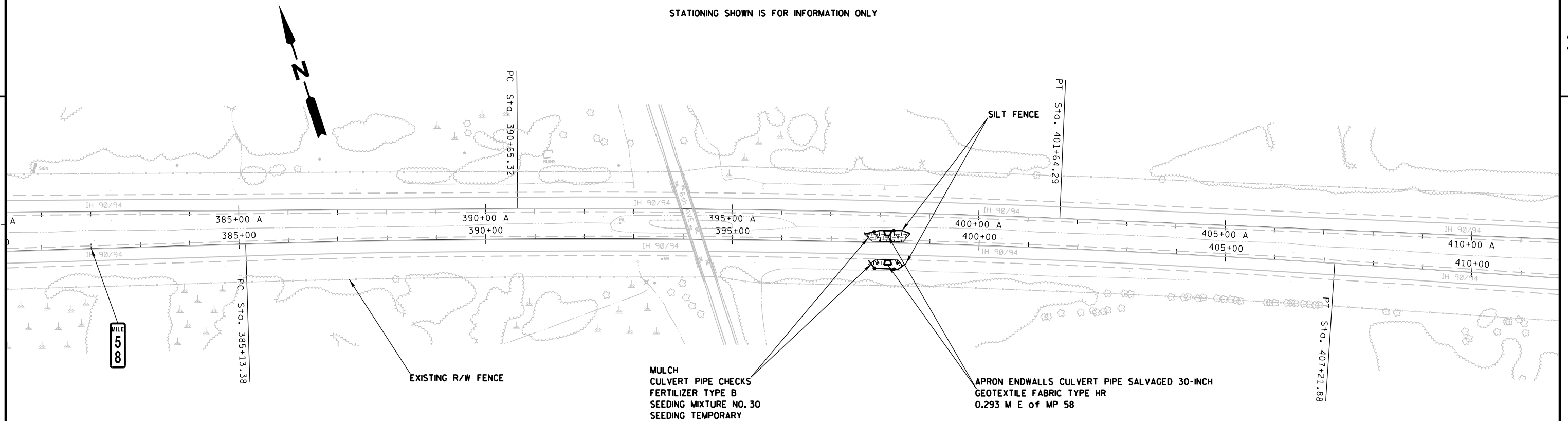
CULVERT PIPE LINER 30-INCH, 70 LF
0.514 M W OF MP 58
SLOPE= 0.54%

EXISTING R/W FENCE

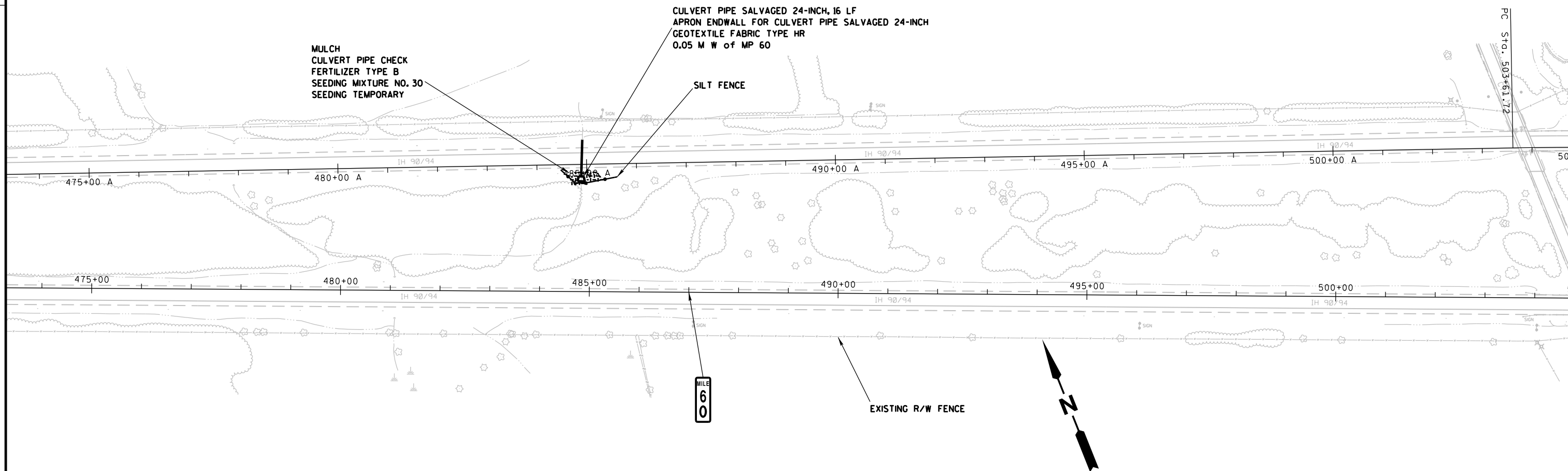
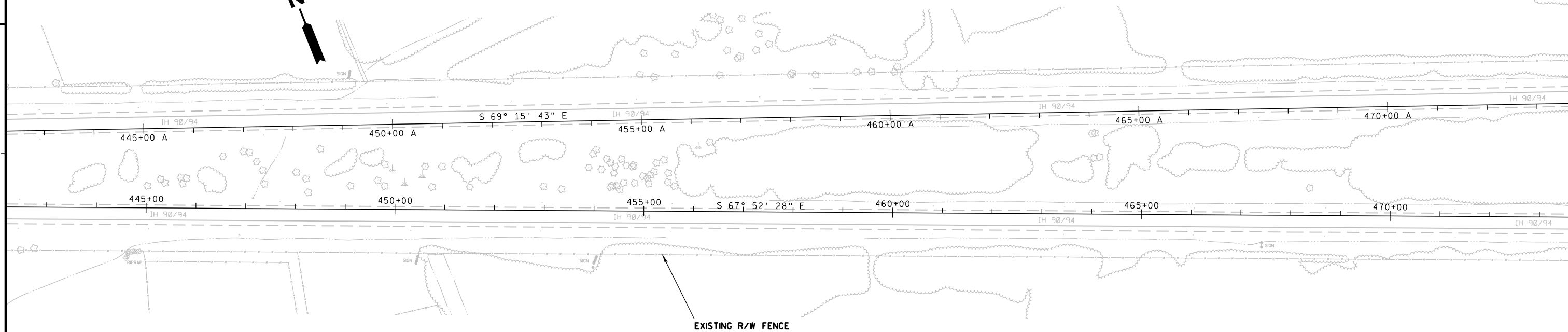
CULVERT PIPE LINER 30-INCH, 66 LF
0.41 M E OF MP 57
SLOPE= 0.24%

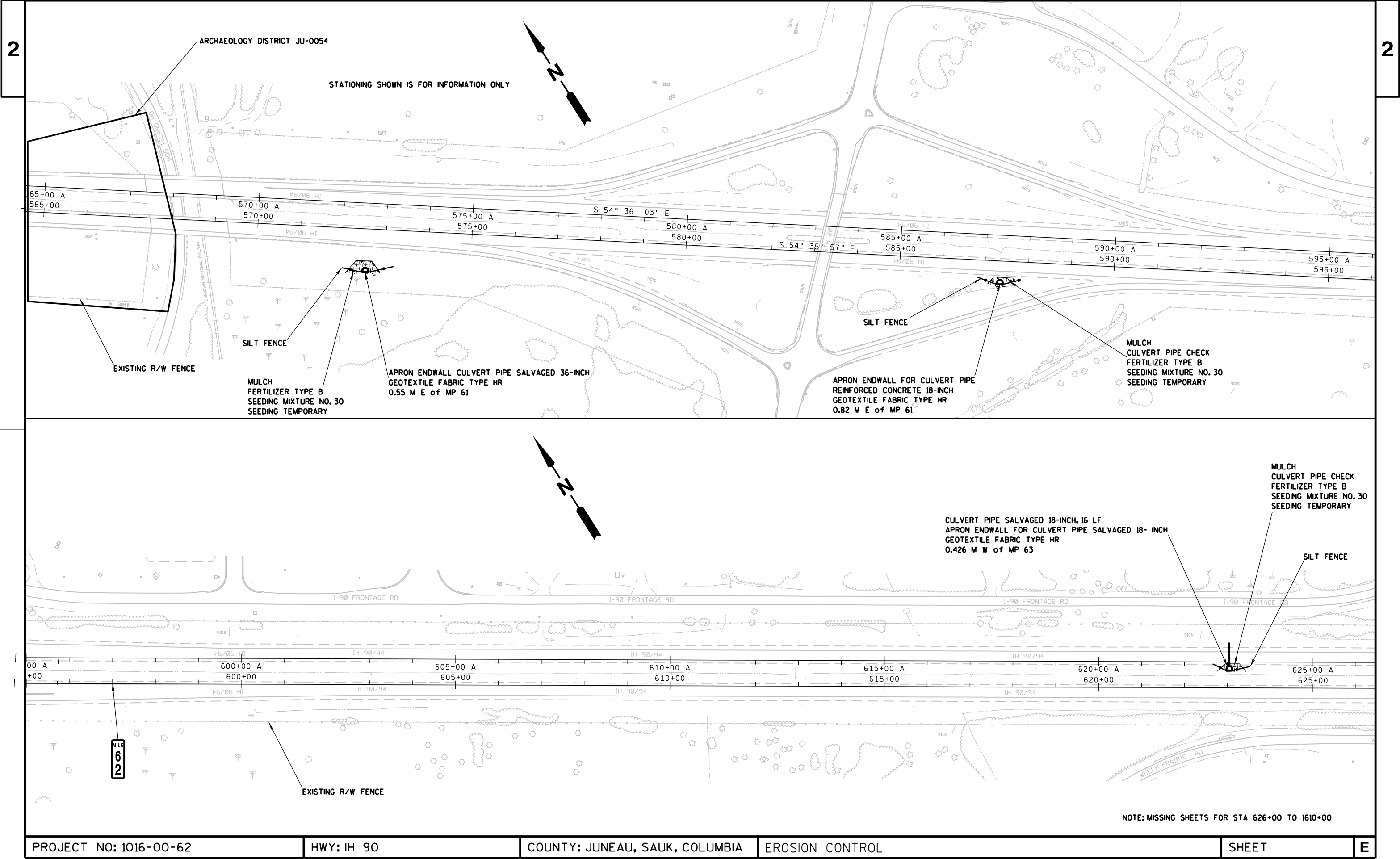
CULVERT PIPE LINER 30-INCH, 66 LF
0.545 M E OF MP 57
SLOPE= 0.5%

STATIONING SHOWN IS FOR INFORMATION ONLY



STATIONING SHOWN IS FOR INFORMATION ONLY





PROJECT NO: 1016-00-62

HWY: IH 90

COUNTY: JUNEAU, SAUK, COLUMBIA

EROSION CONTROL

SHEET

E

FILE NAME : P:\State\19094\10160032\Cad\plansheet6.dgn

PLOT DATE : 27-JUL-2016 18:00

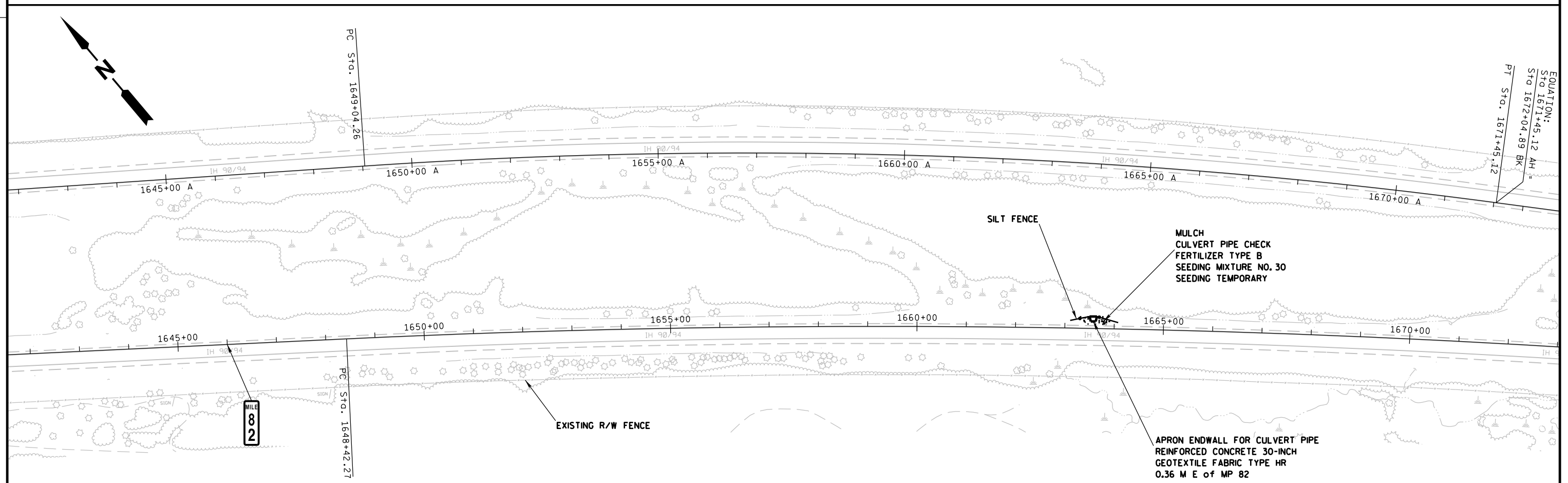
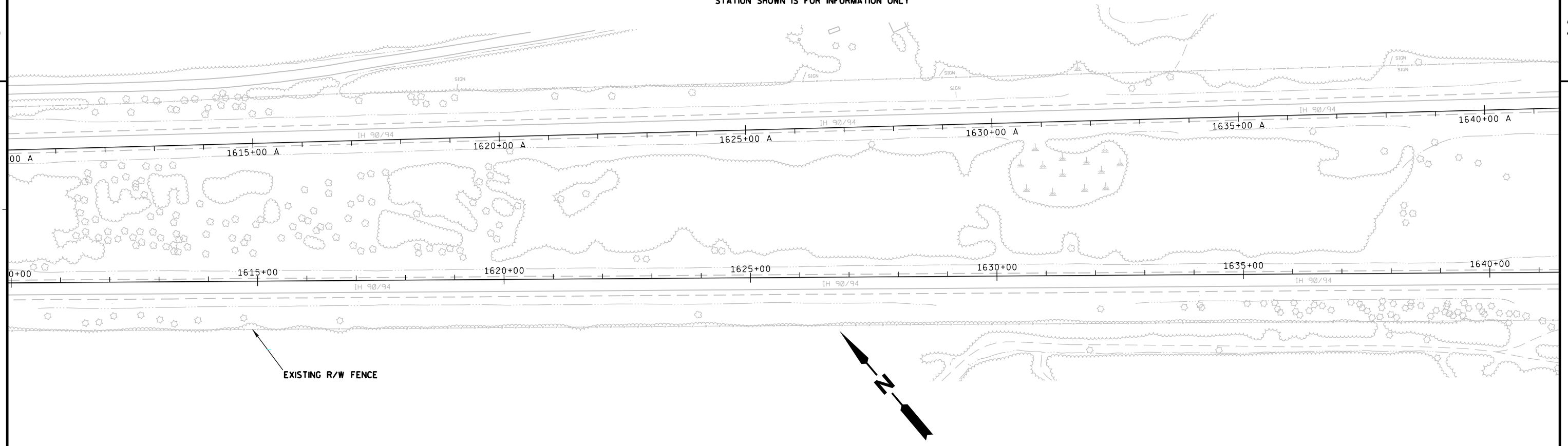
PLOT BY : dotwov

PLOT NAME :

PLOT SCALE : 200.000000:1.000000

WISDOT/CADDs SHEET 42

STATION SHOWN IS FOR INFORMATION ONLY



PROJECT NO: 1016-00-62

HWY: IH 90

COUNTY: JUNEAU, SAUK, COLUMBIA

EROSION CONTROL

SHEET

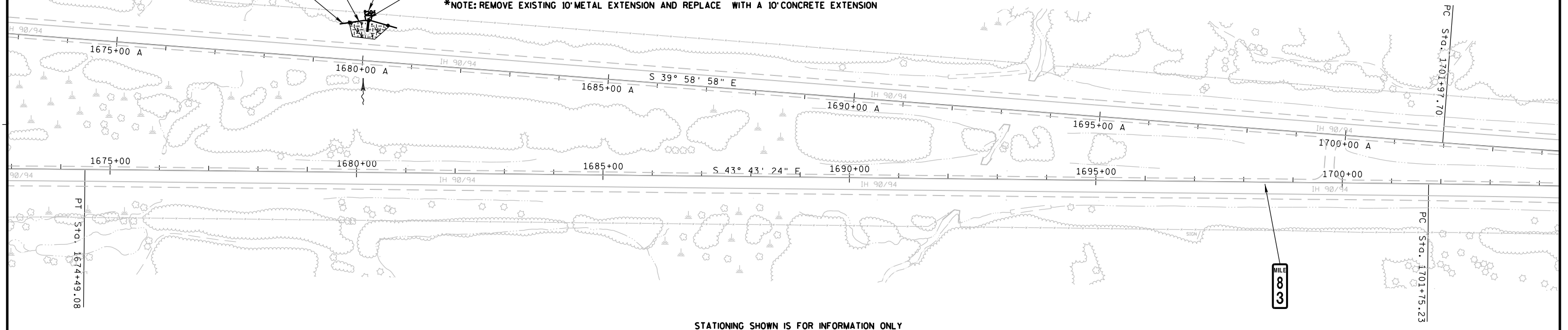
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MULCH
FERTILIZER TYPE B
SEEDING MIXTURE NO. 30
SEEDING TEMPORARY

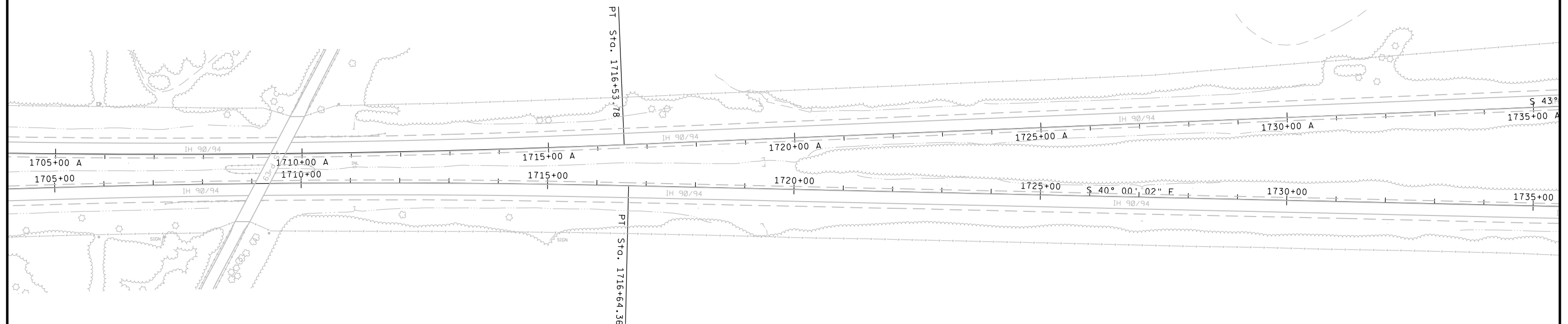
RIPRAP HEAVY

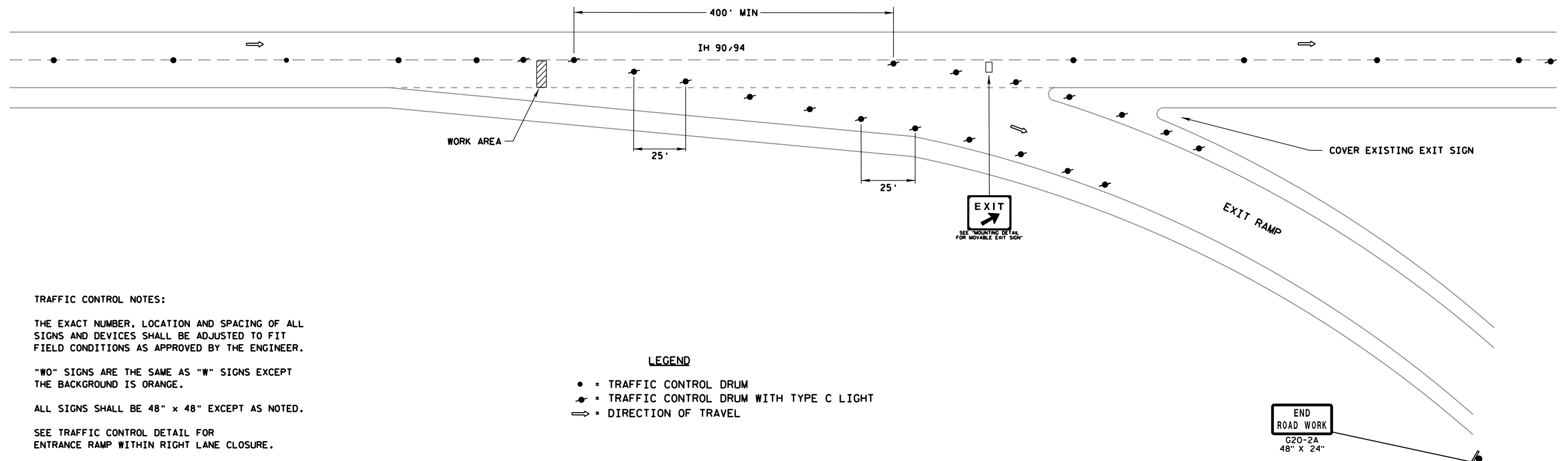
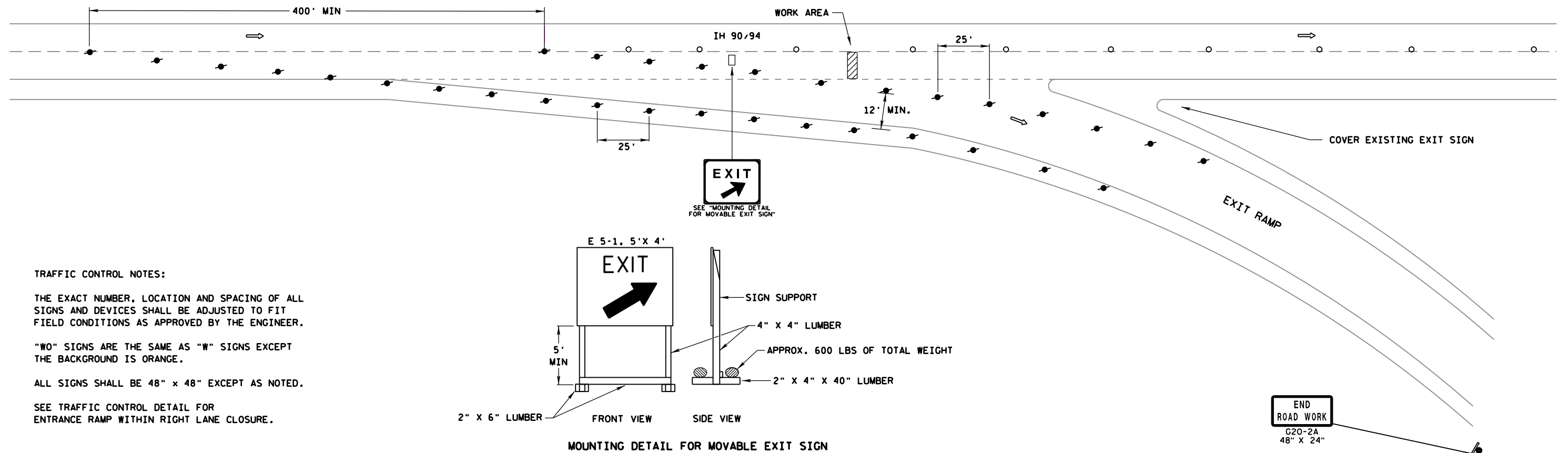
CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH, 10 LF
APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH
CONCRETE COLLAR
GEOTEXTILE FABRIC TYPE HR
0.35 M W OF MP 83
*NOTE: REMOVE EXISTING 10' METAL EXTENSION AND REPLACE WITH A 10' CONCRETE EXTENSION

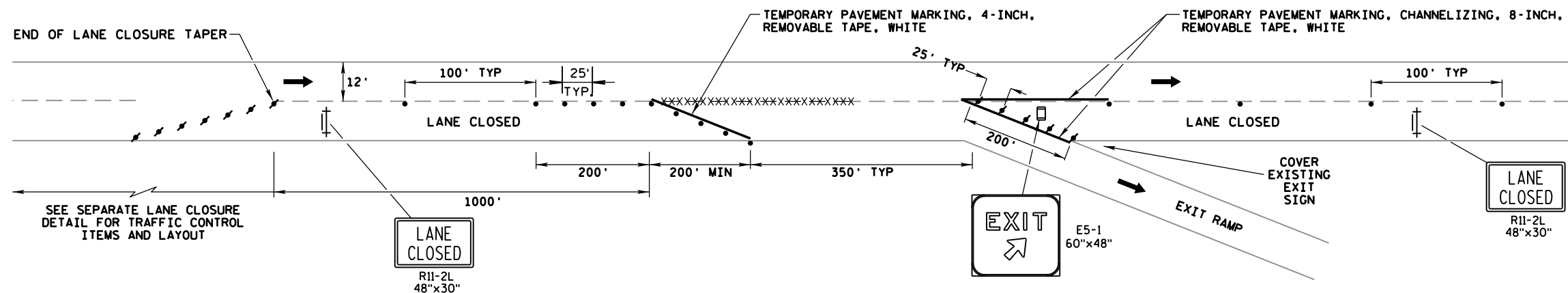
SILT FENCE



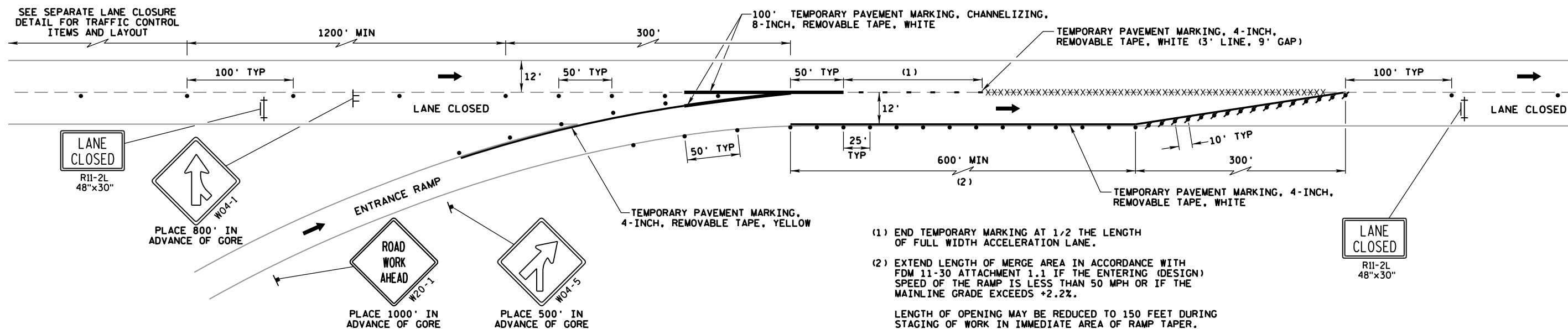
STATIONING SHOWN IS FOR INFORMATION ONLY







TRAFFIC CONTROL, EXIT RAMP



TRAFFIC CONTROL, ENTRANCE RAMP WITHIN RIGHT LANE CLOSURE

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.

"W0" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

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

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

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

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

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- XXXX REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

DATE 26AUG16		E S T I M A T E O F Q U A N T I T I E S			
LINE					1016-00-62
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	203.0100	Removing Small Pipe Culverts	EACH	1.000	1.000
0090	213.0100	Finishing Roadway (project) 01.	EACH	1.000	1.000
		1016-00-62			
0130	416.0610	Drilled Tie Bars	EACH	96.000	96.000
0140	416.0620	Drilled Dowel Bars	EACH	47,504.000	47,504.000
0180	520.8000	Concrete Collars for Pipe	EACH	1.000	1.000
0190	520.9700.S	Culvert Pipe Liners (size) 01. 30-Inch	LF	616.000	616.000
0200	520.9750.S	Cleaning Culvert Pipes for Liner	EACH	8.000	8.000
		Verification			
0220	522.0130	Culvert Pipe Reinforced Concrete Class	LF	10.000	10.000
		III 30-Inch			
0240	522.1018	Apron Endwalls for Culvert Pipe	EACH	1.000	1.000
		Reinforced Concrete 18-Inch			
0250	522.1030	Apron Endwalls for Culvert Pipe	EACH	2.000	2.000
		Reinforced Concrete 30-Inch			
0260	524.0118	Culvert Pipe Salvaged 18-Inch	LF	16.000	16.000
0270	524.0124	Culvert Pipe Salvaged 24-Inch	LF	16.000	16.000
0280	524.0618	Apron Endwalls for Culvert Pipe	EACH	1.000	1.000
		Salvaged 18-Inch			
0290	524.0624	Apron Endwalls for Culvert Pipe	EACH	1.000	1.000
		Salvaged 24-Inch			
0300	524.0630	Apron Endwalls for Culvert Pipe	EACH	4.000	4.000
		Salvaged 30-Inch			
0310	524.0636	Apron Endwalls for Culvert Pipe	EACH	1.000	1.000
		Salvaged 36-Inch			
0330	606.0300	Riprap Heavy	CY	3.000	3.000
0440	618.0100	Maintenance And Repair of Haul Roads	EACH	1.000	1.000
		(project) 01. 1016-00-62			
0460	619.1000	Mobilization	EACH	0.800	0.800
0480	627.0200	Mulching	SY	3,000.000	3,000.000
0490	628.1504	Silt Fence	LF	600.000	600.000
0500	628.1520	Silt Fence Maintenance	LF	600.000	600.000
0510	628.1905	Mobilizations Erosion Control	EACH	7.000	7.000
0520	628.1910	Mobilizations Emergency Erosion Control	EACH	7.000	7.000
0560	628.7555	Culvert Pipe Checks	EACH	15.000	15.000
0570	629.0210	Fertilizer Type B	CWT	1.920	1.920
0580	630.0130	Seeding Mixture No. 30	LB	6.000	6.000
0590	630.0200	Seeding Temporary	LB	9.000	9.000
0610	633.5200	Markers Culvert End	EACH	26.000	26.000
0630	642.5201	Field Office Type C	EACH	1.000	1.000
0650	643.0200	Traffic Control Surveillance and	DAY	158.000	158.000
		Maintenance (project) 01. 1016-00-62			
0660	643.0300	Traffic Control Drums	DAY	40,800.000	40,800.000
0670	643.0420	Traffic Control Barricades Type III	DAY	2,728.000	2,728.000
0680	643.0705	Traffic Control Warning Lights Type A	DAY	5,486.000	5,486.000
0690	643.0715	Traffic Control Warning Lights Type C	DAY	2,618.000	2,618.000
0700	643.0800	Traffic Control Arrow Boards	DAY	308.000	308.000
0710	643.0900	Traffic Control Signs	DAY	4,576.000	4,576.000
0730	643.1050	Traffic Control Signs PCMS	DAY	632.000	632.000
0740	645.0120	Geotextile Type HR	SY	47.700	47.700
0760	646.0106	Pavement Marking Epoxy 4-Inch	LF	1,200,671.000	1,200,671.000
0770	646.0126	Pavement Marking Epoxy 8-Inch	LF	27,376.000	27,376.000
0820	690.0250	Sawing Concrete	LF	95,618.000	95,618.000
0850	SPV.0045	Special 01. PCMS Remote Communications	DAY	632.000	632.000
0880	SPV.0075	Special 01. Moving Lane Closure	HRS	80.000	80.000
		Pavement Repair Marking			

DATE 26AUG16		E S T I M A T E O F Q U A N T I T I E S			
LINE		1016-00-62			
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0890	SPV.0180	Special 01. Concrete Pavement Repair Overnight	SY	26,154.890	26,154.890
0900	SPV.0180	Special 02. Concrete Pavement Replacement Overnight	SY	373.330	373.330

Moving Lane Closure, Pavement Repair Marking																																																																																						
SPV.0075.01 Moving Lane Closure, Pavement Repair Marking																																																																																						
<table><tr><th colspan="2">Location</th><th>HRS</th><th colspan="14">Remarks</th></tr><tr><td colspan="2">EB IH 90/94</td><td>40</td><td colspan="14"></td></tr><tr><td colspan="2">WB IH 90/94</td><td>40</td><td colspan="14"></td></tr><tr><td colspan="2">SUBTOTAL=</td><td>80</td><td colspan="14"></td></tr></table>																			Location		HRS	Remarks														EB IH 90/94		40															WB IH 90/94		40															SUBTOTAL=		80														
Location		HRS	Remarks																																																																																			
EB IH 90/94		40																																																																																				
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SUBTOTAL=		80																																																																																				
CONCRETE PAVEMENT REPAIR SUMMARY										CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED																																																																												
SPV.0180.01 416.0620 690.0250 SPV.0180.01 416.0620 690.0250 CONCRETE DRILLED SAWING CONCRETE DRILLED SAWING PAVEMENT DOWEL PAVEMENT DOWEL REPAIR BARS CONCRETE OVERNIGHT EACH LF OVERNIGHT EACH LF REMARKS																																																																																						
MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS	MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS																																																																					
55	4382	EB	LEFT	10	13.33	16	34	EXPANSION JOINT DETAIL	56	3119	EB	LEFT	6	8.00	16	30																																																																						
55	4382	EB	RIGHT	10	15.56	16	38	EXPANSION JOINT DETAIL	56	3136	EB	LEFT	6	8.00	16	30																																																																						
55	4386	EB	LEFT	6	8.00	16	30		56	3221	EB	RIGHT	6	9.33	16	34																																																																						
55	4445	EB	RIGHT	6	9.33	16	34		56	3240	EB	RIGHT	6	9.33	16	34																																																																						
55	4921	EB	LEFT	6	8.00	16	30		56	3329	EB	LEFT	6	8.00	16	30																																																																						
55	5214	EB	RIGHT	6	9.33	16	34		56	3344	EB	RIGHT	6	9.33	16	34																																																																						
MILE 56									56	3397	EB	RIGHT	6	9.33	16	34																																																																						
56	239	EB	RIGHT	6	9.33	16	34		56	3447	EB	RIGHT	6	9.33	16	34																																																																						
56	289	EB	RIGHT	6	9.33	16	34		56	3465	EB	RIGHT	6	9.33	16	34																																																																						
56	580	EB	RIGHT	6	9.33	16	34		56	3911	EB	RIGHT	6	9.33	16	34																																																																						
56	614	EB	RIGHT	6	9.33	16	34		56	3998	EB	LEFT	6	8.00	16	30																																																																						
56	681	EB	RIGHT	6	9.33	16	34		56	4012	EB	RIGHT	6	9.33	16	34																																																																						
56	1180	EB	RIGHT	6	9.33	16	34		56	4276	EB	RIGHT	6	9.33	16	34																																																																						
56	1561	EB	RIGHT	6	9.33	16	34		56	4409	EB	LEFT	6	8.00	16	30																																																																						
56	1647	EB	LEFT	6	8.00	16	30		56	4468	EB	LEFT	6	8.00	16	30																																																																						
56	2207	EB	RIGHT	6	9.33	16	34		56	4522	EB	RIGHT	6	9.33	16	34																																																																						
56	2326	EB	LEFT	6	8.00	16	30		56	4660	EB	LEFT	6	8.00	16	30																																																																						
56	2580	EB	LEFT	6	8.00	16	30		56	4700	EB	RIGHT	6	9.33	16	34																																																																						
56	2718	EB	RIGHT	6	9.33	16	34		56	4865	EB	LEFT	6	8.00	16	30																																																																						
56	2718	EB	LEFT	6	8.00	16	30		56	4884	EB	RIGHT	6	9.33	16	34																																																																						
56	2734	EB	LEFT	6	8.00	16	30		56	4884	EB	LEFT	6	8.00	16	30																																																																						
56	2786	EB	LEFT	6	8.00	16	30		MILE 57																																																																													
56	2822	EB	LEFT	6	8.00	16	30		57	276	EB	RIGHT	6	9.33	16	34																																																																						
56	2822	EB	RIGHT	6	9.33	16	34		57	300	EB	RIGHT	6	9.33	16	34																																																																						
56	2942	EB	RIGHT	6	9.33	16	34		57	675	EB	RIGHT	6	9.33	16	34																																																																						
56	3035	EB	LEFT	6	8.00	16	30		57	739	EB	RIGHT	6	9.33	16	34																																																																						
56	3084	EB	RIGHT	6	9.33	16	34		57	780	EB	RIGHT	6	9.33	16	34																																																																						
56	3100	EB	LEFT	6	8.00	16	30		57	840	EB	LEFT	6	8.00	16	30																																																																						
56	3119	EB	RIGHT	6	9.33	16	34		57	875	EB	RIGHT	6	9.33	16	34																																																																						
SUBTOTAL=					257.00	448	912		57	1260	EB	LEFT	6	8.00	16	30																																																																						
									57	1295	EB	LEFT	6	8.00	16	30																																																																						
SUBTOTAL=														264.00	480	972																																																																						

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED

MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SPV.0180.01	416.0620	CONCRETE	REMARKS
					CONCRETE PAVEMENT REPAIR OVERNIGHT SY	DRILLED DOWEL BARS EACH		
							690.0250 SAWING LF	
57	1425	EB	LEFT	6	8.00	16	30	
57	1530	EB	RIGHT	6	9.33	16	34	
57	2379	EB	RIGHT	6	9.33	16	34	
57	2418	EB	RIGHT	6	9.33	16	34	
57	2477	EB	RIGHT	6	9.33	16	34	
57	2567	EB	LEFT	6	8.00	16	30	
57	2600	EB	RIGHT	6	9.33	16	34	
57	2762	EB	LEFT	6	8.00	16	30	
57	2875	EB	RIGHT	6	9.33	16	34	
57	2915	EB	RIGHT	6	9.33	16	34	
57	3350	EB	RIGHT	6	9.33	16	34	
57	4755	EB	RIGHT	6	9.33	16	34	
57	4785	EB	RIGHT	6	9.33	16	34	
57	4895	EB	RIGHT	6	9.33	16	34	
57	4992	EB	RIGHT	6	9.33	16	34	
57	5038	EB	RIGHT	6	9.33	16	34	
57	5086	EB	RIGHT	6	9.33	16	34	
57	5142	EB	RIGHT	6	9.33	16	34	
57	5176	EB	RIGHT	6	9.33	16	34	
57	5176	EB	LEFT	6	8.00	16	30	
MILE 58								
58	48	EB	RIGHT	6	9.33	16	34	
58	151	EB	RIGHT	6	9.33	16	34	
58	196	EB	RIGHT	6	9.33	16	34	
58	235	EB	RIGHT	6	9.33	16	34	
58	302	EB	LEFT	6	8.00	16	30	
58	402	EB	RIGHT	6	9.33	16	34	
58	512	EB	LEFT	6	8.00	16	30	
58	529	EB	LEFT	6	8.00	16	30	
58	882	EB	RIGHT	6	9.33	16	34	
58	882	EB	LEFT	6	8.00	16	30	
58	930	EB	LEFT	6	8.00	16	30	
58	962	EB	RIGHT	6	9.33	16	34	
SUBTOTAL=					286.67	512	1052	

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED

MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SPV.0180.01	416.0620	CONCRETE	REMARKS
					CONCRETE PAVEMENT REPAIR OVERNIGHT SY	DRILLED DOWEL BARS EACH		
							690.0250 SAWING LF	
58	1188	EB	LEFT	6	8.00	16	30	
58	1488	EB	RIGHT	6	9.33	16	34	
58	1786	EB	LEFT	6	8.00	16	30	
58	1844	EB	RIGHT	6	9.33	16	34	
58	2020	EB	RIGHT	6	9.33	16	34	
58	2044	EB	RIGHT	6	9.33	16	34	
58	2070	EB	RIGHT	6	9.33	16	34	
58	2095	EB	RIGHT	6	9.33	16	34	
58	2120	EB	LEFT	6	8.00	16	30	
58	2200	EB	LEFT	6	8.00	16	30	
58	2318	EB	LEFT	6	8.00	16	30	
58	2625	EB	RIGHT	6	9.33	16	34	
58	2698	EB	RIGHT	6	9.33	16	34	
58	2859	EB	RIGHT	6	9.33	16	34	
58	2883	EB	RIGHT	6	9.33	16	34	
58	3117	EB	RIGHT	6	9.33	16	34	
58	3118	EB	RIGHT	6	9.33	16	34	
58	3249	EB	RIGHT	6	9.33	16	34	
58	3250	EB	RIGHT	6	9.33	16	34	
58	3268	EB	LEFT	6	8.00	16	30	
58	4568	EB	RIGHT	6	9.33	16	34	
MILE 59								
59	529	EB	RIGHT	6	9.33	16	34	
59	664	EB	RIGHT	6	9.33	16	34	
59	729	EB	RIGHT	6	9.33	16	34	
59	884	EB	RIGHT	6	9.33	16	34	
59	937	EB	RIGHT	6	9.33	16	34	
59	1595	EB	RIGHT	6	9.33	16	34	
59	1677	EB	RIGHT	12	18.67	16	40	
59	1850	EB	LEFT	6	8.00	16	30	
59	2076	EB	RIGHT	6	9.33	16	34	
59	2128	EB	LEFT	6	8.00	16	30	
59	3176	EB	RIGHT	6	9.33	16	34	
59	4418	EB	RIGHT	6	9.33	16	34	
SUBTOTAL=					306.67	528	1096	

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED									CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED								
				SPV.0180.01			416.0620						SPV.0180.01			416.0620	
				CONCRETE			DRILLED		690.0250				CONCRETE			DRILLED	
				PAVEMENT			DOWEL		SAWING				PAVEMENT			DOWEL	
				REPAIR									REPAIR				
				OVERNIGHT			BARS		CONCRETE				OVERNIGHT			BARS	
MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS	MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS
MILE 60									61	3768	EB	RIGHT	6	9.33	16	34	MILE 62
60	236	EB	LEFT	6	8.00	16	30		61	3920	EB	LEFT	6	8.00	16	30	
60	516	EB	RIGHT	6	9.33	16	34		61	3963	EB	RIGHT	6	9.33	16	34	
60	1461	EB	RIGHT	6	9.33	16	34		61	4018	EB	LEFT	6	8.00	16	30	
60	1600	EB	RIGHT	6	9.33	16	34		61	4205	EB	LEFT	6	8.00	16	30	
60	1785	EB	RIGHT	6	9.33	16	34		61	4596	EB	RIGHT	6	9.33	16	34	
60	2015	EB	RIGHT	6	9.33	16	34		61	4733	EB	RIGHT	6	9.33	16	34	
60	2099	EB	RIGHT	6	9.33	16	34		61	4733	EB	LEFT	6	8.00	16	30	
60	2387	EB	LEFT	6	8.00	16	30		61	4929	EB	RIGHT	6	9.33	16	34	
60	2509	EB	RIGHT	6	9.33	16	34										
60	2528	EB	RIGHT	6	9.33	16	34		62	760	EB	LEFT	6	8.00	16	30	
60	2663	EB	RIGHT	6	9.33	16	34		62	1340	EB	RIGHT	8	12.44	16	36	
60	2948	EB	LEFT	6	8.00	16	30		62	1340	EB	LEFT	8	10.67	16	32	
60	3179	EB	RIGHT	6	9.33	16	34		62	1420	EB	RIGHT	10	15.56	16	38	
60	3355	EB	RIGHT	6	9.33	16	34		62	1890	EB	LEFT	6	8.00	16	30	
60	4590	EB	LEFT	6	8.00	16	30		62	2082	EB	LEFT	6	8.00	16	30	
60	4725	EB	RIGHT	6	9.33	16	34		62	2448	EB	RIGHT	6	9.33	16	34	
60	5028	EB	LEFT	6	8.00	16	30		62	2512	EB	RIGHT	6	9.33	16	34	
MILE 61									62	2930	EB	LEFT	6	8.00	16	30	
61	157	EB	LEFT	6	8.00	16	30		62	2945	EB	LEFT	6	8.00	16	30	
61	188	EB	RIGHT	6	9.33	16	34		62	3039	EB	LEFT	6	8.00	16	30	
61	412	EB	RIGHT	6	9.33	16	34		62	3090	EB	LEFT	6	8.00	16	30	
61	457	EB	RIGHT	6	9.33	16	34		62	3160	EB	RIGHT	6	9.33	16	34	
61	679	EB	RIGHT	6	9.33	16	34		62	3228	EB	LEFT	6	8.00	16	30	
61	695	EB	RIGHT	6	9.33	16	34		62	3329	EB	LEFT	6	8.00	16	30	
61	753	EB	RIGHT	6	9.33	16	34		62	3430	EB	LEFT	6	8.00	16	30	
61	811	EB	LEFT	6	8.00	16	30		62	3430	EB	LEFT	6	8.00	16	30	
61	1411	EB	LEFT	6	8.00	16	30		62	3508	EB	RIGHT	10	15.56	16	38	
61	1486	EB	LEFT	6	8.00	16	30		62	3630	EB	LEFT	8	10.67	16	32	
61	3178	EB	RIGHT	6	9.33	16	34		62	3680	EB	RIGHT	8	12.44	16	36	
61	3290	EB	LEFT	6	8.00	16	30		62	3730	EB	LEFT	6	8.00	16	30	
61	3525	EB	RIGHT	6	9.33	16	34		62	3824	EB	RIGHT	6	9.33	16	34	
61	3531	EB	RIGHT	6	9.33	16	34		62	3888	EB	LEFT	6	8.00	16	30	
				SUBTOTAL=			276.00	496	1014	62	3933	EB	RIGHT	6	9.33	16	34
										62	4018	EB	RIGHT	6	9.33	16	34
										SUBTOTAL=			308.00	528	1066		

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED

					SPV.0180.01	416.0620			
					CONCRETE	DRILLED	690.0250		
					PAVEMENT	DOWEL	SAWING		
					REPAIR				
					OVERNIGHT	BARS	CONCRETE		
MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS	
62	4500	EB	LEFT	6	8.00	16	30	MILE 63	
62	4520	EB	RIGHT	6	9.33	16	34		
62	4717	EB	LEFT	6	8.00	16	30		
63	83	EB	RIGHT	6	9.33	16	34		
63	360	EB	RIGHT	6	9.33	16	34		
63	400	EB	RIGHT	6	9.33	16	34		
63	433	EB	RIGHT	6	9.33	16	34		
63	876	EB	RIGHT	6	9.33	16	34		
63	960	EB	LEFT	6	8.00	16	30		
63	1122	EB	LEFT	6	8.00	16	30		
63	1256	EB	RIGHT	6	9.33	16	34		
63	1330	EB	LEFT	6	8.00	16	30		
63	1340	EB	RIGHT	6	9.33	16	34		
63	1400	EB	RIGHT	6	9.33	16	34		
63	1440	EB	LEFT	6	8.00	16	30		
63	1576	EB	RIGHT	10	15.56	16	38		
63	1590	EB	LEFT	6	8.00	16	30		
63	1884	EB	LEFT	6	8.00	16	30		
63	1919	EB	LEFT	6	8.00	16	30		
63	1936	EB	LEFT	6	8.00	16	30		
63	2230	EB	LEFT	6	8.00	16	30		
63	2519	EB	RIGHT	10	15.56	16	38		
63	2626	EB	LEFT	6	8.00	16	30		
63	2680	EB	RIGHT	6	9.33	16	34		
63	2795	EB	LEFT	6	8.00	16	30		
63	2727	EB	LEFT	6	8.00	16	30		
63	3060	EB	LEFT	6	8.00	16	30		
63	3333	EB	RIGHT	6	9.33	16	34		
63	3360	EB	RIGHT	6	9.33	16	34		
63	3777	EB	RIGHT	10	15.56	16	38		
63	3895	EB	RIGHT	10	15.56	16	38		
63	3966	EB	RIGHT	6	9.33	16	34		
63	4176	EB	LEFT	6	8.00	16	30		
SUBTOTAL=					311.56	528	1074		

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED

					SPV.0180.01	416.0620			
					CONCRETE	DRILLED	690.0250		
					PAVEMENT	DOWEL	SAWING		
					REPAIR				
					OVERNIGHT	BARS	CONCRETE		
MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS	
63	4315	EB	RIGHT	6	9.33	16	34	MILE 64	
63	4370	EB	RIGHT	6	9.33	16	34		
63	4426	EB	LEFT	6	8.00	16	30		
63	4446	EB	LEFT	6	8.00	16	30		
63	4476	EB	RIGHT	6	9.33	16	34		
63	4555	EB	LEFT	6	8.00	16	30		
63	4746	EB	RIGHT	6	9.33	16	34		
63	4846	EB	LEFT	6	8.00	16	30		
63	4856	EB	RIGHT	6	9.33	16	34		
63	4950	EB	RIGHT	6	9.33	16	34		
64	516	EB	LEFT	6	8.00	16	30		
64	890	EB	LEFT	6	8.00	16	30		
64	948	EB	RIGHT	6	9.33	16	34		
64	1072	EB	RIGHT	6	9.33	16	34		
64	1370	EB	RIGHT	6	9.33	16	34		
64	1452	EB	RIGHT	6	9.33	16	34		
64	1605	EB	RIGHT	6	9.33	16	34		
64	1636	EB	RIGHT	10	15.56	16	38		
64	1722	EB	LEFT	6	8.00	16	30		
64	1766	EB	LEFT	6	8.00	16	30		
64	1830	EB	LEFT	6	8.00	16	30		
64	1876	EB	LEFT	6	8.00	16	30		
64	2062	EB	LEFT	6	8.00	16	30		
64	2115	EB	RIGHT	6	9.33	16	34		
64	2266	EB	LEFT	6	8.00	16	30		
64	2343	EB	LEFT	6	8.00	16	30		
64	2608	EB	LEFT	6	8.00	16	30		
64	2662	EB	RIGHT	6	9.33	16	34		
64	2750	EB	RIGHT	6	9.33	16	34		
64	2818	EB	RIGHT	6	9.33	16	34		
64	2946	EB	RIGHT	6	9.33	16	34		
64	2946	EB	LEFT	6	8.00	16	30		
64	3130	EB	RIGHT	6	9.33	16	34		
SUBTOTAL=					294.22	528	1066		

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED

					SPV.0180.01	416.0620				
					CONCRETE	DRILLED	690.0250			
					PAVEMENT	DOWEL	SAWING			
					REPAIR					
					OVERNIGHT	BARS	CONCRETE			
MILE	MARKER	PLUS	LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS
	64	3190		EB	LEFT	6	8.00	16	30	
	64	3230		EB	RIGHT	6	9.33	16	34	
	64	3480		EB	LEFT	6	8.00	16	30	
	64	3718		EB	LEFT	6	8.00	16	30	
	64	3998		EB	RIGHT	6	9.33	16	34	
	64	4021		EB	RIGHT	6	9.33	16	34	
	64	4430		EB	RIGHT	6	9.33	16	34	
	64	4483		EB	LEFT	6	8.00	16	30	
	64	4733		EB	LEFT	6	8.00	16	30	
	64	4779		EB	RIGHT	6	9.33	16	34	
	64	5005		EB	RIGHT	6	9.33	16	34	
										MILE 65
	65	100		EB	RIGHT	6	9.33	16	34	
	65	270		EB	LEFT	6	8.00	16	30	
	65	296		EB	RIGHT	6	9.33	16	34	
	65	372		EB	LEFT	6	8.00	16	30	
	65	433		EB	LEFT	6	8.00	16	30	
	65	462		EB	RIGHT	6	9.33	16	34	
	65	496		EB	RIGHT	6	9.33	16	34	
	65	607		EB	LEFT	6	8.00	16	30	
	65	626		EB	RIGHT	6	9.33	16	34	
	65	1400		EB	LEFT	6	8.00	16	30	
	65	1426		EB	RIGHT	6	9.33	16	34	
	65	1900		EB	RIGHT	6	9.33	16	34	
	65	2333		EB	RIGHT	6	9.33	16	34	
	65	2413		EB	LEFT	6	8.00	16	30	
	65	2455		EB	LEFT	6	8.00	16	30	
	65	2669		EB	LEFT	6	8.00	16	30	
	65	2876		EB	RIGHT	6	9.33	16	34	
	65	2905		EB	RIGHT	6	9.33	16	34	
	65	2940		EB	RIGHT	6	9.33	16	34	
	65	3100		EB	RIGHT	6	9.33	16	34	
	65	3166		EB	LEFT	6	8.00	16	30	
	65	3210		EB	RIGHT	6	9.33	16	34	
SUBTOTAL=							289.33	528	1066	

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED

					SPV.0180.01	416.0620			
					CONCRETE	DRILLED	690.0250		
					PAVEMENT	DOWEL	SAWING		
					REPAIR				
					OVERNIGHT	BARS	CONCRETE		
MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS	
65	3400	EB	RIGHT	6	9.33	16	34		
65	3517	EB	RIGHT	6	9.33	16	34		
65	3596	EB	LEFT	6	8.00	16	30		
65	3717	EB	LEFT	6	8.00	16	30		
65	3926	EB	RIGHT	6	9.33	16	34		
65	3959	EB	RIGHT	6	9.33	16	34		
65	4146	EB	RIGHT	6	9.33	16	34		
65	4575	EB	RIGHT	6	9.33	16	34		
65	4614	EB	LEFT	6	8.00	16	30		
65	4640	EB	LEFT	6	8.00	16	30		
65	4930	EB	RIGHT	6	9.33	16	34		
MILE 66									
66	70	EB	RIGHT	6	9.33	16	34		
66	316	EB	LEFT	6	8.00	16	30		
66	650	EB	RIGHT	6	9.33	16	34		
66	780	EB	RIGHT	6	9.33	16	34		
66	912	EB	LEFT	6	8.00	16	30		
66	929	EB	LEFT	8	10.67	16	32		
66	1084	EB	RIGHT	8	12.44	16	36		
66	1118	EB	LEFT	6	8.00	16	30		
66	1122	EB	LEFT	6	8.00	16	30		
66	1515	EB	LEFT	6	8.00	16	30		
66	1646	EB	LEFT	6	8.00	16	30		
66	1680	EB	RIGHT	6	9.33	16	34		
66	1690	EB	LEFT	6	8.00	16	30		
66	2133	EB	LEFT	6	8.00	16	30		
66	2190	EB	RIGHT	10	15.56	16	38		
66	2400	EB	LEFT	6	8.00	16	30		
66	2488	EB	LEFT	6	8.00	16	30		
66	2536	EB	LEFT	6	8.00	16	30		
66	2599	EB	RIGHT	6	9.33	16	34		
66	2643	EB	RIGHT	6	9.33	16	34		
66	2748	EB	RIGHT	6	9.33	16	34		
66	2800	EB	RIGHT	6	9.33	16	34		
SUBTOTAL=					298.67	528	1066		

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED									CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED								
				SPV.0180.01			416.0620						SPV.0180.01			416.0620	
				CONCRETE			DRILLED		690.0250				CONCRETE			DRILLED	
				PAVEMENT REPAIR OVERNIGHT			DOWEL BARS		SAWING CONCRETE				PAVEMENT REPAIR OVERNIGHT			DOWEL BARS	
MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS	MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS
66	3086	EB	LEFT	6	8.00	16	30	MILE 67	67	4180	EB	LEFT	6	8.00	16	30	MILE 68
66	3086	EB	RIGHT	6	9.33	16	34		67	4388	EB	LEFT	6	8.00	16	30	
66	3276	EB	RIGHT	6	9.33	16	34		67	4526	EB	RIGHT	6	9.33	16	34	
66	3888	EB	RIGHT	6	9.33	16	34		67	4650	EB	LEFT	6	8.00	16	30	
66	4100	EB	RIGHT	6	9.33	16	34		68	112	EB	RIGHT	6	9.33	16	34	
66	4185	EB	LEFT	6	8.00	16	30		68	228	EB	LEFT	6	8.00	16	30	
66	4556	EB	RIGHT	6	9.33	16	34		68	380	EB	RIGHT	6	9.33	16	34	
66	4800	EB	RIGHT	6	9.33	16	34		68	550	EB	RIGHT	6	9.33	16	34	
66	4845	EB	RIGHT	6	9.33	16	34		68	729	EB	RIGHT	6	9.33	16	34	
66	4870	EB	RIGHT	6	9.33	16	34		68	768	EB	LEFT	6	8.00	16	30	
67	55	EB	LEFT	6	8.00	16	30		68	885	EB	RIGHT	6	9.33	16	34	
67	111	EB	LEFT	8	10.67	16	32		68	1140	EB	LEFT	6	8.00	16	30	
67	270	EB	LEFT	6	8.00	16	30		68	1300	EB	LEFT	6	8.00	16	30	
67	440	EB	RIGHT	6	9.33	16	34		68	1324	EB	RIGHT	10	15.56	16	38	
67	460	EB	RIGHT	6	9.33	16	34		68	1505	EB	LEFT	6	8.00	16	30	
67	596	EB	RIGHT	6	9.33	16	34		68	1635	EB	LEFT	8	10.67	16	32	
67	950	EB	RIGHT	6	9.33	16	34		68	1635	EB	RIGHT	6	9.33	16	34	
67	965	EB	RIGHT	6	9.33	16	34		68	2200	EB	LEFT	6	8.00	16	30	
67	1058	EB	LEFT	6	8.00	16	30		68	2215	EB	LEFT	6	8.00	16	30	
67	1260	EB	RIGHT	6	9.33	16	34		68	2290	EB	LEFT	6	8.00	16	30	
67	1275	EB	LEFT	6	8.00	16	30		68	2665	EB	RIGHT	6	9.33	16	34	
67	1660	EB	LEFT	6	8.00	16	30		68	2680	EB	RIGHT	6	9.33	16	34	
67	1880	EB	RIGHT	6	9.33	16	34		68	4655	EB	RIGHT	6	9.33	16	34	
67	2009	EB	RIGHT	6	9.33	16	34		68	4860	EB	RIGHT	6	9.33	16	34	
67	2333	EB	RIGHT	6	9.33	16	34		68	5045	EB	LEFT	8	10.67	16	32	
67	2424	EB	LEFT	6	8.00	16	30		69	425	EB	RIGHT	15	23.33	16	43	MILE 69
67	2476	EB	LEFT	6	8.00	16	30		69	2870	EB	LEFT	6	8.00	16	30	
67	2550	EB	RIGHT	6	9.33	16	34		69	3236	EB	RIGHT	6	9.33	16	34	
67	3250	EB	RIGHT	6	9.33	16	34		69	3410	EB	RIGHT	6	9.33	16	34	
67	3330	EB	RIGHT	6	9.33	16	34		69	3840	EB	LEFT	6	8.00	16	30	
67	3548	EB	RIGHT	6	9.33	16	34		69	4162	EB	LEFT	6	8.00	16	30	
67	4071	EB	LEFT	6	8.00	16	30		69	4240	EB	LEFT	6	8.00	16	30	
67	4128	EB	LEFT	6	8.00	16	30		69	4662	EB	RIGHT	6	9.33	16	34	
				SUBTOTAL=	294.67	528	1076						SUBTOTAL=	310.89	528	1071	

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CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED

					SPV.0180.01	416.0620			
					CONCRETE	DRILLED	690.0250		
					PAVEMENT	DOWEL	SAWING		
					REPAIR				
					OVERNIGHT	BARS	CONCRETE		
MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS	
MILE 70									
70	1600	EB	RIGHT	6	9.33	16	34		
70	1918	EB	LEFT	6	8.00	16	30		
70	1975	EB	LEFT	6	8.00	16	30		
70	2548	EB	RIGHT	6	9.33	16	34		
70	2682	EB	LEFT	6	8.00	16	30		
70	3775	EB	RIGHT	6	9.33	16	34		
70	3970	EB	LEFT	6	8.00	16	30		
70	4035	EB	LEFT	6	8.00	16	30		
70	4176	EB	RIGHT	6	9.33	16	34		
70	4290	EB	RIGHT	6	9.33	16	34		
MILE 71									
71	200	EB	LEFT	6	8.00	16	30		
71	440	EB	LEFT	6	8.00	16	30		
71	705	EB	LEFT	6	8.00	16	30		
71	1192	EB	RIGHT	6	9.33	16	34		
71	2088	EB	LEFT	6	8.00	16	30		
71	2260	EB	RIGHT	6	9.33	16	34		
71	2390	EB	RIGHT	6	9.33	16	34		
71	2479	EB	RIGHT	6	9.33	16	34		
71	3752	EB	RIGHT	6	9.33	16	34		
71	3762	EB	LEFT	6	8.00	16	30		
71	3950	EB	RIGHT	6	9.33	16	34		
71	3964	EB	RIGHT	6	9.33	16	34		
71	4470	EB	RIGHT	6	9.33	16	34		
MILE 72									
72	60	EB	LEFT	6	8.00	16	30		
72	150	EB	RIGHT	6	9.33	16	34		
72	1433	EB	RIGHT	6	9.33	16	34		
72	1788	EB	RIGHT	6	9.33	16	34		
72	2344	EB	LEFT	6	8.00	16	30		
72	2630	EB	LEFT	6	8.00	16	30		
72	3053	EB	RIGHT	6	9.33	16	34		
72	3400	EB	RIGHT	6	9.33	16	34		
SUBTOTAL=					272.00	496	1002		

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED

						SPV.0180.01	416.0620	690.0250		
						CONCRETE	DRILLED	SAWING		
						PAVEMENT	DOWEL			
						REPAIR				
						OVERNIGHT	BARS	CONCRETE		
MILE	MARKER	PLUS	LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS
	72	3468		EB	LEFT	6	8.00	16	30	
	72	3506		EB	LEFT	6	8.00	16	30	
	72	4016		EB	LEFT	6	8.00	16	30	
	72	4971		EB	LEFT	6	8.00	16	30	MILE 77
	77	640		EB	RIGHT	6	9.33	16	34	
	77	877		EB	RIGHT	6	9.33	16	34	
	77	1518		EB	LEFT	6	8.00	16	30	
	77	1622		EB	RIGHT	6	9.33	16	34	
	77	2388		EB	LEFT	6	8.00	16	30	
	77	3340		EB	RIGHT	6	9.33	16	34	
	77	4660		EB	RIGHT	6	9.33	16	34	MILE 78
	78	337		EB	RIGHT	6	9.33	16	34	
	78	663		EB	RIGHT	6	9.33	16	34	
	78	850		EB	LEFT	6	8.00	16	30	
	78	2502		EB	LEFT	6	8.00	16	30	
	78	3600		EB	LEFT	6	8.00	16	30	
	78	5000		EB	LEFT	6	8.00	16	30	MILE 79
	79	1172		EB	LEFT	6	8.00	16	30	
	79	1140		EB	LEFT	6	8.00	16	30	
	79	1960		EB	LEFT	6	8.00	16	30	
	79	2138		EB	LEFT	6	8.00	16	30	
	79	2305		EB	LEFT	6	8.00	16	30	
	79	2900		EB	LEFT	6	8.00	16	30	
	79	3650		EB	LEFT	6	8.00	16	30	
	79	4054		EB	RIGHT	6	9.33	16	34	
	79	4219		EB	RIGHT	6	9.33	16	34	
	79	4286		EB	RIGHT	10	15.56	16	38	
	79	4434		EB	RIGHT	10	15.56	16	38	
	79	4640		EB	RIGHT	6	9.33	16	34	
SUBTOTAL=							260.44	464	926	

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED								
MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SPV.0180.01	416.0620	690.0250	REMARKS
					CONCRETE PAVEMENT REPAIR OVERNIGHT SY	DRILLED DOWEL BARS EACH	SAWING CONCRETE LF	
80	1168	EB	LEFT	6	8.00	16	30	MILE 80
80	1342	EB	RIGHT	6	9.33	16	34	
80	2480	EB	RIGHT	6	9.33	16	34	
80	4444	EB	LEFT	6	8.00	16	30	
81	899	EB	RIGHT	6	9.33	16	34	MILE 81
81	1746	EB	LEFT	6	8.00	16	30	
81	3990	EB	RIGHT	6	9.33	16	34	
81	4300	EB	LEFT	6	8.00	16	30	
82	519	EB	RIGHT	6	9.33	16	34	MILE 82
82	1158	EB	RIGHT	6	9.33	16	34	
82	1843	EB	RIGHT	6	9.33	16	34	
82	1878	EB	LEFT	6	8.00	16	30	
82	2849	EB	RIGHT	6	9.33	16	34	
82	4029	EB	RIGHT	6	9.33	16	34	
82	4323	EB	RIGHT	6	9.33	16	34	
83	1041	EB	LEFT	6	8.00	16	30	MILE 83
83	2791	EB	LEFT	6	8.00	16	30	
83	3323	EB	LEFT	6	8.00	16	30	
83	3390	EB	RIGHT	8	12.44	16	36	
83	3390	EB	LEFT	8	10.67	16	32	
83	3400	EB	LEFT	8	10.67	16	32	
83	4044	EB	LEFT	6	8.00	16	30	
83	4073	EB	RIGHT	6	9.33	16	34	
83	4935	EB	RIGHT	6	9.33	16	34	
84	940	EB	RIGHT	6	9.33	16	34	MILE 84
84	1725	EB	LEFT	6	8.00	16	30	
84	2089	EB	RIGHT	6	9.33	16	34	
84	3200	EB	RIGHT	6	9.33	16	34	
84	3367	EB	LEFT	6	8.00	16	30	
84	3913	EB	LEFT	6	8.00	16	30	
84	4049	EB	LEFT	6	8.00	16	30	
84	4256	EB	LEFT	6	8.00	16	30	
84	4520	EB	LEFT	6	8.00	16	30	
84	4570	EB	LEFT	6	8.00	16	30	
84	4921	EB	RIGHT	8	12.44	16	36	
85	556	EB	RIGHT	6	9.33	16	34	MILE 85
85	2230	EB	RIGHT	6	9.33	16	34	
85	2520	EB	RIGHT	6	9.33	16	34	
85	2660	EB	RIGHT	6	9.33	16	34	
85	3640	EB	RIGHT	6	9.33	16	34	
85	3675	EB	LEFT	8	10.67	16	32	
85	3698	EB	LEFT	10	13.33	16	34	
85	3698	EB	RIGHT	10	15.56	16	38	
85	4892	EB	RIGHT	6	9.33	16	34	
SUBTOTAL=					409.78	704	1434	

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED								
MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SPV.0180.01	416.0620	690.0250	REMARKS
					CONCRETE PAVEMENT REPAIR OVERNIGHT SY	DRILLED DOWEL BARS EACH	SAWING CONCRETE LF	
86	390	EB	RIGHT	6	9.33	16	34	MILE 86
86	500	EB	RIGHT	6	9.33	16	34	
86	1700	EB	LEFT	6	8.00	16	30	
86	2140	EB	LEFT	6	8.00	16	30	
86	2177	EB	RIGHT	6	9.33	16	34	
86	2970	EB	LEFT	6	8.00	16	30	
86	3280	EB	LEFT	6	8.00	16	30	
86	3390	EB	LEFT	6	8.00	16	30	
86	3675	EB	RIGHT	6	9.33	16	34	
86	4470	EB	LEFT	6	8.00	16	30	
86	5068	EB	LEFT	6	8.00	16	30	
87	263	EB	LEFT	6	8.00	16	30	MILE 87
87	263	EB	LEFT	6	8.00	16	30	
87	2380	EB	RIGHT	6	9.33	16	34	
87	2520	EB	RIGHT	6	9.33	16	34	
87	2558	EB	RIGHT	6	9.33	16	34	
88	1880	EB	LEFT	6	8.00	16	30	MILE 88
88	3060	EB	LEFT	6	8.00	16	30	
88	3610	EB	LEFT	6	8.00	16	30	
88	3765	EB	LEFT	6	8.00	16	30	
89	241	EB	RIGHT	15	23.33	16	43	MILE 89
89	695	EB	RIGHT	6	9.33	16	34	
89	772	EB	RIGHT	6	9.33	16	34	
89	1260	EB	RIGHT	6	9.33	16	34	
89	1320	EB	RIGHT	6	9.33	16	34	
89	1525	EB	RIGHT	6	9.33	16	34	
89	1590	EB	RIGHT	6	9.33	16	34	
89	1970	EB	LEFT	6	8.00	16	30	
89	2110	EB	RIGHT	6	9.33	16	34	
89	2325	EB	RIGHT	6	9.33	16	34	
89	2450	EB	RIGHT	6	9.33	16	34	
89	2820	EB	RIGHT	6	9.33	16	34	
89	2820	EB	LEFT	6	8.00	16	30	
89	2850	EB	LEFT	6	8.00	16	30	
89	2900	EB	RIGHT	6	9.33	16	34	
89	2950	EB	RIGHT	6	9.33	16	34	
89	3160	EB	RIGHT	6	9.33	16	34	
89	3720	EB	RIGHT	6	9.33	16	34	
89	4100	EB	RIGHT	6	9.33	16	34	
89	4250	EB	RIGHT	6	9.33	16	34	
90	172	EB	RIGHT	6	9.33	16	34	MILE 90
90	225	EB	RIGHT	6	9.33	16	34	
90	260	EB	RIGHT	6	9.33	16	34	
SUBTOTAL=					394.00	688	1407	

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED

					SPV.0180.01	416.0620		
					CONCRETE	DRILLED	690.0250	
					PAVEMENT	DOWEL	SAWING	
					REPAIR			
					OVERNIGHT	BARS	CONCRETE	
MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS
90	275	EB	RIGHT	6	9.33	16	34	
90	375	EB	RIGHT	6	9.33	16	34	
90	540	EB	RIGHT	6	9.33	16	34	
90	590	EB	RIGHT	6	9.33	16	34	
90	980	EB	RIGHT	6	9.33	16	34	
90	2180	EB	RIGHT	6	9.33	16	34	
90	2490	EB	RIGHT	6	9.33	16	34	
90	2580	EB	RIGHT	6	9.33	16	34	
90	2595	EB	RIGHT	6	9.33	16	34	
90	2950	EB	RIGHT	6	9.33	16	34	
90	3170	EB	RIGHT	6	9.33	16	34	
90	3185	EB	RIGHT	6	9.33	16	34	
90	4200	EB	RIGHT	6	9.33	16	34	
90	4275	EB	RIGHT	6	9.33	16	34	
MILE 91								
91	461	EB	RIGHT	6	9.33	16	34	
91	1000	EB	RIGHT	6	9.33	16	34	
91	1290	EB	LEFT	6	8.00	16	30	
91	1350	EB	RIGHT	6	9.33	16	34	
91	1350	EB	LEFT	6	8.00	16	30	
91	1450	EB	RIGHT	6	9.33	16	34	
91	2538	EB	RIGHT	6	9.33	16	34	
91	2538	EB	LEFT	6	8.00	16	30	
91	3140	EB	RIGHT	6	9.33	16	34	
91	4153	EB	RIGHT	15	23.33	16	43	
91	4183	EB	RIGHT	15	23.33	16	43	
91	4460	EB	LEFT	6	8.00	16	30	
91	4657	EB	RIGHT	15	23.33	16	43	
91	4725	EB	RIGHT	6	9.33	16	34	
MILE 92								
92	320	EB	RIGHT	6	9.33	16	34	
92	850	EB	RIGHT	6	9.33	16	34	
92	1030	EB	LEFT	6	8.00	16	30	
92	1380	EB	RIGHT	6	9.33	16	34	
92	1430	EB	RIGHT	6	9.33	16	34	
92	1480	EB	RIGHT	6	9.33	16	34	
92	1620	EB	LEFT	6	8.00	16	30	
92	1700	EB	RIGHT	6	9.33	16	34	
92	1880	EB	RIGHT	6	9.33	16	34	
92	1960	EB	RIGHT	6	9.33	16	34	
92	2170	EB	RIGHT	6	9.33	16	34	
92	2664	EB	LEFT	6	8.00	16	30	
92	3670	EB	LEFT	6	8.00	16	30	
92	4050	EB	RIGHT	6	9.33	16	34	
92	4230	EB	RIGHT	6	9.33	16	34	
92	4500	EB	RIGHT	6	9.33	16	34	
SUBTOTAL=					442.00	704	1491	

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED

					SPV.0180.01	416.0620			
					CONCRETE	DRILLED	690.0250		
					PAVEMENT	DOWEL	SAWING		
					REPAIR				
					OVERNIGHT	BARS	CONCRETE		
MILE	MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS
MILE 93									
93	218		EB	RIGHT	6	9.33	16	34	
93	475		EB	RIGHT	6	9.33	16	34	
93	500		EB	LEFT	6	8.00	16	30	
93	820		EB	RIGHT	6	9.33	16	34	
93	1030		EB	RIGHT	6	9.33	16	34	
93	1265		EB	RIGHT	6	9.33	16	34	
93	1450		EB	RIGHT	6	9.33	16	34	
93	1450		EB	LEFT	6	8.00	16	30	
93	1690		EB	LEFT	6	8.00	16	30	
93	1715		EB	LEFT	6	8.00	16	30	
93	2180		EB	RIGHT	6	9.33	16	34	
93	3231		EB	RIGHT	10	15.56	16	38	
93	3330		EB	LEFT	6	8.00	16	30	
93	3350		EB	LEFT	6	8.00	16	30	
93	3375		EB	RIGHT	6	9.33	16	34	
93	3820		EB	LEFT	6	8.00	16	30	
93	4175		EB	RIGHT	6	9.33	16	34	
93	4375		EB	LEFT	6	8.00	16	30	
93	4480		EB	LEFT	8	10.67	16	32	
93	4850		EB	LEFT	6	8.00	16	30	
93	4920		EB	LEFT	6	8.00	16	30	
93	4940		EB	LEFT	6	8.00	16	30	
93	5020		EB	LEFT	6	8.00	16	30	
93	5036		EB	LEFT	6	8.00	16	30	
MILE 94									
94	106		EB	RIGHT	6	9.33	16	34	
94	460		EB	RIGHT	6	9.33	16	34	
94	730		EB	RIGHT	6	9.33	16	34	
94	1175		EB	LEFT	6	8.00	16	30	
94	1300		EB	LEFT	6	8.00	16	30	
94	1350		EB	RIGHT	6	9.33	16	34	
94	1875		EB	LEFT	6	8.00	16	30	
94	2450		EB	LEFT	6	8.00	16	30	
94	2450		EB	RIGHT	6	9.33	16	34	
94	2720		EB	LEFT	6	8.00	16	30	
94	2960		EB	LEFT	6	8.00	16	30	
94	2975		EB	RIGHT	6	9.33	16	34	
94	3720		EB	RIGHT	6	9.33	16	34	
94	4050		EB	RIGHT	6	9.33	16	34	
94	4880		EB	RIGHT	6	9.33	16	34	
MILE 95									
95	660		EB	LEFT	6	8.00	16	30	
95	825		EB	RIGHT	8	12.44	16	36	
95	825		EB	LEFT	8	10.67	16	32	
95	1300		EB	RIGHT	6	9.33	16	34	
95	1560		EB	RIGHT	6	9.33	16	34	
95	2535		EB	RIGHT	6	9.33	16	34	
95	2740		EB	RIGHT	6	9.33	16	34	
95	3475		EB	RIGHT	6	9.33	16	34	
SUBTOTAL =						424.00	752	1520	

PROJECT NO: 1016-00-62

HWY: IH 90

COUNTY: JUNEAU, SAUK, COLUMBIA

MISCELLANEOUS QUANTITIES

SHEET NO:

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CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED										
MILE	MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SPV.0180.01	416.0620		REMARKS	
						CONCRETE	DRILLED	690.0250		
						PAVEMENT	DOWEL	SAWING		
						REPAIR				
						OVERNIGHT	BARS	CONCRETE		
						SY	EACH	LF		
95		3860	EB	RIGHT	6	9.33	16	34		
95		3875	EB	RIGHT	6	9.33	16	34		
95		4130	EB	RIGHT	6	9.33	16	34		
95		5450	EB	RIGHT	6	9.33	16	34		
95		4640	EB	RIGHT	6	9.33	16	34		
95		4760	EB	RIGHT	6	9.33	16	34		
95		4925	EB	RIGHT	6	9.33	16	34		
MILE 96										
96		1040	EB	LEFT	6	8.00	16	30		
96		1100	EB	RIGHT	6	9.33	16	34		
96		1475	EB	RIGHT	6	9.33	16	34		
96		1645	EB	RIGHT	6	9.33	16	34		
96		2200	EB	RIGHT	6	9.33	16	34		
96		2345	EB	RIGHT	6	9.33	16	34		
96		2380	EB	RIGHT	6	9.33	16	34		
96		2490	EB	RIGHT	6	9.33	16	34		
96		2660	EB	RIGHT	6	9.33	16	34		
96		2675	EB	RIGHT	6	9.33	16	34		
96		2660	EB	RIGHT	6	9.33	16	34		
96		2780	EB	RIGHT	6	9.33	16	34		
96		2840	EB	RIGHT	6	9.33	16	34		
96		3040	EB	RIGHT	6	9.33	16	34		
96		3065	EB	RIGHT	6	9.33	16	34		
96		3225	EB	RIGHT	6	9.33	16	34		
96		3595	EB	RIGHT	6	9.33	16	34		
96		3875	EB	RIGHT	6	9.33	16	34		
96		4800	EB	RIGHT	6	9.33	16	34		
MILE 97										
97		315	EB	RIGHT	6	9.33	16	34		
97		735	EB	RIGHT	6	9.33	16	34		
97		750	EB	RIGHT	6	9.33	16	34		
97		940	EB	RIGHT	6	9.33	16	34		
97		940	EB	LEFT	6	8.00	16	30		
97		1025	EB	RIGHT	6	9.33	16	34		
97		1040	EB	LEFT	6	8.00	16	30		
97		1150	EB	RIGHT	6	9.33	16	34		
97		1495	EB	RIGHT	8	12.44	16	36		
97		1700	EB	LEFT	6	8.00	16	30		
97		1715	EB	LEFT	6	8.00	16	30		
97		1775	EB	RIGHT	6	9.33	16	34		
97		1815	EB	RIGHT	6	9.33	16	34		
97		2045	EB	RIGHT	6	9.33	16	34		
97		2140	EB	RIGHT	6	9.33	16	34		
97		2915	EB	RIGHT	6	9.33	16	34		
97		3220	EB	RIGHT	6	9.33	16	34		
97		3480	EB	RIGHT	6	9.33	16	34		
SUBTOTAL=						407.11	704	1478		

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED									
MILE	MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SPV.0180.01	416.0620	690.0250	REMARKS
						CONCRETE	DRILLED	SAWING	
						PAVEMENT	DOWEL		
						REPAIR			
						OVERNIGHT	BARS	CONCRETE	
						SY	EACH	LF	
MILE 98									
98	160	EB	LEFT	6	8.00	16	30		
98	210	EB	LEFT	6	8.00	16	30		
98	388	EB	RIGHT	6	9.33	16	34		
98	440	EB	LEFT	6	8.00	16	30		
98	860	EB	RIGHT	6	9.33	16	34		
98	1035	EB	RIGHT	6	9.33	16	34		
98	1080	EB	RIGHT	6	9.33	16	34		
98	1090	EB	LEFT	6	8.00	16	30		
98	1150	EB	RIGHT	6	9.33	16	34		
98	1150	EB	LEFT	6	8.00	16	30		
98	1230	EB	RIGHT	6	9.33	16	34		
98	1245	EB	RIGHT	6	9.33	16	34		
98	1470	EB	RIGHT	6	9.33	16	34		
98	1926	EB	RIGHT	15	23.33	16	43		
98	1970	EB	LEFT	6	8.00	16	30		
98	2125	EB	RIGHT	6	9.33	16	34		
98	2175	EB	RIGHT	6	9.33	16	34		
98	2300	EB	RIGHT	6	9.33	16	34		
98	2410	EB	RIGHT	6	9.33	16	34		
98	2575	EB	RIGHT	8	12.44	16	36		
98	2730	EB	RIGHT	6	9.33	16	34		
98	2960	EB	RIGHT	6	9.33	16	34		
98	3290	EB	RIGHT	6	9.33	16	34		
98	3665	EB	RIGHT	6	9.33	16	34		
98	4625	EB	RIGHT	6	9.33	16	34		
MILE 99									
99	1700	EB	RIGHT	6	9.33	16	34		
99	1720	EB	RIGHT	6	9.33	16	34		
99	1760	EB	LEFT	6	8.00	16	30		
99	2230	EB	LEFT	6	8.00	16	30		
99	2303	EB	RIGHT	6	9.33	16	34		
99	2560	EB	RIGHT	6	9.33	16	34		
99	2670	EB	RIGHT	6	9.33	16	34		
99	3180	EB	RIGHT	6	9.33	16	34		
99	3180	EB	LEFT	6	8.00	16	30		
99	3275	EB	RIGHT	6	9.33	16	34		
99	3370	EB	RIGHT	6	9.33	16	34		
99	3415	EB	RIGHT	6	9.33	16	34		
99	3615	EB	RIGHT	8	12.44	16	36		
99	3700	EB	RIGHT	6	9.33	16	34		
99	4350	EB	RIGHT	6	9.33	16	34		
MILE 100									
100	435	EB	LEFT	8	10.67	16	32		
100	925	EB	LEFT	6	8.00	16	30		
100	1190	EB	LEFT	6	8.00	16	30		
100	1425	EB	LEFT	6	8.00	16	30		
100	1435	EB	LEFT	6	8.00	16	30		
100	1625	EB	LEFT	6	8.00	16	30		
100	2650	EB	RIGHT	6	9.33	16	34		
100	2950	EB	RIGHT	6	9.33	16	34		
100	3100	EB	RIGHT	6	9.33	16	34		
100	4030	EB	RIGHT	6	9.33	16	34		
100	4650	EB	RIGHT	6	9.33	16	34		
100	5020	EB	RIGHT	6	9.33	16	34		
SUBTOTAL=					488.22	832	1723		

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED									CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED										
				SPV.0180.01		416.0620						SPV.0180.01		416.0620					
				CONCRETE		DRILLED						CONCRETE		DRILLED					
				PAVEMENT		DOWEL						PAVEMENT		DOWEL					
				REPAIR								REPAIR							
				OVERNIGHT		BARS						OVERNIGHT		BARS					
MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS	MILE MARKER	MINUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS		
MILE 101									106	1951	WB	LEFT	6	8.00	16	30	MILE 105		
101	292	EB	RIGHT	6	9.33	16	34		106	2409	WB	RIGHT	6	9.33	16	34			
101	1140	EB	RIGHT	6	9.33	16	34		106	2459	WB	RIGHT	6	9.33	16	34			
101	1820	EB	RIGHT	6	9.33	16	34		106	2664	WB	RIGHT	6	9.33	16	34			
101	2280	EB	RIGHT	6	9.33	16	34		106	2679	WB	LEFT	6	8.00	16	30			
101	3150	EB	RIGHT	6	9.33	16	34		106	2994	WB	LEFT	6	8.00	16	30			
101	3660	EB	RIGHT	6	9.33	16	34		106	3444	WB	RIGHT	6	9.33	16	34			
101	4370	EB	RIGHT	6	9.33	16	34		106	3494	WB	LEFT	6	8.00	16	30			
101	4550	EB	LEFT	6	8.00	16	30		106	3517	WB	LEFT	6	8.00	16	30			
MILE 102									106	3799	WB	LEFT	6	8.00	16	30			
102	1850	EB	RIGHT	6	9.33	16	34		106	4006	WB	LEFT	6	8.00	16	30			
102	2160	EB	RIGHT	6	9.33	16	34		106	4006	WB	LEFT	6	8.00	16	30			
102	3300	EB	RIGHT	6	9.33	16	34		106	4232	WB	RIGHT	6	9.33	16	34			
102	4463	EB	RIGHT	6	9.33	16	34		106	4315	WB	RIGHT	6	9.33	16	34			
102	4840	EB	LEFT	6	8.00	16	30		106	4315	WB	RIGHT	6	9.33	16	34			
102	4854	EB	RIGHT	6	9.33	16	34		106	4469	WB	RIGHT	6	9.33	16	34			
102	4890	EB	RIGHT	6	9.33	16	34		106	4469	WB	RIGHT	6	9.33	16	34			
102	4950	EB	RIGHT	10	15.56	16	38		106	4524	WB	LEFT	6	8.00	16	30			
MILE 103									106	4574	WB	RIGHT	6	9.33	16	34			
103	460	EB	RIGHT	6	9.33	16	34		105	280	WB	LEFT	6	8.00	16	30			
103	780	EB	RIGHT	6	9.33	16	34		105	300	WB	RIGHT	6	9.33	16	34			
103	2390	EB	LEFT	6	8.00	16	30		105	360	WB	RIGHT	6	9.33	16	34			
103	2460	EB	LEFT	6	8.00	16	30		105	725	WB	RIGHT	6	9.33	16	34			
103	4940	EB	RIGHT	10	15.56	16	38		105	810	WB	LEFT	6	8.00	16	30			
MILE 104									105	810	WB	LEFT	6	8.00	16	30			
104	2120	EB	RIGHT	6	9.33	16	34		105	1050	WB	RIGHT	6	9.33	16	34			
104	2700	EB	RIGHT	6	9.33	16	34		105	1050	WB	RIGHT	6	9.33	16	34			
104	2820	EB	RIGHT	8	12.44	16	36		105	1090	WB	RIGHT	6	9.33	16	34			
104	3390	EB	LEFT	6	8.00	16	30		105	1210	WB	LEFT	6	8.00	16	30			
104	3510	EB	LEFT	6	8.00	16	30		105	1284	WB	RIGHT	6	9.33	16	34			
104	3960	EB	RIGHT	6	9.33	16	34		105	1284	WB	RIGHT	6	9.33	16	34			
104	4080	EB	RIGHT	6	9.33	16	34		105	1630	WB	RIGHT	6	9.33	16	34			
104	4450	EB	LEFT	6	8.00	16	30		105	1860	WB	RIGHT	6	9.33	16	34			
104	4500	EB	RIGHT	6	9.33	16	34		105	1860	WB	RIGHT	6	9.33	16	34			
104	4530	EB	LEFT	6	8.00	16	30		105	1880	WB	LEFT	6	8.00	16	30			
104	4630	EB	LEFT	6	8.00	16	30		105	2000	WB	RIGHT	6	9.33	16	34			
104	4800	EB	RIGHT	6	9.33	16	34		105	2065	WB	RIGHT	6	9.33	16	34			
104	4830	EB	RIGHT	6	9.33	16	34		105	2065	WB	RIGHT	6	9.33	16	34			
MILE 105									105	2080	WB	LEFT	6	8.00	16	30			
105	66	EB	RIGHT	6	9.33	16	34		105	2535	WB	RIGHT	6	9.33	16	34			
105	170	EB	RIGHT	6	9.33	16	34		105	2790	WB	RIGHT	6	9.33	16	34			
105	170	EB	LEFT	6	8.00	16	30		105	2790	WB	RIGHT	6	9.33	16	34			
105	530	EB	LEFT	8	10.67	16	32		105	2830	WB	RIGHT	6	9.33	16	34			
105	890	EB	LEFT	6	8.00	16	30		105	2830	WB	RIGHT	6	9.33	16	34			
105	1100	EB	RIGHT	6	9.33	16	34		105	2860	WB	RIGHT	6	9.33	16	34			
105	1240	EB	LEFT	6	8.00	16	30		105	2860	WB	RIGHT	6	9.33	16	34			
105	1770	EB	RIGHT	6	9.33	16	34		105	3000	WB	RIGHT	6	9.33	16	34			
105	1850	EB	LEFT	6	8.00	16	30		105	3125	WB	RIGHT	6	9.33	16	34			
105	1930	EB	RIGHT	6	9.33	16	34		105	3320	WB	RIGHT	6	9.33	16	34			
105	2250	EB	RIGHT	6	9.33	16	34		105	3620	WB	LEFT	6	8.00	16	30			
105	2530	EB	RIGHT	6	9.33	16	34		105	3620	WB	LEFT	6	8.00	16	30			
105	2580	EB	RIGHT	6	9.33	16	34		105	3680	WB	LEFT	6	8.00	16	30			
105	2700	EB	RIGHT	6	9.33	16	34		105	3760	WB	RIGHT	6	9.33	16	34			
SUBTOTAL=									105	3790	WB	RIGHT	6	9.33	16	34			
									105	3900	WB	RIGHT	6	9.33	16	34			
									105	3930	WB	RIGHT	6	9.33	16	34			
									105	4315	WB	RIGHT	6	9.33	16	34			
									105	4330	WB	RIGHT	6	9.33	16	34			
									105	4450	WB	LEFT	6	8.00	16	30			
									SUBTOTAL=										
									417.33 752 1534										

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CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED									CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED												
					SPV.0180.01	416.0620									SPV.0180.01	416.0620					
					CONCRETE	DRILLED									CONCRETE	DRILLED					
					PAVEMENT	DOWEL									PAVEMENT	DOWEL					
					REPAIR										REPAIR						
					OVERNIGHT	BARS	CONCRETE									OVERNIGHT	BARS	CONCRETE			
MILE MARKER	MINUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS	MILE MARKER	MINUS LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS				
MILE 104									102	2770	WB	RIGHT	10	15.56	16	38					
104	1717	WB	RIGHT	6	9.33	16	34		102	3000	WB	RIGHT	6	9.33	16	34					
104	1820	WB	RIGHT	6	9.33	16	34		102	3015	WB	LEFT	6	8.00	16	30					
104	1970	WB	LEFT	6	8.00	16	30		102	3250	WB	RIGHT	6	9.33	16	34					
104	3130	WB	RIGHT	6	9.33	16	34		102	3540	WB	LEFT	6	8.00	16	30					
104	3380	WB	RIGHT	6	9.33	16	34		102	3630	WB	LEFT	6	8.00	16	30					
104	3820	WB	LEFT	6	8.00	16	30		102	3870	WB	RIGHT	6	9.33	16	34					
104	4360	WB	RIGHT	6	9.33	16	34		102	4430	WB	RIGHT	6	9.33	16	34					
104	4380	WB	RIGHT	6	9.33	16	34										MILE 101				
104	4470	WB	RIGHT	6	9.33	16	34														
104	4730	WB	RIGHT	6	9.33	16	34		101	2880	WB	RIGHT	6	9.33	16	34					
MILE 103									101	3480	WB	RIGHT	6	9.33	16	34					
103	210	WB	RIGHT	6	9.33	16	34		101	3480	WB	LEFT	6	8.00	16	30					
103	255	WB	LEFT	6	8.00	16	30		101	3620	WB	RIGHT	6	9.33	16	34					
103	447	WB	RIGHT	6	9.33	16	34		101	3710	WB	LEFT	6	8.00	16	30					
103	540	WB	RIGHT	6	9.33	16	34		101	3820	WB	RIGHT	6	9.33	16	34					
103	1235	WB	LEFT	6	8.00	16	30		101	3820	WB	LEFT	6	8.00	16	30					
103	1610	WB	RIGHT	6	9.33	16	34		101	3880	WB	RIGHT	6	9.33	16	34					
103	1880	WB	RIGHT	6	9.33	16	34		101	3970	WB	LEFT	6	8.00	16	30					
103	2210	WB	RIGHT	6	9.33	16	34		101	4020	WB	RIGHT	6	9.33	16	34					
103	2400	WB	RIGHT	6	9.33	16	34		101	4150	WB	RIGHT	6	9.33	16	34					
103	2840	WB	RIGHT	6	9.33	16	34		101	4500	WB	RIGHT	6	9.33	16	34					
103	2900	WB	RIGHT	6	9.33	16	34		101	4810	WB	LEFT	6	8.00	16	30					
103	2920	WB	RIGHT	6	9.33	16	34		101	5010	WB	RIGHT	6	9.33	16	34					
103	3025	WB	RIGHT	6	9.33	16	34										MILE 100				
103	3110	WB	LEFT	8	10.67	16	32														
103	3660	WB	RIGHT	6	9.33	16	34		100	240	WB	LEFT	6	8.00	16	30					
103	4040	WB	RIGHT	6	9.33	16	34		100	1050	WB	LEFT	6	8.00	16	30					
103	4510	WB	RIGHT	6	9.33	16	34		100	1260	WB	RIGHT	6	9.33	16	34					
103	4550	WB	RIGHT	6	9.33	16	34		100	1330	WB	RIGHT	6	9.33	16	34					
103	4980	WB	RIGHT	6	9.33	16	34		100	1425	WB	LEFT	6	8.00	16	30					
103	5185	WB	LEFT	6	8.00	16	30		100	1800	WB	RIGHT	6	9.33	16	34					
MILE 102									100	1950	WB	RIGHT	6	9.33	16	34					
102	225	WB	RIGHT	6	9.33	16	34		100	2015	WB	RIGHT	6	9.33	16	34					
102	310	WB	RIGHT	6	9.33	16	34		100	2290	WB	RIGHT	6	9.33	16	34					
102	325	WB	RIGHT	6	9.33	16	34		100	2300	WB	RIGHT	6	9.33	16	34					
102	400	WB	LEFT	6	8.00	16	30		100	2330	WB	RIGHT	6	9.33	16	34					
102	470	WB	RIGHT	6	9.33	16	34		100	2350	WB	RIGHT	6	9.33	16	34					
102	485	WB	RIGHT	6	9.33	16	34		100	2690	WB	LEFT	6	8.00	16	30					
102	500	WB	RIGHT	6	9.33	16	34		100	2890	WB	RIGHT	6	9.33	16	34					
102	680	WB	RIGHT	6	9.33	16	34		100	2915	WB	RIGHT	6	9.33	16	34					
102	880	WB	RIGHT	6	9.33	16	34		100	2940	WB	LEFT	6	8.00	16	30					
102	1050	WB	RIGHT	6	9.33	16	34		100	2990	WB	RIGHT	6	9.33	16	34					
102	1150	WB	RIGHT	6	9.33	16	34		100	3000	WB	RIGHT	6	9.33	16	34					
102	1175	WB	RIGHT	6	9.33	16	34		100	3015	WB	LEFT	6	8.00	16	30					
102	1490	WB	RIGHT	6	9.33	16	34		100	3460	WB	RIGHT	6	9.33	16	34					
102	1520	WB	LEFT	6	8.00	16	30		100	370	WB	RIGHT	6	9.33	16	34					
102	1690	WB	RIGHT	6	9.33	16	34		100	3900	WB	RIGHT	6	9.33	16	34					
102	2600	WB	RIGHT	6	9.33	16	34		100	4030	WB	RIGHT	6	9.33	16	34					
102	2650	WB	LEFT	6	8.00	16	30		100	4460	WB	LEFT	6	8.00	16	30					
SUBTOTAL=					429.33	752	1564		100	4840	WB	RIGHT	6	9.33	16	34					
								SUBTOTAL=					424.89	752	1542						
PROJECT NO: 1016-00-62					HWY: IH 90				COUNTY: JUNEAU, SAUK, COLUMBIA				MISCELLANEOUS QUANTITIES				SHEET NO:		E		

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED										
						SPV.0180.01	416.0620			
						CONCRETE	DRILLED	690.0250		
						PAVEMENT	DOWEL	SAWING		
						REPAIR				
						OVERNIGHT	BARS	CONCRETE		
MILE	MARKER	MINUS	LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS
										MILE 99
99		180		WB	RIGHT	6	9.33	16	34	
99		320		WB	RIGHT	6	9.33	16	34	
99		550		WB	RIGHT	6	9.33	16	34	
99		1180		WB	RIGHT	6	9.33	16	34	
99		1430		WB	RIGHT	6	9.33	16	34	
99		2218		WB	RIGHT	6	9.33	16	34	
99		2250		WB	RIGHT	6	9.33	16	34	
99		2515		WB	LEFT	6	8.00	16	30	
99		3170		WB	LEFT	6	8.00	16	30	
99		3770		WB	RIGHT	6	9.33	16	34	
99		3860		WB	LEFT	6	8.00	16	30	
99		4830		WB	LEFT	6	8.00	16	30	
99		5120		WB	RIGHT	6	9.33	16	34	
99		5208		WB	RIGHT	6	9.33	16	34	
99		5250		WB	RIGHT	6	9.33	16	34	
										MILE 98
98		150		WB	RIGHT	6	9.33	16	34	
98		560		WB	RIGHT	6	9.33	16	34	
98		1010		WB	RIGHT	6	9.33	16	34	
98		1040		WB	RIGHT	6	9.33	16	34	
98		1100		WB	RIGHT	6	9.33	16	34	
98		1350		WB	RIGHT	6	9.33	16	34	
98		1440		WB	RIGHT	6	9.33	16	34	
98		1480		WB	RIGHT	6	9.33	16	34	
98		2230		WB	RIGHT	6	9.33	16	34	
98		2630		WB	RIGHT	6	9.33	16	34	
98		2870		WB	RIGHT	6	9.33	16	34	
98		2980		WB	RIGHT	6	9.33	16	34	
98		3700		WB	RIGHT	6	9.33	16	34	
98		4090		WB	RIGHT	6	9.33	16	34	
98		4460		WB	RIGHT	6	9.33	16	34	
98		4650		WB	RIGHT	6	9.33	16	34	
										MILE 97
97		8		WB	LEFT	6	8.00	16	30	
97		220		WB	RIGHT	6	9.33	16	34	
97		870		WB	LEFT	6	8.00	16	30	
97		1290		WB	RIGHT	6	9.33	16	34	
97		1370		WB	RIGHT	6	9.33	16	34	
97		1440		WB	RIGHT	6	9.33	16	34	
97		1640		WB	RIGHT	6	9.33	16	34	
97		2060		WB	LEFT	6	8.00	16	30	
97		2300		WB	RIGHT	6	9.33	16	34	
97		2515		WB	RIGHT	6	9.33	16	34	
97		3250		WB	LEFT	6	8.00	16	30	
97		3330		WB	RIGHT	6	9.33	16	34	
97		4550		WB	LEFT	6	8.00	16	30	
										MILE 96
96		710		WB	RIGHT	6	9.33	16	34	
96		1120		WB	RIGHT	6	9.33	16	34	
96		1200		WB	RIGHT	6	9.33	16	34	
96		3410		WB	RIGHT	6	9.33	16	34	
96		3460		WB	LEFT	6	8.00	16	30	
96		4240		WB	RIGHT	6	9.33	16	34	

SUBTOTAL= 433.33 800 1600

PROJECT NO: 1016-00-62

HWY: IH 90

COUNTY: JUNEAU, SAUK, COLUMBIA

MISCELLANEOUS QUANTITIES

SHEET NO:

E

FILE NAME : _____

PLOT DATE : _____

PLOT BY : _____

PLOT NAME : _____

ORG DATE : _____

ORIGINATOR : DIST _

PLOT SCALE : 1:1

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED										
						SPV.0180.01	416.0620			
						CONCRETE	DRILLED	690.0250		
						PAVEMENT	DOWEL	SAWING		
						REPAIR				
						OVERNIGHT	BARS	CONCRETE		
MILE	MARKER	MINUS	LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS
										MILE 95
95		260		WB	RIGHT	6	9.33	16	34	
95		430		WB	RIGHT	6	9.33	16	34	
95		1030		WB	RIGHT	6	9.33	16	34	
95		2140		WB	RIGHT	6	9.33	16	34	
95		2810		WB	LEFT	6	8.00	16	30	
95		3410		WB	RIGHT	6	9.33	16	34	
95		3860		WB	RIGHT	6	9.33	16	34	
95		4360		WB	RIGHT	6	9.33	16	34	
95		4940		WB	RIGHT	6	9.33	16	34	
95		5090		WB	LEFT	6	8.00	16	30	
										MILE 94
94		600		WB	RIGHT	6	9.33	16	34	
94		2040		WB	RIGHT	6	9.33	16	34	
94		2310		WB	RIGHT	6	9.33	16	34	
94		2310		WB	LEFT	6	8.00	16	30	
94		2540		WB	LEFT	6	8.00	16	30	
94		2880		WB	LEFT	6	8.00	16	30	
94		2960		WB	RIGHT	6	9.33	16	34	
94		3080		WB	RIGHT	6	9.33	16	34	
94		3950		WB	RIGHT	8	12.44	16	36	
94		4040		WB	RIGHT	6	9.33	16	34	
94		4060		WB	RIGHT	6	9.33	16	34	
94		4390		WB	LEFT	6	8.00	16	30	
94		4700		WB	LEFT	6	8.00	16	30	
94		4730		WB	LEFT	6	8.00	16	30	
94		4830		WB	RIGHT	6	9.33	16	34	
94		4950		WB	LEFT	8	10.67	16	32	
										MILE 93
93		80		WB	RIGHT	6	9.33	16	34	
93		480		WB	RIGHT	6	9.33	16	34	
93		500		WB	RIGHT	6	9.33	16	34	
93		570		WB	RIGHT	6	9.33	16	34	
93		620		WB	RIGHT	6	9.33	16	34	
93		670		WB	RIGHT	6	9.33	16	34	
93		2950		WB	RIGHT	6	9.33	16	34	
93		3080		WB	RIGHT	6	9.33	16	34	
93		3900		WB	RIGHT	6	9.33	16	34	
93		4500		WB	LEFT	6	8.00	16	30	
93		4590		WB	RIGHT	6	9.33	16	34	
93		4940		WB	LEFT	6	8.00	16	30	
93		5000		WB	LEFT	6	8.00	16	30	
										MILE 92
92		1225		WB	RIGHT	6	9.33	16	34	
92		1275		WB	RIGHT	6	9.33	16	34	
92		1400		WB	RIGHT	6	9.33	16	34	
92		1400		WB	LEFT	6	8.00	16	30	
92		1680		WB	RIGHT	6	9.33	16	34	
92		1780		WB	LEFT	6	8.00	16	30	
92		2420		WB	LEFT	6	8.00	16	30	
92		2590		WB	RIGHT	6	9.33	16	34	

SUBTOTAL= 424.44 732 1342

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED

						SPV.0180.01	416.0620		
						CONCRETE PAVEMENT REPAIR OVERNIGHT	DRILLED DOWEL	690.0250 SAWING	
MILE	MARKER	MINUS LF	STAGE	LOCATION	LENGTH	SY	BARS EACH	CONCRETE LF	REMARKS
									MILE 86
86	1425	WB	LEFT	6	8.00	16	30		
86	2050	WB	LEFT	6	8.00	16	30		
86	2615	WB	RIGHT	6	9.33	16	34		
86	3490	WB	LEFT	6	8.00	16	30		
86	4060	WB	LEFT	6	8.00	16	30		
86	4160	WB	RIGHT	6	9.33	16	34		
86	4190	WB	LEFT	6	8.00	16	30		
86	4360	WB	LEFT	6	8.00	16	30		
86	4430	WB	RIGHT	6	9.33	16	34		
									MILE 85
85	1290	WB	LEFT	6	8.00	16	30		
85	1520	WB	LEFT	6	8.00	16	30		
85	1730	WB	LEFT	6	8.00	16	30		
85	1770	WB	RIGHT	6	9.33	16	34		
85	1800	WB	RIGHT	6	9.33	16	34		
85	2040	WB	RIGHT	6	9.33	16	34		
85	2060	WB	RIGHT	6	9.33	16	34		
85	2580	WB	LEFT	6	8.00	16	30		
85	2660	WB	RIGHT	6	9.33	16	34		
85	2860	WB	LEFT	6	8.00	16	30		
85	3020	WB	RIGHT	6	9.33	16	34		
85	4070	WB	LEFT	6	8.00	16	30		
85	4570	WB	RIGHT	6	9.33	16	34		
85	4630	WB	LEFT	6	8.00	16	30		
85	4645	WB	LEFT	6	8.00	16	30		
85	4730	WB	RIGHT	6	9.33	16	34		
85	5050	WB	LEFT	6	8.00	16	30		
									MILE 84
84	930	WB	LEFT	6	8.00	16	30		
84	1025	WB	LEFT	6	8.00	16	30		
84	1390	WB	RIGHT	6	9.33	16	34		
84	1650	WB	RIGHT	6	9.33	16	34		
84	2325	WB	LEFT	6	8.00	16	30		
84	4150	WB	LEFT	6	8.00	16	30		
84	4830	WB	RIGHT	6	9.33	16	34		
									MILE 83
83	330	WB	LEFT	6	8.00	16	30		
83	750	WB	RIGHT	6	9.33	16	34		
83	750	WB	LEFT	6	8.00	16	30		
83	1240	WB	RIGHT	6	9.33	16	34		
83	2240	WB	RIGHT	8	12.44	16	36		
83	3780	WB	LEFT	6	8.00	16	30		
83	4850	WB	RIGHT	6	9.33	16	34		
									MILE 82
82	475	WB	RIGHT	6	9.33	16	34		
82	550	WB	LEFT	6	8.00	16	30		
82	1100	WB	LEFT	6	8.00	16	30		
82	2050	WB	LEFT	6	8.00	16	30		
82	2140	WB	RIGHT	6	9.33	16	34		
82	3800	WB	LEFT	6	8.00	16	30		
82	3880	WB	LEFT	6	8.00	16	30		
82	4600	WB	RIGHT	6	9.33	16	34		

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED

MILE	MARKER	MINUS LF	STAGE	LOCATION	LENGTH	SPV.0180.01	416.0620	690.0250	REMARKS
						CONCRETE PAVEMENT REPAIR OVERNIGHT SY	DRILLED DOWEL BARS EACH	SAWING CONCRETE LF	
	73	3120	WB	LEFT	6	8.00	16	30	
	73	3208	WB	RIGHT	6	9.33	16	34	
	73	3838	WB	LEFT	6	8.00	16	30	
	73	4095	WB	RIGHT	6	9.33	16	34	
	73	4214	WB	LEFT	6	8.00	16	30	
	73	4860	WB	LEFT	6	8.00	16	30	
	73	4930	WB	RIGHT	6	9.33	16	34	
	73	4954	WB	RIGHT	6	9.33	16	34	
									MILE 72
	72	20	WB	LEFT	6	8.00	16	30	
	72	442	WB	RIGHT	6	9.33	16	34	
	72	505	WB	RIGHT	10	15.56	16	38	
	72	525	WB	LEFT	6	8.00	16	30	
	72	1022	WB	LEFT	6	8.00	16	30	
	72	1246	WB	RIGHT	8	12.44	16	36	
	72	1246	WB	LEFT	8	10.67	16	32	
	72	1375	WB	RIGHT	6	9.33	16	34	
	72	1980	WB	LEFT	6	8.00	16	30	
	72	2146	WB	LEFT	6	8.00	16	30	
	72	2450	WB	RIGHT	6	9.33	16	34	
	72	2537	WB	RIGHT	6	9.33	16	34	
	72	3141	WB	RIGHT	6	9.33	16	34	
	72	3529	WB	RIGHT	6	9.33	16	34	
	72	3761	WB	RIGHT	6	9.33	16	34	
	72	4729	WB	RIGHT	6	9.33	16	34	
	72	4895	WB	RIGHT	6	9.33	16	34	
									MILE 71
	71	282	WB	RIGHT	6	9.33	16	34	
	71	391	WB	RIGHT	6	9.33	16	34	
	71	701	WB	LEFT	6	8.00	16	30	
	71	734	WB	RIGHT	6	9.33	16	34	
	71	812	WB	RIGHT	6	9.33	16	34	
	71	1010	WB	LEFT	6	8.00	16	30	
	71	1066	WB	RIGHT	6	9.33	16	34	
	71	1201	WB	LEFT	6	8.00	16	30	
	71	1813	WB	LEFT	6	8.00	16	30	
	71	2013	WB	RIGHT	6	9.33	16	34	
	71	2046	WB	LEFT	6	8.00	16	30	
	71	2084	WB	LEFT	6	8.00	16	30	
	71	2227	WB	LEFT	8	10.67	16	32	
	71	2318	WB	RIGHT	6	9.33	16	34	
	71	2450	WB	RIGHT	6	9.33	16	34	
	71	2504	WB	LEFT	6	8.00	16	30	
	71	2652	WB	RIGHT	6	9.33	16	34	
	71	2688	WB	RIGHT	6	9.33	16	34	
	71	3176	WB	LEFT	6	8.00	16	30	
	71	3244	WB	LEFT	6	8.00	16	30	
	71	3875	WB	RIGHT	6	9.33	16	34	
	71	3969	WB	RIGHT	6	9.33	16	34	
SUBTOTAL=						426.67	752	1528	

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CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED

						SPV.0180.01	416.0620			
						CONCRETE	DRILLED	690.0250		
						PAVEMENT	DOWEL	SAWING		
						REPAIR				
						OVERNIGHT	BARS	CONCRETE		
MILE	MARKER	MINUS	LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS
68		2330		WB	RIGHT	6	9.33	16	34	
68		2440		WB	RIGHT	6	9.33	16	34	
68		2455		WB	RIGHT	8	12.44	16	36	
68		2470		WB	RIGHT	6	9.33	16	34	
68		2630		WB	LEFT	6	8.00	16	30	
68		2645		WB	LEFT	6	8.00	16	30	
68		2830		WB	LEFT	6	8.00	16	30	
68		3455		WB	LEFT	6	8.00	16	30	
68		3525		WB	RIGHT	6	9.33	16	34	
68		3560		WB	LEFT	6	8.00	16	30	
68		3800		WB	LEFT	6	8.00	16	30	
68		4315		WB	LEFT	6	8.00	16	30	
68		4444		WB	LEFT	6	8.00	16	30	
68		4630		WB	RIGHT	6	9.33	16	34	
68		4680		WB	RIGHT	6	9.33	16	34	
68		4850		WB	RIGHT	8	12.44	16	36	
MILE 67										
67		55		WB	RIGHT	6	9.33	16	34	
67		125		WB	RIGHT	6	9.33	16	34	
67		280		WB	RIGHT	6	9.33	16	34	
67		410		WB	LEFT	6	8.00	16	30	
67		700		WB	LEFT	6	8.00	16	30	
67		730		WB	LEFT	6	8.00	16	30	
67		860		WB	RIGHT	6	9.33	16	34	
67		1075		WB	LEFT	6	8.00	16	30	
67		1150		WB	LEFT	6	8.00	16	30	
67		1725		WB	LEFT	6	8.00	16	30	
67		2075		WB	LEFT	6	8.00	16	30	
67		2130		WB	LEFT	6	8.00	16	30	
67		2200		WB	LEFT	6	8.00	16	30	
67		2460		WB	LEFT	6	8.00	16	30	
67		2720		WB	RIGHT	6	9.33	16	34	
67		3200		WB	RIGHT	6	9.33	16	34	
67		3290		WB	LEFT	8	10.67	16	32	
67		3750		WB	RIGHT	6	9.33	16	34	
67		3920		WB	RIGHT	6	9.33	16	34	
67		3960		WB	RIGHT	6	9.33	16	34	
67		3980		WB	RIGHT	6	9.33	16	34	
67		4110		WB	LEFT	6	8.00	16	30	
67		4160		WB	LEFT	6	8.00	16	30	
67		4260		WB	RIGHT	6	9.33	16	34	
67		4420		WB	LEFT	6	8.00	16	30	
67		4650		WB	RIGHT	6	9.33	16	34	
MILE 66										
66		75		WB	LEFT	6	8.00	16	30	
66		115		WB	RIGHT	6	9.33	16	34	
66		545		WB	RIGHT	6	9.33	16	34	
66		565		WB	RIGHT	6	9.33	16	34	
66		620		WB	LEFT	6	8.00	16	30	
66		1715		WB	LEFT	6	8.00	16	30	
66		1730		WB	RIGHT	6	9.33	16	34	
66		1750		WB	RIGHT	6	9.33	16	34	
66		2415		WB	RIGHT	6	9.33	16	34	
SUBTOTAL=						451.56	816	1640		

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CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED									
		SPV.0180.01		416.0620		690.0250			
		CONCRETE		DRILLED		PAVEMENT		SAWING	
		REPAIR		DOWEL		REPAIR			
		OVERNIGHT		BARS		CONCRETE			
MILE	MARKER	MINUS	LF	STAGE	LOCATION	LENGTH	SY	EACH	LF
66		2708		WB	RIGHT	6	9.33	16	34
66		2766		WB	RIGHT	8	12.44	16	36
66		2830		WB	RIGHT	6	9.33	16	34
66		3300		WB	RIGHT	6	9.33	16	34
66		3350		WB	RIGHT	6	9.33	16	34
66		3365		WB	RIGHT	6	9.33	16	34
66		3650		WB	RIGHT	6	9.33	16	34
66		3680		WB	LEFT	6	8.00	16	30
66		3050		WB	LEFT	6	8.00	16	30
66		4030		WB	LEFT	6	8.00	16	30
66		4080		WB	LEFT	6	8.00	16	30
66		4540		WB	RIGHT	6	9.33	16	34
66		4560		WB	RIGHT	6	9.33	16	34
66		4770		WB	RIGHT	6	9.33	16	34
66		4990		WB	RIGHT	6	9.33	16	34
MILE 65									
65		60		WB	RIGHT	6	9.33	16	34
65		395		WB	RIGHT	6	9.33	16	34
65		480		WB	RIGHT	6	9.33	16	34
65		540		WB	LEFT	6	8.00	16	30
65		790		WB	RIGHT	6	9.33	16	34
65		830		WB	LEFT	6	8.00	16	30
65		1030		WB	RIGHT	6	9.33	16	34
65		1165		WB	LEFT	6	8.00	16	30
65		1490		WB	RIGHT	6	9.33	16	34
65		1600		WB	RIGHT	6	9.33	16	34
65		2215		WB	RIGHT	6	9.33	16	34
65		2660		WB	LEFT	6	8.00	16	30
65		2890		WB	RIGHT	6	9.33	16	34
65		2990		WB	RIGHT	6	9.33	16	34
65		3315		WB	LEFT	6	8.00	16	30
65		3665		WB	RIGHT	6	9.33	16	34
65		2705		WB	LEFT	10	13.33	16	34
65		3850		WB	RIGHT	6	9.33	16	34
65		3875		WB	RIGHT	6	9.33	16	34
65		3890		WB	RIGHT	6	9.33	16	34
65		3960		WB	RIGHT	6	9.33	16	34
65		3970		WB	LEFT	6	8.00	16	30
65		4025		WB	LEFT	6	8.00	16	30
65		4590		WB	RIGHT	8	12.44	16	36
65		4860		WB	RIGHT	6	9.33	16	34
65		4980		WB	LEFT	6	8.00	16	30
MILE 64									
64		899		WB	RIGHT	6	9.33	16	34
64		1110		WB	RIGHT	6	9.33	16	34
64		1130		WB	LEFT	6	8.00	16	30
64		1170		WB	RIGHT	6	9.33	16	34
64		1610		WB	RIGHT	6	9.33	16	34
64		1645		WB	LEFT	6	8.00	16	30
64		1765		WB	RIGHT	6	9.33	16	34
64		1996		WB	LEFT	6	8.00	16	30
		SUBTOTAL=		447.56		784		1610	

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED									
		SPV.0180.01		416.0620		690.0250			
		CONCRETE		DRILLED		PAVEMENT		SAWING	
		REPAIR		DOWEL		REPAIR			
		OVERNIGHT		BARS		CONCRETE			
MILE	MARKER	MINUS	LF	STAGE	LOCATION	LENGTH	SY	EACH	LF
64		2060		WB	RIGHT	6	9.33	16	34
64		2115		WB	LEFT	6	8.00	16	30
64		2700		WB	LEFT	6	8.00	16	30
64		3818		WB	LEFT	6	8.00	16	30
64		3630		WB	RIGHT	6	9.33	16	34
64		3866		WB	LEFT	6	8.00	16	30
64		4400		WB	RIGHT	6	9.33	16	34
64		4430		WB	RIGHT	6	9.33	16	34
64		4875		WB	RIGHT	6	9.33	16	34
MILE 63									
63		5		WB	LEFT	6	8.00	16	30
63		35		WB	RIGHT	6	9.33	16	34
63		315		WB	LEFT	6	8.00	16	30
63		330		WB	RIGHT	6	9.33	16	34
63		600		WB	RIGHT	6	9.33	16	34
63		690		WB	LEFT	6	8.00	16	30
63		770		WB	RIGHT	6	9.33	16	34
63		790		WB	RIGHT	6	9.33	16	34
63		1415		WB	RIGHT	6	9.33	16	34
63		1670		WB	RIGHT	6	9.33	16	34
63		1730		WB	LEFT	6	8.00	16	30
63		1860		WB	RIGHT	6	9.33	16	34
63		2115		WB	LEFT	6	8.00	16	30
63		2280		WB	RIGHT	6	9.33	16	34
63		2510		WB	LEFT	6	8.00	16	30
63		2675		WB	RIGHT	6	9.33	16	34
63		2750		WB	RIGHT	6	9.33	16	34
63		2850		WB	LEFT	6	8.00	16	30
63		3100		WB	RIGHT	6	9.33	16	34
63		3170		WB	LEFT	6	8.00	16	30
63		3230		WB	RIGHT	6	9.33	16	34
63		3230		WB	LEFT	6	8.00	16	30
63		3280		WB	LEFT	6	8.00	16	30
63		3590		WB	LEFT	6	8.00	16	30
63		3680		WB	RIGHT	6	9.33	16	34
63		4220		WB	LEFT	6	8.00	16	30
63		4550		WB	LEFT	6	8.00	16	30
63		4715		WB	RIGHT	6	9.33	16	34
MILE 62									
62		745		WB	RIGHT	6	9.33	16	34
62		780		WB	LEFT	6	8.00	16	30
62		1020		WB	RIGHT	6	9.33	16	34
62		1120		WB	RIGHT	6	9.33	16	34
62		1160		WB	LEFT	6	8.00	16	30
62		1370		WB	LEFT	6	8.00	16	30
62		1590		WB	LEFT	6	8.00	16	30
62		3430		WB	RIGHT	6	9.33	16	34
62		3540		WB	LEFT	6	8.00	16	30
62		3630		WB	LEFT	6	8.00	16	30
62		3710		WB	LEFT	6	8.00	16	30
62		4110		WB	RIGHT	6	9.33	16	34
62		4480		WB	LEFT	6	8.00	16	30
		SUBTOTAL=		433.33		800		1600	

3

3

CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED										CONCRETE PAVEMENT REPAIR SUMMARY CONTINUED																			
		SPV.0180.01		416.0620		690.0250						SPV.0180.01		416.0620*		690.0250*													
		CONCRETE		DRILLED		SAWING						CONCRETE		DRILLED		SAWING													
		PAVEMENT		DOWEL								PAVEMENT		DOWEL															
		REPAIR										REPAIR																	
		OVERNIGHT		BARS		CONCRETE						OVERNIGHT		BARS		CONCRETE													
MILE	MARKER	MINUS	LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS	MILE	MARKER	MINUS	LF	STAGE	LOCATION	LENGTH	SY	EACH	LF	REMARKS								
										MILE 61											MILE 58								
61	570		WB		LEFT	6	8.00	16	30		58	90		WB		RIGHT	6	9.33	16	34									
61	2170		WB		LEFT	6	8.00	16	30		58	160		WB		RIGHT	6	9.33	16	34									
61	3500		WB		LEFT	6	8.00	16	30		58	200		WB		RIGHT	6	9.33	16	34									
61	3705		WB		RIGHT	6	9.33	16	34		58	480		WB		RIGHT	6	9.33	16	34									
61	3780		WB		LEFT	6	8.00	16	30		58	680		WB		RIGHT	6	9.33	16	34									
61	4240		WB		LEFT	6	8.00	16	30		58	850		WB		LEFT	6	8.00	16	30									
										MILE 60	58	1020		WB		LEFT	6	8.00	16	30									
60	80		WB		RIGHT	6	9.33	16	34		58	1470		WB		RIGHT	6	9.33	16	34									
60	325		WB		RIGHT	6	9.33	16	34		58	1610		WB		RIGHT	6	9.33	16	34									
60	475		WB		RIGHT	6	9.33	16	34		58	1720		WB		RIGHT	6	9.33	16	34									
60	1975		WB		RIGHT	6	9.33	16	34		58	1720		WB		LEFT	6	8.00	16	30									
60	2050		WB		LEFT	6	8.00	16	30		58	1845		WB		RIGHT	6	9.33	16	34									
60	3110		WB		RIGHT	6	9.33	16	34		58	2115		WB		RIGHT	6	9.33	16	34									
60	3250		WB		RIGHT	6	9.33	16	34		58	2360		WB		RIGHT	6	9.33	16	34									
60	3450		WB		LEFT	6	8.00	16	30		58	3240		WB		RIGHT	8	12.44	16	36									
60	3590		WB		LEFT	6	8.00	16	30		58	3415		WB		LEFT	6	8.00	16	30									
60	3680		WB		RIGHT	6	9.33	16	34		58	3720		WB		LEFT	6	8.00	16	30									
60	3700		WB		LEFT	6	8.00	16	30		58	3870		WB		RIGHT	6	9.33	16	34									
60	3900		WB		RIGHT	6	9.33	16	34		58	4190		WB		RIGHT	6	9.33	16	34									
60	3019		WB		LEFT	6	8.00	16	30		58	4205		WB		RIGHT	6	9.33	16	34									
60	4710		WB		LEFT	6	8.00	16	30		58	4280		WB		RIGHT	6	9.33	16	34									
60	4936		WB		LEFT	6	8.00	16	30		58	4340		WB		RIGHT	6	9.33	16	34									
										MILE 59	58	4740		WB		LEFT	6	8.00	16	30									
59	35		WB		RIGHT	6	9.33	16	34		58	4940		WB		RIGHT	6	9.33	16	34									
59	260		WB		RIGHT	6	9.33	16	34		58	5150		WB		RIGHT	6	9.33	16	34									
59	275		WB		RIGHT	6	9.33	16	34												MILE 57								
59	350		WB		RIGHT	6	9.33	16	34		57	160		WB		RIGHT	6	9.33	16	34									
59	615		WB		LEFT	6	8.00	16	30		57	1230		WB		RIGHT	6	9.33	16	34									
59	650		WB		RIGHT	6	9.33	16	34		57	1540		WB		RIGHT	6	9.33	16	34									
59	930		WB		RIGHT	6	9.33	16	34		57	2150		WB		LEFT	6	8.00	16	30									
59	1150		WB		RIGHT	6	9.33	16	34		57	2600		WB		RIGHT	6	9.33	16	34									
59	1230		WB		RIGHT	6	9.33	16	34		57	3540		WB		RIGHT	8	12.44	16	36									
59	1290		WB		LEFT	6	8.00	16	30		57	4050		WB		RIGHT	6	9.33	16	34									
59	1340		WB		RIGHT	6	9.33	16	34												MILE 56								
59	1660		WB		LEFT	6	8.00	16	30		56	40		WB		RIGHT	6	9.33	16	34									
59	1730		WB		LEFT	6	8.00	16	30		56	90		WB		RIGHT	6	9.33	16	34									
59	2080		WB		LEFT	6	8.00	16	30		56	180		WB		LEFT	6	8.00	16	30									
59	2310		WB		LEFT	6	8.00	16	30		56	260		WB		RIGHT	6	9.33	16	34									
59	2500		WB		RIGHT	6	9.33	16	34				SUBTOTAL=		331.56		576		1196										
59	2500		WB		LEFT	6	8.00	16	30																				
59	2750		WB		LEFT	6	8.00	16	30				UNDISTRIBUTED		EB		6656.00		12288		24576		UNDISTRIBUTED, ASSUMED 6' PATCH LENGTH						
59	2910		WB		RIGHT	6	9.33	16	34				UNDISTRIBUTED		WB		6162		11376		22752		UNDISTRIBUTED, ASSUMED 6' PATCH LENGTH						
59	2910		WB		LEFT	6	8.00	16	30				SUBTOTAL=		12,818.00		23,664		47,328										
59	3630		WB		LEFT	6	8.00	16	30																				
59	3815		WB		RIGHT	6	9.33	16	34																				
59	4260		WB		LEFT	6	8.00	16	30																				
59	4370		WB		LEFT	6	8.00	16	30																				
59	4670		WB		LEFT	6	8.00	16	30				TOTAL=		26,154.89		47,168		95,266										
		SUBTOTAL=		396.00		736		1464																					
										*NOTE: ADDITIONAL QUANTITIES FOR SAWING CONCRETE BID ITEM AND DRILLED DOWEL BARS BID ITEM ARE LOCATED ELSEWHERE.																			

PATCH SUMMARY									
STATION	TO	STATION	LOCATION	NUM. OF PATCHES	STATION	TO	STATION	LOCATION	NUM. OF PATCHES
MILE MARKER 55		MILE MARKER 60	EB; RIGHT LANE	82	MILE MARKER 106		MILE MARKER 103	WB; RIGHT LANE	55
MILE MARKER 55		MILE MARKER 60	EB; LEFT LANE	41	MILE MARKER 106		MILE MARKER 103	WB; LEFT LANE	22
MILE MARKER 60		MILE MARKER 65	EB; RIGHT LANE	77	MILE MARKER 103		MILE MARKER 100	WB; RIGHT LANE	46
MILE MARKER 60		MILE MARKER 65	EB; LEFT LANE	64	MILE MARKER 103		MILE MARKER 100	WB; LEFT LANE	18
MILE MARKER 65		MILE MARKER 70	EB; RIGHT LANE	67	MILE MARKER 100		MILE MARKER 95	WB; RIGHT LANE	48
MILE MARKER 65		MILE MARKER 70	EB; LEFT LANE	54	MILE MARKER 100		MILE MARKER 95	WB; LEFT LANE	12
MILE MARKER 70		MILE MARKER 73	EB; RIGHT LANE	18	MILE MARKER 95		MILE MARKER 90	WB; RIGHT LANE	41
MILE MARKER 70		MILE MARKER 73	EB; LEFT LANE	17	MILE MARKER 95		MILE MARKER 90	WB; LEFT LANE	17
MILE MARKER 77		MILE MARKER 82	EB; RIGHT LANE	16	MILE MARKER 90		MILE MARKER 85	WB; RIGHT LANE	16
MILE MARKER 77		MILE MARKER 82	EB; LEFT LANE	17	MILE MARKER 90		MILE MARKER 85	WB; LEFT LANE	24
MILE MARKER 82		MILE MARKER 85	EB; RIGHT LANE	13	MILE MARKER 85		MILE MARKER 80	WB; RIGHT LANE	18
MILE MARKER 82		MILE MARKER 85	EB; LEFT LANE	14	MILE MARKER 85		MILE MARKER 80	WB; LEFT LANE	22
MILE MARKER 85		MILE MARKER 90	EB; RIGHT LANE	31	MILE MARKER 80		MILE MARKER 77	WB; RIGHT LANE	16
MILE MARKER 85		MILE MARKER 90	EB; LEFT LANE	18	MILE MARKER 80		MILE MARKER 77	WB; LEFT LANE	19
MILE MARKER 90		MILE MARKER 95	EB; RIGHT LANE	58	MILE MARKER 73		MILE MARKER 70	WB; RIGHT LANE	33
MILE MARKER 90		MILE MARKER 95	EB; LEFT LANE	28	MILE MARKER 73		MILE MARKER 70	WB; LEFT LANE	24
MILE MARKER 95		MILE MARKER 100	EB; RIGHT LANE	76	MILE MARKER 70		MILE MARKER 65	WB; RIGHT LANE	63
MILE MARKER 95		MILE MARKER 100	EB; LEFT LANE	16	MILE MARKER 70		MILE MARKER 65	WB; LEFT LANE	51
MILE MARKER 100		MILE MARKER 103	EB; RIGHT LANE	20	MILE MARKER 65		MILE MARKER 60	WB; RIGHT LANE	48
MILE MARKER 100		MILE MARKER 103	EB; LEFT LANE	8	MILE MARKER 65		MILE MARKER 60	WB; LEFT LANE	42
MILE MARKER 103		MILE MARKER 106	EB; RIGHT LANE	20	MILE MARKER 60		MILE MARKER 55	WB; RIGHT LANE	48
MILE MARKER 103		MILE MARKER 106	EB; LEFT LANE	12	MILE MARKER 60		MILE MARKER 55	WB; LEFT LANE	28
EB TOTAL=				767	WB TOTAL=				711

EB AND WB TOTALS REPRESENT NUMBER OF PATCHES COUNTED IN JUNE OF 2015.

CONCRETE PAVEMENT REPLACEMENT SHES

MILE MARKER	PLUS LF	STAGE	LOCATION	LENGTH	SPV.0180.02 CONCRETE PAVEMENT REPLACEMENT OVERNIGHT SY	416.0610 DRILLED TIE BARS EACH	416.0620* DRILLED DOWEL BARS EACH	690.0250* SAWING CONCRETE LF
103	1965	EB	RIGHT	60	93.33	24	80	88
103	2870	EB	RIGHT	40	62.22	16	64	68
103	4432	EB	RIGHT	40	62.22	16	64	68
UNDISTRIBUTED					155.56	40	128	128
TOTAL=					373.33	96	336	352

*NOTE: ADDITIONAL QUANTITIES FOR SAWING CONCRETE BID ITEM ARE LOCATED ELSEWHERE.

*NOTE: ADDITIONAL QUANTITIES FOR DRILLED DOWEL BARS BID ITEM ARE LOCATED ELSEWHERE.

CULVERT PIPE SUMMARY																				
Location	CURRENT Type	203.0100		520.9750.S	522.1018	524.0618	524.0118	524.0124	524.0624	522.0130	524.0630	522.1030	520.9700.S	524.0636	REMARKS					
		REMOVING	520.8000	CLEANING	APRON	ENDWALLS				APRON		CULVERT PIPE		APRON		ENDWALLS	APRON			
		SMALL	CONCRETE	FOR	PIPE	PIPE				CULVERT		CULVERT		CULVERT		APRON	ENDWALL	FOR CULVERT	CULVERT	ENDWALL
		PIPE	COLLAR	LINER	PIPE	PIPE				PIPE		PIPE		PIPE		PIPE	PIPE	PIPE	PIPE	PIPE
		CULVERTS	FOR PIPE	VERIFICATION	REINFORCED	SALVAGED	SALVAGED	SALVAGED	SALVAGED	CONCRETE	SALVAGED	CONCRETE	LINER	SALVAGED						
		EACH	EACH	EACH	18-INCH	18-INCH	18 INCH	24-INCH	24-INCH	30-INCH	30-INCH	30-INCH	30-INCH	36-INCH						
EB																				
0.25 M E of MP 56	Concrete	-	-	1	-	-	-	-	-	-	-	-	72	-	LINER, S					
0.41 M E of MP 57	Concrete	-	-	1	-	-	-	-	-	-	-	-	66	-	LINER, S					
0.545 M E of MP 57	Concrete	-	-	1	-	-	-	-	-	-	-	-	66	-	LINER, S					
0.293 M E of MP 58	Concrete	-	-	-	-	-	-	-	-	-	2	-	-	-	RELAY B					
0.654 M E of MP 58	Concrete	-	-	-	-	-	-	-	-	-	1	-	-	-	RELAY M					
0.55 M E of MP 61	Concrete	-	-	-	-	-	-	-	-	-	-	-	-	1	RELAY R					
0.82 M E of MP 61	Concrete	-	-	-	1	-	-	-	-	-	-	-	-	-	REPLACE					
0.36 M E of MP 82	Concrete	-	-	-	-	-	-	-	-	-	-	1	-	-	REPLACE					
WB																				
0.35 M W of MP 83	Metal Ext	1	1	-	-	-	-	-	-	10	-	1	-	-	REPLACE					
0.426 M W of MP 63	Concrete	-	-	-	-	1	16	-	-	-	-	-	-	-	RESET M					
0.05 M W of MP 60	Concrete	-	-	-	-	-	-	16	1	-	-	-	-	-	RESET M					
0.514 M W of MP 58	Concrete	-	-	1	-	-	-	-	-	-	-	-	70	-	LINER, S					
0.624 M W of MP 58	Concrete	-	-	1	-	-	-	-	-	-	-	-	76	-	LINER, S					
0.849 M W of MP 58	Concrete	-	-	1	-	-	-	-	-	-	-	-	110	-	LINER, S					
0.476 M W of MP 57	Concrete	-	-	-	-	-	-	-	-	-	1	-	-	-	RELAY R					
0.72 M W of MP 57	Concrete	-	-	1	-	-	-	-	-	-	-	-	76	-	LINER, S					
0.875 M W of MP 57	Concrete	-	-	1	-	-	-	-	-	-	-	-	80	-	LINER, S					
TOTAL=		1	1	8	1	1	16	16	1	10	4	2	616	1						

EROSION CONTROL SUMMARY

	628.1804	628.1520	628.1905	628.1910		628.7555	629.0210	630.0130	630.0200	606.0300	
	SILT	SILT FENCE	MOBILIZATION	MOBILIZATION		CULVERT	FERTILIZER	SEEDING	SEEDING	RIPRAP	
	FENCE	MAINTENANCE	EROSION	EROSION	627.0200	PIPE	TYPE B	MIXTURE	TEMPERARY	HEAVY	
Location	LF	LF	EACH	EACH	SY	CHECKS	CWT	NO. 30	LB	CY	REMARKS
EB Lane											
0.293 M E of MP 58	100	100	1	1	500	3	0.32	1	1.5	-	SILT FENCE AROUND AEWs, STA 397+80
0.654 M E of MP 58	50	50	-	-	250	3	0.16	0.5	0.75	-	SILT FENCE AROUND MEDIAN AEW, STA 417+15
0.55 M E of MP 61	50	50	1	1	250	-	0.16	0.5	0.75	-	SILT FENCE AROUND RIGHT AEW, STA 573+00
0.82 M E of MP 61	50	50	-	-	250	2	0.16	0.5	0.75	-	SILT FENCE AROUND RIGHT AEW, STA 587+30
0.36 M E of MP 82	50	50	1	1	250	3	0.16	0.5	0.75	-	SILT FENCE AROUND MEDIAN AEW, STA 1663+75
WB Lane											
0.35 M W of MP 83	50	50	1	1	250	-	0.16	0.5	0.75	3	SILT FENCE AROUND PIPE EXT, STA 1680+00
0.426 M W of MP 63	50	50	1	1	250	2	0.16	0.5	0.75	-	SILT FENCE AROUND MEDIAN AEW, STA 623+00
0.05 M W of MP 60	50	50	-	-	250	2	0.16	0.5	0.75	-	SILT FENCE AROUND MEDIAN AEW, STA 485+00
0.476 M W of MP 57	50	50	1	1	250	-	0.16	0.5	0.75	-	SILT FENCE AROUND RIGHT AEW, STA 305+00
UNDISTRIBUTED	100	100	1	1	500	-	0.32	1	1.50	-	
TOTAL=	600	600	7	7	3000	15	1.92	6	9	3	

GEOTEXTILE FABRIC

645.0120		
GEOTEXTILE		
FABRIC TYPE		
HR		
Location	SY	REMARKS
EB		
0.293 M E of MP 58	7.2	2 JOINTS, STA 398+00
0.654 M E of MP 58	3.6	1 JOINT STA, 417+15
0.55 M E of MP 61	4.3	1 JOINT, STA 573+00
0.82 M E of MP 61	2.3	1 JOINT, STA 587+30
0.36 M E of MP 82	3.6	1 JOINT, STA 1663+75
WB		
0.35 M W of MP 83	7.2	2 JOINTS PLUS RIPRAP, STA 1680+00
0.426 M W of MP 63	6.9	3 JOINTS, STA 623+00
0.05 M W of MP 60	9.0	3 JOINTS, STA 485+00
0.476 M W of MP 57	3.6	1 JOINT, STA 305+00
TOTAL=	47.7	

DELINEATORS

633.52		
MARKERS		
CULVERT END		
EACH		
Location		REMARKS
EB		
0.25 M E of MP 56	2	STA 291+20
0.41 M E of MP 57	2	STA 350+10
0.545 M E of MP 57	2	STA 356+75
0.293 M E of MP 58	2	STA 398+00
0.654 M E of MP 58	1	STA 417+15
0.55 M E of MP 61	1	STA 573+00
0.82 M E of MP 61	1	STA 587+30
0.36 M E of MP 82	1	STA 1663+75
WB		
0.35 M W of MP 83	1	STA 1680+00
0.426 M W of MP 63	1	STA 623+00
0.05 M W of MP 60	1	STA 485+00
0.514 M W of MP 58	2	STA 355+75
0.624 M W of MP 58	2	STA 349+75
0.849 M W of MP 58	2	STA 338+00
0.476 M W of MP 57	1	STA 305+00
0.72 M W of MP 57	2	STA 289+00
0.875 M W of MP 57	2	STA 281+00
TOTAL=	26	

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PROJECT NO: 1016-00-62	HWY: IH 90	COUNTY: JUNEAU, SAUK, COLUMBIA	MISCELLANEOUS QUANTITIES	SHEET NO:	E
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PAVEMENT MARKING EPOXY 8-INCH

646.0126
PAVEMENT
MARKING
EPOXY 8-INCH

STATION	TO	STATION	LOCATION	LF	REMARKS
NEW LISBON EXIT 61		EB	MAINLINE @ OFF RAMP	262	
NEW LISBON EXIT 61		EB	OFF RAMP	262	
NEW LISBON EXIT 61		EB	MAINLINE @ ON RAMP	674	
NEW LISBON EXIT 61		EB	ON RAMP	674	
NEW LISBON EXIT 61		WB	MAINLINE @ OFF RAMP	261	
NEW LISBON EXIT 61		WB	OFF RAMP	261	
NEW LISBON EXIT 61		WB	MAINLINE @ ON RAMP	851	
NEW LISBON EXIT 61		WB	ON RAMP	851	
MAUSTON EXIT 69		EB	MAINLINE @ OFF RAMP	293	
MAUSTON EXIT 69		EB	OFF RAMP	293	
MAUSTON EXIT 69		EB	MAINLINE @ ON RAMP	803	
MAUSTON EXIT 69		EB	ON RAMP	803	
MAUSTON EXIT 69		WB	MAINLINE @ OFF RAMP	237	
MAUSTON EXIT 69		WB	OFF RAMP	237	
MAUSTON EXIT 69		WB	MAINLINE @ ON RAMP	721	
MAUSTON EXIT 69		WB	ON RAMP	721	
MAUSTON EXIT 69		WB	ON RAMP	219	3' SKIPS
LYNDON STATION EXIT 79		EB	MAINLINE @ OFF RAMP	259	
LYNDON STATION EXIT 79		EB	OFF RAMP	259	
LYNDON STATION EXIT 79		EB	MAINLINE @ ON RAMP	826	
LYNDON STATION EXIT 79		EB	ON RAMP	826	
LYNDON STATION EXIT 79		WB	MAINLINE @ OFF RAMP	276	
LYNDON STATION EXIT 79		WB	OFF RAMP	276	
LYNDON STATION EXIT 79		WB	MAINLINE @ ON RAMP	792	
LYNDON STATION EXIT 79		WB	ON RAMP	792	
DELLS EXIT 85		EB	MAINLINE @ OFF RAMP	297	
DELLS EXIT 85		EB	OFF RAMP	318	
DELLS EXIT 85		EB	MAINLINE @ ON RAMP	342	
DELLS EXIT 85		EB	ON RAMP	342	
DELLS EXIT 85		EB	ON RAMP	69	3' SKIPS
DELLS EXIT 85		WB	MAINLINE @ OFF RAMP	281	
DELLS EXIT 85		WB	OFF RAMP	289	
DELLS EXIT 85		WB	MAINLINE @ ON RAMP	668	
DELLS EXIT 85		WB	ON RAMP	668	
SUBTOTAL=				16,003	

646.0126
PAVEMENT
MARKING
EPOXY 8-INCH

STATION	TO	STATION	LOCATION	LF	REMARKS
DELLS EXIT 87		EB	MAINLINE @ OFF RAMP	434	
DELLS EXIT 87		EB	OFF RAMP	434	
DELLS EXIT 87		EB	OFF RAMP	108	3' SKIPS
DELLS EXIT 87		EB	MAINLINE @ ON RAMP	395	
DELLS EXIT 87		EB	ON RAMP	395	
DELLS EXIT 87		WB	MAINLINE @ OFF RAMP	284	
DELLS EXIT 87		WB	OFF RAMP	284	
DELLS EXIT 87		WB	MAINLINE @ ON RAMP	509	
DELLS EXIT 87		WB	ON RAMP	250	
DELLS EXIT 87		WB	ON RAMP	69	3' SKIPS
DELLS EXIT 89		EB	MAINLINE @ OFF RAMP	225	
DELLS EXIT 89		EB	OFF RAMP	410	
DELLS EXIT 89		EB	MAINLINE @ ON RAMP	451	
DELLS EXIT 89		EB	ON RAMP	451	
DELLS EXIT 89		WB	MAINLINE @ OFF RAMP	276	
DELLS EXIT 89		WB	OFF RAMP	739	
DELLS EXIT 89		WB	MAINLINE @ ON RAMP	673	
DELLS EXIT 89		WB	ON RAMP	673	
DELLS EXIT 92		EB	MAINLINE @ OFF RAMP	437	
DELLS EXIT 92		EB	OFF RAMP	470	
DELLS EXIT 92		EB	OFF RAMP	90	3' SKIPS
DELLS EXIT 92		EB	MAINLINE @ ON RAMP	340	
DELLS EXIT 92		EB	ON RAMP	340	
DELLS EXIT 92		EB	ON RAMP (WEST)	414	3' SKIPS
DELLS EXIT 92		WB	MAINLINE @ OFF RAMP	358	
DELLS EXIT 92		WB	OFF RAMP	358	
DELLS EXIT 92		WB	MAINLINE @ ON RAMP	632	
DELLS EXIT 92		WB	ON RAMP	463	
DELLS EXIT 92		WB	ON RAMP (EAST)	411	3' SKIPS
SUBTOTAL=				11,373	
TOTAL=				27,376	

PROJECT NO: 1016-00-62

HWY: IH 90

COUNTY: JUNEAU, SAUK, COLUMBIA

MISCELLANEOUS QUANTITIES

SHEET NO:

E

FILE NAME : _____

PLOT DATE : _____

PLOT BY : _____

PLOT NAME : _____

ORG DATE : _____

ORIGINATOR : DIST _

PLOT SCALE : 1:1

TRAFFIC CONTROL SUMMARY

				643.0300	643.0715 LIGHTS	643.0900	643.0420 BARRICADES	643.0705 LIGHTS	643.0800 ARROW	643.0200 SURVEILLANCE AND MAINTENANCE	643.1050 TRAFFIC CONTROL	SPV.0045.01 PCMS REMOTE COMMUNICATIONS
STATION	TO	STATION	LOCATION	DRUMS DAY	TYPE C DAY	SIGNS DAY	TYPE 3 DAY	TYPE A DAY	BOARD DAY	DAY	DAY	DAY
EASTBOUND												
MILE MARKER 55		MILE MARKER 60	EB; RIGHT LANE	1782	102	192	120	240	12	6	24	24
MILE MARKER 55		MILE MARKER 60	EB; LEFT LANE	1485	85	160	100	200	10	5	20	20
MILE MARKER 60		MILE MARKER 65	EB; RIGHT LANE	1782	102	192	120	240	12	6	24	24
MILE MARKER 60		MILE MARKER 65	EB; LEFT LANE	1485	85	160	100	200	10	5	20	20
MILE MARKER 65		MILE MARKER 70	EB; RIGHT LANE	1782	102	192	120	240	12	6	24	24
MILE MARKER 65		MILE MARKER 70	EB; LEFT LANE	1485	85	160	100	200	10	5	20	20
MILE MARKER 70		MILE MARKER 73	EB; RIGHT LANE	384	34	48	24	48	4	2	8	8
MILE MARKER 70		MILE MARKER 73	EB; LEFT LANE	384	34	48	24	48	4	2	8	8
MILE MARKER 77		MILE MARKER 80	EB; RIGHT LANE	384	34	48	24	48	4	2	8	8
MILE MARKER 77		MILE MARKER 80	EB; LEFT LANE	384	34	48	24	48	4	2	8	8
MILE MARKER 80		MILE MARKER 85	EB; RIGHT LANE	594	34	64	40	80	4	2	8	8
MILE MARKER 80		MILE MARKER 85	EB; LEFT LANE	594	34	64	40	80	4	2	8	8
MILE MARKER 85		MILE MARKER 90	EB; RIGHT LANE	891	51	96	60	120	6	3	12	12
MILE MARKER 85		MILE MARKER 90	EB; LEFT LANE	594	34	64	40	80	4	2	8	8
MILE MARKER 90		MILE MARKER 95	EB; RIGHT LANE	1485	85	160	100	200	10	5	20	20
MILE MARKER 90		MILE MARKER 95	EB; LEFT LANE	891	51	96	60	120	6	3	12	12
MILE MARKER 95		MILE MARKER 100	EB; RIGHT LANE	1782	102	192	120	240	12	6	24	24
MILE MARKER 95		MILE MARKER 100	EB; LEFT LANE	594	34	64	40	80	4	2	8	8
MILE MARKER 100		MILE MARKER 103	EB; RIGHT LANE	384	34	48	24	48	4	2	8	8
MILE MARKER 100		MILE MARKER 103	EB; LEFT LANE	384	34	48	24	48	4	2	8	8
PAVEMENT REPLACEMENT	3 REPLACEMENTS IN THE RIGHT LINE			258	51	72	36	102	6	7	28	28
MILE MARKER 103		MILE MARKER 106	EB; RIGHT LANE	384	34	48	24	48	4	2	8	8
MILE MARKER 103		MILE MARKER 106	EB; LEFT LANE	384	34	48	24	48	4	2	8	8
SUBTOTAL=				20,556	1309	2312	1388	2806	154	81	324	324

3

TRAFFIC CONTROL SUMMARY CONTINUED

				643.0300	643.0715 LIGHTS	643.0900	643.0420 BARRICADES	643.0705 LIGHTS	643.0800 ARROW	643.0200 SURVEILLANCE AND MAINTENANCE	643.1050 TRAFFIC CONTROL	SPV.0045.01 PCMS REMOTE COMMUNICATIONS
STATION	TO	STATION	LOCATION	DRUMS DAY	TYPE C DAY	SIGNS DAY	TYPE 3 DAY	TYPE A DAY	BOARD DAY	DAY	DAY	DAY
WESTBOUND												
MILE MARKER 106		MILE MARKER 103	WB; RIGHT LANE	960	85	120	60	120	10	5	20	20
MILE MARKER 106		MILE MARKER 103	WB; LEFT LANE	576	51	72	36	72	6	3	12	12
MILE MARKER 103		MILE MARKER 100	WB; RIGHT LANE	768	68	96	48	96	8	4	16	16
MILE MARKER 103		MILE MARKER 100	WB; LEFT LANE	384	34	48	24	48	4	2	8	8
MILE MARKER 100		MILE MARKER 95	WB; RIGHT LANE	1188	68	128	80	160	8	4	16	16
MILE MARKER 100		MILE MARKER 95	WB; LEFT LANE	594	34	64	40	80	4	2	8	8
MILE MARKER 95		MILE MARKER 90	WB; RIGHT LANE	1188	68	128	80	160	8	4	16	16
MILE MARKER 95		MILE MARKER 90	WB; LEFT LANE	594	34	64	40	80	4	2	8	8
MILE MARKER 90		MILE MARKER 85	WB; RIGHT LANE	594	34	64	40	80	4	2	8	8
MILE MARKER 90		MILE MARKER 85	WB; LEFT LANE	891	51	96	60	120	6	3	12	12
MILE MARKER 85		MILE MARKER 80	WB; RIGHT LANE	594	34	64	40	80	4	2	8	8
MILE MARKER 85		MILE MARKER 80	WB; LEFT LANE	891	51	96	60	120	6	3	12	12
MILE MARKER 80		MILE MARKER 77	WB; RIGHT LANE	384	34	48	24	48	4	2	8	8
MILE MARKER 80		MILE MARKER 77	WB; LEFT LANE	384	34	48	24	48	4	2	8	8
MILE MARKER 73		MILE MARKER 70	WB; RIGHT LANE	768	68	96	48	96	8	4	16	16
MILE MARKER 73		MILE MARKER 70	WB; LEFT LANE	576	51	72	36	72	6	3	12	12
MILE MARKER 70		MILE MARKER 65	WB; RIGHT LANE	1782	102	192	120	240	12	6	24	24
MILE MARKER 70		MILE MARKER 65	WB; LEFT LANE	1485	85	160	100	200	10	5	20	20
MILE MARKER 65		MILE MARKER 60	WB; RIGHT LANE	1485	85	160	100	200	10	5	20	20
MILE MARKER 65		MILE MARKER 60	WB; LEFT LANE	1485	85	160	100	200	10	5	20	20
MILE MARKER 60		MILE MARKER 55	WB; RIGHT LANE	1485	85	160	100	200	10	5	20	20
MILE MARKER 60		MILE MARKER 55	WB; LEFT LANE	1188	68	128	80	160	8	4	16	16
SUBTOTAL=				20,244	1309	2264	1340	2680	154	77	308	308
TOTAL=				40,800	2618	4576	2728	5486	308	158	632	632

3

PROJECT NO: 1016-00-62

HWY: IH 90

COUNTY:

MISCELLANEOUS QUANTITIES

SHEET NO:

E

FILE NAME : _____

PLOT DATE : _____

PLOT BY : _____

PLOT NAME : _____

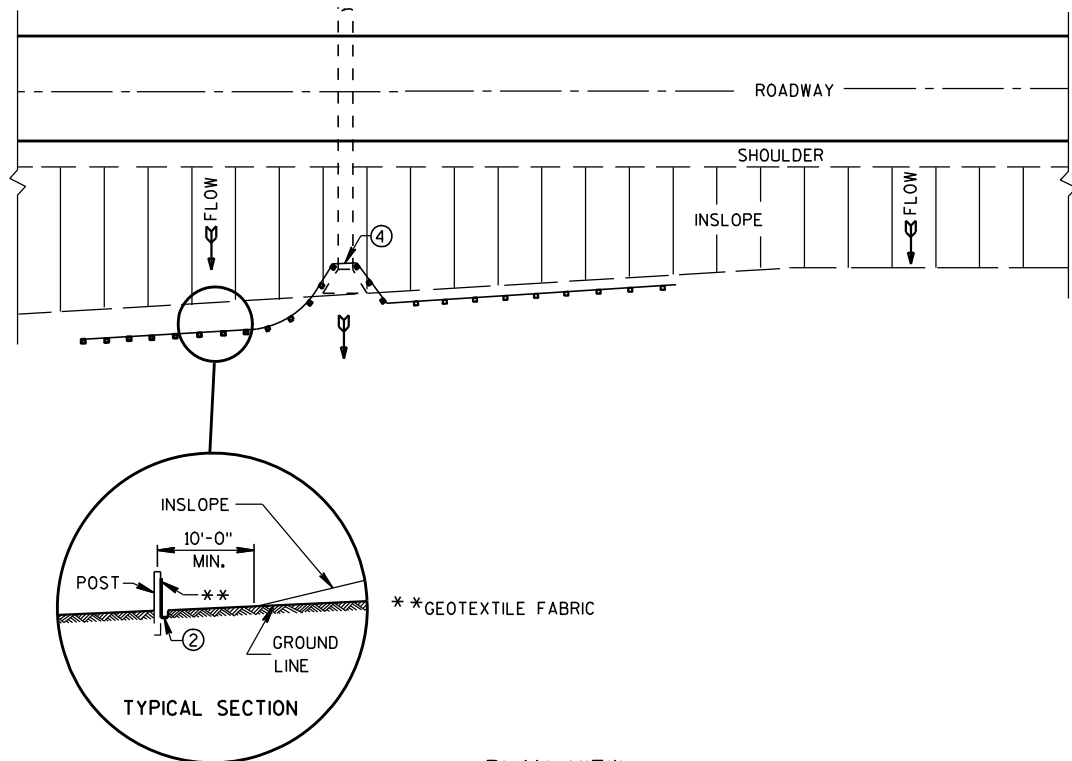
ORG DATE : _____

ORIGINATOR : DIST _

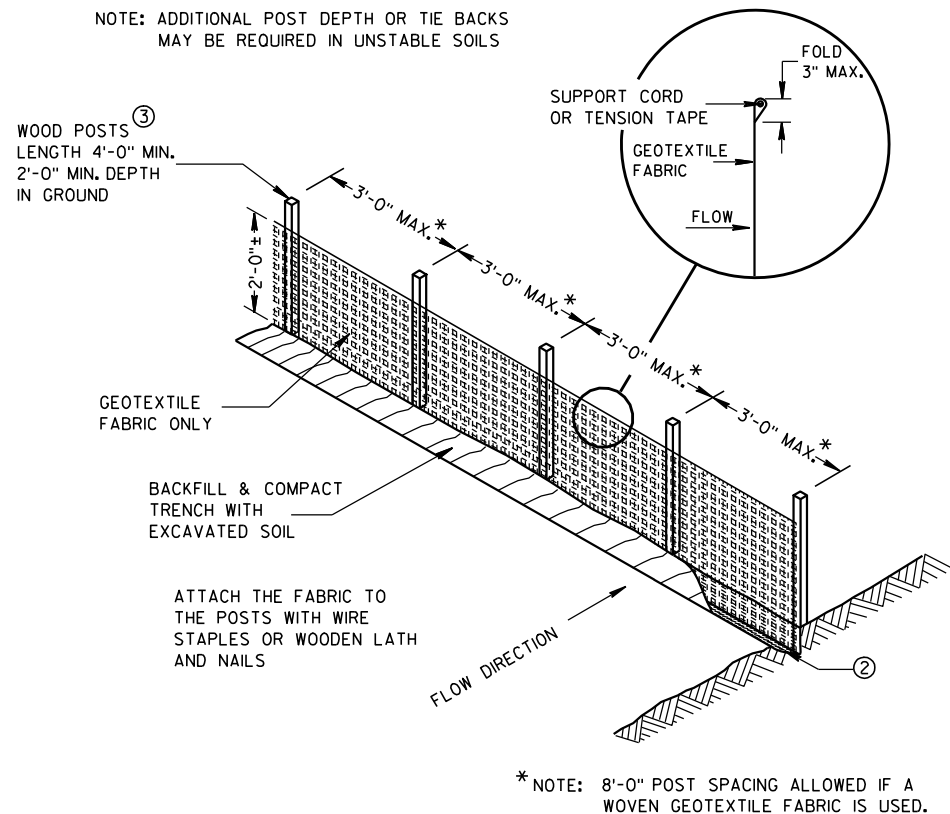
PLOT SCALE : 1:1

Standard Detail Drawing List

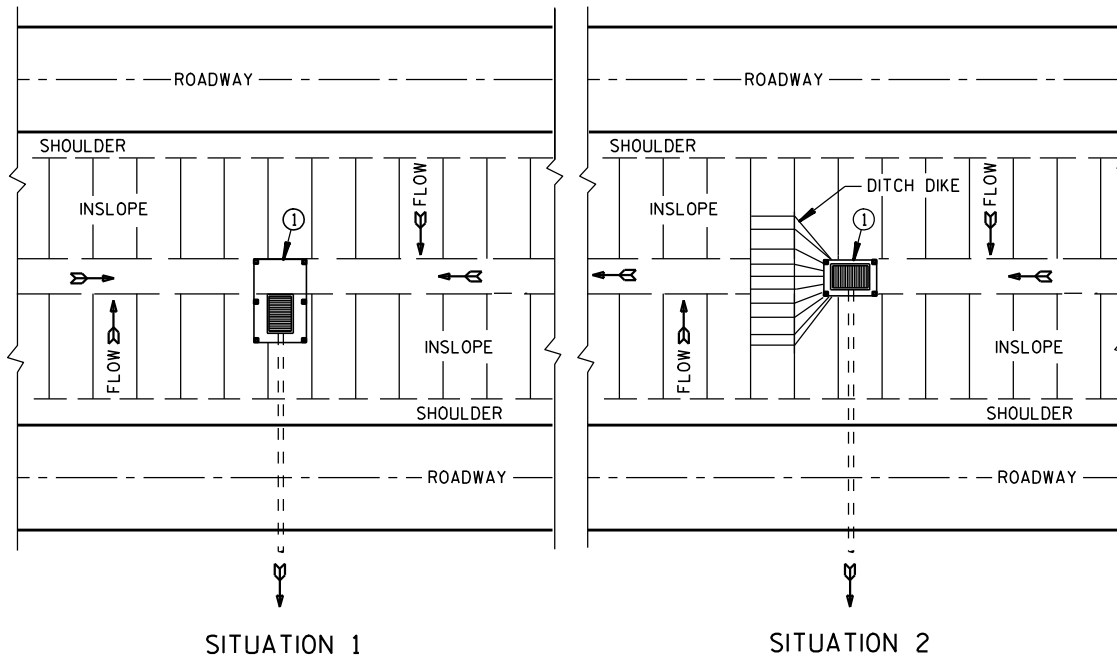
08E09-06	SILT FENCE
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
13B02-08A	CONCRETE PAVEMENT APPROACH SLAB
13C09-13A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-13B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-13C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C19-03C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D12-06B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D27-02	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH



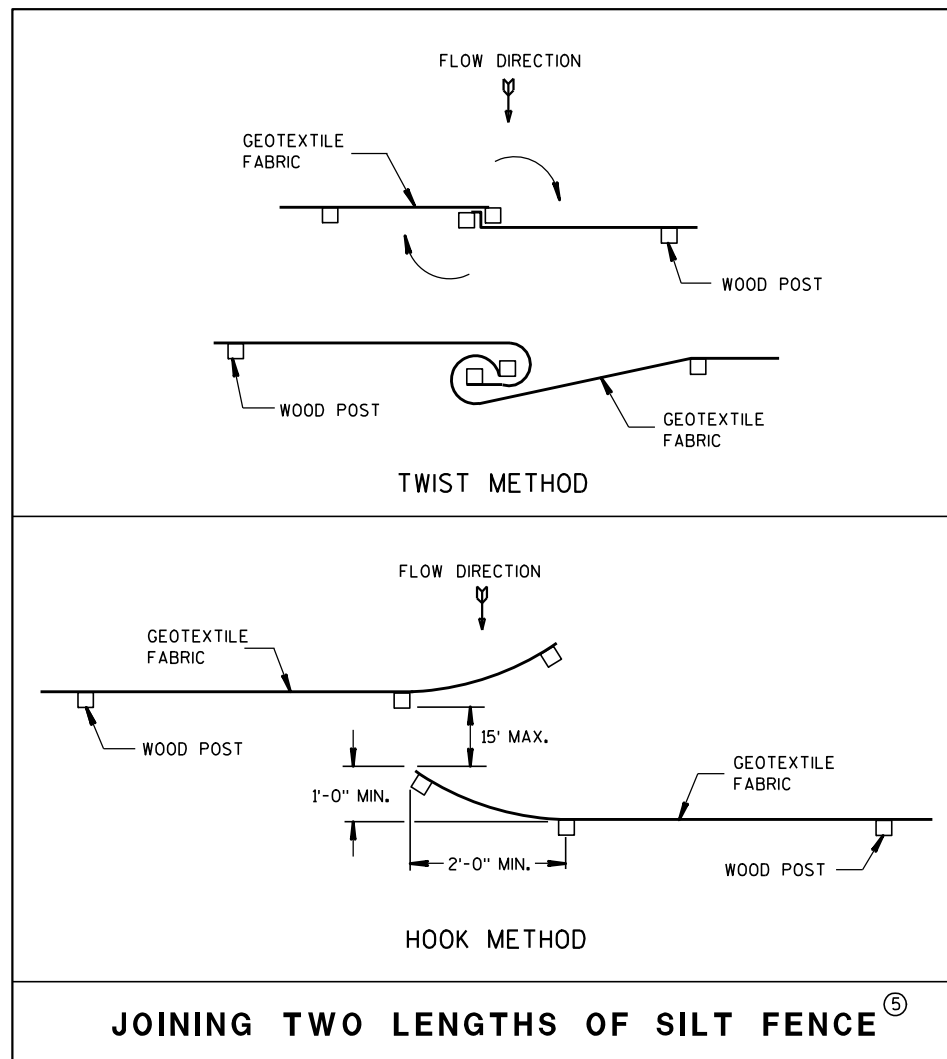
PLAN VIEW
TYPICAL APPLICATION OF SILT FENCE



SILT FENCE



PLAN VIEW
SILT FENCE AT MEDIAN SURFACE DRAINS

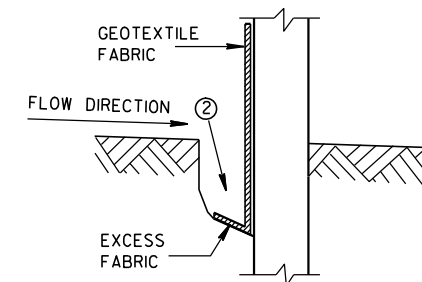


JOINING TWO LENGTHS OF SILT FENCE

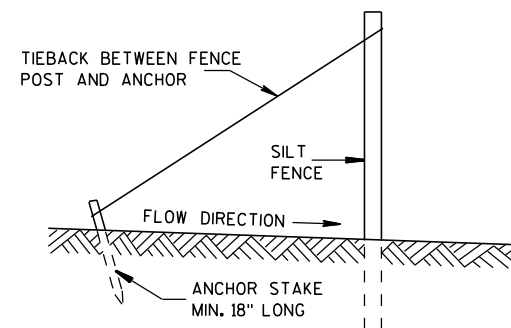
GENERAL NOTES

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

- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY.
- ④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- ⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL

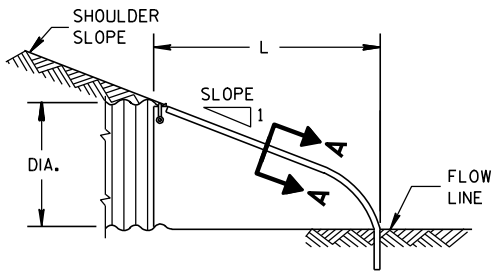
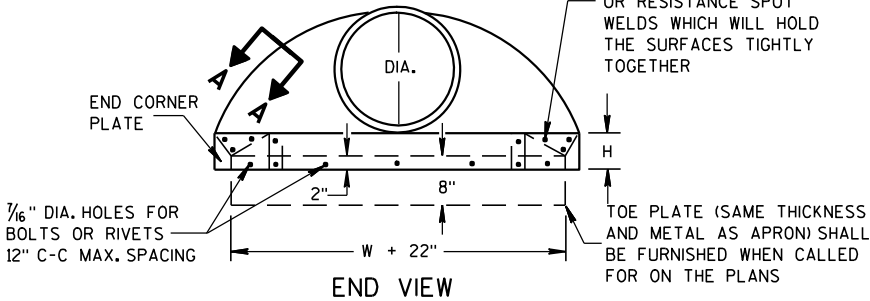
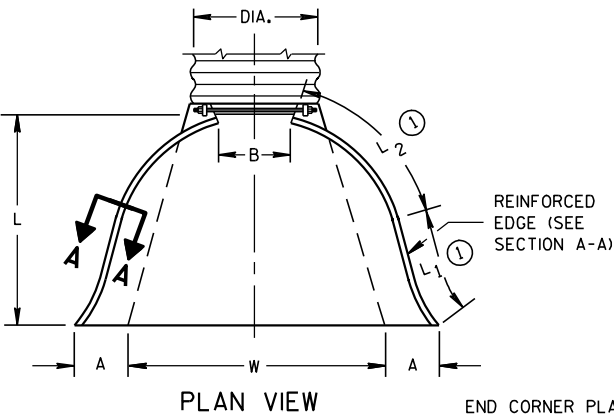


SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 4-29-05 DATE	/S/ Beth Canestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA	

METAL APRON ENDWALLS												
PIPE DIA. (IN.)	MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE		BODY
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")			
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1		1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1		1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1		1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1		1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1		1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1		1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1		2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1		2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1		3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1		3 Pc.
60	.109x	.105x	18	33	12	87	—	—	114	2 to 1		3 Pc.
66	.109x	.105x	18	36	12	87	—	—	120	2 to 1		3 Pc.
72	.109x	.105x	18	39	12	87	—	—	126	2 to 1		3 Pc.
78	.109x	.105x	18	42	12	87	—	—	132	1 1/2 to 1		3 Pc.
84	.109x	.105x	18	45	12	87	—	—	138	1 1/2 to 1		3 Pc.
90	.109x	.105x	18	37	12	87	—	—	144	1 1/2 to 1		3 Pc.
96	.109x	.105x	18	35	12	87	—	—	150	1 1/2 to 1		3 Pc.

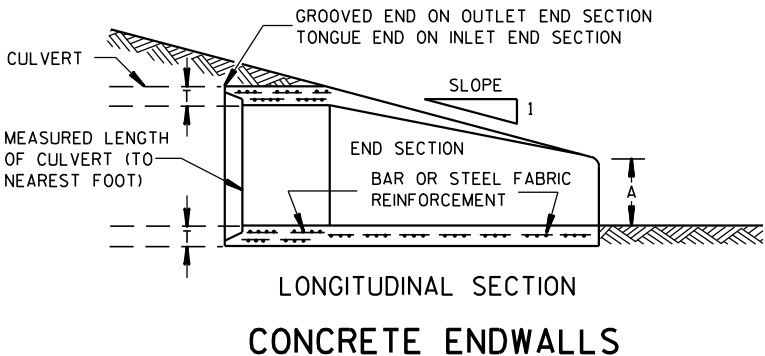
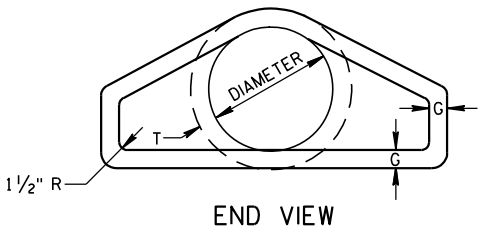
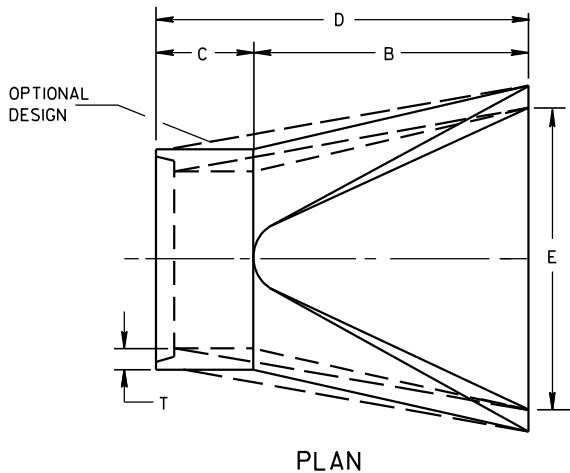
* EXCEPT CENTER PANEL
SEE GENERAL NOTES



SIDE ELEVATION
METAL ENDWALLS

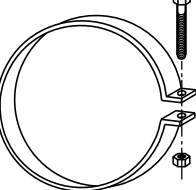
REINFORCED CONCRETE APRON ENDWALLS												
PIPE DIA. (IN.)	DIMENSIONS (Inches)							APPROX. SLOPE				
	T	A	B	C	D	E	G					
12	2	4	24	48 1/8	72 1/8	24	2	3 to 1				
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1				
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1				
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1				
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1				
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1				
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1				
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1				
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1				
48	5	24	72	26	98	84	5	3 to 1				
54	5 1/2	27	65	33 1/4-35	98 1/4-100	90	5 1/2	2 1/2 to 1				
60	6	30-35	60	39	99	96	5	2 to 1				
66	6 1/2	24-30	72-78	21-27	99	102	5 1/2	2 to 1				
72	7	24-36	78	21	99	108	6	2 to 1				
78	7 1/2	24-36	78	21	99	114	6 1/2	2 to 1				
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1				
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1				

* MINIMUM
** MAXIMUM

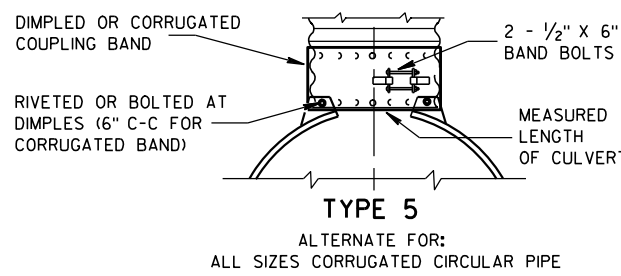
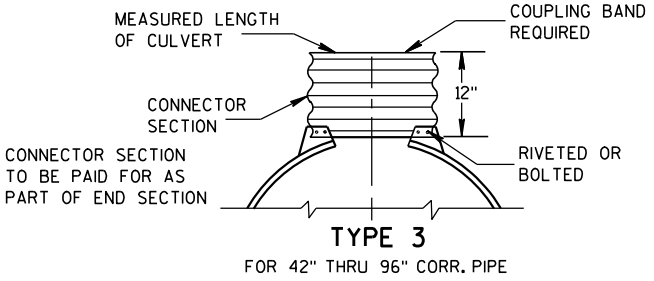
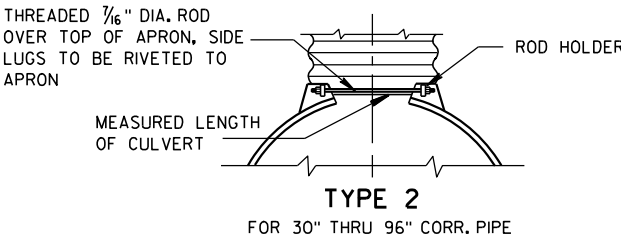
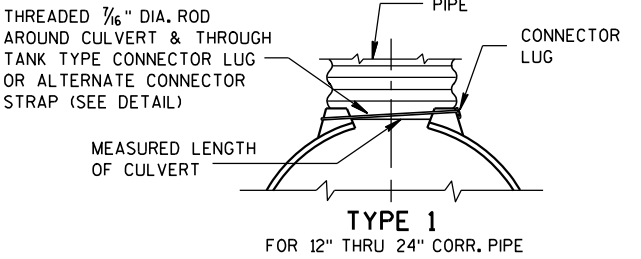


LONGITUDINAL SECTION
CONCRETE ENDWALLS

1" WIDE, 12 GA. (0.109" THICK) GALVANIZED STRAP WITH STANDARD 6" X 1/2" BAND BOLT AND NUT



ALTERNATE FOR TYPE 1 CONNECTION
END SECTION CONNECTOR STRAP



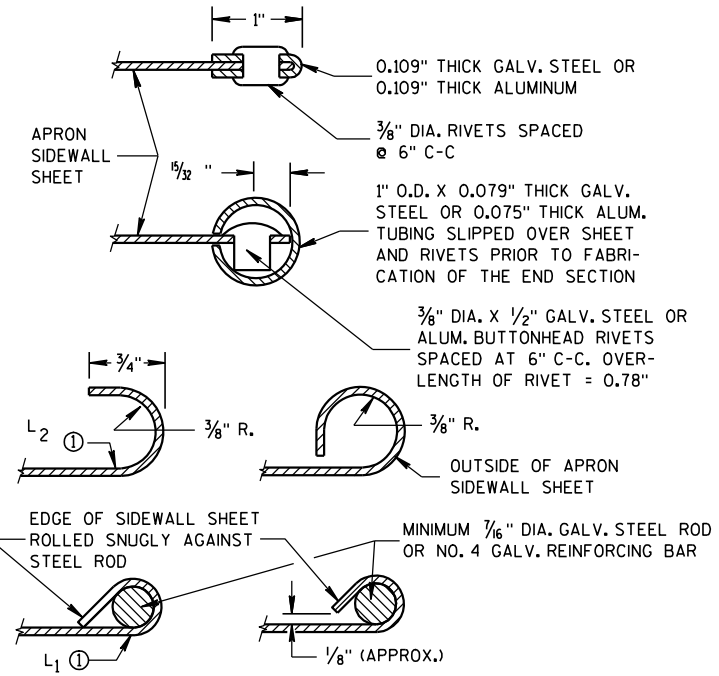
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

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.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

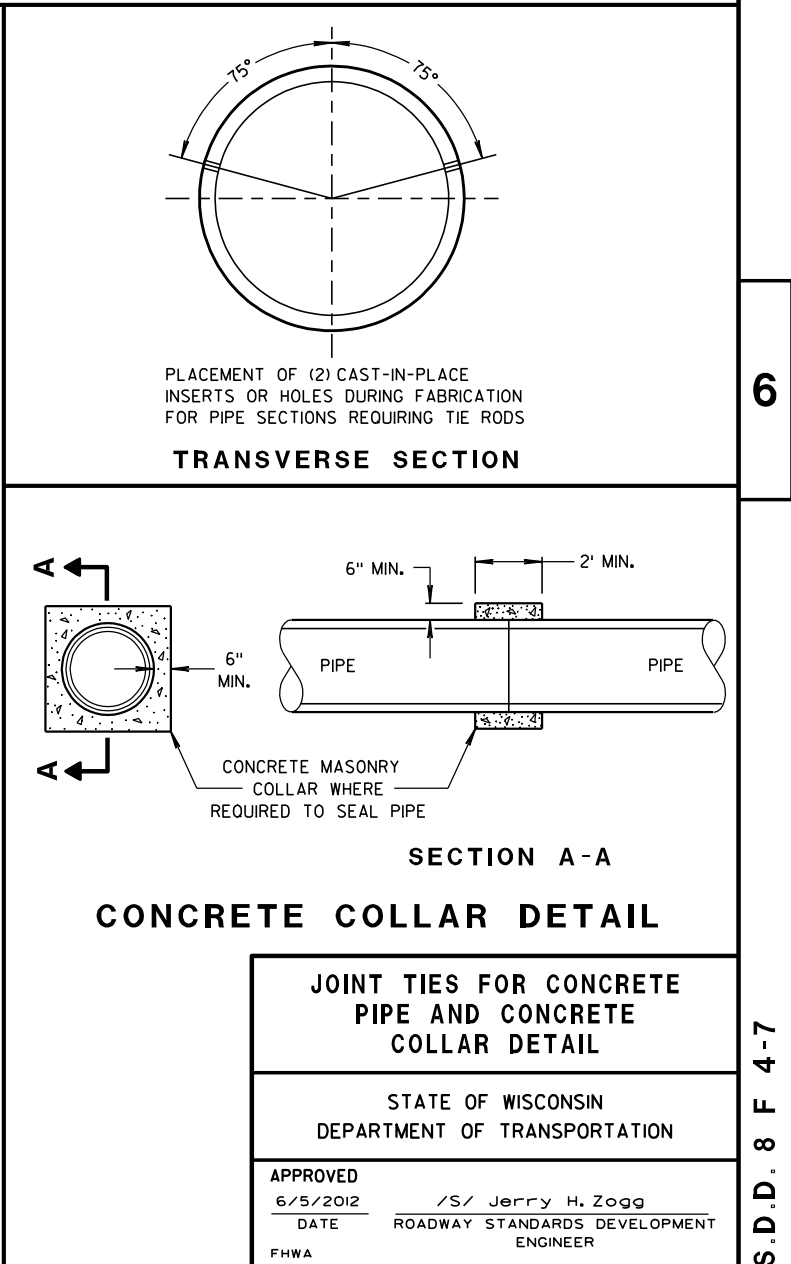
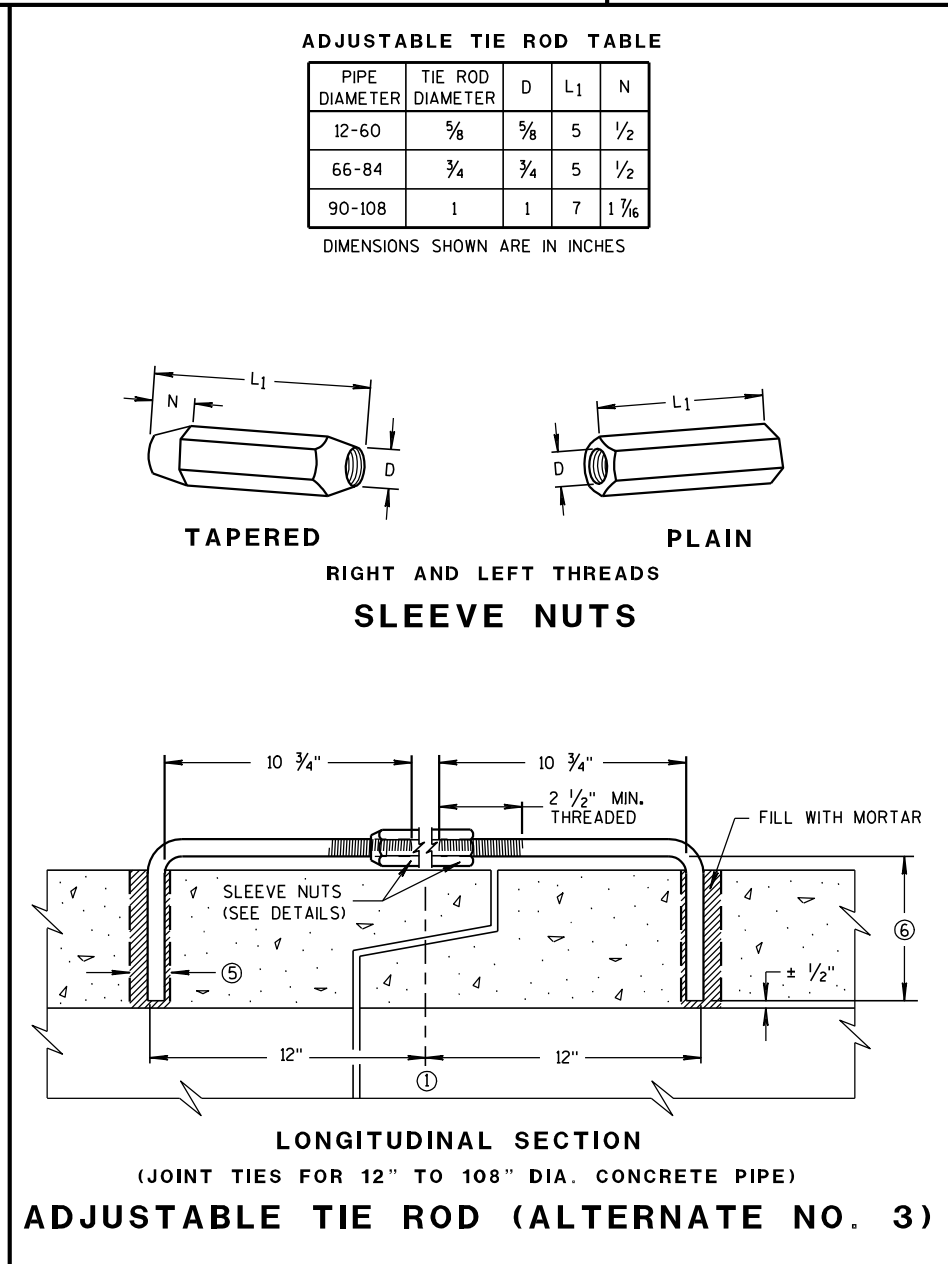
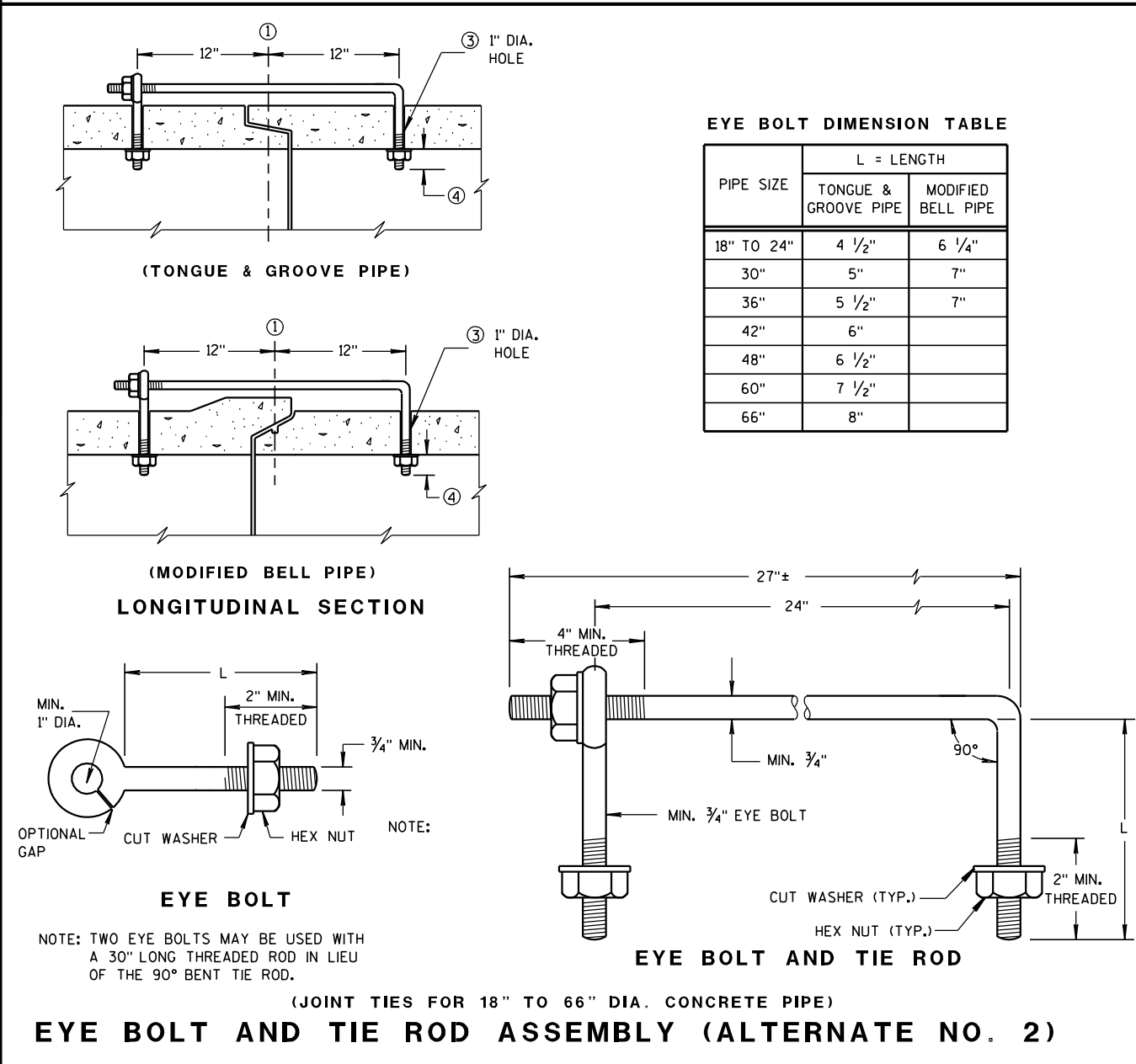
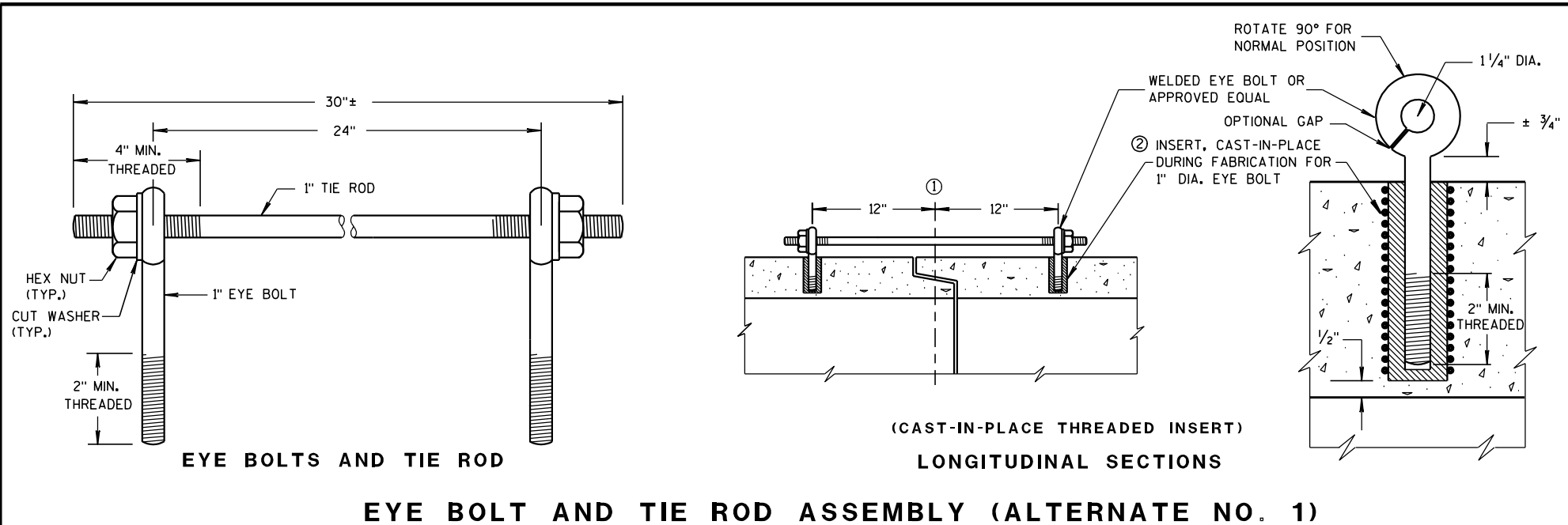
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

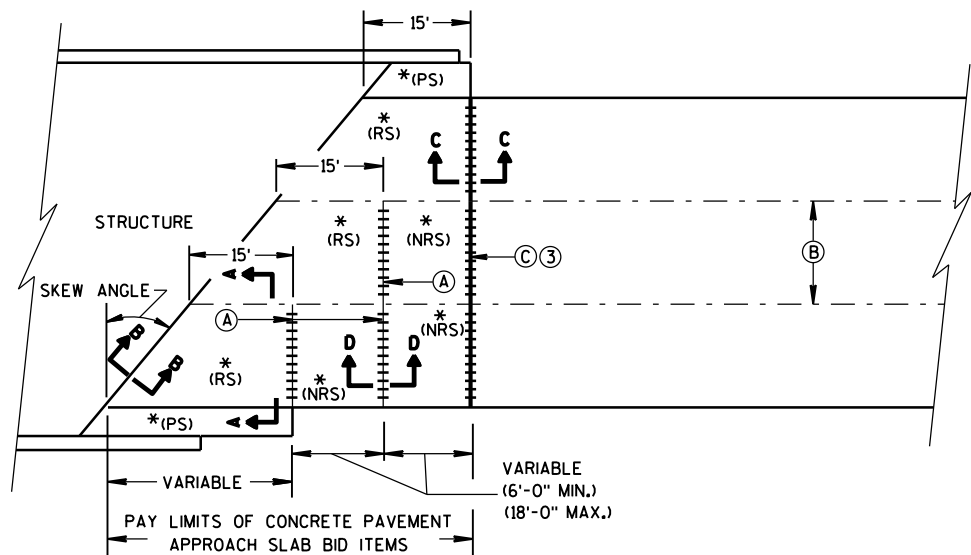
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR
CULVERT PIPE

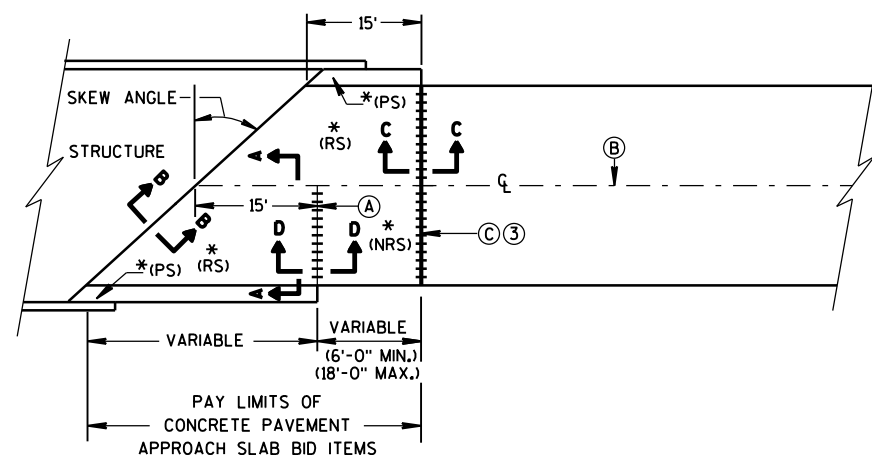
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94
DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

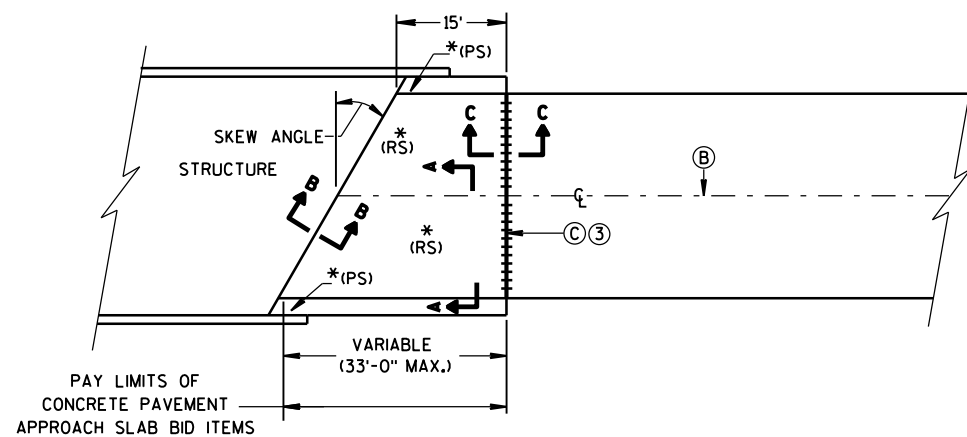




**SKewed APPROACH
(PAVEMENT MORE THAN 2 LANES)**



**SKews > 20°
(PAVEMENT WIDTH ≤ 30')**

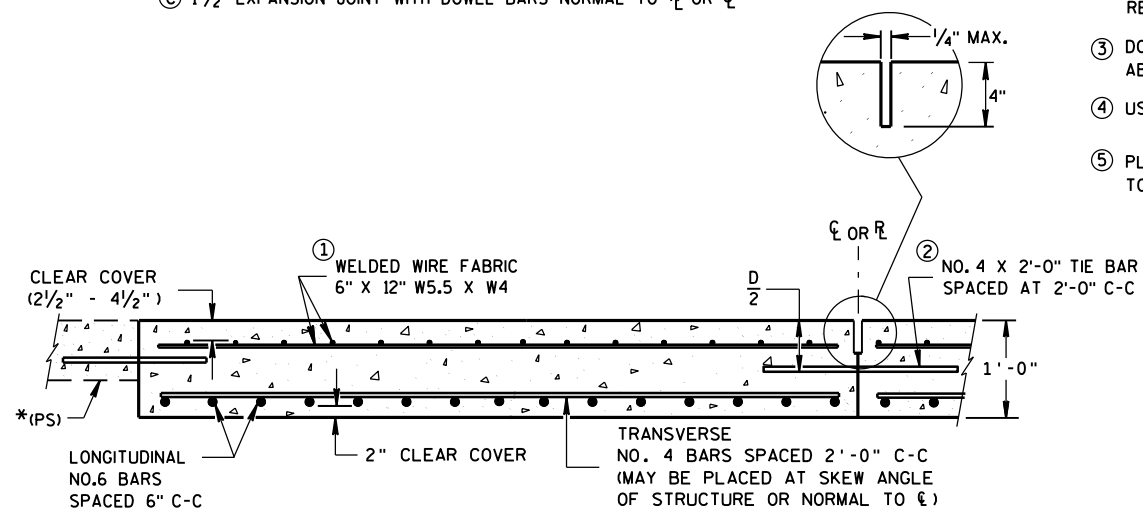


**SKews ≤ 20°
(PAVEMENT WIDTH ≤ 30')
APPROACH SLAB AND ADJACENT PAVEMENT**

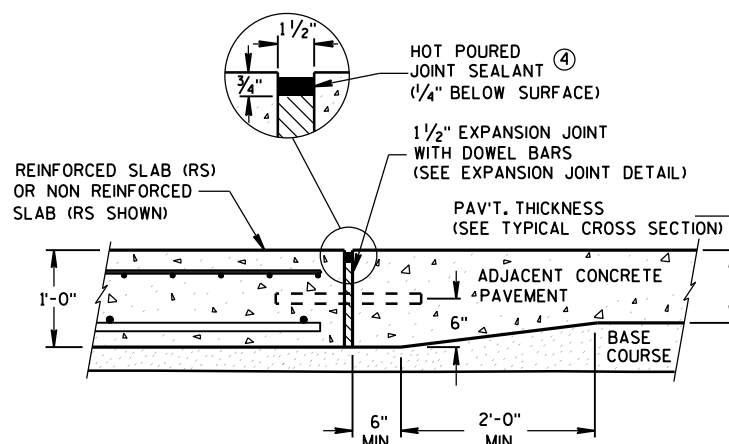
* (RS) = REINFORCED CONCRETE SLAB
* (PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB
(SEE DETAILS ELSEWHERE IN THE PLAN)
* (NRS) = NON-REINFORCED CONCRETE SLAB

*** STANDARD DOWEL BAR DIAMETER
(SEE SDD 13C11, & SDD 13C13)

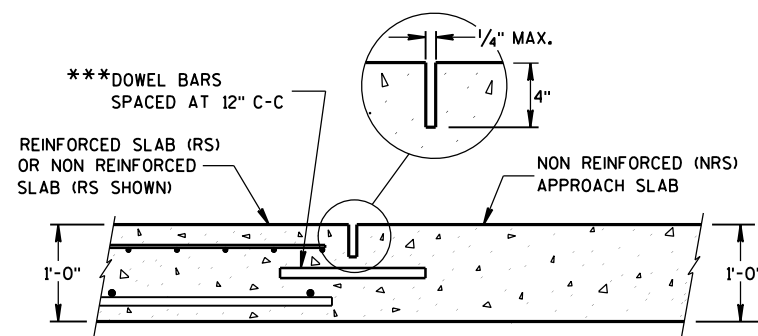
- (A) STANDARD CONTRACTION JOINT NORMAL TO ℓ OR ℓ_c
(B) STANDARD LONGITUDINAL JOINT WITH TIE BARS.
(C) 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℓ OR ℓ_c



**SECTION A-A
REINFORCEMENT POSITIONING DETAIL**



**SECTION C-C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT**



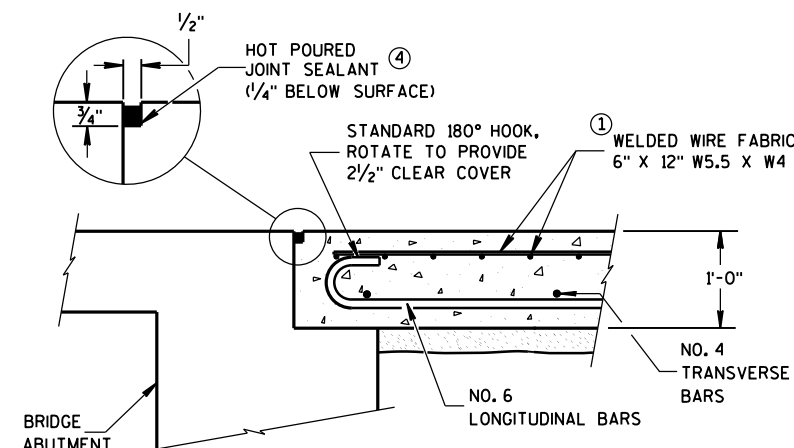
**SECTION D-D
CONTRACTION JOINT**

GENERAL NOTES

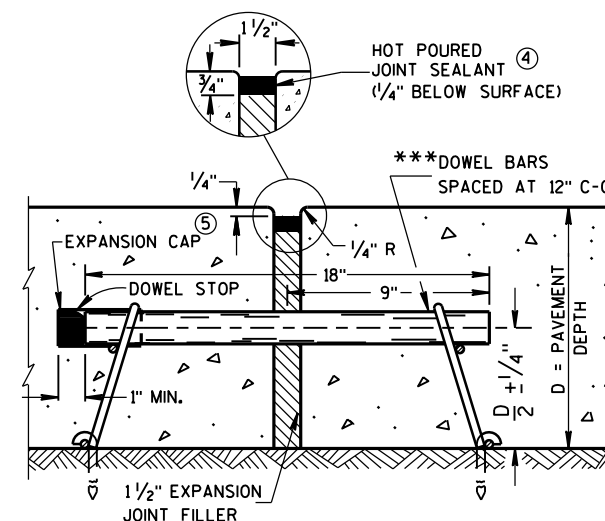
THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

- THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2'-0" C-C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.
- THE CONTRACTOR MAY OMIT TIE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.
- DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.
- USE A JOINT SEALANT MEETING THE REQUIREMENTS OF ASTM D6690.
- PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.



**SECTION B-B
BEND DETAIL
BOTTOM REINFORCEMENT**



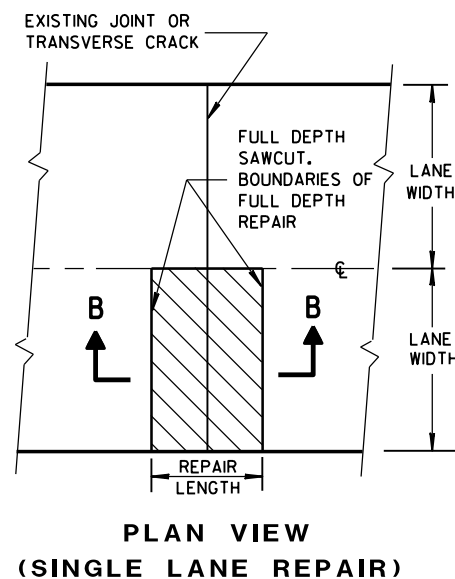
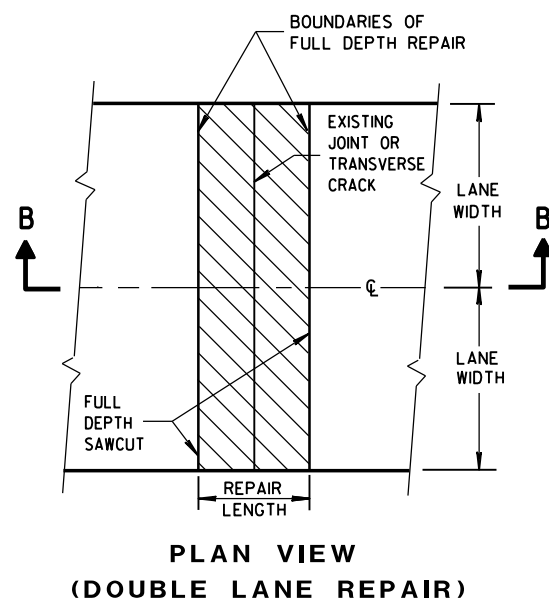
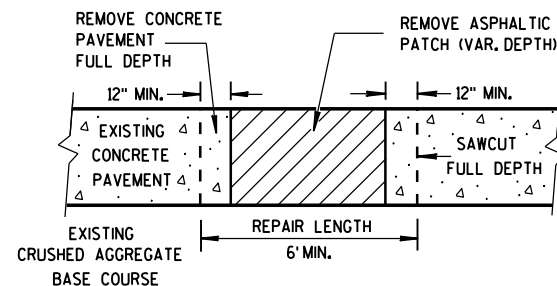
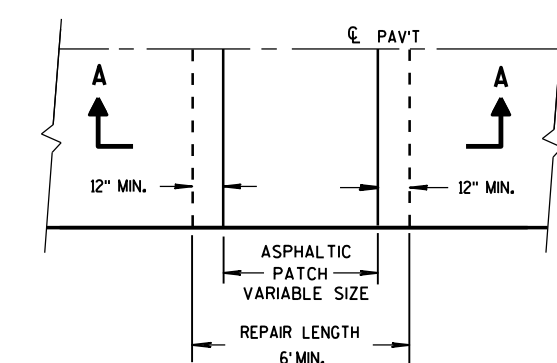
EXPANSION JOINT DETAIL

**CONCRETE PAVEMENT
APPROACH SLAB**

**STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION**

APPROVED
June, 2015
DATE
FWHA

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISOR



FULL DEPTH CONCRETE PAVEMENT REMOVAL

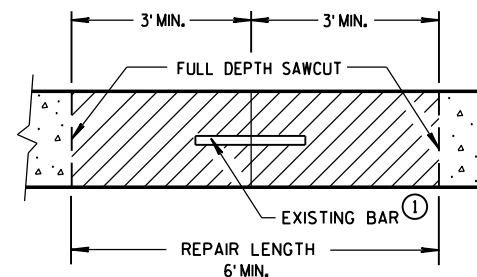
GENERAL NOTES

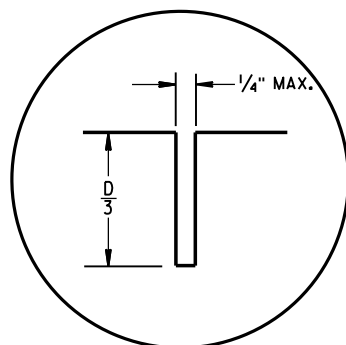
SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

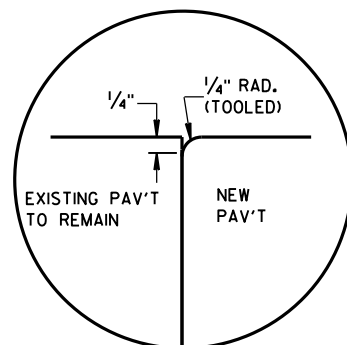
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

① DOWEL BARS MIGHT NOT EXIST.



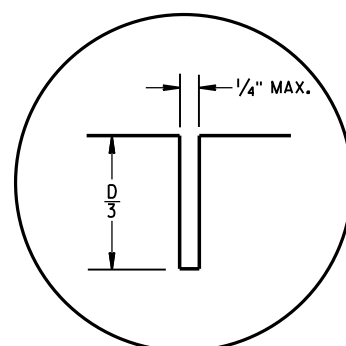


C1

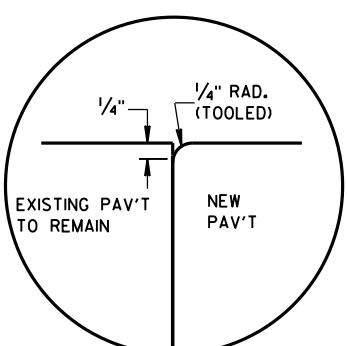


C2

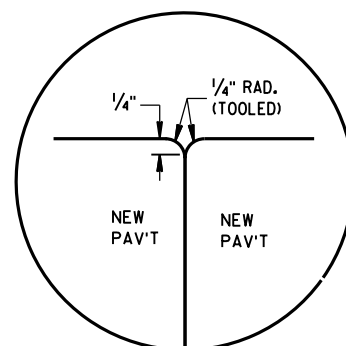
TRANSVERSE JOINTS



L1



L2



L3

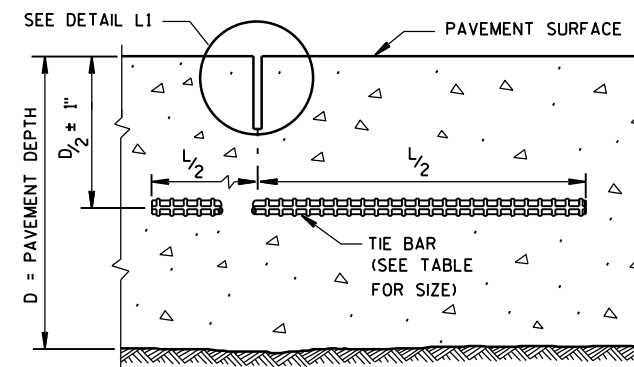
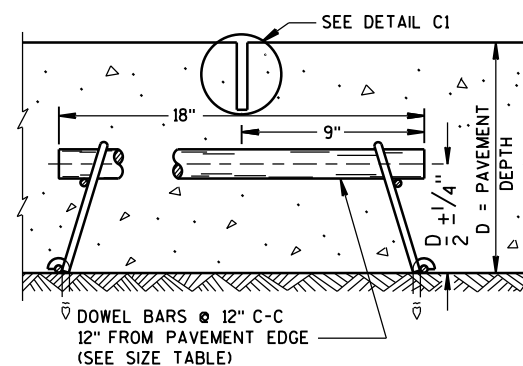
LONGITUDINAL JOINTS

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

SECTION C-C
SAWED LONGITUDINAL JOINTSECTION F-F
CONTRACTION JOINT

GENERAL NOTES

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

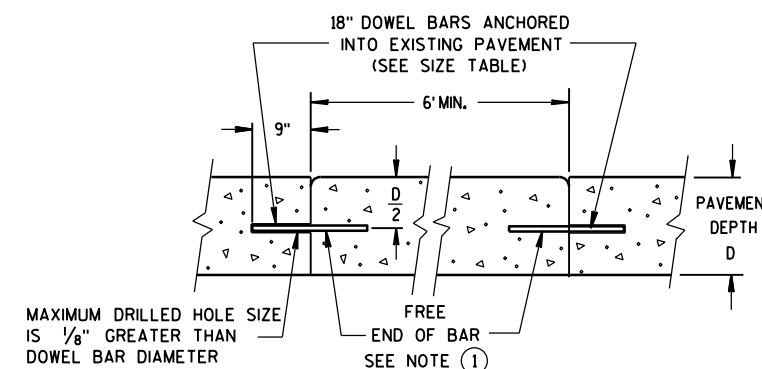
CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

DO NOT SEAL OR FILL JOINTS.

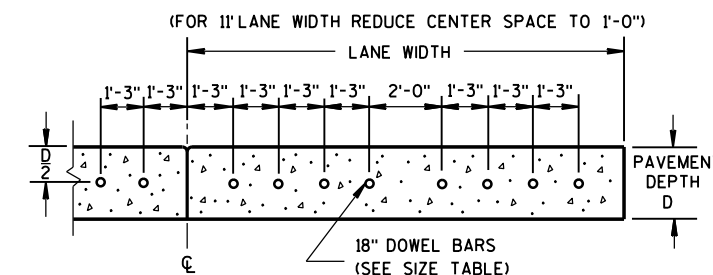
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

- ① APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.



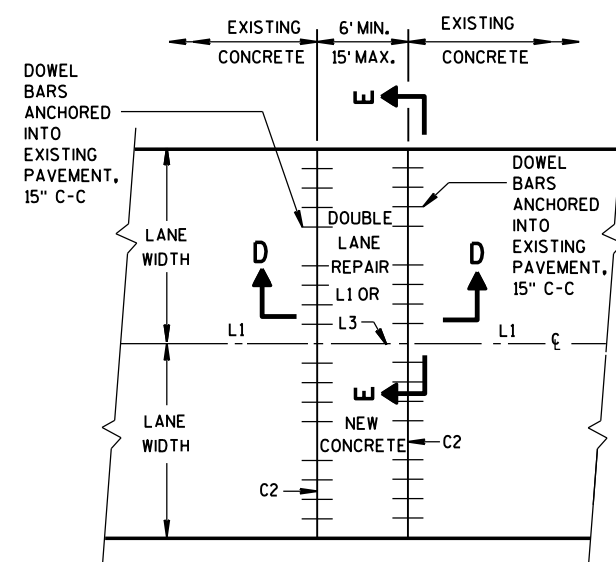
SECTION D-D

SECTION E-E
DRILLED DOWEL BAR CONSTRUCTION JOINTPAVEMENT DEPTH, DOWEL BAR SIZE
AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 1/2", 6", 6 1/2"	NONE	12'
7", 7 1/2"	1"	14'
8", 8 1/2"	1 1/4"	15'
9", 9 1/2"	1 1/4"	15'
10" & ABOVE	1 1/2"	15'

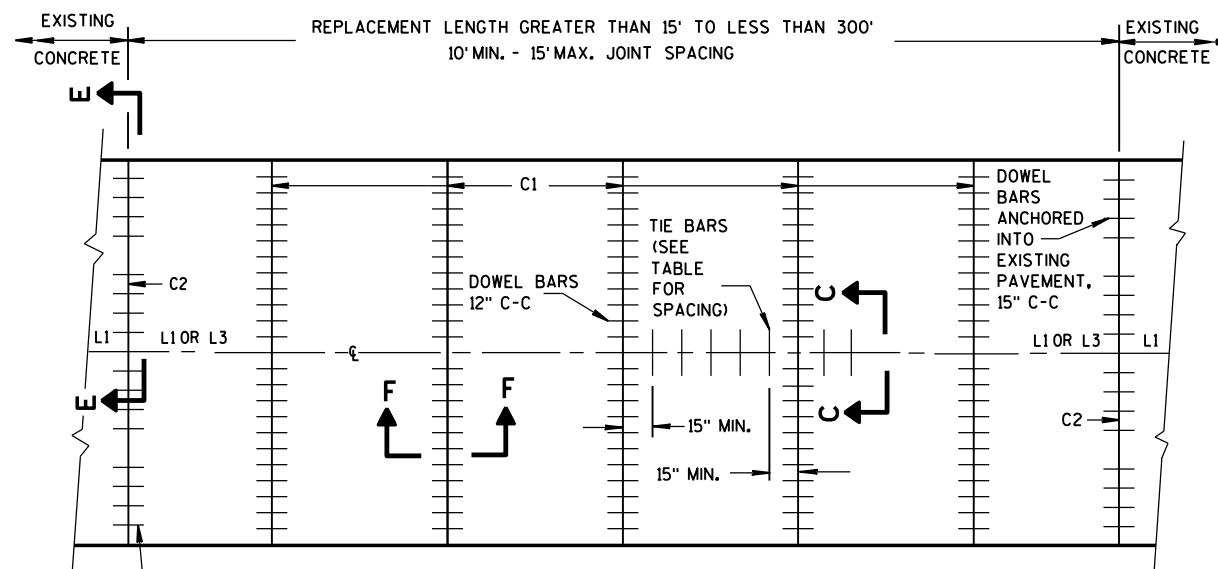
CONCRETE PAVEMENT
REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



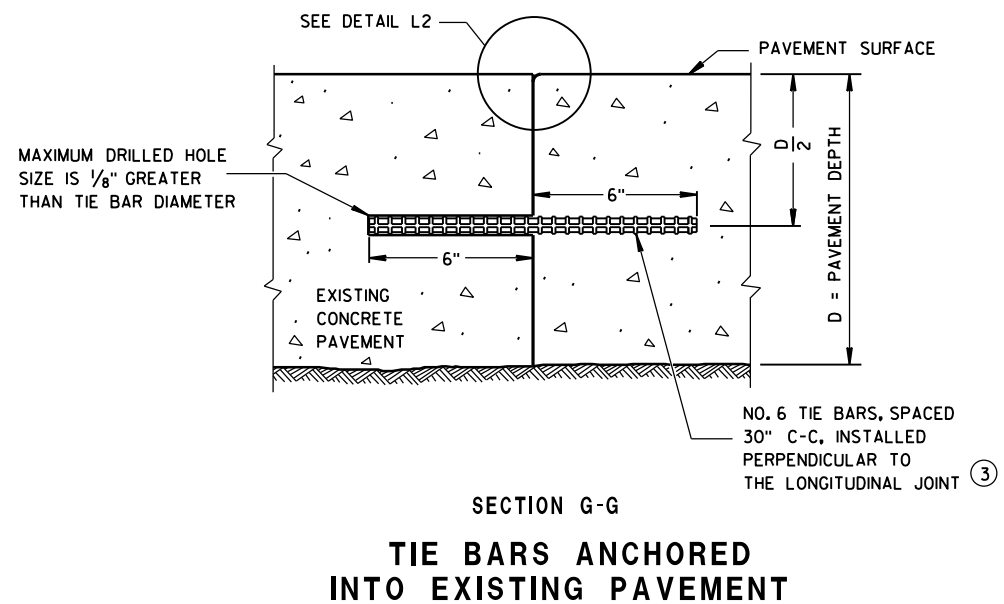
PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPAIR



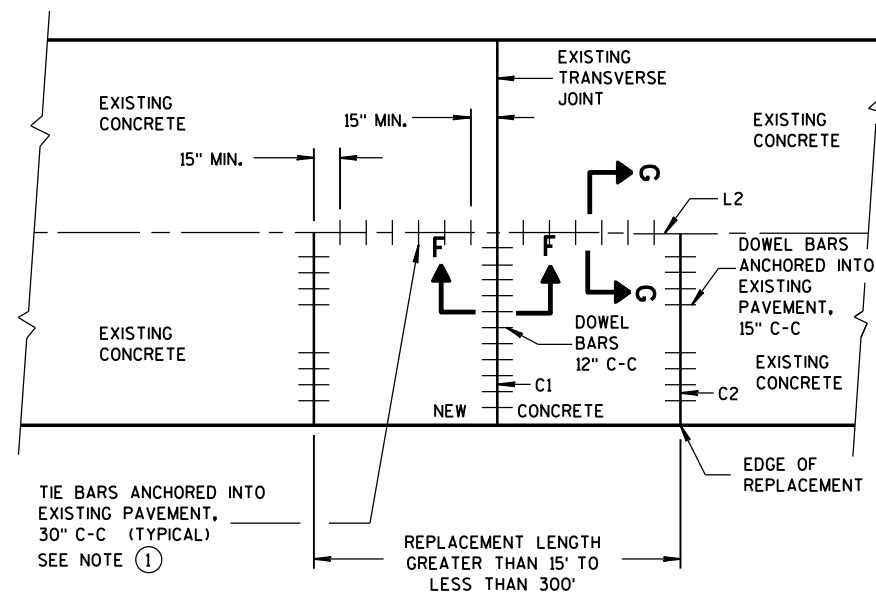
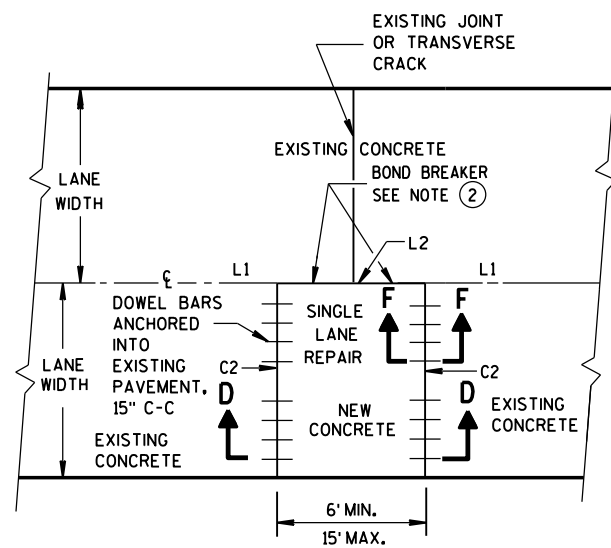
PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPLACEMENT



GENERAL NOTES

- ① WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
- ② USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
- ③ ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



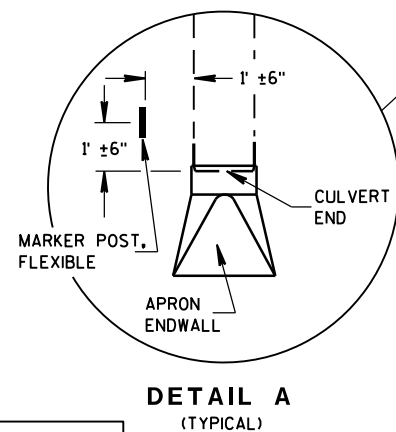
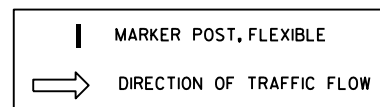
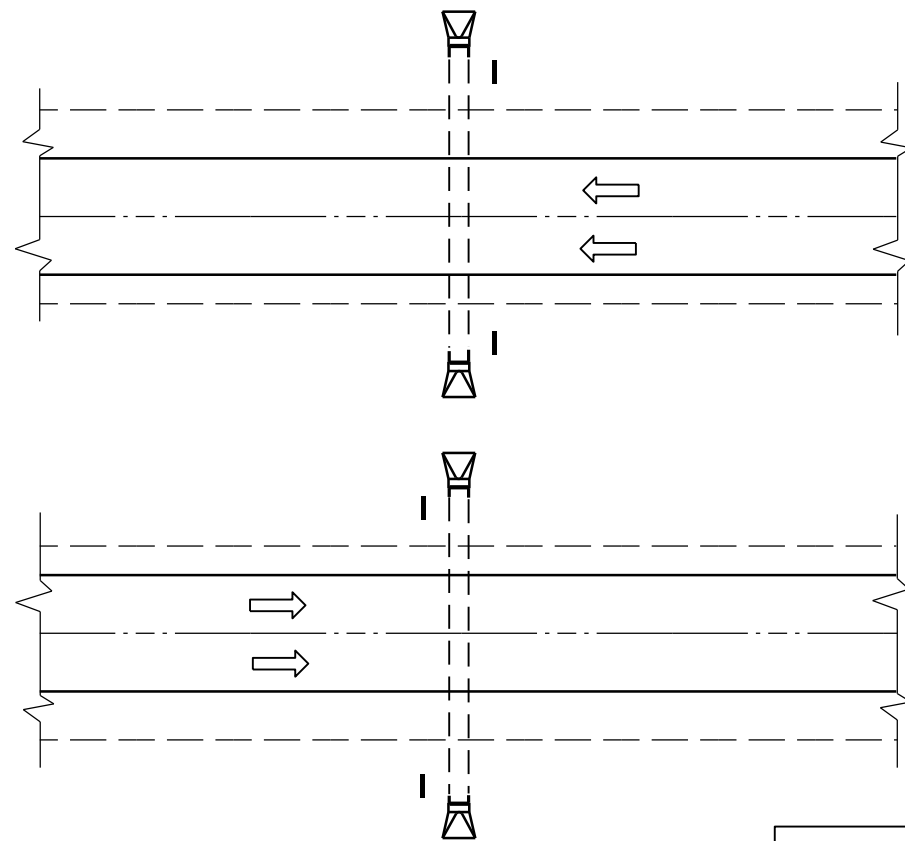
**CONCRETE PAVEMENT
REPAIR AND REPLACEMENT**

**STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION**

APPROVED
Sept., 2015
DATE
FHWA

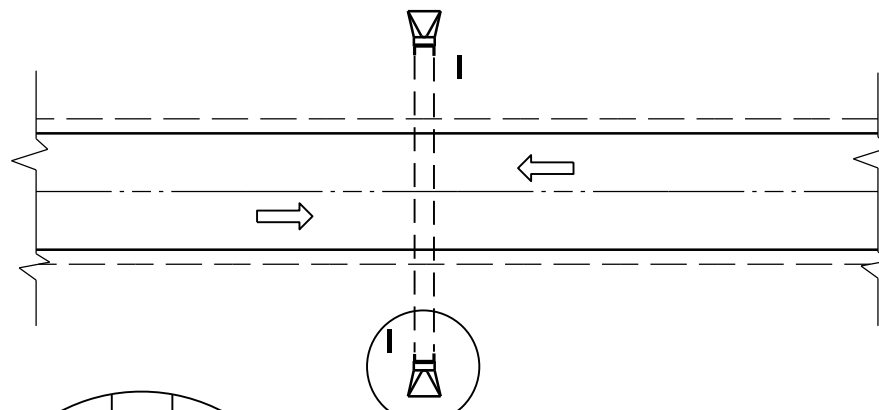
/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISOR

PLAN VIEW
DIVIDED HIGHWAY

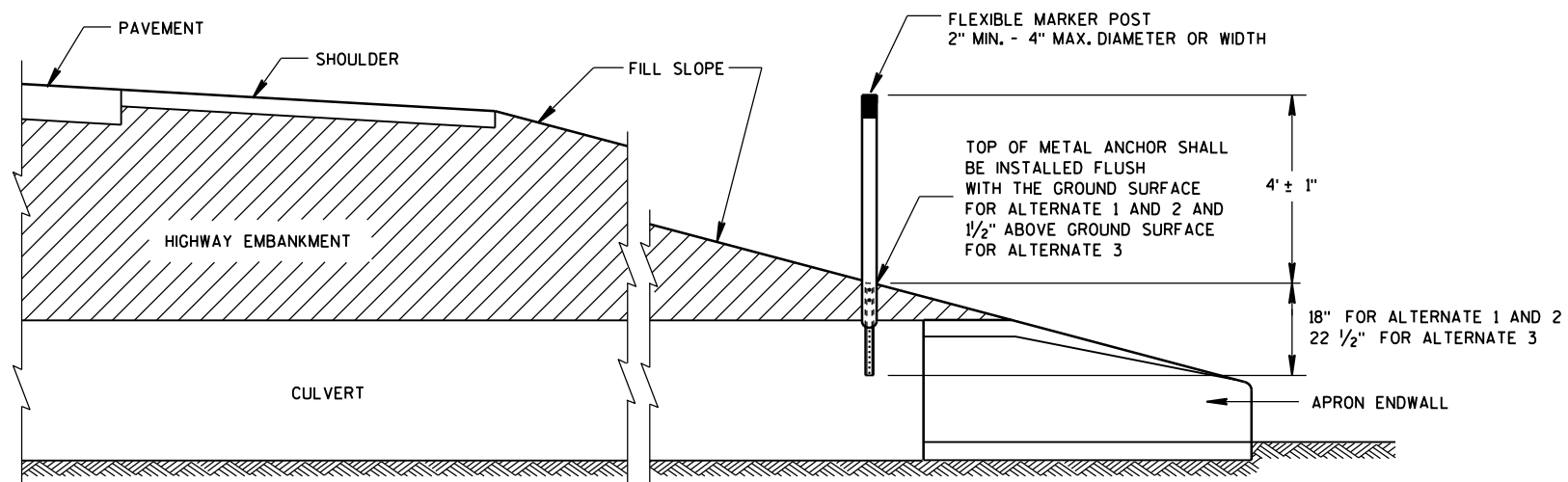


DETAIL A
(TYPICAL)

PLAN VIEW
UNDIVIDED HIGHWAY



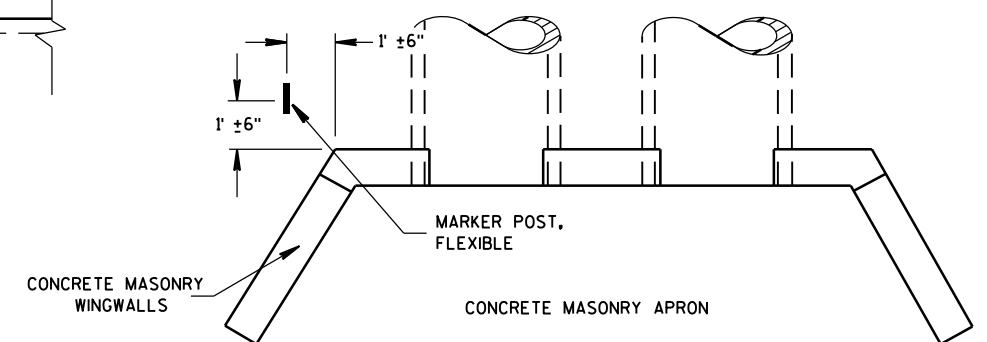
FLEXIBLE MARKER POST LOCATION



CROSS SECTION
FLEXIBLE MARKER POST

GENERAL NOTES

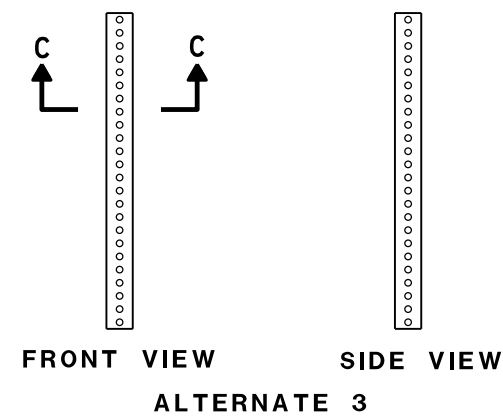
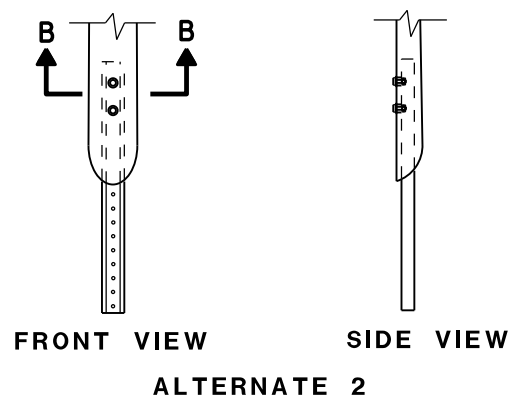
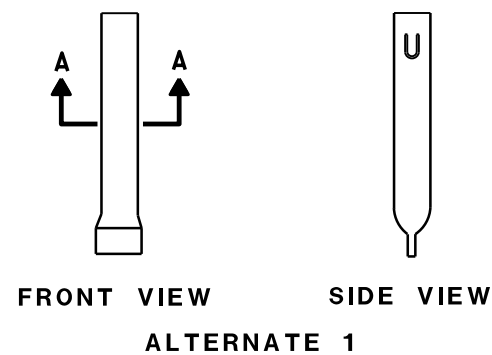
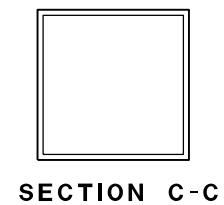
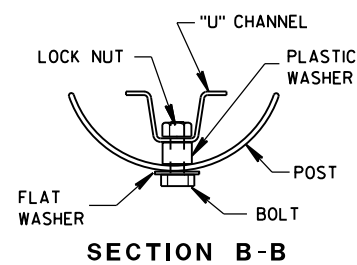
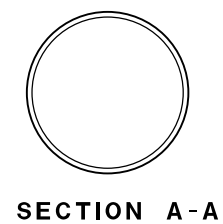
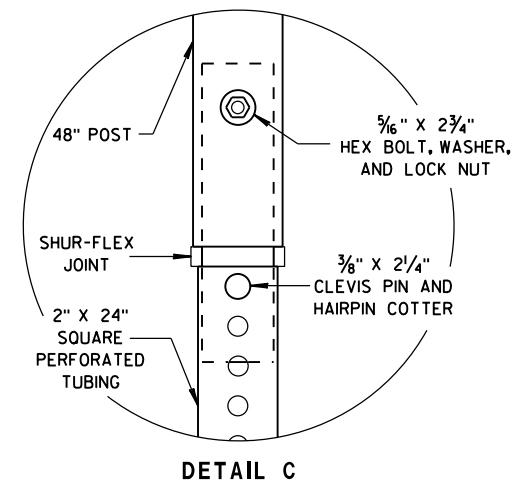
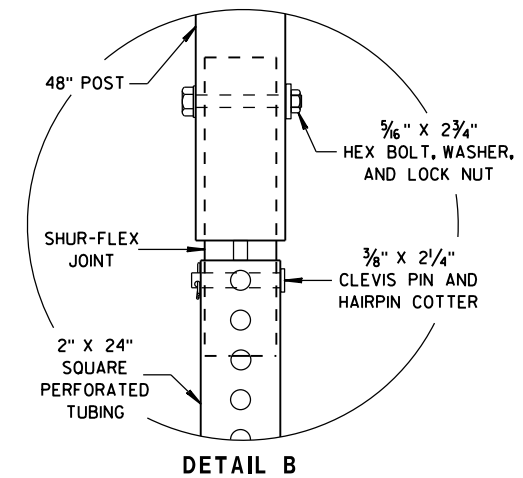
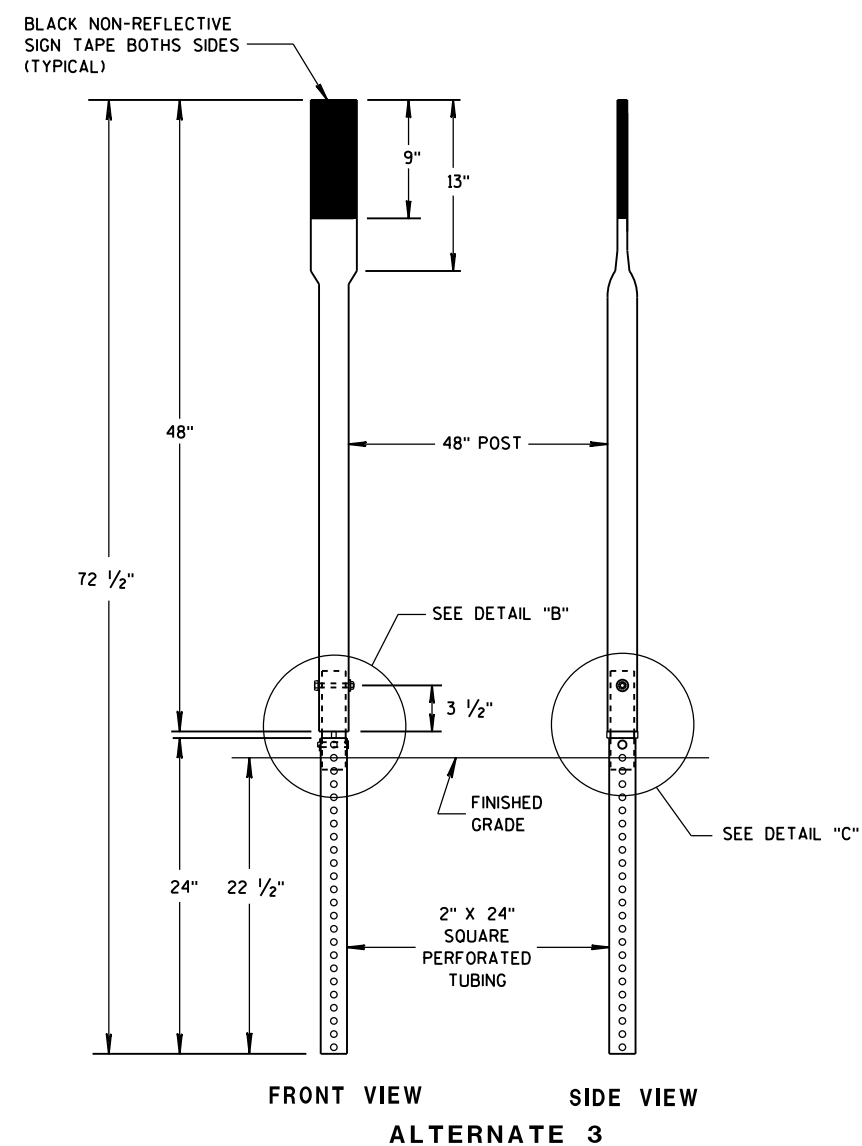
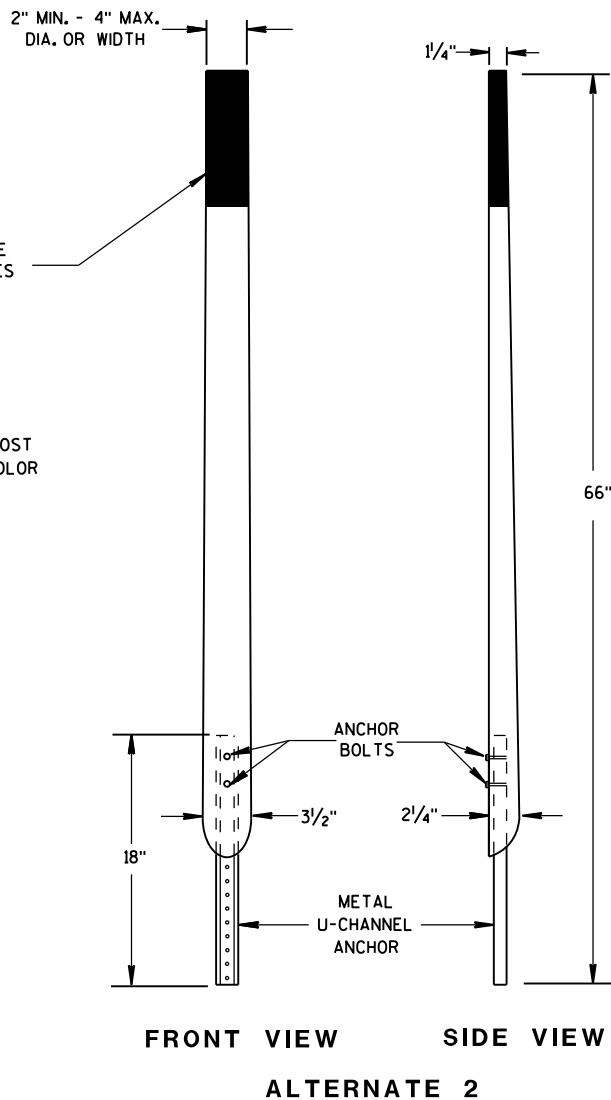
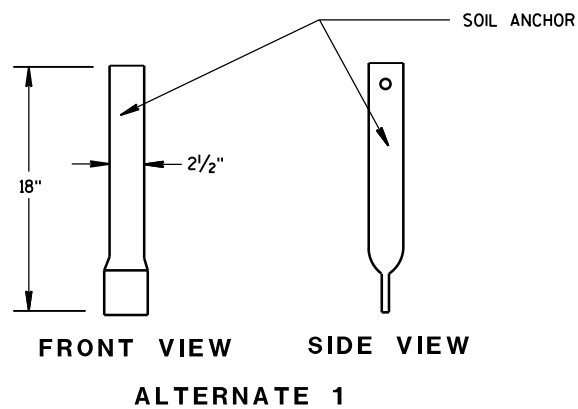
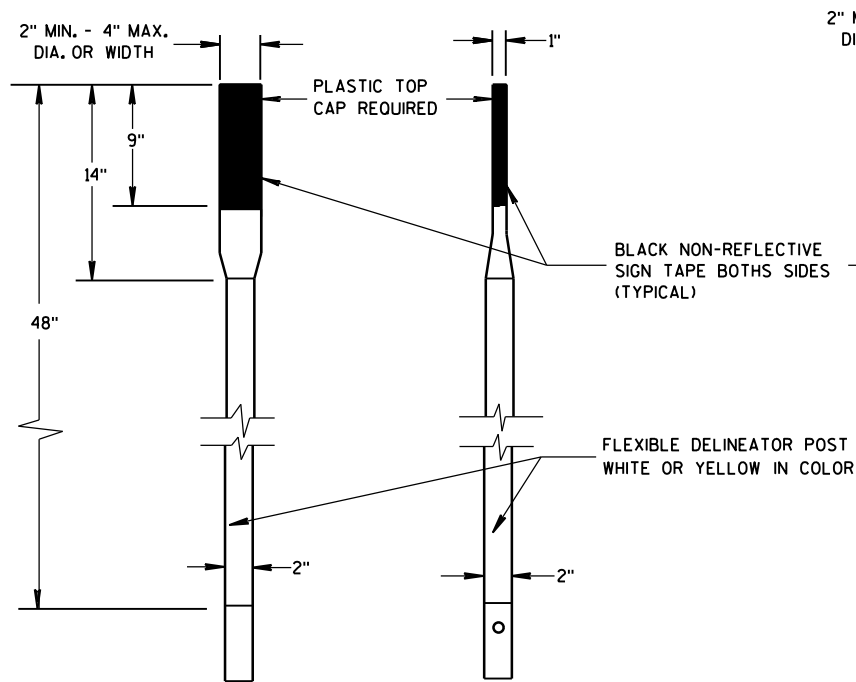
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW
CONCRETE MASONRY ENDWALLS FOR
CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

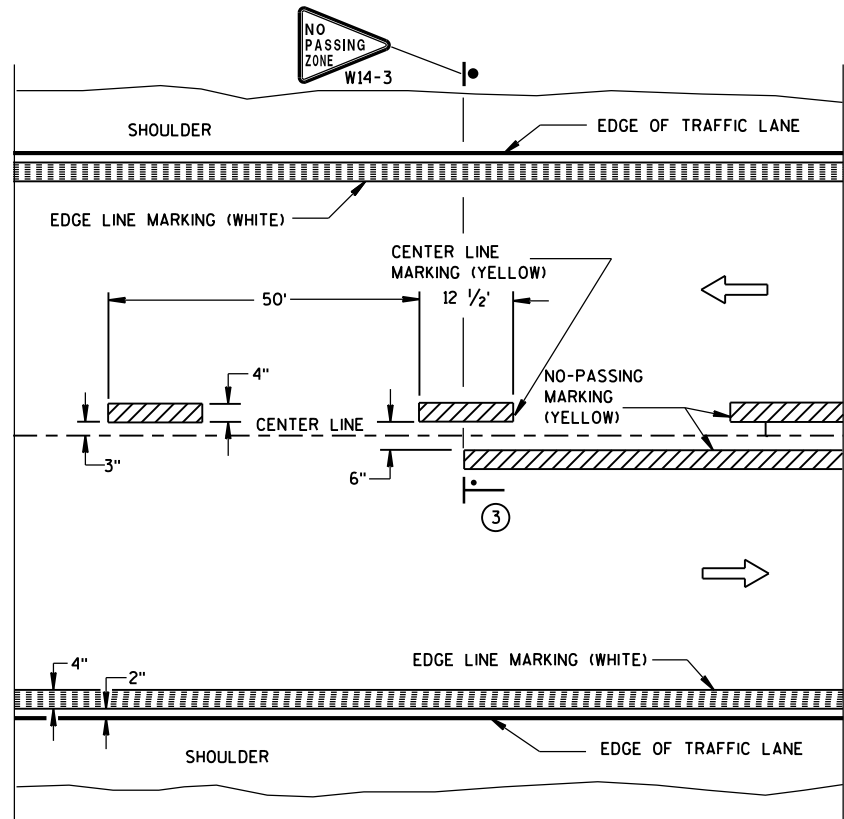


FLEXIBLE MARKER POST FOR CULVERT END

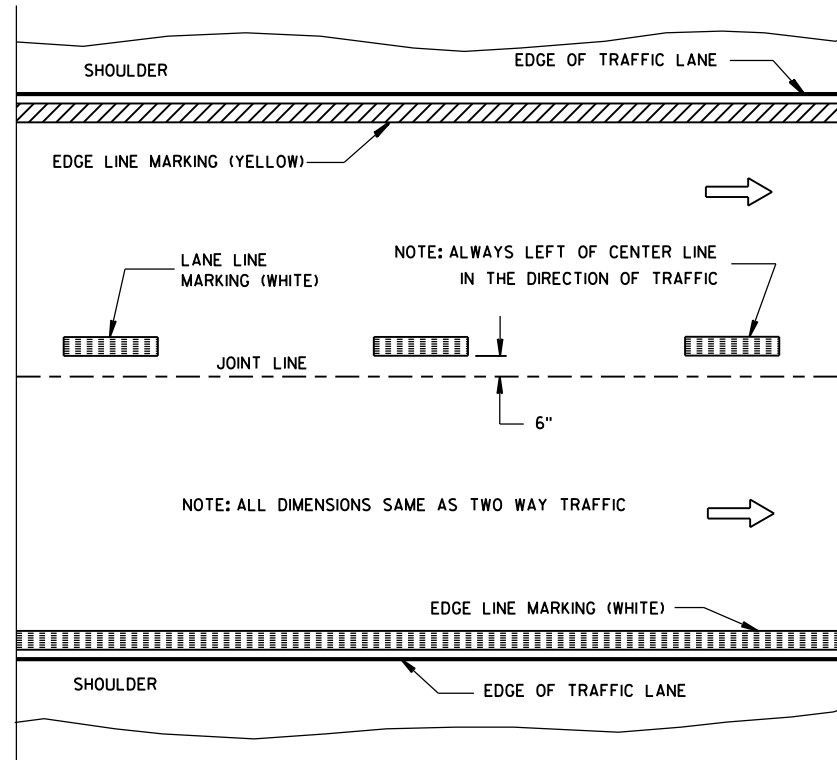
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012
DATE
FHWA

/S/ Travis Feltes
STATE TRAFFIC ENGINEER OF DESIGN

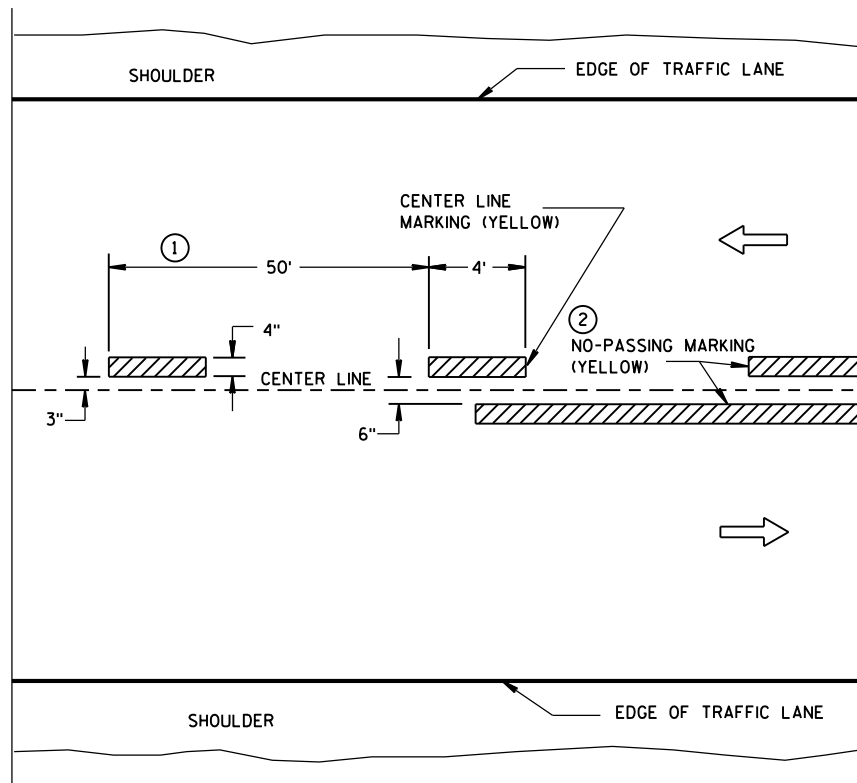


TWO WAY TRAFFIC

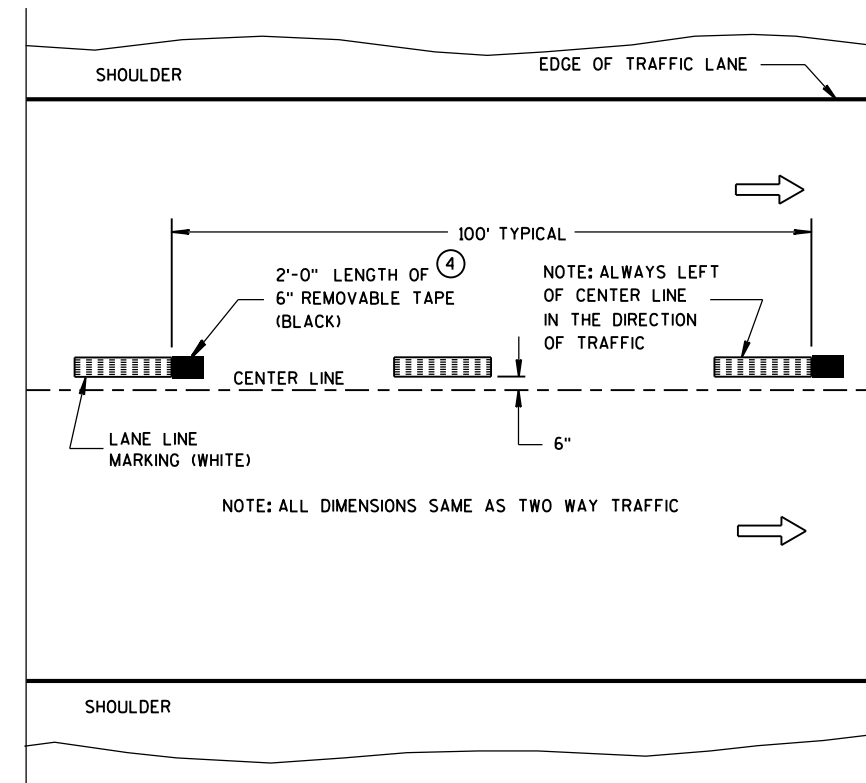


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

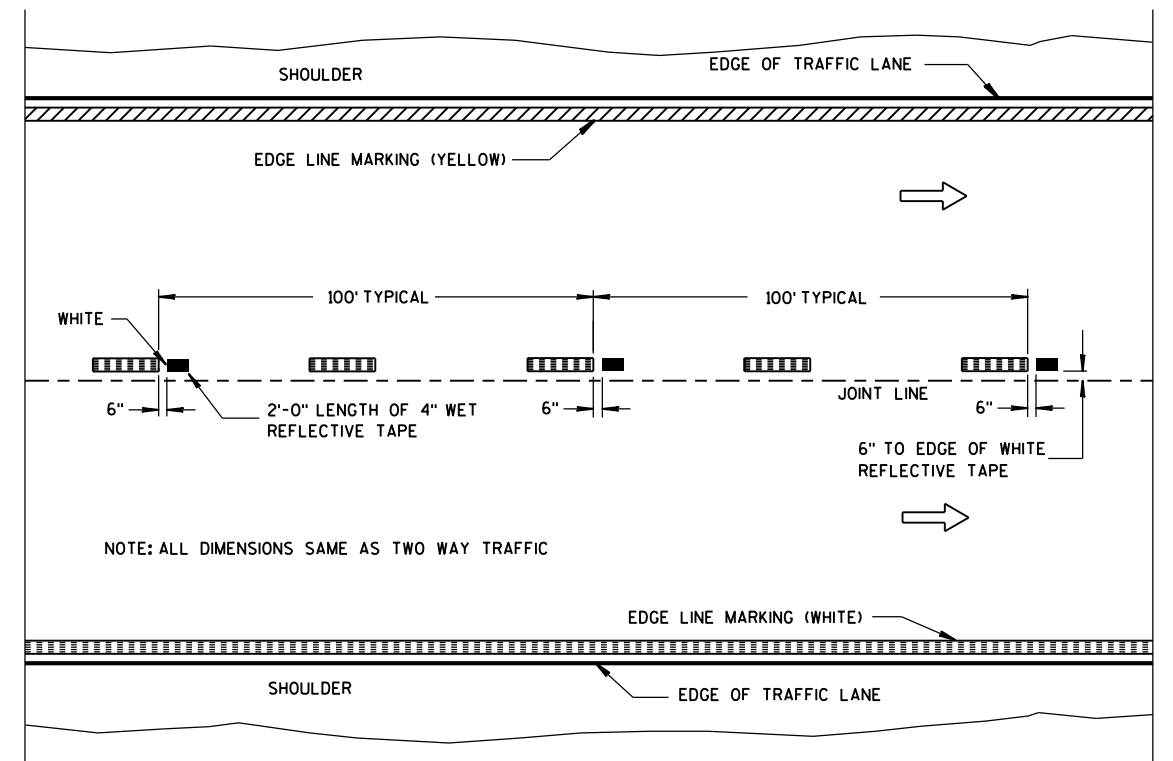
GENERAL NOTES

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.
- 3 NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
- 4 CONCRETE ONLY.

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

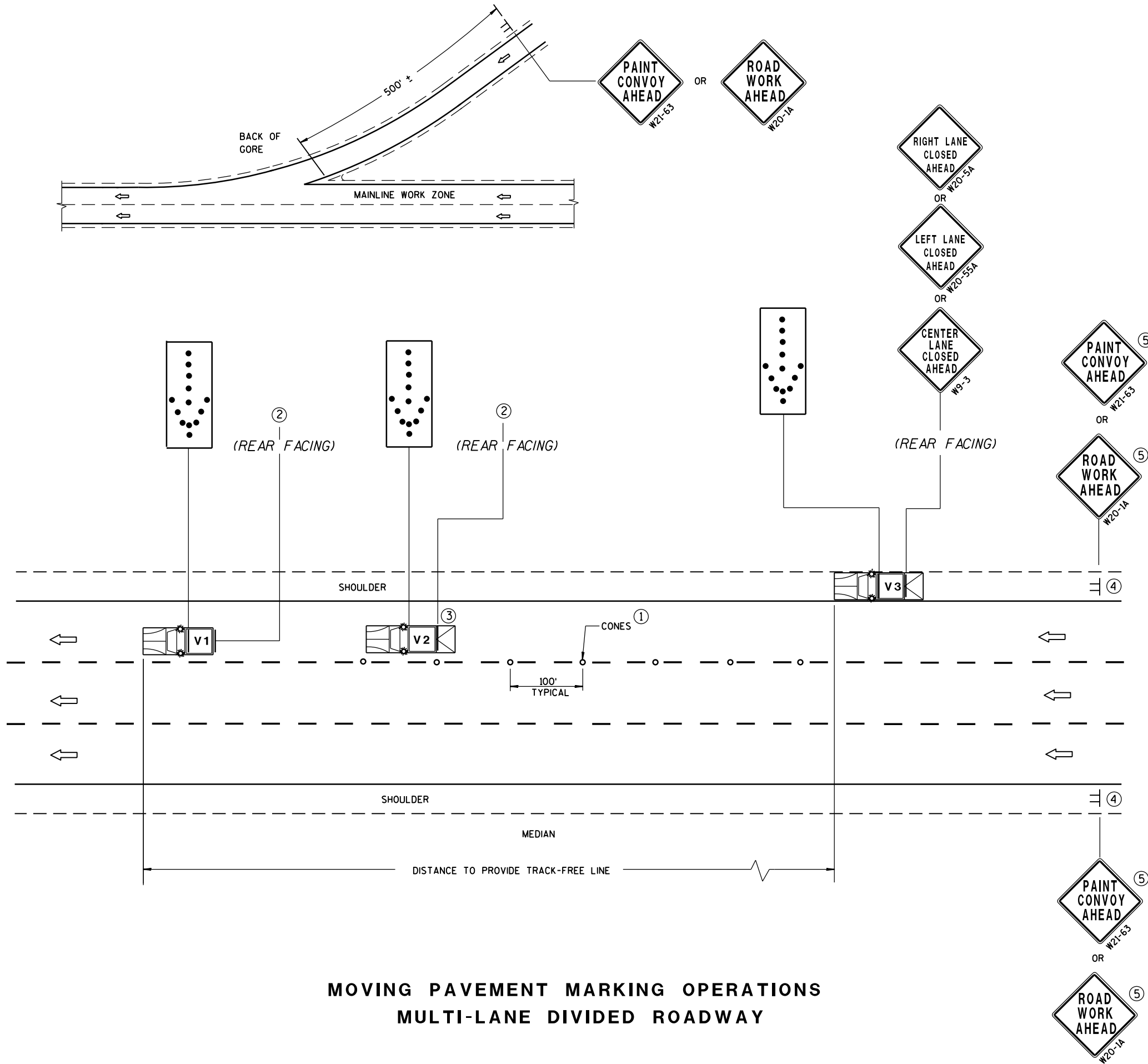
LEGEND

- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-13-2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER
FHWA



GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

FOR EDGE LINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH. USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

THIS DRAWING SHALL BE USED FOR EDGE LINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

- ① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- ② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.
- ③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.
- ④ SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.
- ⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

- V1 LEAD VEHICLE
- V2 SHADOW VEHICLE
- V3 TRAIL VEHICLE WITH TMA
- TMA TRUCK-MOUNTED ATTENUATOR
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- CONES
- FLASHING ARROW PANEL (MERGE)

MOVING PAVEMENT MARKING OPERATION
MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

"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.

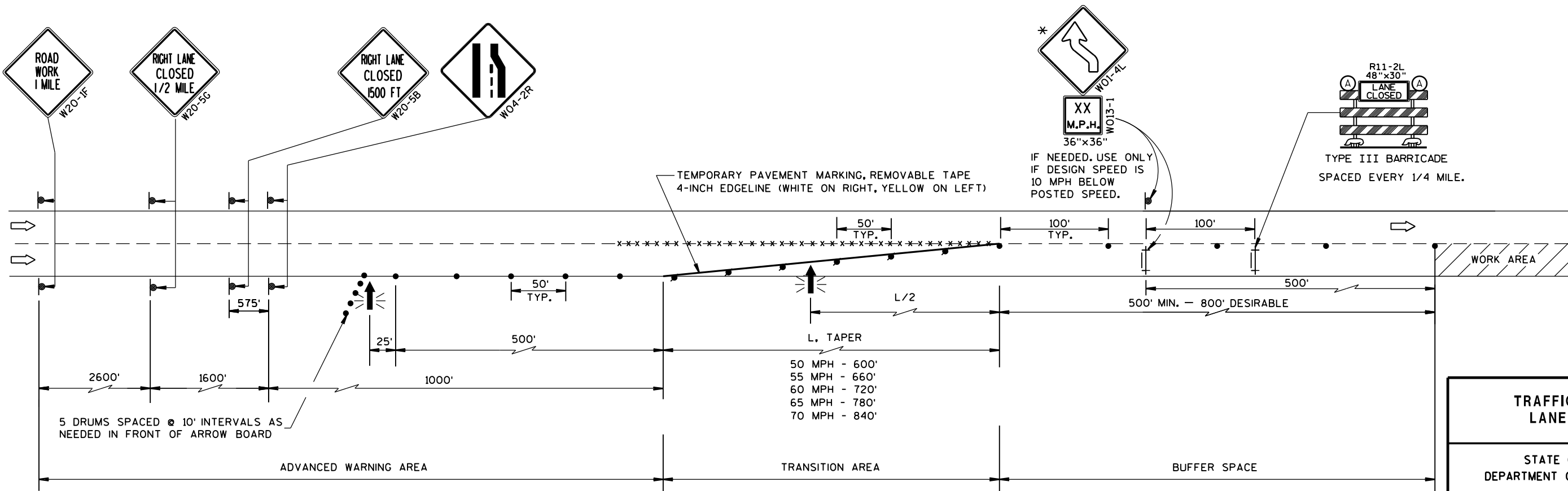
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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.



TRAFFIC CONTROL, LANE CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED March 2016 DATE	/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA	

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT 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.

"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.

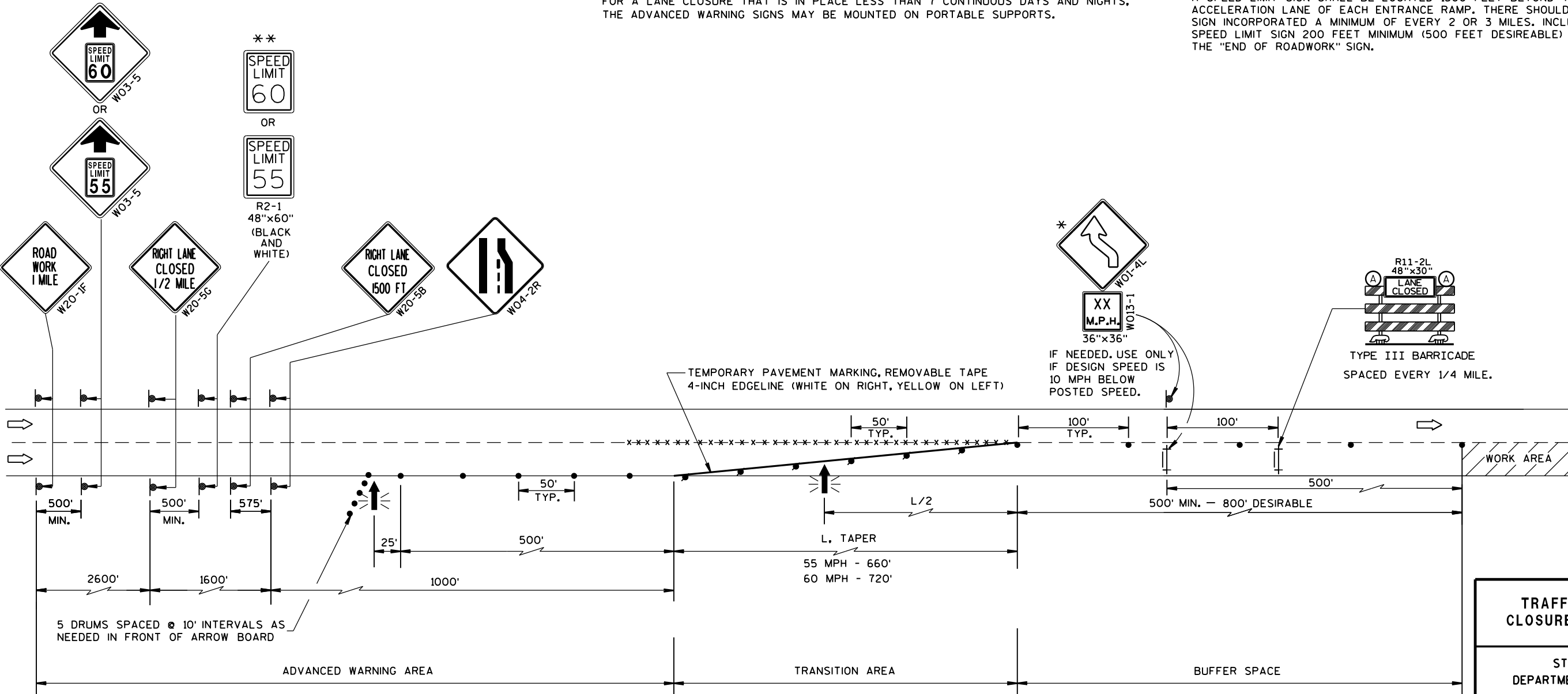
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

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 RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIREABLE) BEYOND THE "END OF ROADWORK" SIGN.

6



S.D.D. 15 D 12-6b

TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED March 2016 DATE	/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA	

S.D.D. 15 D 12-6b

6

LEGEND

- TRAFFIC CONTROL DRUM
- ⦿ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ⚡➡ FLASHING ARROW BOARD
- ▨ WORK AREA

GENERAL NOTES

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

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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

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

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

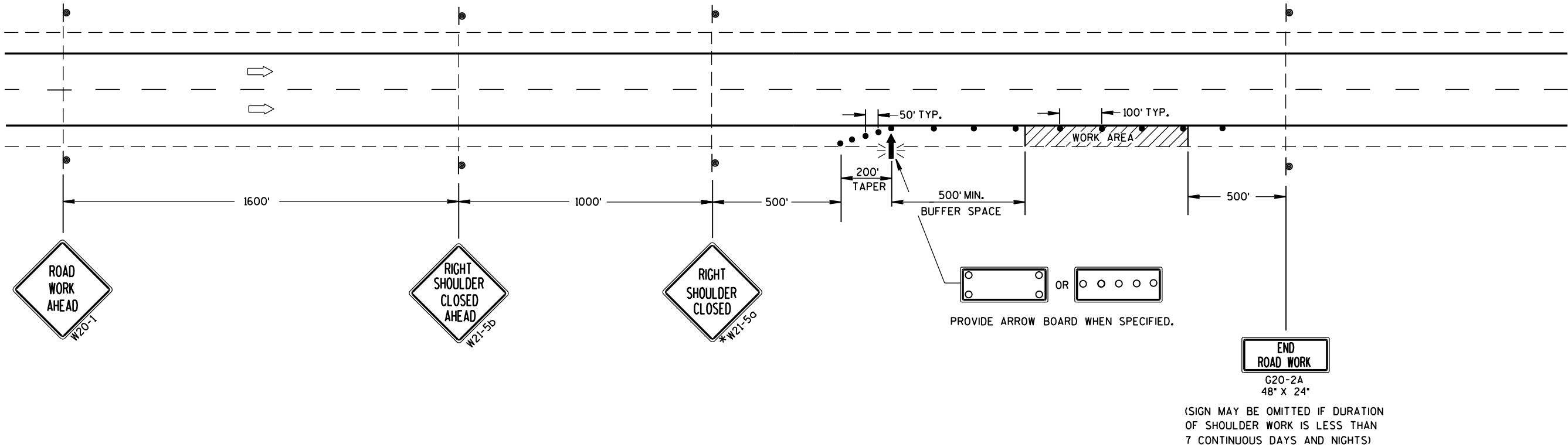
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

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

WHEN A 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.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.

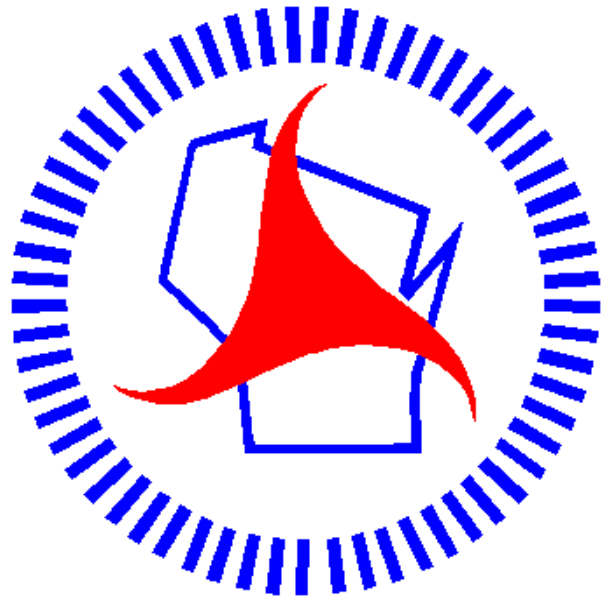


TRAFFIC CONTROL
SHOULDER CLOSURE ON DIVIDED
ROADWAY, SPEEDS GREATER
THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

<http://www.dot.wisconsin.gov>