

SUP

MAY 2024

I-07-78

Title Section No. Section No. 2 Typical Sections and Details Section No. Estimate of Quantities 3 Section No. 3 Miscellaneous Quantities of Way Pla Section No. 5 Plan and Profile Section No. Standard Detail Drawings 6

Section No. Cross Sections 9

TOTAL SHEETS = 56

DESIGN DESIGNATION

A.A.D.T.	2024	=	310
A.A.D.T.	2044	=	420
D.H.V.		=	30
D.D.		=	51/49
Т.		=	10%
DESIGN SPEED		=	55
ESALS		=	109,500

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



STATE PROJECT NUMBER 8351-07-78



FILE NAME : X:\AE\B\BAYFC\173084\C3D\83510708\SHEETSPLAN\010101_TI.DWG

PLOT DATE : 1/29/2024 1:58 PM

DERRICK BACHA PLOT BY :

PLOT NAME

COUNTY: Þ ~ FIE

STANDARD ABBREVIATIONS

2

ABUT ABUTMENT AC ACRE AGGREGATE AGG APRON ENDWALL FOR CULVERT PIPE AECPRC REINFORCED CONCRETE APRON ENDWALL FOR CULVERT PIPE AECPCS CORRUGATED STEEL ASPH ASPHALTIC AVERAGE AVG AVERAGE DAILY TRAFFIC ADT BF BACK FACE ΒM BENCH MARK BR BRIDGE CE COMMERCIAL ENTRANCE CENTER LINE C/L CENTRAL ANGLE OR DELTA Δ COB CENTER OF BARRIER CONC CONCRETE CPRC CULVERT PIPE REINFORCED CONCRETE CULVERT PIPE REINFORCED CONCRETE CPRCHE HORIZONTAL ELLIPTICAL CR CRFFK CY CUBIC YARD CURB AND GUTTER C&G DEGREE OF CURVE D DHV DESIGN HOUR VOLUME DISCH DISCHARGE DITCH GRADE DG DWY DRIVEWAY EAST GRID COORDINATE х STEEL PLATE BEAM GUARD ENERGY EAT ABSORBING TERMINAL EOR END POINT OF RADIUS ELEVATION EL ENT ENTRANCE EQUIVALENT SINGLE AXLE LOADS ESALS EXC EXCAVATION EXCAVATION BELOW SUBGRADE EBS EXIST EXISTING FACE OF CURB FC FACE TO FACE FF FERT FERTILIZE FE FIELD ENTRANCE FL FLOW LINE FO FIBER OPTIC CWT HUNDREDWEIGHT HYD HYDRANT

ID INSIDE DIAMETER INV INVERT IP IRON PIPE ON PIN LHF LEFT-HAND FORWARD L LENGTH OF CURVE LF LINEAR FOOT LC LONG CHORD OF CURVE LS LUMP SUM МН MANHOLE MOR MID POINT OF RADIUS NORMAL CROWN NC NUMBER NO OBLIT OBLITERATE PAVT PAVEMENT ΡE PRIVATE ENTRANCE **PVRC** POINT OF VERTICAL REVERSE CURVE QUARTER POINT OF RADIUS QOR RADIUS REQ'D REQUIRED **RESIDENCE OR RESIDENTIAL** RES RHF **RIGHT-HAND FORWARD** R/W **RIGHT-OF-WAY** RIVER RDWY ROADWAY R/L REFERENCE LINE SALV SALVAGED SAN SANITARY SEWER SF SQUARE FEET SOUARE YARD SY SDD STANDARD DETAIL DRAWINGS STA STATION SS STORM SEWER STORM SEWER PIPE REINFORCED SSPRC CONCRETE SE SUPERELEVATION RATE тс TOP OF CURB T OR TN TOWN TRUCKS (PERCENT OF) Т TYP TYPICAL VAR VARIABLE VERTICAL CURVE VC NORTH GRID COORDINATE YD YARD

SHORT ELLIOTT HENDRICKSON INC 326 S MAIN STREET SUITE 100 RICE LAKE, WI 54868 TELEPHONE: 715.790.6620 ATTENTION: DERRICK BACHA EMAIL: DBACHA@SEHINC.COM

DNR AREA LIAISON:

WI DEPT OF NATURAL RESOURCES DNR NORTHERN REGIONAL HQ 810 W MAPLE STREET SPOONER, WI 54801 TELEPHONE: 715.635.4228 ATTENTION: SHAWN HASELEU EMAIL: SHAWN.HASELEU@WISCONSIN.GOV

UTILITY CONTACT LIST:

XCEL ENERGY

GAS/PETRO/ELECTRIC/TRANSMISSION 2400 FARM ROAD ASHLAND, WI 54806 TELEPHONE: 906.364.5786 ATTENTION: BRIAN DARY EMAIL: BRIAN.M.DARY@XCELENE

NORVADO

COMMUNICATION LINES 43705 US HWY 63 CABLE, WI 54821 TELEPHONE: 715.580.8123 ATTENTION: GUY FOLSOM EMAIL: GFOLSOM@NORVADO.COM

LUMEN/BRIGHTSPEED

COMMUNICATIONS LINES 425 ELLINGSON AVE HAWKINS, WI 54530 TELEPHONE: 715.567.0725 ATTENTION: BEN BAKER EMAIL: BEN.BAKER@BRIGHTSPEED.COM

GENERAL NOTES:

ACCESS TO ALL PROPERTIES SHALL BE MAINTAINED DURING CONSTRUCTION.

THAT ARE NOT SHOWN.

THE ENGINEER.

QUANTITIES OF HMA PAVEMENT AND ASPHALTIC SURFACE WERE COMPUTED USING 112 LBS PER SQUARE YARD INCH OF COMPACTED MATERIAL.

UNLESS OTHERWISE SHOWN.

THE ENGINEER IN THE FIELD

PAVEMENT MARKING SHALL MEET MUTCD STANDARDS.

RGY.COM	TELEPHONE: 715.372.4287 ATTENTION: ROBERT LAHTI EMAIL: BOB.LAHTI@BAYFIELDELECTRIC.COM
	TOWN OF MASON
	SANITARY SEWER

60020 HANSON ROAD MASON, WI 54856 TELEPHONE: 715.765.4711 ATTENTION: SUSAN HIATT (CLERK) EMAIL: RHHIATT@CHEQNET.NET

BAYFIELD COUNTY HD CONTACT:

EMAIL: BOB.ANDERSON@BAYFIELDCOUNTY.WI.GOV

BAYFIELD ELECTRIC CO-OP

BAYFIELD COUNTY HIGHWAY DEPARTMENT

311 S 1ST AVENUE E

WASHBURN, WI 54891

TELEPHONE: 715.373.6115

ATTENTION: BOB ANDERSON

68460 DISTRICT STREET

IRON RIVER, WI 54847

CELLPHONE: 715.209.0186

PO BOX 428

LIST DATE 10/10 /23

ELECTRIC

PO BOX 68

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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	BORING LOG								
NO.	STATION (APPROX)	ASPHALT THICKNESS (INCHES)	EXISTING BASE THICKNESS (INCHES)						
1	211+00	3	9						
2	143+00	3	9						
3	96+00	2	10						
4	39+00	2	11						

PREVIOUS EXCAVATIONS COMPLETED BY BAYFIELD COUNTY HIGHWAY DEPARTMENT DURING STORM SEWER AND DRAINAGE PIPE REPLACEMENTS SHOWED AN EXISTING ASPHALT THICKNESS OF 4 TO 5 INCHES IN THOSE EXCAVATIONS.

	HYDROLOGIC SOIL GROUP											
	A		Ą	В		С		D				
	SLOPE	RANGE	(PERCENT)	SLC	PE RANG	GE (PERCENT)	SLO	PE RANG	ie (Percent)	SLOP	E RANGE	(PERCENT)
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS						.7585						
ROOFS						.7595						
GRAVEL ROADS, SHOU	JLDERS					.4060						
TOTAL PROJECT AREA	= 0.04	ACRES										

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 14.066 ACRES

PROJECT NO:	8351-07-78	HWY: CTH E	COUNTY: BAYFIELD	1		GENERAL NOTES	5	
				DLOT DATE -	2/12/2024 E-ER ANA	DI OT BY	DEBBICK BACUA	DLOT NAME -

LAYOUT NAME - 01



2

SUPER ELEVATIONS SHALL MATCH EXISTING ROADWAY SUPER ELEVATIONS.

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

THE LOCATION OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA

WHEN THE QUANTITY OF HMA PAVEMENT OR BASE AGGREGATE DENSE IS MEASURED BY THE TON, THE DEPTH OR THICKNESS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY

RESTORE SIDE ROAD INTERSECTIONS AND PRIVATE ENTRANCES TO EXISTING CONDITIONS

THE EXACT CONSTRUCTION LIMITS OF PRIVATE ENTRANCES SHALL BE COORDINATED WITH

ORDER OF SHEETS - SECTION 2:

GENERAL NOTES TYPICAL SECTIONS CONSTRUCTION DETAILS ALIGNMENT DETAILS

RUNOFF COEFFICIENT TABLE



X:\AE\B\BAYFC\173084\C3D\83510708\SHEETSPLAN\020301_TS.DWG LAYOUT NAME - 01 FILE NAME :

PLOT DATE : PLOT BY : ANNIE JEROME 2/1/2024 1:57 PM

PLOT NAME :

2

NOTES:

*** PAVEMENT WIDTH VARIES BETWEEN STA 190+91 - 192+01 LT AND STA 194+65 - 195+10 LT & RT

SHEET



PLOT DATE : 2/1/2024 1:57 PM

ANNIE JEROME PLOT BY :

PLOT NAME :

2

NOTES:

- * PAVEMENT WIDTH TO BE 13.0' ON INSIDE CURVES FROM PC TO PT BETWEEN STA 11+38.44 - STA 189+85.34.
- ** SHOULDER WIDTH TO BE 1.0' 2.0' ON INSIDE CURVES FROM PC TO PT.
- *** PAVEMENT WIDTH VARIES BETWEEN STA 190+91 - 192+01 LT AND STA 194+65 - 195+55 LT & RT

TOPSOIL, SEED, FERTILIZE, AND ERÓSION MAT URBÁN

- MINIMIZE GRADING AREA BEYOND THE - CONCRETE CURB AND GUTTER

- CROSS SLOPE VARIES TO MATCH EXISTING CONCRETE CURB AND GUTTER ELEVATION AND EXISTING CROSS SLOPE (TYP)

SHEET

WISDOT/CADDS SHEET 42



SIDE ROAD



"REMOVING ASPHALTIC SURFACE BUTT JOINTS" MATERIAL SHALL NOT BE REMOVED UNDER THIS ITEM UNTIL 24 HOURS BEFORE SIDE ROAD PAVING.

REMOVE MATERIAL UNDER ITEM

SIDE ROAD PAVEMENT DEPTH SHALL MATCH AT MAINLINE PAVEMENT EDGE AND BE TAPERED TO 4" MINIMUM AT JOINT.

ANY SAWCUT USED WILL BE CONSIDERED INCIDENTAL TO THE ITEM "REMOVING ASPHALTIC SURFACE BUTT JOINTS".

23' - 53' OR AS SHOWN ON PLAN

- L = VARIABLE, EXACT LENGTH TO DE DETERMINED IN THE FIELD BY THE ENGINEER. BLEND BACK ON THE ENTRANCE FAR ENOUGH TO GET A SMOOTH PROFILE.
- D = DRIVEWAY WIDTH (MATCH EXISTING SURFACE MATERIAL AND WIDTH).
- ** MATCH EXISTING RADIUS WHERE POSSIBLE.
- * 3' MAX OR TO FINISHED SHOULDER WHICHEVER IS LESS.

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FILE NAME : X:\AE\B\BAYFC\173084\C3D\83510708\SHEETSPLAN\027201_AD.DWG LAYOUT NAME - 01

PLOT DATE : PLOT BY : ANNIE JEROME PLOT NAME : 2/1/2024 1:59 PM

WISDOT/CADDS SHEET 44



Estimate Of Quantities

					8351-07-78	
Line	Item	Item Description	Unit	Total	Qty	
0002	204.0110	Removing Asphaltic Surface	SY	3,250.000	3,250.000	
0004	204.0115	Removing Asphaltic Surface Butt Joints	SY	2,550.000	2,550.000	
0006	204.0150	Removing Curb & Gutter	LF	150.000	150.000	
8000	204.0155	Removing Concrete Sidewalk	SY	50.000	50.000	
0010	204.0245	Removing Storm Sewer (size) 01. 8-inch PVC	LF	4.000	4.000	
0012	204.0245	Removing Storm Sewer (size) 02. 12-inch CMP	LF	2.000	2.000	
0014	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 8351-07-78	EACH	1.000	1.000	
0016	213.0100	Finishing Roadway (project) 01. 8351-07-78	EACH	1.000	1.000	
0018	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,300.000	3,300.000	
0020	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	100.000	100.000	
0022	325.0100	Pulverize and Relay	SY	66,700.000	66,700.000	
0024	374.1020.S	QMP Pulverize and Relay Compaction	SY	66,700.000	66,700.000	
0026	450.4000	HMA Cold Weather Paving	TON	3,400.000	3,400.000	
0028	455.0605	Tack Coat	GAL	6,200.000	6,200.000	
0030	460.2000	Incentive Density HMA Pavement	DOL	8.710.000	8.710.000	
0032	460.6223	HMA Pavement 3 MT 58-28 S	TON	7.725.000	7.725.000	
0034	460.6244	HMA Pavement 4 MT 58-34 S	TON	5.900.000	5,900,000	
0036	460.9000.S	Material Transfer Vehicle	FACH	1.000	1.000	
0038	465 0105	Asphaltic Surface	TON	600 000	600 000	
0040	465 0120	Asphaltic Surface Driveways and Field Entrances	TON	260,000	260,000	
0042	465 0315	Asphaltic Flumes	SY	12 000	12 000	
0042	601 0411	Concrete Curb & Gutter 30-Inch Type D	LE	230,000	230,000	
0046	611 8110	Adjusting Manhole Covers	EACH	1 000	1 000	
0040	611 8115	Adjusting Inlet Covers	EACH	1.000	1.000	
0050	618 0100	Maintenance and Repair of Haul Roads (project) 01, 8351-07-78	EACH	1.000	1.000	
0052	619 1000	Maintenance and Repair of Hadi Roads (project) of . 0001 07 70	EACH	1.000	1.000	
0054	624 0100	Water	MGAI	500.000	500.000	
0054	625.0100	Topsoil	ev	180.000	180.000	
0050	628 1504	Silt Eanco	15	50,000	50.000	
0030	628 1520	Silt Fence Maintananca		50.000	50.000	
0000	629 1005	Mobilizations Erasion Control		1 000	1 000	
0064	628,1905	Mobilizations Enorgonau Erocion Control	EACH	1.000	1.000	
0004	628.2006	Freedom Met Lithen Class LTure A	EACH	190,000	180.000	
0000	628,2006	Let Protection Type A		1 000	1 000	
0000	628 7015	Inlet Protection Type A	EACH	1.000	1.000	
0070	620.7015	Culvert Ding Checke	EACH	1.000	1.000	
0072	620.7555	Culvent Pipe Checks		2.000	2.000	
0074	629.0210	Perdiag Mixture No. 40	CWI	0.150	0.150	
0076	630.0140	Seeding Mixture No. 40	LB	10.000	10.000	
0078	642.5001	Field Office Type B	EACH	1.000	1.000	
0080	643.0300	Traffic Control Drums	DAY	1,000.000	1,000.000	
0082	643.0900	I rattic Control Signs	DAY	1,700.000	1,700.000	
0084	643.5000	I raffic Control	EACH	1.000	1.000	
0086	646.2020	Marking Line Epoxy 6-Inch Marking Line Source Dev Deint 4 Jack		41,375.000	41,375.000	
0088	646.4505	INIARKING LINE Same Day Paint 4-Inch	LF 	19,300.000	19,300.000	
0090	646.4720	Marking Line Same Day Epoxy 6-Inch	LF	22,000.000	22,000.000	
0092	648.0100	Locating No-Passing Zones	MI	4.030	4.030	
0094	650.5000	Construction Staking Base	LF	484.000	484.000	
0096	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	230.000	230.000	
0098	650.8000	Construction Staking Resurfacing Reference	LF	20,794.000	20,794.000	
0100	650.9911	Construction Staking Supplemental Control (project) 01. 8351-07-78	EACH	1.000	1.000	

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03/01/2024 10:28:35

Page 1

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Estimate Of Quantities

					8351-07-78
Line	Item	Item Description	Unit	Total	Qty
0102	650.9920	Construction Staking Slope Stakes	LF	484.000	484.000
0104	690.0150	Sawing Asphalt	LF	500.000	500.000
0106	740.0440	Incentive IRI Ride	DOL	16,120.000	16,120.000

03/01/2024 10:28:35

Page 2

	REMO	VING ASPHALTIC SURFAC	: <u>E</u>			REMOVING C	ONCRETE SIDEWALK	Shifting .
	STATION	204.0110 LOCATION SY	COMMENTS		STATION	LOCATION	204.0155 SY	(
3	CTH E 190+71- 195+55 ITEM TOTAL	LT & RT 3250 3250	URBAN SECTION		CTH E 190+71 - 195+55 ITEMTOTAL	RT –	50 MAY BE INCLUDES S	PRE
	REMOVING A STATION CTH E 10+00 - 11+50 64+00 67+50 163+18 163+35 164+55 166+25 171+50 189+21 - 190+71 189+61 190+86 195+55 - 197+05 200+00 201+62 202+53 204+00 205+55 209+08 209+74 210+20 221+28.29 - 222+78.29 ITEM TOTAL	SPHALTIC SURFACE BUTT 204.0115 LOCATION SY LT & RT 470 LT & T 45 LT 45 LT 7 RT 15 LT 7 RT 40 RT 42 LT & RT 520 LT 15 LT 20 LT & RT 470 LT & RT 120 RT 17 RT 170 RT 17 RT 170 RT 7 RT 7 RT 7 RT 7 RT 70 RT 7 RT 40 LT & RT 470	COMMENTS CTH E MOONSHINE ALLEY RD MOONSHINE ALLEY RD PE PE BIBON RD SUTHERLAND RD CTH E PE PE CTH E NORTHERN LIGHTS BLVD PE PE PE PE PE PE PE PE PE PE PE PE PE		STATION CTH E 192+99 ITEM TOTAL EMITOTAL CTH E 10+00 - 222+78.29 ITEM TOTALS	REMOVING S	TORM SEWER 204.0245.01 8-INCH LF 4 4 4 211.0101 SPHALTIC PAVING (PROJECT) EACH CO 1 83: 1 83:	<u>MME</u>
	RE STATION CTH E 192+95 - 194+68 ITEM TOTAL	MOVING CURB & GUTTER 204.0150 LOCATION RT 150	COMMENTS		STATION CTH E 10+00 - 222+78.29 ITEM TOTAL	DADWAY (PROJEC	2 1) <u>213.0100</u> <u>EACH</u> COMME <u>1</u> 8351-0 <u>1</u>	<u>=NTS</u> 17-78
PROJECT NO:	8351-07-78	HWY: CTH	ł E	COUNTY: BAYFIELD	MISCELLANEOU	JS QUANTITIES		

COMMENTS

ESENT UNDER ASPHALT 192+99 OUTLET CONCRETE

204.0245.02 12-INCH LF	COMMENTS		
2	4-INCH IS VERTICA	L PIPE	
NTS			
7-78			
1			
		SHEET	E



			1
			3
COMMENTS			
	SHEFT	F	
	5.1LL1		

STATION LOCATION CTH E 193+83 RT 194+46.30 2.5' LT ITEM TOTALS	NG 611.8110 611.8115 MANHOLE INLET COVERS COVERS EACH EACH 1 1 1 1	<u>STATION</u> CTH E 10+00 - 222+78.29 192+99 193+82 193+83 ITEMTOTALS	628.1504 628.1520 SILT SILT FENCE MAINTENANCE LOCATION LF MAINTENANCE S LT & RT 50 50 LT RT 50 50	EROSION CONTROL ITEMS 628.1905 628.1910 MOBILIZATIONS EROSION EMERGENCY EROSION CONTROL EACH EACH 1 1	628.7005 628.7015 628.7555 INLET INLET PROTECTION PROTECTION CULVERT TYPE A TYPE C PIPE CHECKS EACH EACH COMMENTS 1 1 1 1
MAINTENANCE AND REPAIR OF HAUL ROMSTATIONLOCATION618STATIONLOCATIONE4CTH E 10+00 - 222+78.29LT & RTITEM TOTAL1CA	ADS .0100 ACH 1 .T 0020	<u>STATION</u> CTH E 10+00 - 222+78. ITEMTOTAL	FIELD OFFICE TYPE B LOCATION EAC .29 1 1	001 CH	
MOBILIZATION STATION LOCATION CTH E 10+00 - 222+78.29 ITEM TOTAL	19.1000 EACH 11	<u>STATION - STATI</u> CTH E 10+00 - 222+78. ITEM TOTALS	TRAFFIC CONTROL ITE 643.0300 DRUMS DAYS DRY .29 50 1000 1000 1000	MS 643.0900 643.5000 TRAFFIC SIGNS CONTROL DAY EACH 1700 1 1700 1	
WATER <u>STATION</u> LOCATION CTH E 10+00 - 222+78.29 LT & RT ITEM TOTAL	24.0100 MGAL 500 500				
TOPSOIL, EROSIO 6 STATION LOCATION CTH E 192+75 - 195+55 RT ITEM TOTALS	N MAT, FERTILIZER, & SEED \$25.0100 628.2006 629.0210 630.014 EROSION MAT URBAN CLASS FERTILIZER MIXTUR OPSOIL I TYPE A TYPE B NO.40 SY SY CWT LB 180 180 0.15 10 180 180 0.15 10	40 NG RE 0			
PROJECT NO: 8351-07-78	HWY: CTH E C	COUNTY: BAYFIELD	MISCELLANEOUS QUANTITIES		SHEET

PLOT SCALE : 1 IN:2 FT

STATION CTH E 10+00 - 2224 10+00 - 18+5 18+52 - 30+0 30+00 - 55+0 55+00 - 62+6 62+63 - 70+0 70+00 - 78+5 78+50 - 88+2 88+25 - 96+0 96+00 - 110+ 110+00 - 122 122+00 - 163 163+00 - 172 172+00 - 178 178+00 - 186 186+50 - 186	LOCA +78.29 LT & 52 C 00 C 00 C 50 C 50 C 50 C 25 C 25 C 25 C 2400 C 2400 C 2400 C 2400 C 2400 C 5450 C 550 C	646.20 MARK LINE EPO: 6-INC (WHIT ATION LF & RT 4137 CL CL CL CL CL CL CL CL CL CL CL CL CL	020 646.4505 ING MARKING E LINE XY SAME DAY PAIN CH 4-INCH TE) (YELLOW) LF 75 75 75 75 75 75 75 75 75 75	646.4720 MARKING LINE IT SAME DAY EPOXY 6-INCH (YELLOW) LF 1740 1440 625 951 1475 1065 250 965 2800 1500 750 1375 1800 750 215 415	COMME WHITE, ED YELLOW, CL DOU YELLOW, CL NO PASS YELLOW, CL NO PASS	GELINE JBLE YELLOW SING NORTHBOUND SSING ZONE JBLE YELLOW SING NORTHBOUND SSING ZONE SING SOUTHBOUND JBLE YELLOW SING SOUTHBOUND SSING ZONE SING SOUTHBOUND SSING ZONE		STA CTI- 10 ITEI	ATION 1 E 1+00 - 222+78.29 M TOTAL INCENTIVE	LOCATION LT & RT	690.0150 ASPHALT LF 500 500	COMMENTS ENTRANCES
STATION CTH E 10+00 - 2224 10+00 - 18+5 18+52 - 30+0 30+00 - 55+0 55+00 - 62+6 62+63 - 70+0 70+00 - 78+5 78+50 - 88+2 88+25 - 96+0 96+00 - 110+ 110+00 - 122 122+00 - 152 152+00 - 163 163+00 - 172 172+00 - 176 178+00 - 186 186+50 - 186	LOCA +78.29 LT & 52 C 00 C 00 C 00 C 50 C 50 C 25 C 00 C 2+00 C 2+00 C 2+00 C 2+00 C 3+00 C 5+50 C 5+50 C 5+50 C 5+00 C 8+00 C 5+00 C 5+00 C	ATION LF	25 1740 1240 200 825 1475 920 80 835 2800 1300 240 1200 1800 650 70 355 2750 165	1740 1440 625 951 1475 1065 250 965 2800 1500 750 1375 1800 750 215 415	WHITE, ED YELLOW, CL DOU YELLOW, CL NO PASS YELLOW, CL NO PASS	ENTS GELINE JBLE YELLOW SING NORTHBOUND SSING ZONE SING SOUTHBOUND JBLE YELLOW SING SOUTHBOUND JBLE YELLOW SING SOUTHBOUND SSING ZONE SING SOUTHBOUND SSING ZONE SING SOUTHBOUND SING SOUTHBOUND SING SOUTHBOUND		ITE	M TOTAL	IRI RIDE	500	
CTH E 10+00 - 2224 10+00 - 18+5 18+52 - 30+6 30+00 - 55+00 - 62+6 62+63 - 70+6 70+00 - 78+5 78+50 - 88+2 88+25 - 96+6 96+00 - 110+ 110+00 - 122 122+00 - 152 152+00 - 163 163+00 - 172 172+00 - 186 186+50 - 189	+78.29 LT & 52 C 50 C 5400 C 8+00 C 8+50 C 5+50 C 5+00 C 8+00 C 2+78.29 C	& RT 4137 DL 201 DL	75 1740 1240 200 825 1475 920 80 835 2800 1300 240 1200 1800 650 70 355 2750 165	1740 1440 625 951 1475 1065 250 965 2800 1500 750 1375 1800 750 215 415	WHITE, ED YELLOW, CL NO PASS YELLOW, CL NO PASS	IGELINE JBLE YELLOW SING NORTHBOUND SSING ZONE SING SOUTHBOUND JBLE YELLOW SING NORTHBOUND JBLE YELLOW SING SOUTHBOUND JBLE YELLOW SING SOUTHBOUND SSING ZONE SING SOUTHBOUND		ST	INCENTIVE	IRI RIDE		
55+00 - 62+6 62+63 - 70+0 70+00 - 78+5 78+50 - 88+2 88+25 - 96+0 96+00 - 110+ 110+00 - 122 122+00 - 152 152+00 - 163 163+00 - 172 172+00 - 186 186+50 - 189	63 C 00 C 50 C 50 C 50 C 50 C 25 C 00 C 2+00 C 2+00 C 2+00 C 8+00 C 8+50 C 5+50 C 5+50 C 5+00 C 8+00 C 2+78.29 C	5L 5L 5L 5L 5L 5L 5L 5L 5L 5L	825 1475 920 80 835 2800 1300 240 1200 1800 650 70 355 2750 165	951 1475 1065 250 965 2800 1500 750 1375 1800 750 215 415	YELLOW, CL NO PASS YELLOW, CL NO PASS	ING SOUTHBOUND JBLE YELLOW SING NORTHBOUND SSING ZONE ING SOUTHBOUND JBLE YELLOW SING NORTHBOUND SSING ZONE ING SOUTHBOUND		ST	INCENTIVE	IRI RIDE		
110+00 - 122 122+00 - 152 152+00 - 163 163+00 - 172 172+00 - 176 178+00 - 186 186+50 - 189	2+00 C 2+00 C 2+00 C 3+00 C 2+00 C 8+00 C 6+50 C 9+75 C 3+50 C 5+00 C 8+00 C 2+78.29 C	5L 5L 5L 5L 5L 5L 5L 5L 5L 5L	1300 240 1200 1800 650 70 355 2750 165	1500 750 1375 1800 750 215 415	YELLOW, CL NO PASS YELLOW, CL PA YELLOW, CL NO PASS YELLOW, CL NO PASS YELLOW, CL NO PASS	SING NORTHBOUND SSING ZONE SING SOUTHBOUND		ST				
152+00 - 163 163+00 - 172 172+00 - 178 178+00 - 186 186+50 - 189	3+00 C 2+00 C 8+00 C 6+50 C 9+75 C 3+50 C 5+00 C 8+00 C 8+00 C 2+78.29 C		1200 1800 650 70 355 2750 165	1375 1800 750 215 415	YELLOW, CL NO PASS YELLOW, CL DOD			ST				
<u>172+00 - 178</u> 178+00 - 186 186+50 - 189	8+00 C 8+50 C 9+75 C 3+50 C 5+00 C 8+00 C 2+78.29 C		650 70 355 2750 165	750 215 415	VELLOW CL NO PASS			51/	ATION	LOCATION	740.0440 DOL	COMMENTS
186+50 - 189	9+75 C 3+50 C 5+00 C 5+00 C 8+00 C 2+78.29 C		355 2750 165	215	VELLOW CL BA	SING NORTHBOUND		CT	HE			
100.75 202	5+50 C 5+00 C 8+00 C 2+78.29 C		165	2750	YELLOW, CL NO PASS			10	0+00 - 222+78.29	LT & RT	16120	
203+50 - 205	2+78.29 C		105	190	YELLOW, CL NO PASS	SING NORTHBOUND		ITE	MTOTAL		16120	-
218+00 - 222			550	619	YELLOW, CL NO PASS	SING SOUTHBOUND						
ITENTOTALO			10000	22222								
TIEMITOTALS		4137	5 19300	22000								
STATION CTH E 10+00 - 222+1	LOCATING	LOCATION	0NES 648.0100 MI 4.03									
ITEM TOTAL		_	4.03									
			CONSTRUCT 650.5000	10N STAKING 650.5500	650 8000	650.9911	650,9920					
			BASE	CURB GUTTER AND CURB & GUTTER	RESURFACING REFERENCE	SUPPLEMENTAL CONTROL (PROJECT)	SLOPE STAKES					
STATION		LOCATION	LF	LF	LF	EACH	LF					
CTH E 10+00 - 190+ 190+71 - 195 195+55 - 222	-71 5+55 2+78.29	LT & RT LT & RT LT & RT	484	230	18071 2723	1	484					
ITEM TOTALS	5	-	484	230	20794	1	484					
O: 8351-07-	-78		HWY: CTH E		COUNTY: BAYF	IELD	MISCELLANEOUS QUA	 NTITIES				SHEET

SA	W	NG
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ANNIE JEROME PLOT DATE : PLOT BY : 2/1/2024 2:02 PM

PLOT NAME :



- PI STA = 194+76.61 Y = 402069.262 X = 772923.196 DELTA = 89°18'27" RT D = 114°35'30" T = 49.40' 1 = 77 94' R = 50.00' PC STA = 194+27.22 Y = 402023.901 X = 772903.634 PT STA = 195+05.15 Y = 402050.250 X = 772968.790 DB = N23°19'38"E DA = S67°21'55"E
- PI STA = 199+65.78 Y = 401872.976 X = 773393.938 DELTA = 41°00'34" LT D = 19°05'55" T = 112.19' L = 214.72' R = 300.00' PC STA = 198+53.58 Y = 401916.154 X = 773290.386 PT STA = 200+68.31 Y = 401908.343 X = 773500.411 DB = S67°21'55"E DA = N71°37'31"E

STA 197+22 LT CONSTRUCT GRAVEL PE

	198453	58				
(G)			LEGEND			5
K		A	MARKING LINE EPOX	Y 6-INCH (WHITE)		
		B	MARKING LINE SAME	E DAY EPOXY 6-INCH (DOUBLE YELLC	W)	
/	3 11 1 2 W	©	MARKING LINE SAME	E DAY EPOXY 6-INCH (YELLOW)		
_		D	MARKING LINE SAME	E DAY EPOXY 6-INCH (YELLOW SKIP)		
	970	E	MARKING LINE EPOX	Y 6-INCH (WHITE SKIP 3' LINE, 9' GA	P)	
_	965					
	960					
	955					
_						
	950					
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	945					
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_	040					
_	940					
	935					
10	97					
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WISDOT/CADDS SHEET 44



X:\AE\B\BAYFC\173084\C3D\83510708\SHEETSPLAN\050201_PN.DWG LAYOUT NAME - 04

PLOT DATE : PLOT BY : ANNIE JEROME 2/1/2024 2:03 PM



FILE NAME : X:\AE\B\BAYFC\173084\C3D\83510708\SHEETSPLAN\050201_PN.DWG LAYOUT NAME - 05 PLOT DATE : 2/1/2024 2:03 PM PLOT BY : ANNIE JEROME PLOT NAME :



FILE NAME : X:\AE\B\BAYFC\173084\C3D\83510708\SHEETSPLAN\050201_PN.DWG LAYOUT NAME - 06 PLOT DATE : 2/1/2024 2:03 PM PLOT BY : ANNIE JEROME

PLOT NAME :



PLOT NAME

WISDOT/CADDS SHEET 44



Standard Detail Drawing List

08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D20-01	DRI VEWAYS WI TH CURB & GUTTER RETURNS
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PI PE CHECK
09A01-14A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UN
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C19-08A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

INTERSECTION BYPASS LANE

NDIVIDED ROAD OPEN TO TRAFFIC



SDD 08D01 23a

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DEPARTMENT OF TRANSPORTATION





GENERAL NOTES

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.



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A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

W: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

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08D20

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DRIVEWAYS WITH CURB AND GUTTER RETURNS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 00-00-00 DATE

/S/ <AUTHOR> ROADWAY STANDARDS DEVELOPMENT ENGINEER





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GENERAL NOTES

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

- \bigcirc 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 $1/_8$ " X $1/_8$ " 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.







(WHEN REQUIRED BY THE ENGINEER)





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END VIEW



SIDE VIEW

CULVERT PIPE CHECK (INSTALL ON INLET END ONLY)

SDD 08E15 2

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SDD 08E15 - 01

CULVERT PIPE CHECK

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2019 DATE

/S/ Daniel Schave EROSION CONTROL ENGINEER

FHWA



SDD 09A01 . -**4**a











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SDD

15C04

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

- 2" MIN. 2

NOTE: TYPICALLY LEFT OF CENTER

LINE IN THE -

OF TRAFFIC

JOINT LINE

*6" EDGE LINE (WHITE) -

DIRECTION

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(1) Lo (2) M S

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TWO WAY TRAFFIC

ONE WAY TRAFFIC

BLACK LAG

MARKING

SHOULDER

6" EDGE LINE (YELLOW) -

2" MIN. 2

SHOULDER

2

3" 🗐

PERMANENT PAVEMENT MARKING

T

50'

LANE LINE

– MARKING

(WHITE)

SDD 15C08-23a

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GENERAL NOTES

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

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

3a

C08-2

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PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE

/S/ Jeannie Silver STATEWIDE SIGNING AND MARKING ENGINEER

SDD 15C08-23b

SDD 15C19-08a

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MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

DEPARTMENT OF TRANSPORTATION

APPROVED February 2023 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER 6

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SDD 15C35-06a

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15C35-06a ۵ SD

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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(1)

LOOSE

GRAVEL

DIRECTION OF TRAFFIC

WARNING SIGNS

DIP

DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

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GRAVEL

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GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

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

ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE

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

DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, 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.

(2) ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.

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TRAFFIC CONTROL, **MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED February 2021 DATE

/S/ Andrew Heidtke STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

PLOT DATE : 2/1/2024 2:04 PM

WISDOT/CADDS SHEET 49

PLOT DATE : 2/1/2024 2:04 PM PLOT BY : PLOT NAME :

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov

