

FILE NAME : X:\KO\L\LAFAY\166554\5-FINAL-DSGN\CIVIL 3D-50TH AVE\SHEETSPLAN\010101 TI.DWG

GENERAL NOTES:

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 THE ENGINEER.

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

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

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.

ALL CURB AND GUTTER RADII, PAVEMENT DIMENSIONS AND STATIONS ARE SHOWN TO THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING DRIVEWAYS AND PAVEMENTS AT REMOVAL LIMITS.

ACCESS TO ALL RESIDENCES SHALL BE MAINTAINED DURING CONSTRUCTION.

RESTORE SIDE ROAD INTERSECTIONS AND PRIVATE ENTRANCES TO EXISTING CONDITIONS UNLESS OTHERWISE SHOWN.

THE EXACT CONSTRUCTION LIMITS OF PRIVATE ENTRANCES SHALL BE COORDINATED WITH THE ENGINEER IN THE FIELD.

PAVEMENT MARKING SHALL MEET MUTCD STANDARDS.

SEE CONSTRUCTION DETAIL "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" AND "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR TRAFFIC CONTROL SIGNING AND DEVICES ALONG 50TH AVENUE AND ALL SIDE ROADS.

RUNOFF COEFFICIENT TABLE

HYDROLOGIC SOIL GROUP												
		A			В		С		D			
	SLOPI	E RANGE	(PERCENT)	SLO	OPE RANG	GE (PERCENT)	SLC	PE RANG	GE (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	CONCRETE .8095											
BRICK .7080												
DRIVES, WALKS	DRIVES, WALKS .7585											
ROOFS .7595												
GRAVEL ROADS, SHOULDERS .4060												

_			EMAIL: matthew.thornser	n@dot.wi.gov EMAIL: CHA	IRMAN@LAFAYETTETOWI
	GRAVEL ROADS, SHOULDERS .406			0	c
	TOTAL PROJECT AREA = 16.9 ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0 ACRES				
PROJEC	T NO: 8996-01-11	HWY: 50TH AVENUE	COUNTY: CHIPPEWA	GENERAL NOTES	

FILE NAME X:\KO\L\LAFAY\166554\5-FINAL-DSGN\CIVIL 3D-50TH AVE\SHEETSPLAN\020101 GN.DWG LAYOUT NAME - 01

PLOT DATE :

PLOT NAME

SHORT ELLIOTT HENDRICKSON INC WI DEPT OF NATURAL RESOURCES DNR WEST CENTRAL REGION CHIPPEWA FALLS WI 54729-2550 1300 WEST CLAIREMONT AVENUE EAU CLAIRE WI 54701 TELEPHONE: 715.934.9014 EMAIL: TKRISTA@SEHINC.COM ATTENTION: LEAH NICOL EMAIL: LEAH.NICOL@WISCONSIN.GOV

WDNR LIAISON:

TOWN OF LAFAYETTE CONTACT

TOWN OF LAFAYETTE 5765 197TH ST CHIPPEWA FALLS, WI 54729 TELEPHONE: 715.215.0461 ATTENTION: DAVID STABER /NSHIP ORG

8/8/2022 10:24 AM

DESIGN CONTACT:

10 NORTH BRIDGE STREET

TELEPHONE: 715.577.3689

WISDOT CONTACT:

WISDOT NORTHWEST REGION

718 W CLAIREMONT AVENUE

TELEPHONE: 715.225.4159

ATTENTION: MATT THORNSEN

EAU CLAIRE WI 54701

ATTENTION: TARA KRISTA

PLOT BY : LAURA SCHIMMEL

UTILITY CONTACT LIST:

AT&T WI - COMMUNICATIONS 304 S DEWEY STREET EAU CLAIRE WI 54701 TELEPHONE: 715.839.5929 (OFFICE) 715.410.0656 (CELL) ATTENTION: RICK PODOLAK EMAIL: RP4514@ATT.COM

MAGELLAN PIPELINE - GAS/PETROLEUM TELEPHONE:918.574.7157 (OFFICE) 918.600.4972 (CELL) ATTENTION: BRYAN FERGUSON EMAIL:BRYAN.FERGUSON@MAGELLANLP.COM

SPECTRUM 1201 MCCANN DRIVE ALTOONA, WI 54720 TELEPHONE:715.955.4546 (OFFICE) 715.896.6503 (CELL) ATTENTION:SUNNY RICHARDSON EMAIL:SUNNY.RICHARDSON@CHARTER.COM

XCEL ENERGY - ELECTRICITY-DISTRIBUTION 1400 WESTERN AVENUE EAU CLAIRE WI 54701 TELEPHONE:715-226-8936 (OFFICE) ATTENTION: TYSON KALIEN EMAIL:TYSON.KALIEN@XCELENERGY.COM

XCEL ENERGY - ELECTRICITY-TRANSMISSION 414 NICOLLET MALL 5TH/ FLOOR MINNEAPOLIS, MN 55401 TELEPHONE:612-321-3109 (CELL) ATTENTION: MITCHELL DIENGER EMAIL:MITCHELL.A.DIENGER@XCELENERGY.COM

XCEL ENERGY - GAS/PETROLEUM 1400 WESTERN AVENUE EAU CLAIRE WI 54701 TELEPHONE:715.737.6079 (OFFICE), 715.271.6883 (CELL) ATTENTION: MELISSA GOETTL (EWINGS) EMAIL:MELISSA.A.EWINGS@XCELENERGY.COM



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FILE NAME : X:\KO\L\LAFAY\166554\5-FINAL-DSGN\CIVIL 3D-50TH AVE\SHEETSPLAN\020201 PO.DWG LAYOUT NAME - 01 PLOT DATE : 7/28/2022 9:17 PM PLOT BY : LAURA SCHIMMEL

PLOT NAME :



PLOT NAME :

PLOT SCALE : 1 IN:10 FT Ε



FILE NAME : X:\KO\L\LAFAY\166554\5-FINAL-DSGN\CIVIL 3D-50TH AVE\SHEETSPLAN\021001 CD.DWG LAYOUT NAME - 01

PLOT DATE : 7/28/2022 9:18 PM

LAURA SCHIMMEL PLOT BY :

PLOT NAME :

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- CONCRETE DRIVEWAY 6-INCH L 4" HMA PAVEMENT

- EDGE OF PAVED SHOULDER



EXISTING CONCRETE





RL

50TH

AVENUE



EXISTING 1" ASPHALTIC SURFACE

EXISTING 6.5" BASE AGGREGATE



EMOVING ASPHALTIC SURFACE	

SAWCUT REQ'D -

PROJECT NO: 8996-01-11	HWY: 50TH AVENUE	COUNTY: CHIPPEWA		CONSTRUCTION	I DETAILS	
FILE NAME : X:\KO\L\LAFAY\166554\5-FINAL-DSGN\CIVIL 3D-50TH AVE\SHEETSPLAN\02	1001 CD.DWG	PLOT D	TE: 7/28/2022 9:18 PM	PLOT BY :	LAURA SCHIMMEL	PLOT NAME :

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SECTION B-B



SIDE ROADS WITHOUT CURB & GUTTER

SHEET

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BEAM GUARD ADJUSTMENT DETAIL

PROJECT NO: 8996-01-11	HWY: 50TH AVENUE	COUNTY: CHIPPEWA		CONSTRUCTION	I DETAILS	
FILE NAME : X:\KO\L\LAFAY\166554\5-FINAL-DSGN\CIVIL 3D-50TH AVE\SHEETSPLAN\02	1001 CD.DWG	PLOT DATE :	7/28/2022 9:18 PM	PLOT BY :	LAURA SCHIMMEL	PLOT NAME :

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			I	Estimate Of (Quantities	
					8996-01-11	
Line	Item	Item Description	Unit	Total	Qty	
0002	204.0100	Removing Concrete Pavement	SY	44.000	44.000	
0004	204.0115	Removing Asphaltic Surface Butt Joints	SY	1,588.000	1,588.000	
0006	204.0120	Removing Asphaltic Surface Milling	SY	34,100.000	34,100.000	
8000	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 8996-01-11	EACH	1.000	1.000	
0010	213.0100	Finishing Roadway (project) 01. 8996-01-11	EACH	1.000	1.000	
0012	305.0110	Base Aggregate Dense 3/4-Inch	TON	671.000	671.000	
0014	416.0160	Concrete Driveway 6-Inch	SY	44.000	44.000	
0016	455.0605	Tack Coat	GAL	4,240.000	4,240.000	
0018	460.2000	Incentive Density HMA Pavement	DOL	5,070.000	5,070.000	
0020	460.6224	HMA Pavement 4 MT 58-28 S	TON	7,910.000	7,910.000	
0022	465.0110	Asphaltic Surface Patching	TON	100.000	100.000	
0024	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	270.000	270.000	
0026	614.0400	Adjusting Steel Plate Beam Guard	LF	1,590.000	1,590.000	
0028	614.0950	Replacing Guardrail Posts and Blocks	EACH	221.000	221.000	
0030	614.0951	Replacing Guardrail Rail and Hardware	LF	25.000	25.000	
0032	614.0952	Replacing Guardrail Reflectors	EACH	10.000	10.000	
0034	618.0100	Maintenance And Repair of Haul Roads (project) 01. 8996-01-11	EACH	1.000	1.000	
0036	619.1000	Mobilization	EACH	1.000	1.000	
0038	624.0100	Water	MGAL	6.800	6.800	
0040	628.1504	Silt Fence	LF	200.000	200.000	
0042	628.1520	Silt Fence Maintenance	LF	200.000	200.000	
0044	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000	
0046	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000	
0048	628,2008	Erosion Mat Urban Class I Type B	SY	100.000	100.000	
0050	642.5001	Field Office Type B	EACH	1.000	1.000	
0052	643.0300	Traffic Control Drums	DAY	140.000	140.000	
0054	643.0900	Traffic Control Signs	DAY	960.000	960.000	
0056	643.3105	Temporary Marking Line Paint 4-Inch	LF	22.300.000	22.300.000	
0058	643,5000	Traffic Control	EACH	1.000	1.000	
0060	646,1005	Marking Line Paint 4-Inch	LE	33,502,000	33 502 000	
0062	648.0100	Locating No-Passing Zones	MI	2.100	2.100	
0064	650,8000	Construction Staking Resurfacing Reference	I F	11,150,000	11,150,000	
0066	650.9911	Construction Staking Supplemental Control (project) 01, 8996-01-11	EACH	1.000	1.000	
0068	690.0150	Sawing Asphalt	L F	1.486.000	1,486,000	
0070	690.0250	Sawing Concrete	LE.	24 000	24 000	
0072	740.0440	Incentive IRI Ride	DOI	8 400 000	8 400 000	
0074	ASP 1T0A	On-the-Job Training Apprentice at \$5 00/HR	HRS	300 000	300 000	
0076	ASP 1T0G	On-the-Job Training Graduate at \$5 00/HR	HRS	300.000	300.000	
0078	SPV 0060	Special 01 Cleaning Concrete Flume	FACH	1 000	1 000	
0010	0,0000		LAGIT	1.000	1.000	

09/01/2022 15:51:53

	<u>REMOVALS</u>		PAVEMENT MARKING
	204.0115 204.0120 204.0100 REMOVING REMOVING REMOVING ASPHALTIC ASPHALTIC CONCRETE SURFACE PAVEMENT BUTTIOINTS MILLING STATION LOCATION SY SY SY	ASPHALTIC PAVEMENT ITEMS 465.0120 460.5224 465.0110 ASPHALTIC 455.0605 HMA ASPHALTIC SURFACE TACK PAVEMENT SURFACE DRIVEWAYS AND COAT 4 LT 58-28 S PATCHING FIELD ENTRANCES	649.0105 646.1005 TEMPORARY MARKING MARKING LINE LINE PAINT 4-INCH PAINT 4-INCH YELLOW YELLOW YELLOW SOLID SKIPS 2 SOLID STATION LOCATION LF
3	S0TH AVE 12+00-13+00 LT & RT 312 - 13+00-31+07 LT & RT - 5780 31+07-32+07 LT & RT 312 - 32+68-33+68 LT & RT 312 - 33+68-123+00 Lf & R1 - 28320	STATION LOCATION GAL TON TON TON 50TH AVE 12+50 - 124+00 LT & RT 4240 7910 100 - ASPH DRIVEWAYS LT & RT - - 270	50TH AVE 12+50 - 124+00 LT & RT - - - 21200 EDGELINES 12+50 - 22+00 CL 1900 238 - - - CENTERLINE 22+00 - 45+00 CL 4600 - 4600 - - CENTERLINE 45+00 - 50+50 CL 1100 - - 688 - CENTERLINE 50+50 CL 8500 1063 - - 688 - CENTERLINE
	123+00 - 124+00 LT & RT 312 - DRIVEWAYS LT & RT 44 340 - ITEM TOTAL 44 1588 34100	<u>GUARDRAIL ITEMS</u>	- 93+00 - 99+50 CL 1300 - - 813 - CENTERLINE 99+50 - 124+00 CL 4900 - 4900 - - CENTERLINE
	PREPARE FOUNDATION FOR	614.0950 614.0951 614.0400 REPLACING REPLACING 614.0952 ADJUSTING GUARDRAIL GUARDRAIL REPLACING STEEL PLATE POSTS AND RAIL AND GUARDRAIL	ITEM TOTALS 22300 33502
	ASPHALTIC PAVING (PROJECT) 211.0101 STATION EACH 50TH AVE 1 ITEM TOTAL 1	BEAM GUARD BLOCKS HARDWARE REFLECTORS STATION LOCATION LF EACH LF EACH 50TH AVE 28+53 - 32+09 LT 356 46 - - 30+23 - 32+09 RT 186 19 - - 32+66 - 35+28 LT 262 31 - - 32+66 - 40+52 RT 786 115 - -	TRAFFIC CONTROL643.0300 643.0900DRUMS SIGNS CALENDARSTATIONEACH DAY EACH DAY DAYS50TH AVE12+50 - 124+002812+502496040
		UNDISTRBUTED LT &RT - 10 25 10 ITEM TOTAL 1590 221 25 10	ITEM TOTALS 140 960 NOTE: DRUMS FOR BEAM GUARD WORK ESTIMATED AT 5 DAYS
	BASE AGGREGATE DENSE 305.0110 624.0100 3/4-INCH WATER STATION LOCATION TON MGAL	MOBILIZATIONS EROSION CONTROL628.1910628.1905628.1905EMERGENCYEROSIONEROSIONCONTROLSTATIONEACHEACH	CONSTRUCTION STAKING LOCATING NO PASSING ZONES 650.8000 SUPPLEMENTAL 650.8000 SUPPLEMENTAL RESURFACING CONTROL REFERENCE (PROJECT) STATION LF
	50TH AVE 12+50 - 124+00 LT & RT 650 6.5 AGG DRIVEWAYS LT & RT 21 0.3 ITEM TOTALS 671 6.8	50TH AVE 2 1 ITEM TOTALS 2 1	50TH AVE 2.1 50TH AVE 11150 12+50 - 124+00 11150 1 ITEM TOTAL 2.1
	CONCRETE DRIVEWAY 6-INCH 416.0160 STATION LOCATION SY	EROSION CONTROL ITEMS 628.2008 EROSION MAT 628.1520 URBAN 628.1504 SILT FENCE CLASS I SILT FENCE MAINTENANCE TYPE B STATION LOCATION LF LF SY REMARKS	SAWING 690.0150 690.0250 ASPHALT CONCRETE STATION LOCATION LF SOTH AVE SPV.0060
	50TH AVE82+88LT44ITEM TOTALS44	50TH AVE UNDISTRIBUTED LT & RT200200100IF NEEDED*ITEM TOTALS200200100	12+50 LT & RT 28 - 36+50 LT 1 124+00 LT & RT 28 - 36+50 LT 1 DRIVEWAYS LT & RT 840 24 ITEM TOTALS 1 SIDEROADS LT & RT 590 - - - -
PR	OJECT NO: 8996-01-11 HWY: 50TH AVENUE	*NEED FOR EROSION CONTROL IS NOT ANTICIPATED. COUNTY: CHIPPEWA MISCELLANEOUS	ITEM TOTALS 1486 24 SQUANTITIES SHEET E

X:\KO\L\LAFAY\1665 LAYOUT NAME - 01 4\5-FINAL-DSGN\CIVIL 3D-50TH AVE\SHEETSPLAN\030201 MQ.DWG FILE NAME :

PLOT DATE : 8/8/2022 10:25 AM

PLOT BY : LAURA SCHIMMEL



PLOT NAME :



X:\KO\L\LAFAY\166554\5-FINAL-DSGN\CIVIL 3D-50TH AVE\SHEETSPLAN\050201 PN.DWG FILE NAME : LAYOUT NAME - 02

PLOT DATE : 7/28/2022 9:25 PM

LAURA SCHIMMEL PLOT BY :

PLOT NAME :

WISDOT/CADDS SHEET 44



FILE NAME : X:\KO\L\LAFAY\166554\5-FINAL-DSGN\CIVIL 3D-50TH AVE\SHEETSPLAN\050201 PN.DWG LAYOUT NAME - 03 PLOT DATE : 7/28/2022 9:25 PM PLOT BY : LAURA SCHIMMEL PLOT NAME :



PLOT SCALE :

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WISDOT/CADDS SHEET 44

Standard Detail Drawing List

08E09-06	SILT FENCE
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE I
13C19-03	HMA LONGITUDI NAL JOI NTS
14B15-11A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B20-11E	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO BRIDGE RAILING TYPE
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS
15C08-21A	LONGITUDINAL MARKING (MAINLINE)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C19-07A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C35-05A	PAVEMENT MARKING (INTERSECTIONS)
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

INTERSECTION BYPASS LANE

PES "F" AND "W"



S.D.D. 8 E 9

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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)

GENERAL NOTES

(1) W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS. APPROVED PLASTIC BLOCKOUT DESIGNS MAY VARY FROM THIS TYPICAL DETAIL WHEN USED IN CONJUNCTION WITH STEEL POSTS.

DO NOT MIX STEEL POSTS AND WOOD POSTS IN A SINGLE INSTALLATION.

- (2) USE STRUCTURAL STEEL POSTS CONFORMING TO ASTM A 36. GALVANIZED POSTS ACCORDING TO AASHTO M 111. EITHER SET THE POSTS IN DRILLED HOLES OR DRIVE TO GRADE. REMOVE MUSHROOMING CAUSED BY DRIVING AND REPAIR DAMAGED SPELTER COATING ON GALVANIZED POSTS.
- (3) INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.
- (4) USE EITHER WOOD OR APPROVED PLASTIC BLOCKOUTS ON WOOD POSTS.
- (5) IF THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING, W BEAM (LHW).
- (6) IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 21/2 INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN YHE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATEY.
- WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE (7)NAILS OVER THE FLANGE OF THE STEEL POST.

INSTALL BEAM GUARD SECTIONS AND ALL NECESSARY HARDWARE ACCORDING TO THE APPLICABLE PLAN AND CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.

3'-6" MIN

END VIEW

STEEL POST & NOTCHED

PLASTIC BLOCKOUT ALTERNATIVE

STANDARD INSTALLATION

END VIEW

LONGER POST AT HALF

(LHW)

TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD

POST SPACING W BEAM

END VIEW

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STEEL PLATE BEAM GUARD, CLASS "A", **INSTALLATION & ELEMENTS**

DEPARTMENT OF TRANSPORTATION

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DETAIL FOR DOUBLE BLOCKS

THE NUMBER OF DOUBLE BLOCK POSTS WITHIN A BARRIER RUN IS UNLIMITED

DETAIL FOR TRIPLE BLOCKS

TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES NOTES: PREVENT THE POST FROM BEING INSTALLED.

DO NOT USE EXTRA BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

PLAN VIEW BEAM LAPPING DETAIL

POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

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STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION APPROVED June 2017 /S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT DATE UNIT SUPERVISOR

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STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO BRIDGE RAILING TYPES "F" AND "W"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Jerry H.Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

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TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

GENERAL NOTES

- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.

TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

★ IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

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CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2021 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER

SDD 15C19 - 07a

SDD 15C35 н. 05a

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(INTERSECTIONS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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GENERAL NOTES

LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

ENGINEER.

OR REMOVED AS DIRECTED BY THE ENGINEER.

INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

- (1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

F

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov

