RHI	APRIL 2020 ORDER OF SHEETS		STATE OF WISCONSIN	
PROJECT	Section No. 1 Title Section No. 2 Typical Sections and Details Section No. 3 Estimate of Quantities	3	DEPARTMENT OF TRANSPORTATION	
Ë	Section No. 3 Miscellaneous Quantities		PLAN OF PROPOSED IMPROVEMENT	
9050-03	Section No. 5 Plan and Profile Section No. 6 Standard Detail Drawings Section No. 7 Sign Plates Section No. 9 Computer Earthwork Data Section No. 9 Cross Sections TOTAL SHEETS = 148		RHINELANDER - WOODRUFF USH 8 TO KILDEER ROAD STH 47	
7			ONEIDA	
0	PROJECT	<u>LOCATION</u>	STATE PROJECT NUMBER	
		Ň	R7E R8E R9E T38 N	
COUNTY:	DESIGN DESIGNATION STH 47 DAVENPORT STLARSEN A.A.D.T. 2020 = 7,800 A.A.D.T. 2040 = 9,600 D.H.V. 2040 = 1,056 D.D. = 50/50 T. = 3,7% DESIGN SPEED = 45 MPH ESALS = 500,000	STH 47 DR. LARSEN DRKILDEER RD. 4,500 5,600 616 50/50 3.7% 55 MPH 500,000 500,000	T37 N	
ONEIDA	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 (Box or Pipe) COMBUSTIBLE FLUIDS	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	$\begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	BEGIN STA. 10 Y=163013 X=256630
	WOODED OR SHRUB AREA	UTILITY PEDESTAL POWER POLE TELEPHONE POLE	Image: Construction of the system of the	SITIONS SI RID DISTAN ELEVATIONS AF
	FILE NAME : V:\TRANS-GB\450462 STH 47\C3D\SHEETSPLAN\C	10101 TLDWG	PLOT DATE : 10/21/2019 9:00 AM PLOT BY : SOUFAL KEVIN PLO	T NAME :

Т		FEDERAL PROJEC	CT
	STATE PROJECT	PROJECT	CONTRACT
	9050-03-70	WISC 2020153	1
\vdash			
-			

END PROJECT STA 664+75

- 1

ORIGINAL PLANS PREPARED BY WISCONS ANDREW C. ≣☆ DANA 3417 BOCONTO, WI BOSSIONAL ENGINIUM 10/23/2019 (Gate) STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PREPARED BY AYRES ASSOCIATES Surveyor AYRES ASSOCIATES Designer STACY HAGENBUCHER. P.E. Project Manager **Regional Examiner** JED PETERS. P.E. **Regional Supervisor** APPROVED FOR THE DEPARTMENT DATE: 10/23/14 At 15/12 E

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<u>N PROJECT</u> 10+50 ^{13.110} 30.562

ARE WISCONSIN ONEIDA COUNTY, SHOWN ARE GRID ANCES. GRID DISTANCES IONS ARE REFERENCED ARE BASED ON GEOID 12A.

GENERAL NOTES

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

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

RESHAPE AND SEEDING OF ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS OUTSIDE OF THE ENGINEER DETERMINED CONSTRUCTION LIMITS ARE INCIDENTAL TO THE CONTRACT.

CURB AND GUTTER ELEVATIONS ARE ALONG THE FLANGE LINE UNLESS OTHERWISE NOTED. RADIUS POINTS, UNLESS OTHERWISE NOTED, ARE TO THE FLANGE LINE OF THE CURB.

CURVE DATA IS BASED ON ARC DEFINITION.

BEARINGS SHOWN ON THIS PLAN ARE TRUE BEARINGS.

PROPERTY LINES SHOWN ARE APPROXIMATE.

ANY DOWEL BARS, TIE BARS, REINFORCEMENT, OR TERMINAL ANCHORS, FOUND IN EXISTING PAVEMENT WILL BE INCIDENTAL TO THE ITEM "REMOVING PAVEMENT".

RUNOFF COEFFICIENT TABLE

		HYDROL	OGIC SOIL GROU	Р								
		Α			B	1		(:		D	
	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	E (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	.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,	SHOULDE	ERS				.4060						

SOIL GROUP

2

PROJECT NO: 9050-03-70	HWY: STH 47	COUNTY: ONEIDA		GENERAL NOTES		
FILE NAME : V:\TRANS-GB\450462 STH 47\C3D\SHEETSPLAN\020101 GN.DWG		PLOT DATE :	10/25/2019 8:59 AM	PLOT BY :	SOUFAL, KEVIN	PLOT NAME :

LAYOUT NAME - 020101 gn

PROJECT AND UTILITY CONTACTS

	135 S RHINE PHON E-MAI
*	RHINE ATTN 135 SO RHINE PHON E-MAI
*	RHINE ATTN: 135 SC RHINE PHON E-MAI
	* *

* FRONTIER COMMUNICATIONS OF WILLC COMMUNICATION LINE ATTN: CHRIS POLLACK 521 N. 4TH STREET WAUSAU, WI 54403 PHONE: 715-847-1240 EMAIL: Christopher.Pollack@FTR.com

* CHARTER COMMUNICATIONS-COMMUNICATION LINE ATTN: STEVE BROWN 821 LINCOLN STREET RHINELANDER, WI 54501 PHONE: 715-420-0301:61163 EMAIL: steve.brown@charter.com



ELANDER WATER DEPT.-WATER : TOM ROESER OUTH STEVENS STREET ELANDER, WI 54501 NE: 715-365-8624 IL: troeser@rhinelanderutilities.org

ELANDER WATER DEPT.-SEWER : TOM ROESER OUTH STEVENS STREET ELANDER, WI 54501 NE: 715-365-8624 IL: troeser@rhinelanderutilities.org

ELANDER WATER DEPT.-ROAD FACILITIES : DAN HEKRDLE OUTH STEVENS STREET ELANDER, WI 54501 NE: 715-369-2728 IL: dhekrdle@rhinelanderutilities.org

ONSIN PUBLIC SERVICE CORPORATION-ELECTRICITY ATTN: KEVIN TERMAAT PO BOX 1166 WAUSAU, WI 54401 PHONE: 715-848-7353 EMAIL: kevin.termaat@wisconsinpublicservice.com

* WISCONSIN PUBLIC SERVICE CORPORATION - GAS/PETROLEUM CHRIS GILMAN 2027 NAVAJO STREET PO BOX 160 RHINELANDER, WI 54501 PHONE: 715-490-4153 MEMBER OF DIGGERS HOTLINE EMAIL: chris.gilman@wisconsinpublicservice.com

ORDER OF SECTION 2 SHEETS

SHEET

GENERAL NOTES & CONTACTS TYPICAL SECTIONS CONSTRUCTION DETAILS PLAN DETAILS EROSION CONTROL PAVEMENT MARKING TRAFFIC CONTROL

1 IN:200 FT

PLOT SCALE :

WISDOT/CADDS SHEET 42

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PROJECT NO:	9050-03-70	HWY: STH 47	COUNTY: ONEIDA			TYPICAL SECTION	١S	
FILE NAME : V:\TRAN	NS-GB\450462 STH 47\C3D\SHEETSPLAN\020301 TS.DWG			PLOT DATE :	10/21/2019 9:02 AM	PLOT BY :	SOUFAL, KEVIN	PLOT NAME :
LAYOUT	T NAME - 020301 ts							

BASE AGGREGATE DENSE 3/4-INCH

4:1 NORMAL

BASE AGGREGATE DENSE 3/4-INCH

4:1 NORMAL 4:1 NORMAL 2:5:1 MAX.

PLOT SCALE : 1 IN:200 FT

SHEET

WISDOT/CADDS SHEET 42

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V:\TRANS-GB\450462 STH 47\C3D\SHEETSPLAN\020301 TS.DWG LAYOUT NAME - 020302 ts

PLOT DATE : PLOT BY : SOUFAL, KEVIN PLOT NAME : 10/21/2019 9:02 AM

4:1 NORMAL 2.5:1 MAX.

VARIES

PLOT SCALE : 1 IN:200 FT SHEET

WISDOT/CADDS SHEET 42

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FILE NAME : V:\TRANS-GB\450462 STH 47\C3D\SHEETSPLAN\020301 TS.DWG LAYOUT NAME - 020303 ts

2

PLOT DATE : 10/21/2019 9:02 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : 4:1 VARIES

BASE AGGREGATE DENSE 3/4-INCH

4:1 VARIES

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WISDOT/CADDS SHEET 42

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2 STH 47 CENTERLINE ASPHALTIC SURFACE SAFETY ISLAND (TO REMAIN) ASPHALTIC SURFACE (TO REMAIN) 18' CLEAR ZONE 18' CLEAR ZONE STA. 10+67 - STA. 11+75 VARIES VARIES VAR. VAR. 6' 12'-18' 2" HMA PAVEMENT 22'-28' <u>2" HMA PAVEMENT</u> <u>4 LT 58-28 S</u> <u>EXISTING ASPHALTIC</u> PAVEMENT-MILL 2" 3'-6' 0'-3' 1.5' 1.5' 4 LT 58-28 S EXISTING ASPHALTIC PAVEMENT-MILL 2" VAR VAR. 2.0% 4% A:^ GEOTEXTILE FABRIC GEOTEXTILE 4:1 NORMAL 8% 8% Œ ഹ 4:1 NORMAL 2.5:1 MAX. BASE AGGREGATE DENSE 3-INCH EXISTING 12" PIPE UNDERDRAIN 12" PIP GEOTEXTILE (TO REMAIN) UNDERDRAIN NO. 2 PCC AGGREGATE ((TO REMAIN) FABRIC CONCRETE CURB AND GUTTER 18-INCH TYPE D (TO REMAIN) (TO REMAIN) EXISTING NO. 2 PCC AGGREGATE GEOTEXTILE BASE AGGREGATE DENSE 1 1/4-INCH PIPE UNDERDRAIN** STA. 10+67-STA. 11+75 FABRIC (TO REMAIN) ** PIPE UNDERDRAIN MILLED AND RELAYED ASPHALTIC PAVEMENT SICPP 12-INCH (TO REMAIN) SICPP 12-INCH MILLED AND RELAYED ASPHALTIC PAVEMENT (TO REMAIN) (TO REMAIN) **TYPICAL FINISHED SECTION FOR STH 47** STA. 10+50 - STA. 12+54 STH 47 CENTERLINE ASPHALTIC SURFACE SAFETY ISLAND (TO REMAIN) 18' CLEAR ZONE ASPHALTIC SURFACE (TO REMAIN) 18' CLEAR ZONE STA. 13+32 - STA. 14+39 VAR. VAR VARIES VARIES VAR. VAR. 0'-3' 3'-10' 12'-28' 12'-26' BASE AGGREGATE BASE AGGREGATE 1.5' 1.5 2" HMA PAVEMENT DENSE 3/4-INCH 2" HMA PAVEMENT 4 LT 58-28 S 4 LT 58-28 S EXISTING ASPHALTIC PAVEMENT-MILL 2" EXISTING ASPHALTIC PAVEMENT-MILL 2" VAF 4% 2.0% 2.0% 4. A:^ A:1 NORMAL GEOTEXTILE GEOTEXTILE FABRIC FABRIC \mathcal{O} 8% 8% -7757575777555757 BASE AGGREGATE DENSE 3-INCH (TO REMAIN) EXISTING NO. 2 PCC AGGREGATE (TO REMAIN) CONCRETE CURB AND GUTTER GEOTEXTILE 18-INCH TYPE D (TO REMAIN) STA. 13+32-STA. 14+39 NO. 2 PCC AGGREGATE (TO REMAIN) FABRIC EXISTING SICPP 12-INCH GEOTEXTILE BASE AGGREGATE DENSE 1 1/4-INCH (TO REMAIN) FABRIC ****** PIPE UNDERDRAIN MILLED AND RELAYED SICPP 12-INCH ASPHALTIC PAVEMENT (TO REMAIN) **TYPICAL FINISHED SECTION FOR STH 47** STA. 12+54 - STA. 14+39 PROJECT NO: 9050-03-70 HWY: STH 47 COUNTY: ONEIDA **TYPICAL SECTIONS**

FILE NAME : V:\TRANS-GB\450462 STH 47\C3D\SHEETSPLAN\020301 TS.DWG LAYOUT NAME - 020304 ts PLOT DATE : 1/31/2020 9:10 AM PLOT BY : SOUFAL, KEVIN

PLOT NAME





SOUFAL, KEVIN PLOT BY : PLOT DATE : 1/31/2020 9:14 AM

1 IN:200 FT

WISDOT/CADDS SHEET 42



SOUFAL, KEVIN PLOT BY : 1/31/2020 9:15 AM





LAYOUT NAME - 021002 cd



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DETAIL FOR INFILTRATION TRENCH

		_	
PROJECT NO: 9050-03-70	HWY: STH 47	COUNTY: ONEIDA	CONSTRUCTION DETAILS
FILE NAME : V:\TRANS-GB\450462 STH 47\C3D\SHEETSPLAN\021001 CD.DWG LAYOUT NAME - 021003 cd		PLOT DATE : 1/31/2020 9:25 AM	PLOT BY : SOUFAL, KEVIN PLOT NAME :







		2	
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-1			
EDGE OF BAS	E AGGREGATE DENSE SHOULDER		
	MA PAVEMENT		
	· · · · · · · · · · · · · · · · · · ·		
EDGE OF HMA PAVEME	NT		
1:1 TYP. EDGE OF BASE AGGF	EGATE DENSE SHOULDER		
MOMMOBILE TRAI			
F			
E TRAIL CROSSING			
A. 471+08			
PLOT SCALE : 1 IN:20 FT	SHEET E WISDOT/CADDS SHFFT 42		





V:\TRANS-GB\450462 STH 47\C3D\SHEETSPLAN\021005 CD.DWG LAYOUT NAME - 021008 cd FILE NAME :

PLOT DATE : 1/31/2020 8:41 AM PLOT BY : SOUFAL, KEVIN

PLOT NAME :

PLOT SCALE : *****

WISDOT/CADDS SHEET 42



LAYOUT NAME - 020101 pd



LAYOUT NAME - 021202 pd

PLOT DATE : PLOT BY : 10/21/2019 9:03 AM SOUFAL, KEVIN



LAYOUT NAME - 021203 pd





LAYOUT NAME - 021205 pd

PLOT DATE : PLOT BY : SOUFAL, KEVIN 1/31/2020 9:28 AM



2	x x x x x x x x x x x x x x x x x x x	LEGEND EROSION MAT CLASS I, TYPE B URBAN EROSION MAT CLASS II, TYPE C SLOPE INTERCEPT INLET PROTECTION TYPE C SURFACE WATER FLOW ASPHALTIC FLUME CULVERT PIPE CHECK		L L L L	L1	
1	132 STF	H.47 133 134		99_	9 9	9-
			ll			1
				APPROXIMATE EXISTING R/W		
					O	





LAYOUT NAME - 022003 ec



2		0			
			<u>APPROXIMATE EX</u>	LISTING R/W	
	53 STH 47 . 54	©55 ©55	 56	5 ⁷	
			APPROXIMATE EXIST	TING R/W	A
		B C D U C C C C C C C C C C C C C C C C C	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW) MARKING LINE EPOXY 4-INCH (WHITE) MARKING STOP LINE EPOXY 18-INCH (WHITE) MARKING LINE EPOXY 8-INCH (WHITE) MARKING ARROW EPOXY (WHITE) MARKING WORD EPOXY (WHITE) MARKING CURB EPOXY (YELLOW)		
			MARKING ISLAND NOSE EPOXY (YELLOW) MARKING DIAGONAL EPOXY 12-INCH (YELLOW) MARKING DIAGONAL EPOXY 12-INCH (WHITE) MARKING LINE EPOXY 4-INCH (WHITE) 3' LINE 9' GAP		
	FILE NAME : V:\TRANS-GB\450462 STH 47\C3D\SHEETSPLAN\024502 PM.DWG	11001. 311147	PLOT DATE : 10/21/2019 9:06 AM		PLOT NAME :







WISDOT/CADDS SHEET 42



V:\TRANS-GB\450462 STH 47\C3D\SHEETSPLAN\025001 TC.DWG FILE NAME : LAYOUT NAME - 025001 tc

PLOT DATE : 2/25/2020 10:03 AM

DANA, ANDY PLOT BY :

PLOT NAME

WISDOT/CADDS SHEET 42



LAYOUT NAME - 025002 tc

					9050-03-70
Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	9.000	9.000
0004	201.0205	Grubbing	STA	9.000	9.000
0006	203.0100	Removing Small Pipe Culverts	EACH	1.000	1.000
8000	204.0100	Removing Pavement	SY	425.000	425.000
0010	204.0110	Removing Asphaltic Surface	SY	625.000	625.000
0012	204.0115	Removing Asphaltic Surface Butt Joints	SY	400.000	400.000
0014	204.0120	Removing Asphaltic Surface Milling	SY	240,580.000	240,580.000
0016	204.0130	Removing Curb	LF	86.000	86.000
0018	204.0150	Removing Curb & Gutter	LF	269.000	269.000
0020	204.0165	Removing Guardrail	LF	2,277.000	2,277.000
0022	205.9010.S	Grading and Shaping Intersection (location) 01. CTH K	LS	1.000	1.000
0024	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 9050-03-70	LS	1.000	1.000
0026	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	20.000	20.000
0028	213.0100	Finishing Roadway (project) 01. 9050-03-70	EACH	1.000	1.000
0030	305.0110	Base Aggregate Dense 3/4-Inch	TON	10,740.000	10,740.000
0032	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	465.000	465.000
0034	311.0110	Breaker Run	TON	225.000	225.000
0036	455.0605	Tack Coat	GAL	17,015.000	17,015.000
0038	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	s EACH	1.000	1.000
0040	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	1.000	1.000
0042	460.2000	Incentive Density HMA Pavement	DOL	1,650.000	1,650.000
0044	460.2005	Incentive Density PWL HMA Pavement	DOL	20,070.000	20,070.000
0046	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	25,780.000	25,780.000
0048	460.2010	Incentive Air Voids HMA Pavement	DOL	25,090.000	25,090.000
0050	460.5224	HMA Pavement 4 LT 58-28 S	TON	27,960.000	27,960.000
0052	465.0110	Asphaltic Surface Patching	TON	260.000	260.000
0054	465.0315	Asphaltic Flumes	SY	20.000	20.000
0056	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	49,050.000	49,050.000
0058	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	2.000	2.000
0060	521.3124	Culvert Pipe Corrugated Steel 24-Inch	LF	110.000	110.000
0062	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	86.000	86.000
0064	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	139.000	139.000
0066	602.0405	Concrete Sidewalk 4-Inch	SF	195.000	195.000
0068	606.0200	Riprap Medium	CY	33.000	33.000
0070	614.0010	Barrier System Grading Shaping Finishing	EACH	3.000	3.000
0072	614,2300	MGS Guardrail 3	LF	1.962.500	1.962.500
0074	614,2610	MGS Guardrail Terminal EAT	EACH	6.000	6.000
0076	618.0100	Maintenance And Repair of Haul Roads (project) 01. 9050-03-70	EACH	1.000	1.000

Estimate Of Quantities

3

02/19/2020 13:38:27 Page 1 3

		Estimate Of Quantities										
			9050-03-70									
Line	Item	Item Description	Unit	Total	Qty							
0078	619.1000	Mobilization	EACH	1.000	1.000							
0080	620.0300	Concrete Median Sloped Nose	SF	30.000	30.000							
0082	624.0100	Water	MGAL	112.000	112.000							
0084	625.0100	Topsoil	SY	680.000	680.000							
0086	628.1504	Silt Fence	LF	3,770.000	3,770.000							
8800	628.1520	Silt Fence Maintenance	LF	3,770.000	3,770.000							
0090	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000							
0092	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000							
0094	628.2008	Erosion Mat Urban Class I Type B	SY	4,500.000	4,500.000							
0096	628.2027	Erosion Mat Class II Type C	SY	350.000	350.000							
0098	628.7015	Inlet Protection Type C	EACH	7.000	7.000							
0100	628.7504	Temporary Ditch Checks	LF	50.000	50.000							
0102	628.7555	Culvert Pipe Checks	EACH	30.000	30.000							
0104	629.0210	Fertilizer Type B	CWT	0.400	0.400							
0106	630.0140	Seeding Mixture No. 40	LB	15.000	15.000							
0108	630.0500	Seed Water	MGAL	15.000	15.000							
0110	633.5200	Markers Culvert End	EACH	24.000	24.000							
0112	638.2102	Moving Signs Type II	EACH	7.000	7.000							
0114	638.4000	Moving Small Sign Supports	EACH	3.000	3.000							
0116	642.5001	Field Office Type B	EACH	1.000	1.000							
0118	643.0300	Traffic Control Drums	DAY	2,406.000	2,406.000							
0120	643.0420	Traffic Control Barricades Type III	DAY	68.000	68.000							
0122	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	10.000	10.000							
0124	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	10.000	10.000							
0126	643.0705	Traffic Control Warning Lights Type A	DAY	136.000	136.000							
0128	643.0715	Traffic Control Warning Lights Type C	DAY	105.000	105.000							
0130	643.0900	Traffic Control Signs	DAY	5,242.000	5,242.000							
0132	643.5000	Traffic Control	EACH	1.000	1.000							
0134	645.0120	Geotextile Type HR	SY	65.000	65.000							
0136	646.1020	Marking Line Epoxy 4-Inch	LF	45,220.000	45,220.000							
0138	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	61,840.000	61,840.000							
0140	646.3020	Marking Line Epoxy 8-Inch	LF	910.000	910.000							
0142	646.5020	Marking Arrow Epoxy	EACH	17.000	17.000							
0144	646.5120	Marking Word Epoxy	EACH	9.000	9.000							
0146	646.6120	Marking Stop Line Epoxy 18-Inch	LF	165.000	165.000							
0148	646.7120	Marking Diagonal Epoxy 12-Inch	LF	490.000	490.000							
0150	646.8120	Marking Curb Epoxy	LF	140.000	140.000							
0152	646.8220	Marking Island Nose Epoxy	EACH	11.000	11.000							

MI

LF

12.400

35,680.000

12.400

35,680.000

0154

0156

648.0100

649.0105

Locating No-Passing Zones

Temporary Marking Line Paint 4-Inch



			Quantities			
					9050-03-70	
Line	ltem	Item Description	Unit	Total	Qty	
0158	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	5,209.000	5,209.000	
0160	650.4500	Construction Staking Subgrade	LF	57.000	57.000	
0162	650.5000	Construction Staking Base	LF	57.000	57.000	
0164	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	206.000	206.000	
0166	650.6000	Construction Staking Pipe Culverts	EACH	1.000	1.000	
0168	650.8000	Construction Staking Resurfacing Reference	LF	65,425.000	65,425.000	
0170	650.9910	Construction Staking Supplemental Control (project) 01. 9050-03-70	LS	1.000	1.000	
0172	653.0900	Adjusting Pull Boxes	EACH	2.000	2.000	
0174	690.0150	Sawing Asphalt	LF	2,090.000	2,090.000	
0176	690.0250	Sawing Concrete	LF	196.000	196.000	
0178	740.0440	Incentive IRI Ride	DOL	49,570.000	49,570.000	
0180	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	2,000.000	2,000.000	
0182	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	1,260.000	1,260.000	
0184	SPV.0060	Special 01. Reestablish Section Corner Monuments	EACH	2.000	2.000	
0186	SPV.0090	Special 01. Grading and Shaping Ditch	LF	145.000	145.000	
0188	SPV.0090	Special 02. Pipe Underdrain SICPP 12-Inch	LF	780.000	780.000	
0190	SPV.0090	Special 03. Infiltration Trench	LF	40.000	40.000	
0192	SPV.0090	Special 04. Concrete Curb & Gutter 12-Inch Special	LF	65.000	65.000	
0194	SPV.0090	Special 05. Concrete Curb & Gutter 18-Inch Special	LF	65.000	65.000	
0196	SPV.0180	Special 01. Protective Thermalplastic Coating at Snowmobile Crossing	SY	665.000	665.000	

								REMOVING A SPHALTIC SURFACE MILLING ITEMS							
	CLEAR	ING AND GRUBB	NG			STATION	то	STATION	LOCATION	204.0115 BUTT JOINTS SY	204.0120 MILLING SY	DESCRIPTION			
STATION TO STATION	LOCATION	201.0105 CLEARING	201.0205 GRUBBING	REMARKS		10+50	-	15+75	STH 47	15	2,575				
		STA	STA			15+75 55+40	-	55+40 70+00	STH 47 STH 47	-	13,220 6.905				
142+50 - 144+00 158+25 - 159+50	STH 47, RT STH 47, LT	Г 2 Г 2	2 2	GUARDRAIL GRADII GUARDRAIL GRADII	NG NG	70+00 85+00	-	85+00 135+76	STH 47 STH 47	-	4,000 17,220				
159+50 - 159+75 165+50 - 166+25 167+50 - 168+50	STH 47, R STH 47, R STH 47, L	1 F 2 F 2	1 2 2	GUARDRAIL GRADII GUARDRAIL GRADII GUARDRAIL GRADII	NG NG	135+76 144+08	-	144+08 157+94	STH 47 STH 47	-	3,320 4 620	GUARDRAIL RT			
TOTALS	311147, E	9	9			157+94 169+28	-	169+28 664+75	STH 47 STH 47 STH 47	- 10	5,175 166,400	GUARDRAIL LT & RT			
									RIVER RD	10	655				
									DAVENPORT ST HANSON LAKE RD (SOUTH)	10 10	435 470				
RE	MOVING SMALL	PIPE CULVERT							HANSON LAKE RD (NORTH) BIRCH LN	10 5	320 110				
									CTH K (WEST)	15	450				
STATION LOCATION	LENGTH	203.0100 EACH	DESCRI	PTION					CTH K (EAST) MEADOW DR	10 10	595 320				
30+74 WILDWOOD DR	136'	1	24" (CMP					FOREST LN LARSEN DR	10 10	765 480				
									GRILLS LANDING RD	10	170				
IOTAL		1							HILLSIDE CT (SOUTH) FOX FARM I N	10 10	560 335				
									HILLSIDE CT (NORTH)	10	440				
	REMO	IVING ASPHALTIC	SURFACE						MUSKY BAY DR WILDWOOD DR	10 10	215 575				
TION TO STATION LOCATION	N 204.0110			DESCRIPTION					NORTHWESTERN DR	10 10	380 630				
	51								VALLEY CT	10	620				
+59 - 14+50 STH 47 +45 - 65+60 STH 47 +57 63+11 STH 47	270 30 325	CTH K INTERS	UNDERDR UNDIST	AIN & INFILTRATION RIBUTED - CURB PA ADING INTERSECTIC	N TRENCH .TCHES DN & CLIRB REPLACEMENT				FETKE LAKE RD HARMONY HILL DR (NORTH)	10 10	440 375				
	005	0								10	490				
IOTALS	625								APPERSON DR (SOUTH) ROSEMARY LN	10 5	460 65				
									UNNAMED RD	10	290				
									LAKE MILDRED RD	10	300				
									APPERSON DR (NORTH)	5	245				
									OLE LAKE RD HOME RESORT I N	10 5	310 245				
	REMO'	VING PAVEMENT							EVERGREEN CT (SOUTH)	10	295				
									EVERGREEN CT (NORTH)	10	455				
STATION TO STATION	LOCATION	204.0110	DES	SCRIPTION					EVERGREEN CT (WEST)	10	365				
		SY							BRIDGE RD (SOUTH) BRIDGE RD (NORTH)	10 10	750 575				
58+07 - 58+95	STH 47	90	CONCRETE	MEDIAN REMOVAL					MCNAUGHTON RD	10	285				
65+60 - 68+05	STH 47	335	CONCRETE	MEDIAN REMOVAL					FAWN LAKE RD	10	360				
TOTALS		425							FOX RD	10	570				
										10	720				
										-	260	FULL DEPTH PATCHING			
						1	TOTAL:	S		400	240,580				
NUMBER: 9050-03-70		HWY: STH	47		COUNTY: ONEIDA	MISCEL	LANE	EOUS C	UANTITIES			SHEET NO			

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PROJECT NUMBER: 9050-03-70

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F
GRADING & SHAPING INTERSECTION CTH K

205.9010.S

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LOCATION

CTH K, WB

TOTAL

EXCAVATION

COMMON

REMOVING CURB & GUTTER

STATION	то	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF	204.013 REMOVING CURB LF	DESCRIPTION
59+45	-	61+80	STH 47	70	-	CENTER MEDIAN PATCHING
61+57	-	62+08	CTH K	72	-	NE CORNER INT. OF CTH K
62+49	-	62+66	CTH K	-	86	ISLAND ON CTH K
62+70	-	63+11	CTH K	67	-	SE CORNER INT. OF CTH K
62+80	-	65+60	STH 47	60	-	CENTER MEDIAN PATCHING

BASE AGGREGATE DENSE

STATION	то	STATION	LOCATION	305.0110 3/4-INCH TON	305.0120 1 1/4-INCH TON	311.0110 BREAKER RUN TON	624.0100 WATER MGAL	DESCRIPTION	STATION TO STATION	LOCATION	211.0100 PREPARE FOUNDATION FOR ASPHALTIC PAVING	211.0400 PREPARE FOUNDATION FOR	DESCRIPTION
10+50	-	15+75	STH 47	30	-	-	-				(9050-03-70) L S	ASPHALTIC SHOULDERS STA	
15+75	-	55+40	STH 47	685	-	-	7				20	01/1	
55+40	-	70+00	STH 47	110	100	-	2		PROJECT LIMITS	STH 47	1	-	
85+00	-	136+66	STH 47	900	-	-	9		10+67 - 11+70	STH 47, LT	-	2	SHOULDER WIDENING
136+66	-	143+20	STH 47	100	15	-	1	GUARDRAIL RT	21+85 - 22+10	STH 47, LT & RT	-	2	SNOWMOBILE CROSSING
									43+70 - 45+24	STH 47, LT & RT	-	2	SNOWMOBILE CROSSING
143+20	-	158+83	STH 47	270	-	-	3		135+76 - 144+08	STH 47, RT	-	3	GUARDRAIL END TERMINALS
158+83	-	168+39	STH 47	65	10	-	1	GUARDRAIL LT & RT					
168+39	-	664+75	STH 47	8,580	-	-	86		157+94 - 169+28	STH 47, LT	-	1	GUARDRAIL END TERMINALS
10+67	-	11+70	STH 47	-	25	-	-	SHOULDER WIDENING	367+95 - 368+90	STH 47, LT & RT	-	2	SNOWMOBILE CROSSING
10+59	-	14+50	STH 47	-	90	-	1	UNDERDRAIN & INFILTRATION TRENCH	470+92 - 471+21	STH 47, LT & RT	-	2	SNOWMOBILE CROSSING
									544+90 - 545+92	STH 47, LT & RT	-	2	SNOWMOBILE CROSSING
59+45	-	65+60	STH 47	-	10	-	-	CENTER MEDIAN PATCHING	566+05 - 566+93	STH 47, LT & RT	-	2	SNOWMOBILE CROSSING
			CTH K (EAST)	-	190	225	2	SUBGRADE IMPROVEMENTS	658+68 - 659+18	STH 47, LT & RT	-	2	SNOWMOBILE CROSSING
30+65	-	30+85	WILDWOOD DRIVE	-	25	-	-	CULVERT REPLACEMENT					
	TOTALS	S		10,740	465	225	112		TOTALS		1	20	

<u>ASPHA</u>	LTIC CEI	NTER LINE F	RUMBLE STRIP 2-LA	NE RURAL
STATION -	TO S	STATION	LOCATION	465.047 LF
0	_	56+50	STH 47	2 850
+75	-	664+75	STH 47	46,200
ТС	DTAL			49,050

ASPHALTIC FLUMES STATION LOCATION 465.0315 SY 5 5 11+50 STH 47, RT 11+70 STH 47, LT 61+80 STH 47, RT 5 62+90 STH 47, RT 5 20 TOTALS

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PROJECT NUMBER: 9050-03-70	HWY: STH 47	COUNTY: ONEIDA	MISCELLANEOUS QUANTITIES

FOR INFORM	ATION PURPO	SES ONLY
AVATION	FILL	BORROW
OMMON		
CY	CY	CY
255	0	0

PREPARE FOUNDATION FOR A SPHALTIC SHOULDERS

SHEET	NO:
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STATION	то	STATION	LOCATION	455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	465.0110 ASPHALTIC SURFACE PATCHING TON	DESCRIPTION
10+50	-	15+75	STH 47	190	300	25	
15+75	-	55+40	STH 47	925	1,520	-	
55+40	-	70+00	STH 47	520	800	80	
70+00	-	85+00	STH 47	305	500	-	
85+00	-	135+76	STH 47	1,205	1,980	-	
135+76	-	144+08	STH 47	235	385	15	
144+08	-	157+94	STH 47	325	535	-	
157+94	-	169+28	STH 47	365	595	10	GUARDRAIL I T & RT
169+28	-	664+75	STH 47	11.650	19.140	-	
10+59	-	14+50	STH 47	-	-	80	UNDERDRAIN & INFILTRATION TRENCH
50+15	_	65+60	STH 47	_	_	10	CLIRB & CLITTER PATCHING
00140	-	00.00	RIVER RD	50	80	-	
			DAVENPORT ST	35	55	_	
			HANSON LAKE RD (SOUTH)	35	55	_	
			HANSON LAKE RD (NORTH)	25	40	-	
				40	45		
				10	15	-	
				35	55	-	
				45	125	-	
			FOREST LN	25 55	40 90	-	
				00	00		
			LARSEN DR	35	60	-	
			GRILLS LANDING RD	15	20	-	
			HILLSIDE CT (SOUTH)	40	65	-	
			FOX FARM LN	25	40	-	
			HILLSIDE CT (NORTH)	35	55	-	
			MUSKY BAY DR	15	25	-	
			WILDWOOD DR	40	70	10	
			NORTHWESTERN DR	30	45	-	
			HARMONY HILL DR (SOUTH)	45	75	-	
			VALLEY CT	45	75	-	
			FETKE LAKE RD	35	55	-	
			HARMONY HILL DR (NORTH)	30	45	-	
			BAYVIEW DR	35	60	-	
			APPERSON DR (SOUTH)	35	55	-	
			ROSEWARY LN	5	10	-	
				20	35		
				25	35	-	
				20	00		
			APPERSON DR (NORTH)	20	30	-	
			APPERSON DR (NORTH) OLE LAKF RD	20 25	30 40	-	

HMA PAVEMENT ITEMS

PROJECT NUMBER: 9050-03-70 HWY: STH 47 COUNTY: ONEIDA MISCELLANEOUS QUANTITIES

		SHEET NO:	
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STATION	то	STATION	LOCATION	455.0605 TACK COAT GAL	460.6244 HMA PAVEMENT 4 LT 58-28 S TON	465.0110 ASPHALTIC SURFACE PATCHING TON	DESCRIPTION
			EVERGREEN CT (SOUTH) EVERGREEN CT (NORTH) EVERGREEN CT (WEST) BRIDGE RD (SOUTH) BRIDGE RD (NORTH)	25 35 25 55 40	35 55 45 90 70	- - - - -	
			MCNAUGHTON RD FAWN LAKE RD FOX RD KILDEER RD WOLF RD	20 25 40 55 55	35 45 70 85 90	- - - -	
21+85 43+70 367+95 470+92 544+90		22+10 45+24 368+90 471+21 545+92	STH 47 STH 47 STH 47 STH 47 STH 47 STH 47	2 7 6 2 5	8 26 20 5 16		WIDENING FOR SNOWMOBILE TRAIL CROSSING WIDENING FOR SNOWMOBILE TRAIL CROSSING WIDENING FOR SNOWMOBILE TRAIL CROSSING WIDENING FOR SNOWMOBILE TRAIL CROSSING WIDENING FOR SNOWMOBILE TRAIL CROSSING
566+05 658+68	-	566+93 659+18	STH 47 STH 47 UNDISTRIBUTED	5 3 -	21 9 -	- - 30	WIDENING FOR SNOWMOBILE TRAIL CROSSING WIDENING FOR SNOWMOBILE TRAIL CROSSING UNDISTRIBUTED AREAS FOR PATCHING STH 47 MAI
Т	OTAL	S		17,015	27,960	260	

HMA PAVEMENT ITEMS (CONTINUED)

PWL MIXTURE USE TABLE

						QUALITY MANAGEMENT PROGRAM TO BE USED:		
LOCATION	WITAT ORE 03E	UNDERETING SURFACE		THICKNESS	TONS	MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE	
12 Foot Driving Lano	Lippor Lavor	Milled Existing HMA Surface	1 I T 58 28 S	2"	" 20.065	PWL Incentive Air Voids	Incentive Density PWL HMA Pavment	
	Opper Layer		4 L1 50-20 S	2	20,003	HMA Pavement 460.2010	460.2005	
2 Foot Poved Shoulder	Uppor Lovor	Milled Evicting LIMA Surface	41759.000	2"	5 020	PWL Incentive Air Voids	Acceptance testing by the	
3 Foot Faved Shoulder	Opper Layer	Willieu Existing HiviA Suitace	4 LT 50-20 3	2	5,020	HMA Pavement 460.2010	department; not eligible for incentive	
Intersections, Bypass Lane, Turn Lane,	Upportovor	Milled Evicting LINA Surface	41769.000	2"	0 666	OMD as par SS 460	Incentive Density HMA Pavement	
Guardrail Tapers, Snow mobile Crossings	Opper Layer	Nilled Existing Five Surrace	4 L I 50-20 S	2	2,505	QIVIF as per 33 400	460.2000	
Shoulder Widening, Underdrain, Median	Low or Lover	Pasa Aggragata	Acabaltia Surface	2"	220	OMP on por SS 465	A apoptance by ordinary compaction	
Patching, CTH K Subgrade Improvement	Low er Layer	Dase Ayyreyale		3	220	QIVIF as per 33 400	Acceptance by ordinary compaction.	

*Quantities are approximate

PROJECT NUMBER: 9050-03-70

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SHEET NO	
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				CULVERT PIF	EAND ENDW	ALLS				STATIO	I LOCATION	633.5200 EACH
										30+84	WILDWOOD DR	-
		521.3124	521.1024							61+53	STH 47	2
		CULVERT PIPE	APRON ENDWALLS							83+42	STH 47	2
		CORRUGATED	CULVERT PIPE							178+36	STH 47	2
		STEEL	STEEL	THICKNESS						314+73	STH 47	2
STATION		24-INCH	24-INCH	STEE	FI FV		END OF PIE	PE OFFSETS	DESCRIPTION	411+93	STH 47	2
en mon	200, (110) (LE	LE	INCH			IN FT			424+55	STH 47	2
		LI	LI			OUTEET		OUILLI		463+86	STH 47	2
30+84		110	2	0.064	785 24	781 11	34' I T	66' RT	SKEW/ 28 9 DEGREES I HE	522+36	STH 47	2
00.04	WILDWOOD DI		L	0.004	100.24	701.11	04 L1	00 111	GIVEN 20:0 DEGIVEED ET I	524+12	STH 47	2
τοται		110	2							576+29	STH 47	2
IOIAL		110	2							584+56	STH 47	2
										639+2	STH 47	2

BARRIER SYSTEM GRADING SHAPING FINISHING

			614.0010 BARRIER SYSTEM		FC	OR INFORMATION	AL PURPOSES	S ONLY		STATION TO STATION	LOCATION	602.0405 CONCRETE SIDEWALK	DESCRIPTION
STATION TO ST	TATION	LOCATION	GRADING SHAPING FINISHING	EXCAVATION COMMON	FILL	BORROW	TOPSOIL	FERTILIZER TYPE B	SEEDING MIXTURE NO. 20			4-INCH SF	
			EACH	CY	CY	CY	SY	CWT	LB				
										62+49 - 62+66	CTH K	195	ISLAND PAVEMENT
135+50 - 14	44+10	STH 47, RT	1	240	10	-	760	0.5	20				
157+60 - 16	68+85	STH 47, LT	1	200	760	560	1,770	1.1	50	TOTALS		195	
158+90 - 16	66+25	STH 47, RT	1	60	400	340	1,770	1.1	50				
TOTALS			3										

TOTALS

UNDERDRAIN ITEMS

SPV.0090.02 SPV.0090.03 STATION TO STATION LOCATION PIPE UNDERDRA IN INFILTRATION DESCRIPTION SICPP 12-INCH TRENCH LF LF 10+59 - 14+50 STH 47, LT & RT **UNDERDRAIN** 780 -STH 47 40 INFILTRATION TRENCH 14+50 -TOTALS 780 40

601.0407 601.0557 STATION TO STATION LOCATION 18-INCH 6-INCH SLOPED TYPED 36-INCH TYPED LF LF 59+45 - 61+80 STH 47 --61+57 - 62+08 72 62+80 - 65+60 STH 47 --62+70 - 63+11 67 CTH K 86 62+49 - 62+66 -TOTALS 86 139

PROJECT NUMBER: 9050-03-70	HWY: STH 47	COUNTY: ONEIDA	MISCELLANEOUS QUANTITIES

3

CONCRETE CURB & GUTTER

TOTAL

MARKERS CULVER END

24

SIDEWALK

SPV.0090.04 12-INCH SPECIAL LF	SPV.0090.05 18-INCH SPECIAL LF	DESCRIPTION	
35 - 30 - -	35 - 30 - -	CENTER MEDIAN PATCHING NE CORNER INT. OF CTH K CENTER MEDIAN PATCHING SE CORNER INT. OF CTH K ISLAND ON CTH K	
65	65		
		SHEET NO	D:

			GUARDF	AIL ITEMS				
STATION	то	STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF	614.2300 MGS GUARDRAIL 3 LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	STATION	LOCAT
136+69.2	-	143+17	STH 47, RT	655	550	2	20+29	CTH
158+85.8	-	168+36	STH 47, LT	955	850	2	20+30	
159+10.9	-	165+73.4	STH 47, RT	667	562.5	2	20+80	
Т	TOTAL	S		2,277	1,962.5	6	TOTAL	

LANDSCAPING ITEMS

DESCF	630.0500 SEED WATER MGAL	630.0140 SEEDING MIXTURE NO. 40 LB	629.0210 FERTILIZER TYPE B CWT	628.2027 EROSION MAT CLASS II TYPE C SY	628.2008 EROSION MAT CLASS I TYPE B URBAN SY	625.0100 TOPSOIL SY	LOCATION	STATION	то	STATION
	-	10	0.3	300	70	500	STH 47, RT	64+50	-	62+60
BARRIER SYSTEM GRADING	-	-	-	-	760	-	STH 47, RT	144+10	-	135+50
BARRIER SYSTEM GRADING	-	-	-	-	1770	-	STH 47, LT	168+85	-	157+60
BARRIER SYSTEM GRADING	-	-	-	-	1770	-	STH 47, RT	166+25	-	158+90
	15	5	0.1	50	130	180		UTED	STRIB	UND
	15	15	0.4	350	4,500	680		S	OTAL	Т

SILT FENCE

STATION	TO STATION	LOCATION	628.1504 QUANTITY LF	628.1520 MAINTENANCE LF
405 50				
135+50	- 144+10	SIH47, RI	880	880
157+60	- 168+85	STH 47, LT	1270	1270
158+90	- 166+25	STH 47, RT	870	870
UNE	ISTRIBUTED		750	750
TOTALS			3,770	3,770

TEMPO	RARY DITCH CHEC	<u>KS</u>	<u>11</u>	NLET PROTECTION	
TION	LOCATION	628.7504 EACH	STATION	LOCATION	628.7015 TYPE C EACH
+75 5+50 ITAL	STH 47, RT STH 47, RT UNDISTRIBUTED	15 15 20 50	12+45 12+60 13+15 61+50 65+25	STH 47, LT STH 47, RT STH 47, LT STH 47, MEDIAN STH 47, MEDIAN UNDISTRIBUTED	1 1 1 1 2
			TOTAL		7

PROJECT NUMBER: 9050-03-70	HWY: STH 47	COUNTY: ONEIDA	MISCELLANEOUS QUANTITIES

MOBILIZATIONS EROSION CONTROL

LOCATION	628.1905 MOBILIZA TIONS EROSION CONROL	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL	STATION	OFFSET	LOCATION	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOV ING SMALL SIGN SUPPORTS EACH
	EACH	EACH					
			20+33	-23.49	CTH K	4	1
STH 47	6	3	20+39	-58.12	CTH K	1	1
			20+56	-18.28	CTH K	2	1
TOTALS	6	3	TOTAL			7	3

RIPRAP AND GEOTEXTILE FABRIC

				606.0200 RIPRAP	645.0120 GEOTEXTILE		STATION	LOCATION	628.7555 EACH
STATION	то	STATION	LOCATION	MEDIUM CY	TYPE HR SY	DESCRIPTION	13+10	STH 47, RT	5
30+05	-	30+50	WILDWOOD DR., RT	33	65	PIPE END	61+50	STH 47, LT STH 47, RT	5
		TOTALS	3	33	65		64+50	STH 47, RT UNDISTRIBUTED	5 10
							TOTAL		30

3

STATION

63+75

165+50

TOTAL

ONCRETE MEDIAN NOSE

620.0300 CONCRETE MEDIAN SLOPED NOSE SF	DESCRIPTION
8 10 12	ISLAND NOSE, TYPE 2 ISLAND NOSE, TYPE 2 ISLAND NOSE, TYPE 2
30	

RIPTION

SHAPING FINISHING AREAS SHAPING FINISHING AREAS SHAPING FINISHING AREAS

MOVING SIGNS & SUPPORTS

CULVERT PIPE CHECKS

SHEET NO:

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	APPROXIMATE	643.0 DRU	300 MS	643 BARR TY	.0420 ICADES PE III	643.0500 FLEXIBLE TUBULAR MARKER POSTS	643.0600 FLEXIBLE TUBULAR	643.0 WARNING TYPE	705 ELIGHTS EA	643.0 WARNING TYPE	715 LIGHTS EC	643.09 SIGN	900 NS	REMARKS
LOCATION	DAYS	SERVICE	DAYS	SERVICE	DAYS	EACH	EACH	SERVICE	DAYS	SERVICE	DAYS	SERVICE	DAYS	
ADVANCE WARNING														
STH 47, SOUTH PROJECT LIMITS	7	3	21	-	-	-	-	-	-	-	-	1	7	PLACE 7 CALENDAR DAYS BE
STH 47, NORTH PROJECT LIMITS	7	3	21	-	-	-	-	-	-	-	-	1	7	PLACE 7 CALENDAR DAYS BE
STH 47, SOUTH PROJECT LIMITS	80	-	-	-	-	-	-	-	-	-	-	3	240	ADVANCE WARNING SIGNS, ROA
STH 47, NORTH PROJECT LIMITS	80	-	-	-	-	-	-	-	-	-	-	5	400	ADVANCE WARNING SIGNS, ROA
CTH K	80	-	-	-	-	-	-	-	-	-	-	4	320	ROAD WORK AHEAD, EN
SIDE ROADS	80	-	-	-	-	-	-	-	-	-	-	37	2,960	ROAD WORK A
SUBTOTALS			42		0	0	0		0		0		3,934	
JNDERDRAIN INSTALLATION	_											_		
STH 47	5	-	-	-	-	-	-	-	-	-	-	6	30	TRAFFIC CONTROL FOR LANE CLOSURE
STH 47 / DAVENPORT STREET	5	-	-	-	-	-	-	-	-	-	-	4	20	LOOSE GRAVEL
DAVENPORT STREET	5	-	-	-	-	-	-	-	-	-	-	8	40	TRAFFIC CONTROL FOR LANE CLOSURE
SUBTOTALS			0		0	0	0		0		0		90	
CONCRETE MEDIAN REMOVAL AN	ND CURB & GUT	TER PATC	HING											
STH 47	7	50	350	4	28	-	-	8	56	10	70	6	42	TRAFFIC CONTROL, SINGLE LANE CLOSUR
STH 47	7	-	-	-	-	-	-	-	-	-	-	6	42	TRAFFIC CONTROL FOR LANE CLOSURE
STH 47 / CTH K CTH K	7 7	-	-	-	-	-	-	-	-	-	-	4 8	28 56	LOOSE GRAVEL TRAFFIC CONTROL FOR LANE CLOSURE
SUBTOTALS			350		28	0	0		56		70		168	
	2	_	_	_	_	10	10	_	_	_	_			SEE DI A N DET
STH 47	2	- 86	- 602	-	-	-	-	-	-	-	-	11	77	SEE PLAN DET
СТНК	7	16	112	1	7	-	-	2	14	5	35	7	49	SEE PLAN DET
SUBTOTALS			714		7	10	10		14		35		126	
WILDWOOD DR INTERSECTION IM	PROVEMENTS													
WILDWOOD DR	1	-	-	7	7	-	-	14	14	-	-	-	-	BARRICADES AND SIGNS FOR I
WILDWOOD DR AT VALLEY CT	1	-	-	1	1	-	-	2	2	-	-	1	1	ROAD CLOSED .3 MIL
WILDWOOD DR AT STH 47	1	-	-	5	5	-	-	10	10	-	-	3	3	BARRICADES AND SIGNS FOR S
AFTER PIPE INSTALLATION	10	10	100	2	20	-	-	4	40	-	-	2	20	BARRELS FOR SHOULDERS - L
SUBTOTALS			100		33	0	0		66		0		24	
MILL AND OVERLAY														
STH 47	50	-	-	-	-	-	-	-	-	-	-	8	400	TRAFFIC CONTROL FOR LANE CLOSURE
STH 47	50	-	-	-	-	-	-	-	-	-	-	10	500	LOW SHOULDER, UNEVEN LANES (EV
GUARDRAIL REPLACEMENT	15	80	1200	-	-	-	-	-	-	-	-	-	-	
SUBTOTALS			1200		0	0	0		0		0		900	
TOTALS			2,406		68	10	10		136		105		5,242	

FORE WORK BEGINS FORE WORK BEGINS D WORK NEXT 12 MILES D WORK NEXT 12 MILES ND ROAD WORK

WITH FLAGGING OPERATION SIGN WITH FLAGGING OPERATION

E, NON FREEWAY/EXPRESSWAY WITH FLAGGING OPERATION SIGN WITH FLAGGING OPERATION

AILS AILS AILS

MAINLINE CLOSURES LES AHEAD SIDEROAD CLOSURES LOOSE GRAVEL SIGN

EWITH FLAGGING OPERATION (ERY MILE AS APPLICABLE)

SHEET NO:

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MARKING LINE

STATION	то	STATION	LOCATION	646.1 EPO 4-IN	020 (Y CH	646.1040 GROOVED WET REFLECTIVE EPOXY 4-INCH	646.3020 EPOXY 8-INCH	646.5020 ARROW EPOXY	646.5120 WORD EPOXY	646.6120 STOP LINE EPOXY 18-INCH	646.7120 DIAGONAL EPOXY 12-INCH	646.8120 CURB EPOXY	646.8220 ISLAND NOSE EPOXY	649.0105 TEMPORARY PAINT 4-INCH	649.0150 TEMPORARY REMOVABLE TAPE
				YELLOW	WHITE	WHITE	WHITE								4-INCH
				LF	LF	LF	LF	EACH	EACH	LF	LF	LF	EACH	LF	LF
10+50	-	15+75	STH 47	310	-	190	200	4	2	-	40	-	4	310	40
15+75	-	55+40	STH 47	2,940	-	3,770	-	-	-	-	-	-	-	2,360	316
55+40	-	70+00	STH 47	1,800	-	1,180	420	10	6	80	320	-	4	1,800	68
70+00	-	664+75	STH 47	39,700	-	56,700	230	1	1	-	130	-	-	31,030	4,760
			RIVER RD	120	-	-	60	2	-	35	-	-	-	-	-
			DAVENPORT ST	60	-	-	-	-	-	20	-	-	-	-	-
			CTH K (EAST)	80	60	-	-	-	-	15	-	70	3	80	-
			CTH K (WEST)	100	50	-	-	-	-	15	-	70	-	100	25
TOTALS			45,2	20	61,840	910	17	9	165	490	140	11	35,680	5,209	

CONSTRUCTION STAKING

STATION	то	STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.6000 PIPE CULVERTS EACH	650.8000 RESURFACING REFERENCE LF	650.9910 SUPPLEMENTAL CONTROL LS
40.50		105 70	071147					10 500	
10+50	-	135+76	SIH47	-	-	-	-	12,526	1
135+76	-	144+08	STH 47	-	-	-	-	832	-
144+08	-	157+94	STH 47	-	-	-	-	1,386	-
157+94	-	169+28	STH 47	-	-	-	-	1,134	-
169+28	-	664+75	STH 47	-	-	-	-	49,547	-
20+18	-	20+75	CTH K, LT	57	57	206	-	-	-
			WILDWOOD DR	-	-	-	1	-	-
Т	OTAL	S		57	57	206	1	65,425	1

PROTECTIVE THERMALPLASTIC COATING AT SNOWMOBILE CROSSINGS

STATION	LOCATION	SPV.0180.01 SY
04+00	0711.47	70
21+99	51847	73
44+60	STH 47	151
368+55	STH 47	97
471+08	STH 47	78
545+34	STH 47	109
566+54	STH 47	77
658+92	STH 47	80
		665

SAWING

		690.0150	650.0250	50 REMARKS	GRADING AND SHAF	PING DITCH	<u>I</u>	ADJUSTING PULL BOXES				
STATION TO STATION	LOCATION	ASPHALT LF	CONCRETE		STATION TO STATION LOC	CATION	SPV.0090.01	STATIO	DN LOCAT	ON 653.0900 FACH		
10+59 - 14+50 59+45 - 61+80	STH 47, LT & RT STH 47	1600 110	- 100	UNDERDRAIN AREAS CENTER MEDIAN CURB PATCHES	63+05 - 64+50 STH	147, RT	145	20+3	8 CTH F	x 1		
62+80 - 65+60	CTH K WILDWOOD DR	220 60	90 6	CURB REMOVALS PIPE INSTALLATION	TOTALS		145	<u>20+4</u> TOTA	8 CTH F	<u> </u>		
TOTALS		2,090	196									

2	
•	

REE	STABL	ISH SECTIO	N CORNER M	IONUMENTS
STAT	ION	LOCA	TION	SPV.0060.01 EACH
62+ 89+	37 09	STH 4 STH 4	7, RT 7, RT	1 1
тот	AL			2
	<u>L(</u>	DCATING NO)-PASSING Z	ONES
STATION	то	STATION	LOCATION	648.0100 MI
10+50	-	664+75	STH 47	12.4
	ΤΟΤΑΙ	-		12.4

SHEET NO:

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		В	ENCHMARKS
NO.	STATION	ELEV.	DESCRIPTION
1000) 11+73 1560.28		BURY BOLT ON HYD193' RT.
1001	13+17	1577.21	NW BOLT ON HYD358' LT.
1002	62+71	1598.87	SPIKE IN PP-219' LT.
1003	62+42	1606.34	SPIKE IN PP-480' RT.

				CONTROL POINTS		
[NO.	STATION	OFFSET	DESCRIPTION	Y	Х
[927	12+29.99	218.24'RT	IRON BAR WITH CAP	163288.969	256695.355
[928	13+07.84	298.86'LT	IRON BAR WITH CAP	163039.578	256240.227
ſ	929	61+88.12	421.21'RT	IRON BAR WITH CAP	167341.554	254390.510
[930	62+57.67	238.24'LT	IRON BAR WITH CAP	167381.938	253728.911



STA. 61+53 EXISTING 24" CSCP (TO REMAIN) MARKERS CULVERT END REQ'D. STA. 61+53 EXISTING 24" CSCP (TO REMAIN) MARKERS CULVERT END REQ'D.

STH 47 CURVE DATA PI STA = 54+66.23 Y = 166521.399 X = 253948.216 DELTA = 38°32'12" D = 2°00'00" T = 1001.46' L = 1926.83' R = 2864.79' PC STA = 44+64.78 PT STA = 63+91.61

PROJECT NO: 9050-03-70	HWY: STH 47	COUNTY: ONEIDA		05-		
FILE NAME : V:\TRANS-GB\450462 STH 47\C3D\SHEETSPLAN\050101 PN.DWG		PLOT DATE :	1/31/2020 9:34 AM	PLOT BY :	SOUFAL, KEVIN	PLOT NAME :







V:\TRANS-GB\450462 STH 47\C3D\SHEETSPLAN\050103 PN.DWG LAYOUT NAME - 050103 pn FILE NAME :

PLOT DATE : SOUFAL, KEVIN PLOT NAME : 1/31/2020 9:39 AM PLOT BY :

WISDOT/CADDS SHEET 44



RENCHMARKS				
NO. STATION ELEV. DESCRIPTION	NO. STATION OFFSET DESCRIPTION	Y X		
1005 275+91 1597.38 SPK. IN PP-95' RT.	932 275+26.38 105.34'RT IRON BAR WIT	H CAP 183314.100 243540.002		
	STH 47 PI STA = 260+96.40 Y IS3459.260 X = 245118.987 DELTA = 39°15'17" D = 1'000" T = 2043.29' L = 3925.47' R = 5729.58' PC STA = 240+53.11 PT STA = 279+78.58	AND DOD DU LO	Buttors	
PROJECT NO: 9050-03-70 HWY	/: STH 47	COUNTY: ONEIDA	PLAN	





5	MATCH LINE	STATION 421+34	ELEV. 1566.67	BENCHMARKS DESCRIPTION SPK. IN PP-146' RT.	STH 4 CURVE I PI STA = 375 Y = 189871. X = 237700.0 DELTA = 13 D = 1'0000" T = 683.11" L = 1359.80' R = 5729.58' PC STA = 37 PT STA = 38 CROSSING CTION DETAIL)	NO. 934 7 934 935 935 935 936 937 934 935 935 935 935 935 935 935 935 934	STATION 422+61.33	OFFSET 66.83'RT	CONTROL POINTS DESCRIPTION IRON BAR WITH CAP	<u>ү</u> 193685.990	X 235692.803	395	N31* 21' 58"W	400	405	410
	PROJE	ECT NO:	905	0-03-70		HWY: S	TH 47			COUNTY:	ONEIDA			PLAN		



PLOT SCALE : 1 IN:400 FT

WISDOT/CADDS SHEET 44



	BENCHMARKS NO. STATION ELEV. DESCRIPTION 1007 523+79 1572.49 SPK. IN PP-56' LT.	NO. STATION OFFSET DESCRIPTION 936 523+40.27 34.81'LT IRON BAR WITH	NTS Y X CAP 199228.358 230080.660		
			<u>STA. 52</u> EXISTI MARKE	2+36 NG 36" CPRC (TO REMAIN) RS CULVERT END REQ'D.	
5	MATCH LINE 480 485 STH 47 490 495	500 505	510 N89°,27' 32''W	515 520 EM#1007 525	530 - HC 121-41 10
	STH 47 CURVE DATA PI STA = 478+27.69				STA. 524+12 EXISTING 36" CPRC (TO MARKERS CULVERT END
	Y = 199213.053 X = 235386.553 DELTA = $89^{\circ}11'37''$ D = $3^{\circ}00'00''$ T = $1883.17'$ L = $2973.12'$ R = $1909.86'$ PC STA = $459+44.52$ PT STA = $489+17.64$				
	PROJECT NO: 9050-03-70	HWY: STH 47	COUNTY: ONEIDA	PLAN	





BENCHMARKS NO. STATION ELEV. DESCRIPTION 1008 65944 1580.09 SPK. IN PP-129' RT.	Image: No. STATION OFFSET D 900 659+88.14 69.66'RT 1	ONTROL POINTS ESCRIPTION Y X IRON BAR WITH CAP 209197.245 222151.943 STA 639+21 EXISTING 24" CF MARKERS CULVE 000000000000000000000000000000000000	PRC (TO REMAIN) ERT END REQ'D. 0 0 0 0 0 0 0 0 0 0 0 0 0	
PROJECT NO: 9050-03-70	HWY: STH 47	COUNTY: ONEIDA	PI STA = 644+78.73 Y = 207561.215 X = 222037.419 DELTA = 36°14'51" D = 1°00'00" T = 1875.35' L = 3624.75' R = 5729.58' PC STA = 662+03.38 PT STA = 662+28.14 PLAN	



Standard Detail Drawing List

08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08d04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08F09-06	STIT FENCE
08F10-02	IN ET PROTECTION TYPE A. B. C AND D
08F15-01	CIII VERT PIPE CHECK
08F01-11	
08F04-07	TOTAL THESE FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
11B02-02	CONCRETE MEDIAN NOSE
1311-031	2-LANE DUDAL CENTED I THE DUMRI E STATE MILLING
13A11_03R	2 LANE RURAL CENTER LINE ROMBLE STRIP, MILLING
13c10_01	A LANG KUKAR CENTER EINE KOMBEL STRIF, MILLING
1407 154	MMA LONGITUDINAL JUINIS
14007-13A 14007-150	CONCRETE DARRIER TEMPORARY PRECASI, 12 -0
14007 150	CONCRETE DARRIER TEMPORARY PRECASI, 12 -0
14BU7-15C	CONCRETE BARRIER TEMPORARY PRECASI, 12 -0
14BU7-15D	CONCRETE BARRIER TEMPORARY PRECASI, 12 -6
14BU7-15E	CONCRETE BARRIER TEMPORARY PRECASI, 12 -6
14BU7-15F	CONCRETE BARRIER TEMPORARY PRECASI, 12 -6
14B07-15G	CONCRETE BARRIER TEMPORARY PRECASI, 12 -6
14B07-15H	CONCRETE BARRIER TEMPORARY PRECASI, 12 -6
14B0/-15I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B29-01	SAFETY EDGE
14B42-06A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-07F	ADVANCED WIDTH RESTRICTION SIGNING
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY U
15C07-14B	PAVEMENT MARKING WORDS
15c07-14c	PAVEMENT MARKING ARROWS
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15С08-19в	PAVEMENT MARKING (TURN LANES)
15C08-19C	PAVEMENT MARKING (TURN LANES)
15C11-07A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15С11-07В	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-04	MEDIAN ISLAND MARKING
15C19-05A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15С27-ОЗВ	PAVEMENT MARKING (ISLANDS)
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-03A	PAVEMENT MARKING (INTERSECTIONS)
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE. UNDIVIDED ROADWAY
15D29-05	TRAFFIC CONTROL. VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D44-01	TRAFFIC CONTROL. SIGNING ON ROADWAYS WITH MILLED SURFACES
	· , · · · · · · · · · · · · · · · · · ·

JNDIVIDED ROAD OPEN TO TRAFFIC



- SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT. PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION
- INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB &
- WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT
- UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-O" BEHIND THE BACK OF CURBS.
- (2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED
- (4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
- (8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC

PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH	
LESS THAN 10"	12'	
10" & ABOVE	15'	

* BIKE LANE IS NOT SHOWN.

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CONCRETE CURB & GUTTER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



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GENERAL NOTES

() DESIGN WILL DETERMINE FINAL DRIVEWAY ASPHALTIC THICKNESS BASED ON TYPE OF USAGE AND LOADINGS.

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DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED December, 2016 /S/ Rodney Taylor DATE ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR D.D. 8 D 22

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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.

- $\textcircled{\sc 1}$ 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 $1/_8$ " 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.







SILT FENCE TIE BACK (WHEN REQUIRED BY THE ENGINEER)

SILT FENCE ဖ 6 STATE OF WISCONSIN ш DEPARTMENT OF TRANSPORTATION ω APPROVED Δ 4-29-05 /S/ Beth Cannestra DATE CHIEF ROADWAY DEVELOPMENT ENGINEER Δ FHWA ഗ



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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



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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.

 \bigoplus 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 II/30/94 DATE FHWA

CHIEF ROADWAY DEVELOPMENT ENGINEER

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SDD 13A11

03a



DEPARTMENT OF TRANSPORTATION



SDD 13A11 -**03b**



TYPICAL PAVEMENT CROSS SECTION OF NOTCHED WEDGE LONGITUDINAL JOINTS

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GENERAL NOTES

CONFORM TO STANDARD SPECIFICATION 450.3.2.8

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HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2019 DATE

/S/ Steven Hefel HMA PAVEMENT ENGINEER SDD 13C19 - 01



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THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

- DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER
- USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER
- LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE $\frac{3}{4}$ " SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-1/2" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN 1/8" OF THE PLAN DIMENSION.
- CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE
- PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.
- INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.
- (1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE

 - **b. MANUFACTURER**
 - c. DATE MANUFACTURED (MONTH AND YEAR)
- (3) A 3/8" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT
- (5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR
- (6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.
- (7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.
- (8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

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1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER a. TYPE WICBTP
b. MANUFACTURER c. DATE MANUFACTURED (MONTH AND YEAR)

(3) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

ED (MPH)	FLARE RATE	
ESS	6:1	
REATER	8:1	

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION -15b ~ ш 14 Δ Δ S

GENERAL NOTES

BARRIER TAPER SECTION BILL OF MATERIALS (PER 12'-6" BARRIER TAPER SECTION)

BAR	BAR SIZE	NO. OF BARS	LENGTH FT.	
4V1	4	2	1'-11''	
4V2	4	2	2'-2"	
4V3	4	2	2'-6"	
4V4	4	2	2'-9"	
4V5	4	2	3'-2"	
4V6	4	2	3'-4"	
4F1	4	2	12'-0"	
4F2	4	2	7'-6"	
5F 3	5	1	11'-9''	
LOOP ASSEMBLY				
6D1	6	1	8'-5"	
6D2	6	1	7'-7"	





2'-9¾"

2'-9"

6D1 -

∛₄"

(1)

BAR

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BENT BAR DETAIL



BARRIER SECTION BILL OF MATERIALS (PER 12'-6" BARRIER SECTION)

BAR	BAR SIZE	NO. OF BARS	LENGTH FT.	
4A1	4	12	6'-0"	
6A2	6	6	2'-11"	
5B1	5	3	12'-2"	
4C1	4	2	12'-2"	
LOOP ASSEMBLY				
6D1	6	2	8'-5"	
6D2	6	2	7'-7"	
6D3	6	2	8'-6"	





LOOP BAR ASSEMBLY (MARKED END SHOWN, INVERT FOR OTHER END)

TAPER BARRIER SECTION

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6

1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.





BARRIER SECTION

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 7-15c ш 14 Δ Δ

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GENERAL NOTES

- 1 when objects extend above the grade, a minimum of 1 foot is required from back of barrier to object. See other details for FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
- (2) OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
- (3) SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
- (4) SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
- (5) DEPTH OF 3 FEET OR MORE.
- (6) Y = 6'-6".

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CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

EXTENDED

GRADE LINE



D 4 ω 15

CAP DETAILS FOR TEMPORARY CONCRETE **BARRIER TO 42" PERMANENT CONCRETE BARRIER**









6‰"





GUSSET

- 2

49¹¹/16 ''

CONTINUOUS WELD ON TOP EDGES AND END PLATE

GUSSET

- 3

3



END PLATE

0

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5"

9¹/2"

END





6¹¹/16 ''

8"

GUSSET 2

6¾"

- 5⁄8''

6¹/4"

0

— 11/2''

2''

31/16 ''





6‰"

8"

GUSSET 1

8¾6'



GUSSET

- 1

GUSSET



GUSSET

- 4

- 13/16





S D D 14 Β 7 '-15g

4"

11/2"__

10"



.D.D. 14 B 7-15h

S



5%6"

GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS					
GUSSET NO.	А	В	с	D	
1	21⁄8"	7¾"	1⁄4"	8	
2	4"/ ₁₆ "	7%6 ''	1/2"	8	
3	6 /2"	7 ³ ⁄8"	"/16 "	8¼ ₁₆ ''	
4	85⁄16 ''	7¾6 ''	7⁄8"	8¼ ₆ "	
5	10 ¹ /8''	7"	1 1/ ₁₆ "	8¼ ₆ "	
6	11'5%6 ''	6 ¹³ ⁄/6 ''	1 1⁄4"	8¼ ₁₆ "	
7	13¾"	6 5⁄ 8''	1 7⁄16 ''	8¼ ₆ "	
8	15%6"	6¾6 ''	1 %6 ''	8 / ₁₆ ''	
9	17 3⁄ 8''	6 ¹ /4"	1 13/16 ''	8¼ ₆ ''	
10	19 <mark>%</mark> 6 ''	6 ¹ /16 "	1 15/16 "	8 ¹ /16 ''	
11	21''	5 1/8"	2 <u>¾</u> 6 "	8 ¹ /16 ''	
12	22 ¹³ /16 ''	5 ¹¹ /16 "	25⁄16 ''	8¼ ₆ "	

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.

D.D.14 B 7-15h

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CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



S.D.D. 14 ω 7-15i



S.D.D. 14 B 29





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SDD 14B42 06b

25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS

DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS

6

SECTION THRU W-BEAM RAIL

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MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

DEPARTMENT OF TRANSPORTATION



SDD 14B42 06c



SDD 14B42 06d

GENERAL NOTES

- (A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.
- (B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED
- © DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.
- D ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.
- E HARDWARE MAY VARY BETWEEN MANUFACTURER SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

SEE SDD 14B42 FOR MORE INFORMATION.

★ DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

THE CENTER OF THE UPPER 3 $\frac{1}{2}$ " DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.







SECTION C - C **TYPICAL AT POST NOS. 3 - 9**







SECTION B - B TYPICAL AT POST NO. 2*

POST BOLT

(TYP.)



BILL OF MATERIALS

SE	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. E MANUGACTURER'S DETAILS FOR MORE INFORMATION.
UPPE	ER POST NO. 1 6" X 6" TUBE
LOW	ER POST NO. 1
woo	DD CRT
woo	D BLOCKOUT
PIPE	SLEEVE
BEAF	RING PLATE
BCT	CABLE ASSEMBLY
ANCI	HOR CABLE BOX
GRO	UND STRUT
PERF	FORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
STAN SECT	IDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. TIONS VARY IN LENGTH.
IMPA	CT HEAD
EAT I (SEE	VARKER POST - YELLOW APPROVED PRODUCTS LIST)
SOIL	PLATE
UPPE	ER POST NO. 2
LOW	ER POST NO. 2

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SDD14B44 - 04b

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



SDD 14B44 - 04c



FLEXIBLE MARKER POST

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION





SDD **15C02** 07f

SIGN ON PERMANENT SUPPORT

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS 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 DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

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

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

PLACE 500 FEET BEFORE THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT

******* ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED November 2018 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER

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SDD **15C04** 05







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GENERAL NOTES

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





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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.

ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL

LEGEND

"T" MARKING

POST MOUNTED SIGN

6

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 /S/ Matthew R. Rauch DATE STATE SIGNING AND MARKING ENGINEER

FHWA

8-19a C 15 Δ Δ S











GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

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



SDD 15C11 - 07a

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CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED June 2017 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER

FHWA

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 June 2017 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER





GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL

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MEDIAN ISLAND MARKING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017 /S/ Matthew Rauch
DATE STATE SIGNING AND MARKING ENGINEER

FHWA



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

VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE

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

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD"

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

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

V 1	LEAD VEHICLE	_	
V 2	SHADOW VEHICLE		
V 3	TRAIL VEHICLE WITH TMA		
	TRUCK-MOUNTED ATTENUATOR		
F	SIGN ON TEMPORARY SUPPORT		
	DIRECTION OF TRAFFIC		
o	CONES		
• • FLASHING ARROW PANEL (CAUTION)			
	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY	19-5a	
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	15 C	
	APPROVED Sept., 2017 /S/ Andrew Heidtke DATE WORK ZONE ENGINEER FHWA	S.D.D.	



GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



ISLAND NOSE MARKING

CURB MARKING



CORRUGATED MEDIAN MARKING



DIRECTION OF TRAVEL

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PAVEMENT MARKINGS (ISLANDS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 7/2018 DATE

/S/ Matthew R. Rauch STATE SIGNING AND MARKING ENGINEER







(INTERSECTIONS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

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

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

PORTABLE SUPPORTS.



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ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY RESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.





L BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. IGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS. E HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS	
ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE	
NS ARE SEPARATED BY MORE THAN TWO MILES FROM PREVIOUS WORK AREA	
SPEED LIMIT OF 45 MPH OR MORE. FOR 35 -40 MPH, USE 350 FEET. FOR 25-30 MPH,	
ROAD WORK AHEAD	
500' MIN.**	
	6
_	
TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD	29 - 05
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	150
APPROVED June 2017 /S/ Andrew Heidtke DATE WORK ZONE ENGINEER FHWA Keine Kei	SDD



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DEPARTMENT OF TRANSPORTATION

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WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER: A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3 B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3 THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS. WOOD POSTS (4" x 4" or 4" x 6") LAG SCREWS - 3/8" X 3" MACHINE BOLTS - 5/6" X 6-1/2" OR 7" LENGTH W/ NUTS SOUARE STEEL POSTS (2" x 2") MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS RIVETS - 3/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL 0.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH WASHERS (ALL POSTS) -1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL 1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS * TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER

OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SO. FT. REQUIRE THE USE OF 3 FASTENERS.

AT.	TACHMENT OF SIGNS TO POSTS
S DEPART	TATE OF WISCONSIN MENT OF TRANSPORTATION
APPROVED	
June 2017	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

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OR REMOVED AS DIRECTED BY THE ENGINEER.

INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

LEGEND

F

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC


TYPICAL ASSEMBLIES

END

North

65

<u>U.U</u>

J1-2

J2-2

EASI

INTERSTATE

WEST

INTERSTATE





J2-1

J3-1

J4-1

FRONTAGE

ROAD

 \neg

J12-1





TO

Easi

INTERSTATE

J32-1

J4-2









END

COUNTY

EAST

WES

<u>. J. L.</u>

J1-3

North

J2-3

South

J3-3

<u>v</u>.

WESI

INTERSTATI

EAST

INTERSTATE

(Typical Vertical J-Assembly See Note 10 and 11)



NOTES

2. Color:

- Background Black Non-reflective Message - see Note 5
- 3. Message Series See Note 5
- material is metal the corners shall be rounded.
- marker shall be blue.
- use multiple piece component.
- the joint shall be between route shields.
- shall be between route shields.
- 10. All Vertical J Assemblies are given a Sign Code of JV



FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN

COUNTY

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J13-1

PROJECT NO:

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

4. Corners shall be square or rounded if base material is plywood. If base

5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.

6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate

7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size

8. Route assemblies that have 24 inch route shields and have dimensions areater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and

9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint

11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

		L
ST		
	white	ŀ
- -	black background	
∺>	ROUTE MARKERS & COMPONENTS	
	IN TYPICAL ASSEMBLIES	
	WISCONSIN DEPT OF TRANSPORTATION	
	APPROVED Matther & Rauch For state Traffic Engineer	
	DATE 2/06/14 PLATE NO. 42-15.8	
	SHEET NO:	
		_



PROJECT NO:	HWY:	COUNTY:	

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN

7

PLOT DATE : 21-AUG-2017 16:04 PLOT BY : \$\$...plotuser...\$\$ PLOT NAME :

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4. 2. If signs are mounted on barrier wall, see 3. For expressways and freeways, mounting height is 7'- 3" (\pm) or $6'-3''(\pm)$ depending upon existence 4. J-Assemblies are considered to be one sign for mounting height. 5. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (±). 6. Offset distance shall be consistent with existing signs or consistent throughout length of project. 7. The (+) tolerance for mounting 8. Folding signs shall be mounted at a height of $5'-3''(\pm)$ or as directd by the Engineer. 9. The Double Arrow sign (W12-1) shall be mounted at a height of $2'-3''(\pm)$. The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of $4'-3''(\pm)$. TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS WISCONSIN DEPT OF TRANSPORTATION APPROVED Matther & Raus for State Traffic Engineer DATE 8/21/17 SHEET NO: Ε PLOT SCALE : 100.601251:1.000000 WISDOT/CADDS SHEET 42





PROJECT NO:	HWY:	COUNTY:		
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN		PLOT DATE : 27-JAN-2014 09	:48 PLOT BY : mscsja	PLOT NAME :

DATE <u>1/27/14</u>

SHEET NO:

PLATE NO. <u>A4-3B.1</u>

Ε



FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN

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GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3.For expressways and freeways, mounting height is $7'-3''(\pm)$ or $6'-3''(\pm)$ depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3" (\pm) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3'' (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

 \times \times See A4-3 sign plate for signs 4' or less in width and less

H	TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS
)	WISCONSIN DEPT OF TRANSPORTATION
/	APPROVED Matther & Rauch
	For State Traffic Engineer
]	DATE 8/21/17 PLATE NO. 44-4.15
	SHEET NO: E
DI AT CA	

PLOT SCALE : 108.188297:1.000000

WISDOT/CADDS SHEET 42



PROJECT NO:

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with ASTM Designation: A 153, Class D, or SC 3

 $\frac{3}{8}$ " X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

er	ATTACHMENT OF SIGNS
1+	TO POSTS
)n,	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthew R Rauch
	for State Traffic Engineer
	DATE <u>8/11/16</u> PLATE NO. <u>A4-8.8</u>
	SHEET NO: E





FILE NAME : C:\Users\Projects\tr_stdplate\A411.DGN

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two $1\frac{1}{2}$ " diameter holes drilled perpendicular to the roadway centerline.

	4	Хe	6	WOO	DF	POST	
		MOD	IF	FICA	ΤI	ONS	
	WISC	onsin l	DEF	PT OF T	RANS	PORT AT IO	N
	APPROVE	D		nester .	Γź	Spang	
			tor	State Tr	affic E	ngineer	
	DATE 3	/27/9	<u>17</u>	PLA	TE N	D. <u>44-11</u>	2
				SHEET	N0:		E
OT SCALE	E:6.20 7 33	8:1.0000	000	WISD	от/с	ADDS SHE	ET 42



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INAME	C. CAETITES (FLO JECTS (IL _STUDIUTE (ASS. OUT

PLOT NAME :

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.

three bracket bands installed. Signs less than 3 feet in height shall have two bracket

a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

T	<u>SEE DETAIL B</u>
	STANDARD SIGN
	SIGN BANDING DETAILS
	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthe R Rauch For State Traffic Engineer
	DATE 6/10/19 PLATE NO. 45-9.4
	SHEET NO: E
PLOT	SCALE: \$\$plotscale\$\$ WISDOT/CADDS SHEET 42



GENERAL NOTES

- WISDOT STANDARD SPECIFICATIONS
- AND 0.025" THICKNESS
- 9 S.F. 3 FASTENERS SHALL BE USED.
- with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE 11/4" O.D. X 3/8" I.D. X 1/16"
- OR TYPE F FACE SIGN

 \rightarrow LAG BOLTS SHALL BE $\frac{3}{8}$ " X 2¹/₂"

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A510.dgn

1

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE

2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, $\frac{3}{4}$ " WIDTH

3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER: a. Hot dip or mechanically galvanized in accordance 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $\frac{3}{8}$ " I.D. X .080 FOR TYPE H

_	
	BLOCK BANDING DETAIL (V-BLOCK OPTION)
	WISCONSIN DEPT OF TRANSPORTATION
-	APPROVED Matther R Rauch
	<i>for</i> State Traffic Engineer
	DATE <u>6/10/19</u> PLATE NO. <u>45-10.2</u>
	SHEET NO: E
	I

WISDOT/CADDS SHEET 42



1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

Background - Orange Message - Black 3. Message Series - C 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7	Area	Area		S	FANDA F	RD SI	GN	
-	4 . 5	0.41			G2(0-2A		
	8.0	0.72		WISCON	SIN DEPT O	F TRANSPO	RTATION	
	8.0	0.72		APPROVED	M.#	D	0 1	
	8.0	0.72			_rann	er K I	Cauch	—
	8.0	0.72		DATE <u>9/3</u>	0/09	PLATE NO.	<u> </u>	<u>.8</u>
					SHEET	NO:		Ε
	F	PLOT SCA	LE : 5.5617	73:1.000000) WISE	OT/CADDS	SHEET	. 42













SIZE	Α	В	С	D	E	F	G	н	I	J	ĸ	L	м	N	0	P	0	R	S	Т	U	v	W	x	Y
1																									
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1⁄4	9 5/8	2	11 1/2	10 1⁄8	9 3/8	2 1/4		6 5/8							
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1⁄4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10							
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1⁄4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10							
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1⁄4	12 7/8	3	17 1/8	15 1⁄4	14	3 3/8		10							
PRC	JECT	NO:					ни	/Y:					COUN	TY:											
FILE N	AME : C:	\Users\F	PROJECTS\+	r_stdpla	te\M15A.D	GN										PLOT DAT	E : 29-SE	P-2011 11	1:25	PLOT	BY : mscs	sja	F	LOT NAME	E :

E : C:\Users\PROJECTS\tr_stdplate\M15A.DG

7

PLOT DATE : 29-SEP-2011 11:25

NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. Background - White & Black - See Note 7 Message - Black 3. Message Series - see Note 5 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded. 5. Message Series E for 1 letter. Message Series D for 2 letters unless message is too big then Series C. Message Series C for 3 letters unless message is too big then Series B. 6. Substitute appropriate letters & optically center to achieve proper balance. 7. Permanent Signs Background - Type H Reflective Detour or temporary Signs Background - Reflective

Z	Area sq. ft.		CTH N	MARKER		
		M1-5	A FOR	ASSEMBL	IES	5
	4.0	WISCONS	SIN DEPT C	F TRANSPORT	ATION	1
	9.0	APPROVED	M-II		2	/
	9.0		_//W/	her R R	and	ý
	9.0	DATE 9/2	<u>7/11</u>	PLATE NO. MI	-54.8	<u> </u>
			SHEET	N0:		Ε
	DI OT	 47.1 000000	\			



- 2. Color:
 - Background White Message – Black



SIZE	А	В	С	D	E	F	G	н	I	J	К	L	м	N	0	Р	0	R	S	Т	U	v	W	Х	Y
1																									
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 1/8	11 ½	1	1 7/8	11 1/4	21 7/8									
3	36		2 1/4			18	8 3⁄4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33									
4	36		2 1/4			18	8 3⁄4	9 1/4	15 3/8	5 3/8	12 5/8	17 1⁄8	1 1/2	2 7/8	16 7/8	33									
5	36		2 1/4			18	8 3⁄4	9 1/4	15 3/8	5 3/8	12 5/8	17 1⁄8	1 1/2	2 7/8	16 7/8	33									
PR	DJECT	NO:					н	VY:					COUN	NTY:											
FILE		•\CAEfile	s\Pro iec	teltr etr		6 DCN										PLOT DAT	E • 16-M	R-2018 1	4 • 1 1	PL OT	BY • \$\$	olotuse	ar \$\$		F :

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```
1. Sign is Type II - Type H Reflective
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base
  material is plywood but borders shall be rounded
  as shown. When base material is metal, the
  corners and borders shall be rounded.
```

Z Årea sq. ft.		STATE M1-6 F	ROUTE MARKI FOR ASSEMBLI	ER IES
4.0		WISCONSIN	DEPT OF TRANSPORTAT	ION
9.0		APPROVED	Matthe & Paul	
9.0			f_{or} State Traffic Engineer	2
9.0	J	DATE <u>3/16/</u>	<u>18</u> PLATE NO. <u>M1-6</u>	.10
			SHEET NO:	E
PL0	T SCALE : 6.	.655277:1.000000	WISDOT/CADDS SH	EET 42











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- All Signs Type I
 Color:
 - Background -Message - Se
- 3. Message Series
- 4. Corners may be material is plyw as shown. When corners and bo
- 5. M3-1 thru M3-4

MB3-1 thru MB3.

- MK3-1 thru MK3-
- MM3-1 thru MM3-
- MN3-1 thru MN3-
- MP3-1 thru MP3
- 6. Note the first than the remai

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PLAT DATE . AL-DEC-2015 17:54 PLAT RY . \$\$ Diatuser \$\$ PLAT NAME :

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<u>TES</u> II - Type H
See note 5 ee note 5 - C
ood but borders shall be rounded base material is metal, the orders shall be rounded.
Background - White Message - Black -4 Background - Blue Message - White
-4 Background - Green Message - White -4 Background - White
Message - Green -4 Background - Brown Message - White -4 Backaround - White
Message - Blue letter of each direction is larger inder of the message.

		STANDARD SIGNS
Z	Area sq. ft.	M3-1thur M3-4
		SERIES
	2.00	WISCONSIN DEPT OF TRANSPORTATION
	4.5	APPROVED Matthew P Paul
	4.5	for State Traffic Engineer
	4.5	DATE 10/15/15 PLATE NO. M3-1.14
		SHEET NO:

-



7				C																					AIL	n is DOT STRU ackgr essage ners shown ners	
	SIZE	A 24	B	C	D 3/	E	F	G	H	I 1	J 2 7/	K		M	N	0	P	0	R	S	T	U	V	W	x	Y	Ŧ
	25 2M	24 24	36 36	1 1/8 1 1/8	⁻ /8 - ³ /8	1/2 1/2	4	1/4 1/4	2 1/2	1	2 1/8 2 1/8	2 % 2 %	5 1/4 3 1/4	2	1 ¹ / ₂	('/4 7 '/4	1 1/2 7 1/2		8 1/8 8 1/8	7 ⁵ /8	8	22°	1/2 1/2	9 1/2 9 1/2			╞
	3	36	54	1 3⁄4	1/2	5⁄/8	6	3⁄8	3 3⁄4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3⁄4	13 1/4			ļ
	4 5																										+
	2																										<u> </u>
	PRO	JECT	NO:					ни	/Y:					COUN	ITY:												
ļ							201																				_

ype II - Type H Reflective - reference Standard Specification for HIGHWAY CTURE CONSTRUCTION latest edition.

ound - White e - Black Series - E may be square or rounded when base is plywood but borders shall be rounded h. When base material is metal, the and borders shall be rounded.

7	Area	1				
2	sq. ft.		S	TANDARD	SIGN	
	6.0			R3-2	0L	
	6.0		WISCON	SIN DEPT OF T	RANSPORT AT IOI	v
	13.5		APPROVED	Matthe	P P	
				for State Tra	ffic Engineer	125
			DATE 10/18	<u>8/10</u> PLAT	E NO. R3-201	<u>.</u> 7
				SHEET NO):	Ε
	DL OT		. 47 . 1 . 0.000	<u></u>		

WISDOT/CADDS SHEET 42





PLOT NAME :

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NOTES

2. Color:

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

Background - Orange Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

		PLOTS	CALE : 9.13	37199:1.000000	SHEET	NU:	E
				DATE	6/11	PLATE NO. <u>W12-5</u> 2	<u>2.7</u>
-					for State	• Traffic Engineer	
				-	Matther	R Rauch	_
				0 0 I			
		16.0		WISCONSI	V DEPT OF	TRANSPORTATION	/
		16.0			W12	-52	
				SI.	ANDAR	D SIGN	
	Z	Area sq. ft.		6 T		D. GTON	



PROJECT NO: FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN

PLOT DATE : 25-SEPT-2019

PLOT BY : dotc4c

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SHEET NO:



- 2. Color:
 - Background Orange Message - Black
- 3. Message Series C

SIZE	A	В	С	D	E	F	G	н	I	J	к	L	M	N	0	P	0	R	S	Т	U	v	W	x	Y	Z	Are sq. 1
1	24		1 1/8	3∕8	1/2	4	2 1/2	10 3⁄4	6																		4.0
2S	30		1 3/8	1/2	5%8	5	3	13 3/8	7 1/2																		6.2
2M	30		1 3/8	1/2	5⁄8	5	3	13 3/8	7 1/2																		6.2
3	36		1 5/8	5⁄8	3⁄4	6	3 1/2	16	9																		9.0
4	48		2 1/4	3⁄4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	¥4	1	8	5	21 3/8	11 1/4																		16.0
PRO	JECT	NO:						HWY:					(COUNT	Y:												
FILE N	E NAME : C:\Users\PROJECTS\tr_stdplate\W215.DGN															PL	OT DATE	: 21-MA	R-2011 08	3:01	PLOT	BY : ms	cj9h		PLOT N	AME :	

```
1. Sign is Type II - Type F Reflective - reference
  WIS DOT Standard Specification for HIGHWAY
  and STRUCTURE CONSTRUCTION latest edition.
4. Corners may be square or rounded when base
  material is plywood but borders shall be rounded
  as shown. When base material is metal, the
  corners and borders shall be rounded.
```

e0 ft.		ST	ANDARD	SIGN	
) 25			W21-5		
25		WISCONS	N DEPT OF TR	ANSPORTATION	1
C		APPROVED	Matthe	R Rouch	,
0		7 (01	For State Trat	fic Engineer)
0		DATE 3721	<u>'II</u> PLA1	E NO. <u>W21-5.5</u>	·
			SHEET NO):	Ε
	PLOT SCALE : 6.20	7338:1.000000	WISDOT/	CADDS SHEE	T 42



- 2. Color:

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- Background Orange Message - Black

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PROJECT NO:	HWY:	COUNTY:		
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN		PLOT DATE : 28-FEB-2014 11:	35 PLOT BY : msc i9h	PLOT NAME

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

		STANDARD SIGN										
Z	Area sq. ft.	$W \cap 1 = A$										
	9.0	WOI-4										
	16.0	WISCONSIN DEPT OF TRANSPORTATION										
	16.0											
	16.0	APPROVED Matthew & Rauch										
	16.0	f_{or} State Traffic Engineer										
	16.0	DATE <u>11/18/1</u> 3 plate no. <u>W01-4.1</u>										
		SHEET NO: E										

WISDOT/CADDS SHEET 42





SIZE	Α	В	С	D	E	F	G	н	I	J	к	L	M	N	0	P	0	R	S	Т	U	v	W	X	Y
1																									
2S	48	24	1 3/8	1/2	5⁄8		12	13 1⁄4	1	7 1/2	6 ¹ /2	3 1/4	19 1⁄2	39											
2M	48	24	1 3/8	1/2	5%		12	13 1⁄4	1	7 1/2	6 ½	3 1/4	19 1/2	39											
3	60	30	1 3/8	1/2	5%		15	16 1⁄4	1 1/4	9 1/4	8	4	24 3/8	48 3⁄4											
4	60	30	1 3/8	1/2	5⁄8		15	16 1⁄4	1 1/4	9 1/4	8	4	24 3/8	48 ¾											
5	60	30	1 3/8	1/2	5⁄8		15	16 1⁄4	1 1/4	9 1/4	8	4	24 3/8	48 3⁄4											
PRC	PROJECT NO:							/Y:					COUN	ITY:											
FILE N	AME : C:	\CAEfile	s\Project	s\tr_std	olate∖W01	16.DGN									F	PLOT DATI	E : 28-FE	B-2014 11	L:37	PLOT	BY : msc	j9h	f	LOT NAME	:

- 2. Color:
 - Message Black

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN

PLOT BY : mscj9h

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

Background - Orange

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Z	Areg sq. ft.	STANDARD SIGN
	8.0	WO1-6
	8.0	WISCONSIN DEPT OF TRANSPORTATION
	12.5	APPROVED Matthew & Round
	12.5	For State Traffic Engineer
	12.5	DATE <u>11/18/13</u> PLATE NO. <u>WO1-6.1</u>
		SHEET NO: E





- 1. Sign is Type II Type F Reflective
- 2. Color:
 - Background Orange Message – Black
- 3. Message Series C
- 4. Corners may be square or rounded when base corners and borders shall be rounded.



* See note 5

SI	ZE	Α	В	С	D	E	F	G	н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Ar sq.
[]		36	24	1 1/8	3⁄8	1/2	6	4 1/2	3	4 ¾	14 5/8	10 5/8	11 3/8	2	12													6
2	S	48	36	1 3/8	1/2	5⁄8	8	7	6	6 3/8	19 1⁄2	14	15	2 3/4	16 3/8													12
2	М	48	36	1 3/8	1/2	5⁄8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12
	3	48	36	1 3/8	1/2	5⁄8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12
	1	48	36	1 3/8	1/2	5⁄8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12
	5	48	36	1 3/8	1/2	5⁄8	8	7	6	6 3/8	19 ½	14	15	2 3/4	16 3/8													12
PF	50J	ЕСТ	NO:						HWY:					C	COUNTY													

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W05752.DGN

PLOT DATE : 21-MAR-2017 08:53

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PLOT BY : \$\$...plotuser...\$\$ PLOT NAME :

material is plywood but borders shall be rounded as shown. When base material is metal, the 5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

Area sq. ft.		STANDARD SIGN
6.0		W057-52
12.0		
12.0		WISCONSIN DEPT OF TRANSPORTATION
12.0		APPROVED Matthew P. P
12.0		for State Traffic Engineer
12.0		DATE 3/21/17 PLATE NO. W057-52.2
		SHEET NO: E
	PLOT SCALE : 8	.139174:1.000000 WISDOT/CADDS SHEET 42
































Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov

