

FILE NAME : G:\00-PROJECT FILES\2021\21007 T. GOODRICH, HETLAND AVE BRIDGE REPLACEMENT ID 9548-00-00\0-CAD\SHEETSPLAN\010101_TI.DWG

WITH:

PLOT BY : ERIK MEYER

PLOT NAME :



G:\00-PROJECT FILES\2021\21007 T. GOODRICH, HETLAND AVE BRIDGE REPLACEMENT ID 9548-00-00\0-CAD\SHEETSPLAN\020101 GN.DWG FILE NAME LAYOUT NAME - 020101_gn

PLOT DATE : 7/19/2021 12:11 PM PLOT BY : ERIK MEYER PLOT NAME

RUNOFF COEFFICIENT TABLE

					HYDRO	DLOGIC SOIL	GROUF	0				
			A			В			С			D
		SLOPE (PER	ERANGE CENT)	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE 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	5					
						.8095)					
BRICK						.7080)					
DRIVES, WALKS						./585						
KOUFS						./595	>					
GRAVEL ROADS, SHO	UULDE	KS				.4060)					

TOTAL PROJECT AREA = 0.23 ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.16 ACRES

GENERAL NOTES

EROSION CONTROL ITEMS TO BE PLACED AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER. SILT FENCE AND TURBIDITY BARRIER SHALL BE IN PLACE PRIOR TO CONSTRUCTION.

EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TEMPORARY SEEDED, MULCHED, AND E-MATTED AS DIRECTED BY THE ENGINEER.

SLOPES STEEPER THAN 2.5:1 REQUIRE EROSION MAT.

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

SLOPE INTERCEPTS IN THESE LOCATIONS.

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

D.O.T. MONUMENT IS TO BE FURNISHED BY THE STATE AND PLACED BY THE CONTRACTOR IN THE SAME WING THAT THE PROPOSED NAME PLATE WILL BE PLACED, AS DIRECTED BY THE ENGINEER.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), TAYLOR COUNTY, HORIZONTAL DATUM NAD83 (2011), ELEVATION DATUM NAVD88 (2012).

ALL SIGNS WITHIN THE PROJECT LIMITS SHALL BE REMOVED, SALVAGED, AND REPLACED. STACK SIGNS AND POSTS IN SECURE LOCATION AND NOTIFY AND COORDINATE WITH THE TAYLOR COUNTY HIGHWAY DEPARTMENT FOR PICKUP.

EXISTING BRIDGE GIRDERS SHALL BE REMOVED AND SALVAGED BY THE CONTRACTOR. NOTIFY AND COORDINATE WITH THE TAYLOR COUNTY HIGHWAY DEPARTMENT FOR PICKUP.

AADT AAG. B.M. C OR CL CR. C.T.H. CWT. C.Y. D H	ANNUAL AVERAGE DAILY TRAFFIC AGGREGATE BENCH MARK CENTERLINE CRUSHED COUNTY TRUNK HIGHWAY HUNDREDWEIGHT CUBIC YARD DOUBLE HEADED	L.F. L.H.F. L.S. LT. MAX. MIN. N. NOR. PAVT	LINEAR FEET LEFT HAND FORWARD LUMP SUM LEFT MAXIMUM MINIMUM NORTH NORMAL BAYEMENT	REQ'D RT. R/W RD. RDWY. S. SE SHRK. S R	REQUIRED RIGHT RIGHT-OF-WAY ROAD ROADWAY SOUTH SOUTHEAST SHRINKAGE SIDE ROAD
D.H.V. D.H.V. DIR. E. COR. EL. OR ELEV. F.E. FT. GAL. H.W. IN. K L.	DESIGN HOURLY VOLUME DIRECTED EAST CORNER ELEVATION FIELD ENTRANCE FOOT (FEET) GALLON HIGH WATER INCHES SIGHT DISTANCE LENGTH OF CURVE	P.C. P.I. P.E. P.K. P OR PL P.P. PROJ. P.T. PVMT. R. R.R. REINF.	POINT OF CURVE POINT OF INTERSECTION PRIVATE ENTRANCE PARKER-KALON NAIL PROPERTY LINE POWER POLE PROJECT POINT OF TANGENCY PAVEMENT RADIUS RAILROAD REINFORCED	STD. S.T.H. STA. S.Y. T UNCL. V. V.C. VAR. W.	STANDARD STATE TRUNK HIGHWAY STATION SQUARE YARD TANGENT LENGTH OF CURVE TRANSIT LINE UNCLASSIFIED EXCAVATION DESIGN SPEED VERTICAL CURVE VARIABLE WEST
OTES & TYPICA	AL SECTIONS			SHEE	T E

WETLANDS ARE PRESENT AT THE LOCATIONS SHOWN IN THE PLANS. DO NOT OPERATE MACHINERY OUTSIDE OF THE

STANDARD ABBREVIATIONS

2

WISDOT/CADDS SHEET 42

Estimate Of Quantities

					9548-00-70	
Line	Item	Item Description	Unit	Total	Qty	
0002	201.0105	Clearing	STA	2.000	2.000	
0004	201.0205	Grubbing	STA	2.000	2.000	
0006	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 01. P-60-0104	EACH	1.000	1.000	
8000	205.0100	Excavation Common	CY	91.000	91.000	
0010	206.1000	Excavation for Structures Bridges (structure) 01. B-60-0153	LS	1.000	1.000	
0012	208.0100	Borrow	CY	99.000	99.000	
0014	210.1500	Backfill Structure Type A	TON	314.000	314.000	
0016	213.0100	Finishing Roadway (project) 01. 9548-00-70	EACH	1.000	1.000	
0018	305.0110	Base Aggregate Dense 3/4-Inch	TON	72.000	72.000	
0020	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	148.000	148.000	
0022	502.0100	Concrete Masonry Bridges	CY	163.000	163.000	
0024	502.3200	Protective Surface Treatment	SY	214.000	214.000	
0026	505.0400	Bar Steel Reinforcement HS Structures	LB	3,940.000	3,940.000	
0028	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	24,710.000	24,710.000	
0030	506.0105	Structural Steel Carbon	LB	500.000	500.000	
0032	513.4061	Railing Tubular Type M	LF	105.000	105.000	
0034	516.0500	Rubberized Membrane Waterproofing	SY	10.000	10.000	
0036	550.0500	Pile Points	EACH	12.000	12.000	
0038	550,1100	Piling Steel HP 10-Inch X 42 I b	LE	420 000	420 000	
0040	606.0300	Riprap Heavy	CY	93.000	93.000	
0042	612.0406	Pipe Underdrain Wrapped 6-Inch	LE	142 000	142,000	
0044	618 0100	Maintenance And Repair of Haul Roads (project) 01 9548-00-70	FACH	1 000	1 000	
0046	619,1000	Mobilization	FACH	1.000	1.000	
0048	624 0100	Water	MGAI	4 400	4 400	
0050	625.0500	Salvaged Topsoil	SY	410,000	410,000	
0052	627 0200	Mulching	SY	50 000	50,000	
0054	628 1504	Silt Fence	I F	320,000	320,000	
0056	628 1520	Silt Fence Maintenance	L F	510 000	510 000	
0058	628 1905	Mobilizations Frosion Control	EACH	3 000	3 000	
0060	628 1910	Mobilizations Emergency Erosion Control	EACH	2 000	2 000	
0062	628 2008	Frosion Mat Urban Class I Type B	SY	410 000	410 000	
0064	628 6005	Turbidity Barriers	SY	140 000	140 000	
0066	629.0000	Fertilizer Type B	CWT	0.330	0.330	
0068	630 0130	Seeding Mixture No. 30	LB	10 000	10,000	
0070	630.0200	Seeding Temporary	LB	15,000	15,000	
0070	630.0500	Seed Water	MGAI	11 100	11 100	
0072	634 0612	Posts Wood 4x6-Inch X 12-ET	FACH	4 000	4 000	
0076	637 2230	Signs Type II Reflective F	SE	12 000	12 000	
0070	638 2602	Bemoving Signs Type II	EACH	6.000	6.000	
0070	629 2000	Removing Signs Lype II Bemoving Small Sign Supports	EACH	4.000	4.000	
0000	642 5001	Field Office Type R		4.000	4.000	
0002	642.0001	Field Office Type D		1.000	1.000	
0004	642.0420	Traffic Control Marning Lights Type III		2 744 000	2 744 000	
0000	643.0705	Traffic Control Signo		3,744.000	3,744.000	
0000	643.0900	Traffic Control		1,072.000	1,072.000	
0090	043.5000	Hamic Control	EACH	1.000	1.000	
0092	045.0111	Geotextile Type DF Schedule A	SY	58.000	58.000	
0094	045.0120		SY	1/0.000	170.000	
0096	650.4500	Construction Staking Subgrade		100.000	100.000	
0098	650.5000	Construction Staking Base	LF	100.000	100.000	

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			E	stimate Of Q	uantities	
					9548-00-70	
Line	Item	Item Description	Unit	Total	Qty	
0100	650.6500	Construction Staking Structure Layout (structure) 01. B-60-0153	LS	1.000	1.000	
0102	650.9910	Construction Staking Supplemental Control (project) 01. 9548-00-70	LS	1.000	1.000	
0104	650.9920	Construction Staking Slope Stakes	LF	100.000	100.000	
0106	715.0502	Incentive Strength Concrete Structures	DOL	972.000	972.000	
0108	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 01. 10+50	EACH	1.000	1.000	
0110	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.000	300.000	
0112	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	300.000	

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NOTE: ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED.

STATION - STATION

10+75 - 11+25

- 10+25

9+75

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EARTHWORK SUMMARY

	STATION	[-	STATION	LOCATION	COMMON EXCAVATION (1) (ITEM # 205.0100) CUT (2)	SALVGED / UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)	UNEXPANDED FILL	EXPANDED FILL (5) FACTOR 1.25	MASS ORDINATE +/- (6)	BORROW (7) (ITEM # 208.0100)	COMMENT:
	9+75	~	10+25	WESTAPPROACH	47	0	47	89	111	-64	64	
	10+75	2	11+25	EAST APPROACH	44	0	44	63	79	-35	35	
1				TOTALS	91	0	91	152	190	-99	99	

1) COMMON EXCAVATION IS THE CUT. ITEM # 205.0100.

2) SALVAGED/UNUSABLE MATERIAL IS INCLUDED IN CUT.

3) SALVAGED/UNUSABLE MATERIAL INCLUDES ASPHATLIC PAVEMENT.

4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE MATERIAL

5) EXPANDED FILL FACTOR = 1.25: EXPANDED FILL = (UNEXPANDED FILL)*1.25

6) THE MASS ORDINATE + OR - CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL IN THE DIVISION 7) BORROW = ABSOLUTE VALUE OF MASS ORDINATE

FINISHING ITEMS

						628.2008				
				625.0500		EROSION MAT	629.0210	630.0130	630.0200	630.0500
				SALVAGED	627.0200	URBAN	FERTILIZER	SEEDING	SEEDING	SEED
				TOPSOIL	MULCHING	CLASS I TYPE B	TYPE B	MIX NO. 30	TEMPORARY	WATER
STATION	-	STATION	LOCATION	(SY)	(SY)	(SY)	(CWT)	(LB)	(LB)	(MGAL)
9+75	-	10+25	MAINLINE, LT	78		78	0.06	2	3	2.1
9+75	-	10+25	MAINLINE, RT	83		83	0.07	2	3	2.3
10+75		11+25	MAINLINE, LT	85		85	0.06	2	3	2.2
10+75		11+25	MAINLINE, RT	83		83	0.07	2	3	2.3
			UNDISTRIBUTED	81	50	81	0.07	2	3	2.2
			TOTALS	410	50	410	0.33	10	15	11.1

BASE AGGREGATE DENSE

201.0105

CLEARING

(STA)

1

1

2

201.0205

GRUBBING

(STA)

1

1

2

CLEARING AND GRUBBING

LOCATION

MAINLINE

MAINLINE

TOTALS

				305.0110	305.0120	
				3/4-INCH	1 1/4-INCH	624.0100
				BASE	BASE	WATER
STATION	-	STATION	LOCATION	(TON)	(TON)	(MGAL)
9+75	-	10+25	MAINLINE	36	74	2.2
10+75	-	11+25	MAINLINE	36	74	2.2
			TOTALS	72	148	4.4

				SILT FENCE	L							
					628.1504 SILT FENCE	628.1520 SILT FENCE MAINTENANC	Œ				TURBIDITY I	BARRIER
		STATION	- STATION	LOCATION	(LF)	(LF)					LOCATION	(SY)
		9+75 9+75 10+75	- 10+25 - 10+25 - 11+25	MAINLINE, LT MAINLINE, RT MAINLINE, LT	60 70	120 140 120					WEST APPROACH EAST APPROACH	65 75
		10+75	- 11+25	MAINLINE, RT UNDISTRIBUTED	65 65	130					TOTALS	140
				TOTALS	320	510	_					
PROJECT NO:	9548-00-70		HWY: H	ETLAND AVE			COUNTY: TAYLOR		MISCELLANEOUS QUANTITIES			
FILE NAME : G:\00-F	PROJECT FILES\2021\21007 T. GOODRICH, HE	TLAND AVE BRIDGE REF	LACEMENT ID 9	548-00-00\0-CAD\SHEETS	PLAN\030201	MQ.DWG	PLOT DATE	: 10/12/2021 10:27 AM	PLOT BY : ERIK MEYER	PLOT NAME :		PLOT SCALE :

±_1 LAYOUT NAME - 030201_mq

SHEET

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SIGNING

			634.0612	637.2230	638.2602	638.3000	
			POSTS WOOD	SIGNS TYPE II	REMOVING	REMOVING	
			4X6-INCH	REFLECTIVE	SIGN	SMALL SIGN	
			X 12-FT	TYPE F	TYPE II	SUPPORTS	
STATION	LOCATION	SIGN CODE	(EACH)	(SF)	(EACH)	(EACH)	NOTES
10+25	LT	W5-52L	1	3	1	1	BRIDGE HASH MARKS
10+25	RT	W5-52R	1	3	1	1	BRIDGE HASH MARKS
10+25	RT		·		1		LOAD POSTING
10+75	LT	W5-52R	1	3	1	1	BRIDGE HASH MARKS
10+75	LT				1	1	LOAD POSTING
10+75	RT	W5-52L	1	3	1		BRIDGE HASH MARKS
	-	TOTAL	4	12	6	4	-

MOBILIZATIONS EROSION CONTROL

	628.1910
628.1905	MOBILIZATIONS
MOBILIZATIONS	EMERGENCY
EROSION CONTROL	EROSION CONTROL
(EACH)	(EACH)
3	2
3	2
	628.1905 MOBILIZATIONS EROSION CONTROL (EACH) 3 3

TRAFFIC CONTROL

		64 TRAFFI BAR	3.0420 C CONTROL RICADES	64 TRAFFI WARN	3.0705 C CONTROL ING LIGHTS	64 TRAFFI	3.0900 C CONTROL	643.5000 TRAFFIC
		т	YPE III	т	YPEA	S	IGNS	CONTROL
LOCATION	DURATION	(NO.)	(DAY)	(NO.)	(DAY)	(NO.)	(DAY)	(EACH)
PROJECT								1
WEST APPROACH	104	8	832	16	1664	8	832	
EAST APPROACH	104	8	832	16	1664	8	832	
UNDISTRIBUTED	104	2	208	4	416	2	208	
	TOTAL	18	1872	36	3744	18	1872	1

PLACE TRAFFIC CONTROL IN ACCORDANCE WITH SDD 15C2

						650.6500	650.9910	650.992
				650.4500	650.5000	STRUCTURELAYOUT	SUPPLEMENTAL	SLOPE
				SUBGRADE	BASE	01.B-60-0153	CONTROL	STAKES
STATION	1070	STATION	LOCATION	(LF)	(LF)	(LS)	(LS)	(LF)
9+75	-	10+25	MAINLINE	50	50			50
10+75	-	11+25	MAINLINE	50	50			50
	-		PROJECT			1	1	
			TOTALS	100	100	1*	1	100

FLACE MATTIC CONTROL IN ACCORDANCE WITH 500 15C2.
PLACEMENT SUBJECT TO ENGINEER APPROVAL.

			* CATE	GORY 0020			
PROJECT NO: 9548-00-70	HWY: HETLAND AVE	COUNTY: TAYLOR			MISCELLANEOU	S QUANTITIES	
FILE NAME : G:\00-PROJECT FILES\2021\21007 T. GOODRICH, HETLAND AVE BRIDGE REPLACEMENT ID 9548-00-00\0-CAD\SHEETSPLAN\030201 MQ.DWG			PLOT DATE :	7/22/2021 9:39 AM	PLOT BY :	ERIK MEYER	PLOT NAME :

GOODRICH, HETLAND AVE BRIDGE REPLACEMENT ID 9548-00-00\0-CAD\SHEETSPLAN\030201_MQ.DWG LAYOUT NAME - 030202_mq

PLOT DATE : 7/22/2021 9:39 AM

PLOT BY :

PLOT NAME

3

CONSTRUCTION STAKING

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LAYOUT NAME - 050101_pp

PLOT DATE : 7/21/2021 2:12 PM

PLOT NAME :

Standard Detail Drawing List

08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E11-02	TURBI DI TY BARRI ER
12A03-10	NAME PLATE (STRUCTURES)
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRI CADES AND SIGNS FOR VARIOUS CLOSURES
15C06-09	SIGNING & MARKING FOR TWO LANE BRIDGES
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS



S,D,D, 8 E 8

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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)





- WATER ELEVATIONS.





SDD 08E -. 02





ALTERNATE LUG (FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT. (1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE

(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE



ALTERNATE LUG

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE FHWA

/S/ Scot Becker CHIEF STRUCTURAL DEVELOPMENT ENGINEER 3-10 ∢ 2 Δ

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GENERAL NOTES

FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SUPPORTS.

FULL ROAD CLOSURES.

THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

- ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11 - 2 SHALL BE 48" X 30"
 - R11 3 SHALL, R11 4 AND R10 61 SHALL BE 60 " X 30" M4 - 9 SHALL BE 30" X 24"
 - M3 X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
 - M4 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
 - MO5 1 AND MO6 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
 - D1 X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1 - 1 SHALL BE 36" X 36"
- TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING
- (1)THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING
- (2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- (5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE SIGNS AS SHOWN.
- (7)"EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.





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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



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	ô	WOO	DF	POST			
		MOD	IF	FICA	TI	SNC			
	WISC	onsin l	DEF	PT OF T	RANSI	PORTATION	'		
	APPROVE	D		hester .	Γέ	Spang			
	for State Traffic Engineer								
	DATE 3	/27/9	<u>17</u>	PLA	TE NO	<u>A4-11.2</u>	2		
			9	SHEET	N0:		Ε		
OT SCALE	SCALE : 6.207338:1.000000 WISDOT/CADDS SHEET 42								



PROJECT NO:	HWY:	COUNTY:			
			DU OT DUTE V AT NUM ODOO AVA	DI OT DY I IO	DLOT 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 or behind barrier wall. see A4-10 sian plate. The Double Arrow sign (W12-1D) 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'' (+). 3. For expressways and freeways, mounting height is 7'- 3" (\pm) or $6'-3''(\pm)$ depending upon existence 4. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (+). 5. Offset distance shall be consistent with existing signs or consistent throughout length of project. 6. The (+) tolerance for mounting 7. Folding signs shall be mounted at a height of 5'-3" (\pm) or as directd by the Engineer.

)	
	TYPICAL INSTALLATION
	OF PERMANENT TYPE II
	SIGNS ON SINGLE POSTS
	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthew & Rauch For state Traffic Engineer
	DATE <u>5/13/202</u> 0 PLATE NO. <u>44-3.22</u>
	SHEET NO: E
PLOT SCALE : \$\$	WISDOT/CADDS SHEET 42



3 fasteners.

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

 $\frac{3}{8}$ " X 4" (STRINGERS ON BACK OF SIGN)

MACHINE BOLTS - ³/₈" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN) 3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

ATTACHMENT OF SIGNS TO POSTS
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch
For State Traffic Engineer
DATE <u>4/1/202</u> 0 plate no. <u>A4-8.9</u>
SHEET NO: E



FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W552.DGN

7

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. Alternate colors of stripes as shown.

Z	Area sq. ft.	STANDARD SIGN							
		W5-52L & W5-52R							
	3.0								
	3.0	WISCONSIN DEPT OF TRANSPORTATION							
	6.75	APPROVED Matthew & Rauch							
		for State Traffic Engineer							
		DATE 5/29/12 PLATE NO. W5-52.9							
SHEET NO: E									
PLOT SCALE : 4.961899:1.000000 WISDOT/CADDS SHEET 42									

PLOT DATE : 29-MAY-2012 13:03





*REQUIRED FOR TWO PROTECTION ANGLE RUNNING FULL WIDTH OF BRIDGE DECK.

FILLER

THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 0.9

SIZE

▲ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

GENERAL NOTES

STATE PROJECT NUMBER

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DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ³/₄" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-60-0153" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE HR TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

AT ABUTMENTS, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO ENTIRE EXPOSED TOP OF SLAB, INCLUDING THE SLAB EDGE AND 1'-0" UNDER THE SLAB, THE TOP AND EXTERIOR EXPOSED FACE OF WINGS AND FRONT FACE OF ABUTMENT TO 1'-0" PAST THE EDGE OF SLAB.

BENCH MARK

NO.	STATION	DESCRIPTION	ELEV.
BM #1	10+45.03	CHISELED "X", 9.80' LT.	1428.09



RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAING WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

NO.	DATE	F		BY					
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION									
STRUCTURE B-60-153									
			DRAWN BY	JDO	PLANS CK'D	ACK			
	CRO	SS SECTIO	SHEE	T 2					
	C	UANTITIE	S						

SCALE = NA





ΝA

SCALE =





9548-00-70



ΝA

SCALE =

8

THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 0.9





9548-00-70







CAMBER AND SLAB THICKNESS DIAGRAM

CAMBER SHOWN IS BASED ON 3 TIMES DEAD LOAD DEFLECTIONS. CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT. PARAPETS, SIDEWALKS AND MEDIANS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED, EXCEPT FOR STAGED CONSTRUCTION.

TO DETERMINE FALSEWORK ELEVATION AT EDGE OF SLAB, CROWN OR REFERENCE LINE FOLLOW THIS PROCEDURE:

- TOP OF SLAB ELEVATION AT FINAL GRADE SLAB THICKNESS
- LESS
- PLUS CAMBER
- FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR) TOP OF SLAB FALSEWORK ELEVATION PLUS
- EQUALS





PROTECTION ANGLE DETAIL

ANGLE AND STUDS TO BE PAID FOR AT THE UNIT PRICE BID FOR "STRUCTURAL STEEL CARBON". (NO PAINT REQ'D.)

SANDBLAST PROTECTION ANGLE AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PROTECTION ANGLE SHALL BE HOT DIPPED GALVANIZED.

PROTECTION ANGLES ARE REQUIRED AT BOTH END OF SLABS AND ARE TO BE EMBEDDED IN THE BRIDGE SLAB CONCRETE. ENSURE PROTECTION ANGLES ARE SECURELY IN PLACE PRIOR TO POURING THE BRIDGE SLAB.

TOP OF SLAB ELEVATIONS

	€ BRG. W. ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	€ BRG. E. ABUT.
N. EDGE OF DECK	1426.95	1427.02	1427.07	1427.12	1427.15	1427.17	1427.17	1427.17	1427.15	1427.12	1427.08
CROWN OR 🗉	1427.21	1427.28	1427.33	1427.38	1427.41	1427.43	1427.43	1427.43	1427.41	1427.38	1427.34
S. EDGE OF DECK	1426.95	1427.02	1427.07	1427.12	1427.15	1427.17	1427.17	1427.17	1427.15	1427.12	1427.08

STATE PROJECT NUMBER

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BILL OF BARS

NOTE: THE FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAS	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
S1101	Х	53	50'-2"			SLAB BOTTOM LONGITUDINAL
S702	Х	51	26'-2"			SLAB BOTTOM TRANSVERSE
S503	Х	51	26'-2"			SLAB TOP TRANSVERSE
S504	Х	27	50'-2"			SLAB TOP LONGITUDINAL
S505	Х	54	7'-8"	Х		ABUTMENT DIAPHRAGM STIRRUPS
S506	Х	4	26'-2"			ABUTMENT DIAPHRAGM LONGITUDINAL
S607	Х	56	6'-0"			SLAB TOP LONGIT. UNDER RAIL POSTS
S608	Х	16	4'-8"	Х		SLAB TOP LONGIT. UNDER RAIL END POSTS
S609	Х	36	12'-0"	Х		SLAB TOP HOOKS UNDER RAIL POSTS



NO SPLICE SHALL BE PERMITTED IN ANGLES

SURVEY TOP OF SLAB ELEVATIONS

	ABUT	MENT	5/	/10 PT.		1ENT				
N. GUTTER										
CROWN OR €										
S. GUTTER										
PRIOR TO RELEA THE & OF ABUT ELEVATIONS AL THE TABLE ABC	ASING SLA MENTS, & ONG GUT OVE FOR TH	B FORM OF PIERS TER LINE HE "AS B	WORK, TAKE 5 AND AT 5/ 5 AND CRO\ UILT" PLANS	E TOP OF DEC 10 PTS. TO VE WN OR €. REG S.	K ELEVATION RIFY CAMBE CORD ELEVA	ns a ⁻ :r. t tion	T TAKE IS IN		8	
	NO.	DATE		REVISION			BY			
			S DEPARTM STRUCTU	TATE OF WISCON MENT OF TRANS JRES DESIG	NSIN PORTATION N SECTIO	N				
	S	TRUC	TURE	B-60- 2	L53					
				DRAW BY	N PL JDO CK	ANS 'D	AC	(
	SUPERSTRUCTURE DETAILS									



THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 0.9

9548-00-70

1 W6 x 25 WITH 1½ " X 1½ " HORIZ. SLOTS ON EACH SIDE OF POST FOR BOLT NO. 6. CUT BOTTOM OF POST TO MATCH CROSS SLOPE OF ROADWAY. PLACE POST VERTICAL. PLACE POSTS NORMAL TO GRADE LINE.

(2) PLATE $1\frac{1}{4}$ " x $11\frac{3}{4}$ " x 1-8" WITH $1\frac{1}{16}$ " OVERSIZED HOLES FOR ANCHOR BOLTS NO. 3. WELD TO NO. 1 AS SHOWN.

ASTM A449 - 1 ½" DIA. ANCHOR BOLTS WITH NUT AND HARDENED WASHER (ALL GALVANIZED). 5 REQ'D. PER POST. THREAD 3" AND PLACE NORMAL TO PLATE NO. 2. CHAMFER TOP OF BOLTS BEFORE THREADING. USE 1'-9" LONG IN ABUTMENT WINGS. AT POSTS ON CONCRETE SLAB SUPERSTRUCTURES WHERE THE SLAB THICKNESS IS > 16" USE 1'-3" LONG. USE 10 3⁄4" LONG AT ALL OTHER LOCATIONS. (AN EQUIVALENT THREADED ROD WITH NUTS AND HARDENED WASHERS MAY BE SUBSTITUTED FOR ANCHOR BOLTS IN WINGS IF REQ'D. FOR

(4) $\frac{5}{8}$ " x 11" x 1'-8" ANCHOR PLATE (GALVANIZED) WITH $1\frac{3}{16}$ " DIA. HOLES FOR ANCHOR BOLTS NO. 3

(5) TS 5 x 4 x 0.25 STRUCTURAL TUBING. ATTACH TO NO. 1 WITH NO. 6.

(5A) TS 5 x 5 x 0.25 STRUCTURAL TUBING. ATTACH TO NO. 1 WITH NO. 6

(6) $\frac{7}{8}$ " DIA. A325 SLOTTED ROUND HEAD BOLT WITH NUT, $\frac{3}{16}$ " X 1 $\frac{5}{8}$ " X 1 $\frac{5}{8}$ " MIN. WASHER, AND LOCK WASHER (2 REQ'D. AT EACH RAIL TO POST LOCATION.)

(7) SPLICE SLEEVE FABRICATED FROM $\frac{1}{4}$ " PLATE. PROVIDE "SLIDING FIT".

(8) ¾" X 3 ½" X 2'-4" PLATE. 2 PER RAIL. USED IN NO. 5 & 5A

(8A) ¾" X 2 ½" X 2'-4" PLATE USED IN NO. 5, ¾" X 3 ½" X 2'-4" PLATE USED IN NO. 5A. 2 PER RAIL.

(9) %" DIA. A325 ROUND HEAD BOLT WITH NUT, WASHER, AND LOCK WASHER. USE ¹%6" x 1 %" LONGIT. SLOTTED HOLES IN PLATE NO. 10A AT FIELD JOINTS AND ¹⁵%6" X 2 %" MIN. LONGIT. SLOTTED HOLES AT EXP. JOINTS IN PLATE NO. 8A. PROVIDE ¹⁵/₁₆" DIA. ROUND HOLES IN TUBES NO. 5 AND NO. 5A.

1. BID ITEM SHALL BE "RAILING TUBULAR TYPE M" WHICH INCLUDES ALL ITEMS SHOWN.

2. RAIL POST AND BASE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50. HOLLOW RAILING STRUCTURAL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A500 GRADE B OR C WITH A CERTIFIED FY = 50 KSI. ANCHOR PLATES, AND SPLICE TUBE PLATES SHALL CONFORM TO THE REQUIREMENTS OF

3. The nut securing the post base plate to the concrete shall be tightened to a snug fit and given an additional $\frac{1}{2}$ turn.

4. RAILS SHALL BE CONTINUOUS OVER A MINIMUM OF THREE (3) POSTS WITHOUT SPLICES WHERE POSSIBLE. RAILS SHALL BE SPLICED IN A PANEL OVER EXPANSION JOINTS.

5. ENDS OF TUBE SECTIONS SHALL BE SAWED. GRIND SMOOTH EXPOSED EDGES. ALL CUT ENDS SHALL BE TRUE

6. WELD IS THE SAME ON BOTH FLANGES. FLANGE WELD DOES NOT REQUIRE MAGNETIC PARTICLE TESTING.

7. FILL BOLT SLOT OPENINGS IN POST SHIMS AND PLATE NO. 2 AND CAULK AROUND PERIMETER OF PLATE NO. 2 WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. STEEL POST SHIMS MAY BE USED UNDER POSTS

8. POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

9. ALL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, ALL STEEL RAILING POSTS & STEEL TUBING SHALL BE GIVEN A NO. 6 BLAST CLEANING BY SSPC SPECIFICATIONS.

							-		
NO.). DATE REVISION BY								
S	TRU								
			DRAWN BY	JDO	PLANS CK'D	ACK			
	τu	BULAR STEI	SHEE	T 10					
	RAII	LING TYPE '	М'						

4	AREA (SF)						INCREMEN	ITAL VOL (CY) (UNADJU	STED)				CUMUL	ATIVE VOL (CY)						
															EXPANDED MARSH		EXPANDED EBS	REDUCED MARSH	REDUCED EBS	MASS
	CUT	SALVAGED/UNUSABLE	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/UNUSABLE	FILL	MARSH EXC	ROCK EX	C EBS	CUT	EXPANDED FILL	BACKFILL	EXPANDED ROCK	BACKFILL	IN FILL	IN FILL	ORDINATE
STATION		PAVEMENT MATERIAL						PAVEMENT MATERIAL					1.00	1.25	1.50	1.10	1.30	0.60	0.80	
3							Note 1	Note 2	Note 3				Note 1		Note 4		Note 5	Note 6	Note 7	Note 8
09+74.75	26.10	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10+00.00	24.70	0.00	65.32	0	0	0	24	0	31	0	0	0	24	39	0	0	0	0	0	-15
10+18.38	26.00	0.00	77.13	0	0	0	17	0	48	0	0	0	41	99	0	0	0	0	0	-58
10+24.75	26.98	0.00	4.00	0	0	0	6	0	10	0	0	0	47	111	0	0	0	0	0	-64
							8			STRUC	TURE B-60)-153								
					DIVISION 1 T	OTALS	47	0	89	0	0	0								

2	AREA (SF)						INCREM	ENTAL VOL (CY) (UNADJU	ISTED)				CUMUL	ATIVE VOL (CY)						
STATION	сит	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK E	XC EBS	CUT Note 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL Note 2	FILL Note 3	MARSH EXC	ROCK EX	C EBS	CUT 1.00 Note1	EXPANDED FILL 1.25	EXPANDED MARSH BACKFILL 1.50 Note 4	EXPANDED ROCK 1.10	EXPANDED EBS BACKFILL 1.30 Note 5	REDUCED MARSH IN FILL 0.60 Note 6	REDUCED EBS IN FILL 0.80 Note 7	MASS ORDINATE Note 8
_										STRUC	TURE B-60	0-153						•		
10+75.25	23.05	0.00	4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10+81.62	21.70	0.00	71.59	0	0	0	5	0	9	0	0	0	5	11	0	0	0	0	0	-6
11+00.00	24.65	0.00	37.29	0	0	0	16	0	37	0	0	0	21	58	0	0	0	0	0	-36
11+25.25	25.27	0.00	0.00	0	0	0	23	0	17	0	0	0	44	79	0	0	0	0	0	-34
					DIVISION	2 TOTALS	44	0	63	0	0	0								
					PROJEC	TTOTALS	91	0	152	0	0	0								

NOTES:	
1-CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT	MAT THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED MARSH BACKFILL	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
5 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
6 - REDUCED MARSH IN FILL	REDUCED MARSH EXCAVATION THAT CAN BE USED IN FILL
7 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
8 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH CUT OR BORROW: [(CUT + MARSH EXC + EBS) - ((FILL - REDUCED MARSH IN FILL) - (REDUCED EBS IN FILL) - EXPANDED
8 - MASS ORDINATE	IF MARSH AND EBS TO BE BACKFILLED WITH GRANULAR: [(CUT + EBS + MARSH EXC) - ((FILL - (REDUCED MARSH IN FILL) - (REDUCED EBS IN FILL) - (EXPANDED REDUCED FILL) - (EXPANDED FILL) - (EXPA
8 - MASS ORDINATE	IF MARSH AND EBS TO BE BACKFILLED WITH GRANULAR: [(CUT) - ((FILL - EXPANDED ROCK) * FILL FACTOR))]
8 - MASS ORDINATE	IF MARSH AND EBS TO BE BACKFILLED WITH CUT OR BORROW: [(CUT) - ((FILL - EXPANDED ROCK) * FILL FACTOR))]

PF	ROJECT NO:	9548-00-70	HWY: HETLAND AVE	COUNTY: TAYLO	R		EARTHWORK D	ATA	
FILE	NAME : G:\00-P	ROJECT FILES\2021\21007 T. GOODRICH, HETLAND AVE BRIDGE RE NAME - 090101 ew	PLACEMENT ID 9548-00-00\0-CAD\SHEETSPLAN\090101_EW.DWG		PLOT DATE :	7/22/2021 2:40 PM	PLOT BY :	ERIK MEYER	PLOT NAME :



OCK)) * FILL FACTOR))]

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Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov

