

NOTE: ALL ITEMS ON THIS PAGE ARE FOR ENGINEER ESTIMATE CATEGORY 0010 UNLESS OTHERWISE NOTED.

CLEARING AND GRUBBING

PROJECT	STATION	TO STATION	CLEARING		GRUBBING	
			(25mm)	(40m)	(25mm)	(40m)
4095-05-71	1+200 - 1+220		---	1.0	---	1.0
	1+249 RT.		20	---	20	---
	1+897 - 1+924		---	1.0	---	1.0
	2+400 - 2+520		---	3.0	---	3.0
	3+520 RT.		36	---	36	---
	SUBTOTAL (71)		56	5.0	56	5.0
4095-05-72	4+765 - 4+795		---	1.0	---	1.0
	SUBTOTAL (72)		---	1.0	---	1.0
	CONTRACT GRAND TOTAL		56	6.0	56	6.0

REMOVING OLD CULVERTS

PROJECT	STATION	LOCATION	QTY. EACH	DESCRIPTION
4095-05-71	1+165	RIGHT	1	450 mm x 13 m CMCP
	1+720	SHAWN COURT	1	600 mm x 34 m CMCP
	1+815	RIGHT	1	600 mm x 13.6 m CMCP
	1+835	RIGHT	1	600 mm x 13 m CMCP
	2+400	RIGHT	1	600 mm x 8 m CMCP
	2+435	RIGHT	1	600 mm x 9 m CMCP
	2+454	LEFT	1	600 mm x 8 m CMCP
	3+010	RIGHT	1	450 mm x 7 m CMCP
	3+377	DEERING LANE	1	450 mm x 15 m RCCP
	3+449	LEFT	1	450 mm x 12 m CMCP
	3+485	RIGHT	1	600 mm x 11 m CMCP
	3+608	LEFT	1	450 mm x 10 m CMCP
	3+659	LEFT	1	450 mm x 10 m CMCP
	3+716	LEFT	1	450 mm x 9 m CMCP
	3+759	RIGHT	1	450 mm x 8 m CMCP
	3+784	LEFT	1	450 mm x 9 m CMCP
	4+053	RIGHT	1	450 mm x 9 m CMCP
	4+080	LEFT	1	450 mm x 9 m CMCP
	4+425	LEFT	1	450 mm x 7 m CMCP
	SUBTOTAL (71)		19	
4095-05-72	4+671	RIGHT	1	375 mm x 13 m CMCP
	4+700	LEFT	1	450 mm x 7 m CMCP
	4+768	LEFT	1	450 mm x 7 m CMCP
	4+797	LEFT	1	450 mm x 6 m CMCP
	4+817	LEFT	1	450 mm x 8 m CMCP
	4+848	LEFT	1	375 mm x 7 m CMCP
	4+920	NANCY STREET	1	450 mm x 15 m CMCP
	4+977	LEFT	1	450 mm x 8 m CMCP
	5+007	LEFT	1	450 mm x 8 m CMCP
	5+033	LEFT	1	450 mm x 9 m CMCP
	5+057	RIGHT	1	450 mm x 13 m CMCP
	5+060	LEFT	1	450 mm x 7 m CMCP
	5+088	LEFT	1	450 mm x 7 m CMCP
	5+112	RIGHT	1	450 mm x 13 m CMCP
	5+115	LEFT	1	450 mm x 12 m CMCP
	5+143	LEFT	1	450 mm x 6 m CMCP
	5+186	LINDA STREET	2	450 mm x 36 m CMCP
	5+232	LEFT	1	450 mm x 6 m CMCP
	SUBTOTAL (72)		19	
	CONTRACT GRAND TOTAL		38	

REMOVING CURB AND GUTTER

PROJECT	STATION TO STATION	LOCATION	QTY. m
4095-05-71	24+975 - 24+994.3	SHAWN COURT	45
	SUBTOTAL (71)		45
4095-05-72	5+242 - 5+288	RIGHT	46
	5+285 - 5+288	LEFT	3
	15+014 - 15+033	NANCY ST. (RT)	19
	15+015 - 15+033	NANCY ST. (LT)	18
	19+968 - 19+985	LINDA ST. (LT)	17
	19+968 - 19+987	LINDA ST. (RT)	19
	20+012 - 20+024.5	LINDA ST. (RT)	12.5
	20+012 - 20+024.5	LINDA ST. (LT)	12.5
	SUBTOTAL (72)		147
	CONTRACT GRAND TOTAL		192

REMOVING CONCRETE SIDEWALK

PROJECT	STATION - LOCATION	QTY. m
4095-05-72	5+143 LEFT	5.4
	5+281 LEFT	16.7
	15+027 - NANCY ST. (LT)	21.2
	15+027 - NANCY ST. (RT)	14.9
	CONTRACT GRAND TOTAL	58.2

REMOVING ASPHALTIC SURFACE, BUTT JOINTS

PROJECT	STATION	LOCATION	QTY. m2
4095-05-71	0+902	STH 96	116.3
	35+025	CTH U	48.9
		PE'S	99.0
	CONTRACT GRAND TOTAL		264.2

EARTHWORK SUMMARY

PROJECT	STATION TO STATION	COMMON EXC. (m3)	E.B.S (m3)	FILL (m3)	EXPANDED FILL (m3)	WASTE (m3)
4095-05-71	0+902 - 1+910	4 550	---	2 615	3 400	1 150
	1+910 - 2+310	6 085*	2 590	2 502	3 252	5 423
	2+310 - 4+638	5 078	---	6 412	8 336	-3 258
	SUBTOTAL (71)	15 713	2 590	11 529	14 988	3 315
4095-05-72	4+638 - 5+288	6 991	1 785	1 825	2 372**	6 404
	VAN DYKE STREET	143	---	3	4	139
	NANCY STREET	212	---	4	5	207
	LINDA ST. (SOUTH)	199	---	---	---	199
	LINDA ST. (NORTH)	134	---	1	1	133
	SUBTOTAL (72)	7 679	1 785	1 833	2 382	7 082
	CONTRACT GRAND TOTAL	23 392	4 375	13 362	17 370	10 397

Δ EXPANSION FACTOR = 1.30

* INCLUDES 645 m3 OF COMMON EXCAVATION FROM PIPE REMOVAL AT STA. 1+911 LT.

** INCLUDES 650 m3 OF EXPANDED FILL REQUIRED FOR FILLING DITCH AT STA. 4+831, 135 m RT.

CONCRETE DRIVEWAY, 150 mm

PROJECT	STATION	LOCATION	QTY. m2
4095-05-72	4+701	LEFT	17.2
	4+718	LEFT	10.6
	4+767	LEFT	21.1
	4+797	LEFT	19.6
	4+816	LEFT	20.5
	4+847	LEFT	14.5
	4+938	RIGHT	18.1
	4+958	RIGHT	27.7
	4+977	LEFT	22.0
	5+007	LEFT	22.3
	5+033	LEFT	22.3
	5+057	RIGHT	33.7
	5+060	LEFT	15.1
	5+088	LEFT	17.5
	5+112	RIGHT	31.9
	5+114	LEFT	30.7
	5+143	LEFT	15.4
	5+237	RIGHT	18.1
	5+282	LEFT	22.2
	15+027	NANCY ST (LT)	19.6
	15+027	NANCY ST (RT)	16.9
	CONTRACT GRAND TOTAL		437.0

SEALING PIPES

PROJECT	STATION	LOCATION	QTY. EACH
4095-05-72	5+251.5	5.4 m LEFT	1
		CONTRACT GRAND TOTAL	1

ABANDONING INLETS

PROJECT	STATION	LOCATION	QTY. EACH
4095-05-72	5+249.5	7 m LEFT	1
		CONTRACT GRAND TOTAL	1

CRUSHED AGGREGATE BASE COURSE AND WATER

PROJECT	STATION TO STATION	CABC ROADWAY (Mg)	CABC SHOULDERS (Mg)	Q.M.P.. BASE COURSE (Mg)	WATER (KL)
4095-05-71	0+902 - 1+910	4 790	392	5 182	220
	1+910 - 2+310	4 396	140	4 536	270
	2+310 - 4+638	12 765	961	13 726	575
	SHAWN COURT	51	---	51	2
	DEERING LANE	4	---	4	---
	CTH U	50	9	59	2
	LOCK ROAD	40	---	40	2
	PE'S	165	---	165	7
	SUBTOTAL (71)	22 261	1 502	23 763	1 078
4095-05-72	4+638 - 5+288	7 619	---	7 619	450
	VAN DYKE STREET	345	6	351	21
	NANCY STREET	288	---	288	17
	LINDA ST. (SOUTH)	292	---	292	17
	LINDA ST. (NORTH)	216	---	216	13
	PE'S	240	---	240	14
	SUBTOTAL (72)	9 000	6	9 006	532
	CONTRACT GRAND TOTAL	31 261	1 508	32 769	1 610

BREAKER RUN STONE

PROJECT	STATION TO STATION	QTY. Mg
4095-05-71	UNDISTRIBUTED	1 020
	SUBTOTAL (71)	1 020
4095-05-72	4+660 - 5+288	4 600
	SUBTOTAL (72)	4 600
	CONTRACT GRAND TOTAL	5 620

ASPHALTIC ITEMS

PROJECT	STATION TO STATION	ASPHALTIC CONCRETE PAVEMENT, TYPE MV (Mg)	ASPHALTIC MATERIAL FOR PLANT MIXES (Mg)	ASPHALTIC MATERIAL FOR TACK COAT (L)	QUALITY MANAGEMENT PROGRAM, ASPHALTIC MIXTURE (Mg)
4095-05-71	0+902 - 1+910	2 435	146.1	1 675	2 435
	1+910 - 2+310	944	56.6	390	944
	2+310 - 4+638	6 010	360.6	3 800	6 010
	CTH U	70	4.2	38	70
	PE'S	87	5.2	---	87
	SUBTOTAL (71)	9 546	572.7	5 903	9 546
4095-05-72	4+638 - 5+288	1 917	115.0	780	1 917
	VAN DYKE STREET	90	5.4	35	90
	NANCY STREET	73	4.4	30	73
	LINDA ST. (SOUTH)	70	4.2	29	70
	LINDA ST. (NORTH)	52	3.1	21	52
	PE'S	33	2.0	---	33
	SUBTOTAL (72)	2 235	134.1	895	2 235
	CONTRACT GRAND TOTAL	11 781	706.8	6 798	11 781

MISCELLANEOUS QUANTITIES

SCALE: NTS

HWY: STH 96

COUNTY: OUTAGAMIE/BROWN

STATE PROJECT NO: 4095-05-71(72)

SHEET NO: 3.A

M

NOTE: ALL ITEMS ON THIS PAGE ARE FOR ENGINEER ESTIMATE CATEGORY 0010 UNLESS OTHERWISE NOTED.

CULVERT PIPES

CROSS DRAINS

PROJECT	STATION	LOCATION	CULVERT PIPE DIAMETER			C.S.C.P. DIAMETER			R.C.C.P. THICKNESS CLASS	THICKNESS STEEL (mm)	THICKNESS ALUMINUM (mm)	APRON ENDWALLS FOR CULVERT PIPE			STEEL APRON ENDWALLS FOR CULVERT PIPE			SOD m2	SILT FENCE m△	MARKER POST FLEXIBLE, FOR CULVERT END EACH	REMARKS
			450 mm	600 mm	750 mm	600 mm	750 mm	900 mm				450 mm	600 mm	750 mm	600 mm	750 mm	900 mm				
			m	m	m	m	m	m				EACH	EACH	EACH	EACH	EACH	EACH				
4095-05-71	0+940	STH 96 LT	---	---	---	1.0	---	---	---	1.63	1.91	---	---	---	1	---	---	4.6	10	2✓	EXTEND 1 m LT
	1+911.6	STH 96 LT	---	---	---	---	4.0	---	---	2.01	1.91	---	---	---	1	---	5.3	10	1✓	EXTEND 4 m LT	
	1+911.6	STH 96 RT	---	---	---	---	5.0	---	---	2.01	1.91	---	---	---	1	---	---	10	1✓	EXTEND 5 m RT	
	2+344	STH 96 LT	---	---	---	---	---	1.0	---	2.01	2.67	---	---	---	---	1	6.0	10	2✓	EXTEND 1 m LT	
	3+523	STH 96 RT	---	---	---	---	1.0	---	---	2.01	1.91	---	---	---	1	---	---	10	1✓	EXTEND 1 m RT	
	3+553	STH 96 LT	---	---	---	---	1.0	---	---	2.01	1.91	---	---	---	1	---	5.3	10	1✓	EXTEND 1 m LT	
SIDEROADS, PRIVATE ENTRANCE AND FIELD ENTRANCE																					
	1+165	PE RT	18.0	---	---	---	---	---	III	1.63	1.52	2	---	---	---	---	7.6	---	---	---	
	1+825	PE RT	---	---	46.0	---	---	---	III	2.01	1.91	---	---	2	---	---	10.6	---	---	---	
	1+951	PE RT	11.0	---	---	---	---	---	III	1.63	1.52	2	---	---	---	---	7.6	---	---	---	
	2+229	PE RT	---	11.0	---	---	---	---	III	1.63	1.91	---	2	---	---	---	9.2	---	---	---	
	2+400	PE RT	---	12.0	---	---	---	---	III	1.63	1.91	---	2	---	---	---	9.2	---	---	---	
	2+433	PE RT	---	12.0	---	---	---	---	III	1.63	1.91	---	2	---	---	---	9.2	---	---	---	
	2+454	PE LT	---	12.0	---	---	---	---	III	1.63	1.91	---	2	---	---	---	9.2	---	---	---	
	3+008	PE RT	10.0	---	---	---	---	---	III	1.63	1.52	2	---	---	---	---	7.6	---	---	---	
	3+377	PE RT	15.0	---	---	---	---	---	III	1.63	1.52	2	---	---	---	---	7.6	---	---	---	
	3+449	PE LT	11.0	---	---	---	---	---	III	1.63	1.52	2	---	---	---	---	7.6	---	---	---	
	3+485	PE RT	---	14.0	---	---	---	---	III	1.63	1.91	---	2	---	---	---	9.2	---	---	---	
	3+608	PE LT	13.0	---	---	---	---	---	III	1.63	1.52	2	---	---	---	---	7.6	---	---	---	
	3+659	PE LT	13.0	---	---	---	---	---	III	1.63	1.52	2	---	---	---	---	7.6	---	---	---	
	3+716	PE LT	13.0	---	---	---	---	---	III	1.63	1.52	2	---	---	---	---	7.6	---	---	---	
	3+759	PE RT	10.0	---	---	---	---	---	III	1.63	1.52	2	---	---	---	---	7.6	---	---	---	
	3+784	PE LT	10.0	---	---	---	---	---	III	1.63	1.52	2	---	---	---	---	7.6	---	---	---	
	4+053	PE RT	13.0	---	---	---	---	---	III	1.63	1.52	2	---	---	---	---	7.6	---	---	---	
	4+080	PE LT	10.0	---	---	---	---	---	III	1.63	1.52	2	---	---	---	---	7.6	---	---	---	
	4+425	PE LT	10.0	---	---	---	---	---	III	1.63	1.52	2	---	---	---	---	7.6	---	---	---	
	24+986	SHAWN COURT	---	28.0	---	---	---	---	III	1.63	1.91	---	2	---	---	---	9.2	---	2✓	---	
CONTRACT GRAND TOTAL			157.0	89.0	46.0	1.0	11.0	1.0				26	12	2	1	4	1	185.8*	60 △*	10	

* TOTAL INCLUDED ELSEWHERE

Δ DELIVERED, INSTALLED AND MAINTAINED

CONCRETE CURB AND GUTTER

PROJECT	STATION TO STATION	LOCATION	TYPE D	TYPE D
			750 mm m	900 mm m
4095-05-71	4+120 - 4+218	RIGHT	---	98
	SHAWN COURT	LEFT & RIGHT	---	49
	CTH U	LEFT & RIGHT	---	49
	LOCK ROAD	LEFT & RIGHT	---	49
	SUBTOTAL (71)		0	245
4095-05-72	4+638 - 5+288	LEFT	571	---
	4+663 - 5+288	RIGHT	599	---
	VAN DYKE STREET	LEFT & RIGHT	54	---
	NANCY STREET	LEFT & RIGHT	62	---
	LINDA ST. (SOUTH)	LEFT & RIGHT	59	---
	LINDA ST. (NORTH)	LEFT & RIGHT	45	---
	SUBTOTAL (72)		1 390	---
	CONTRACT GRAND TOTAL		1 390	245

CONCRETE SIDEWALK, 100 mm

CATEGORY	PROJECT	STATION TO STATION	LOCATION	QTY.
				m2
0030	4095-05-72	4+660 - 5+288	LEFT	770
		4+657 - 5+288	RIGHT	848
		CONTRACT GRAND TOTAL		1 618

CALCIUM CHLORIDE SURFACE TREATMENT

PROJECT	STATION TO STATION	QTY.
		Mg
4095-05-72	4+638 - 5+288	7.4
	VAN DYKE STREET	0.3
	NANCY SYREET	0.3
	LINDA ST (SOUTH)	0.3
	LINDA ST (NORTH)	0.2
CONTRACT GRAND TOTAL		8.5

MARKER POSTS FOR RIGHT OF WAY

PROJECT	POINT NUMBER	STATION	LOCATION	QTY. EACH
4095-05-71	5	0+925.480	14.359 m LT	1
	6	0+941.857	20.343 m LT	1
	7	0+981.816	12.898 m LT	1
	18	1+339.942	13.562 m LT	1
	25	1+396.178	18.000 m RT	1
	19	1+435.270	21.698 m LT	1
	20	1+465.000	22.320 m LT	1
	21	1+465.000	12.259 m LT	1
	24	1+615.068	18.000 m RT	1
	43	3+180.000	14.076 m RT	1
	47	3+185.625	17.085 m LT	1
	42	3+190.000	15.172 m RT	1
	41	3+469.458	16.000 m RT	1
	49	3+536.450	16.000 m LT	1
	58	3+566.977	17.000 m RT	1
	57	3+786.225	17.000 m RT	1
	62	3+789.125	13.920 m LT	1
	56	3+795.850	22.263 m RT	1
	63	3+800.911	19.045 m LT	1
	81	3+815.753	22.639 m RT	1
	72	3+828.065	28.222 m LT	1
	80	3+836.539	12.361 m RT	1
	73	3+847.215	14.000 m LT	1
	74	3+885.751	14.000 m LT	1
	75	4+070.000	14.000 m LT	1
	76	4+080.000	11.287 m LT	1
	93	4+390.000	11.752 m LT	1
	94	4+390.000	14.000 m RT	1
	95	4+600.122	14.000 m RT	1
	96	4+624.644	14.000 m RT	1
SUBTOTAL (71)				30
4095-05-72	97	4+645.803	23.166 m LT	1
	88	4+663.551	21.334 m LT	1
	89	4+675.049	12.136 m LT	1
SUBTOTAL (72)				3
CONTRACT GRAND TOTAL				33

HEAVY RIPRAP

PROJECT	STATION TO STATION	LOCATION	QTY. m2
4095-05-71	1+890 - 1+910	LEFT	48
	1+912 - 1+951	LEFT	94
	1+912 - 1+951	RIGHT	94
	3+523	RIGHT	13
	3+536 - 3+553	LEFT	41
	4+050 - 4+085	LEFT	84
	4+050 - 4+065	RIGHT	36
SUBTOTAL (71)			410
4095-05-72	STORM SEWER OUTLET		314
SUBTOTAL (72)			314
CONTRACT GRAND TOTAL			724

GEOTEXTILE FABRIC, TYPE HR

PROJECT	STATION TO STATION	LOCATION	QTY. m2
4095-05-71	1+890 - 1+910	LEFT	110
	1+912 - 1+951	LEFT	209
	1+912 - 1+951	RIGHT	209
	3+523	RIGHT	34
	3+536 - 3+553	LEFT	95
	4+050 - 4+085	LEFT	188
	4+050 - 4+065	RIGHT	84
SUBTOTAL (71)			929
4095-05-72	STORM SEWER OUTLET		662
SUBTOTAL (72)			662
CONTRACT GRAND TOTAL			1 591

MISCELLANEOUS QUANTITIES

SCALE: NTS

HWY: STH 96

COUNTY: OUTAGAMIE/BROWN

STATE PROJECT NO: 4095-05-71(72)

SHEET NO: 3.B

M

(4095-05-00)
30-D to Dist 3
100-D to BARB

PLOT NAME: 1307. PLOT SCALE:

ORIGINATOR: THUNDER 21 00 01 00

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NOTES:

LOCATION OF STRUCTURES IN CURB AND GUTTER SECTIONS REFER TO FLANGE OF CURB.

LOCATIONS OF STRUCTURES NOT IN CURB AND GUTTER SECTIONS REFER TO THE CENTER OF THE STRUCTURE.

GRATE AND RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE OF THE INLET OR CATCH BASIN OR AT THE CENTERLINE OF MAN-HOLE COVERS.

DEPTHS OF MANHOLES AND INLETS ARE FROM THE TOP OF MASONRY TO THE LOWEST INVERT ELEVATION.

DEPTHS OF CATCH BASINS ARE FROM THE TOP OF MASONRY TO THE BOTTOM OF STRUCTURE.

CASTING ALLOWANCE OF 0.356m FOR MANHOLES, 0.279m FOR INLETS AND 0.330m FOR CATCH BASINS.

ADJUSTING MANHOLE COVERS

CATEGORY	PROJECT	STATION	LOCATION	QTY. EACH
0020	4095-05-72	10+018	1.4 m RT.	1
		4+654	7.4 m LT.	1
		4+688	4.2 m LT.	1
		4+809	4.4 m LT.	1
		5+181	5.0 m LT.	1
		5+284	3.0 m LT.	1
0010		5+251.7	5.2 m LT.	1
		5+271.6	4.9 m RT.	1
CONTRACT GRAND TOTAL				8

MISCELLANEOUS QUANTITIES	SCALE: NTS	HWY: STH 96	COUNTY: OUTAGAME/BROWN	STATE PROJECT NO: 4095-05-71(72)	SHEET NO: .	M
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INLETS, CATCH BASINS AND MANHOLES

PROJECT	CODE	STATION	LOCATION	CATCH BASIN	STRUCTURE TYPE					COVER TYPE				GRATE ELEVATION	DEPTH m	REMARKS
					INLET	MH	1	3	8	H	B	J	MS			
4095-05-71		1+911	21.80 m RT	--	1	--	--	--	1	--	--	--	1	203.600	1.881	
4095-05-72	I-1A	4+805.000	6.000 m LT	--	1	--	--	1	--	1	--	--	--	201.745	2.594	
	I-2A	4+805.000	6.000 m RT	--	1	--	--	1	--	1	--	--	--	201.745	2.594	
	MH-1A	4+805.000	0.000 m	--	--	1	--	--	--	--	1	--	--	201.901	2.856	
	I-1B	15+011.140	5.747 m RT	--	1	--	--	1	--	1	--	--	--	201.305	2.635	
	I-2B	15+013.830	4.888 m LT	--	1	--	--	1	--	1	--	--	--	201.350	2.753	
	I-3B	4+904.680	6.000 m LT	--	1	--	--	1	--	1	--	--	--	201.446	3.002	
	CB-1B	4+903.236	11.750 m LT	1	--	--	--	1	--	--	1	--	--	201.450	3.708	0.502 SLUMP
	MH-1B	4+899.140	0.000 m	--	--	1	1	--	--	--	1	--	--	201.619	3.217	
	I-1C	4+982.990	6.000 m LT	--	1	--	--	1	--	1	--	--	--	201.220	2.465	
	I-2C	4+980.000	6.000 m RT	--	1	--	--	1	--	1	--	--	--	201.220	2.465	
	MH-1C	4+980.000	0.000 m	--	--	1	--	1	--	--	1	--	--	201.376	2.690	
	MH-1D	4+857.622	0.000 m	--	--	1	--	1	--	--	1	--	--	201.747	3.615	
	MH-2D	30+060.00	0.000 m	--	--	1	--	1	--	--	1	--	--	201.075	3.416	
	MH-3D	30+123.585	0.000 m	--	--	1	--	1	--	--	1	--	--	200.550	3.370	
	EW-1D	30+174.872	0.000 m	--	--	--	--	--	--	--	--	--	--	200.500	-	1-750 mm RCCP ENDWALL REQD
	I-1E	20+014.520	4.889 m LT	--	1	--	--	1	--	1	--	--	--	201.076	2.735	
	I-2E	19+983.800	4.891 m LT	--	1	--	--	1	--	1	--	--	--	201.115	2.659	
	I-3E	5+192.080	8.996 m LT	--	1	--	--	1	--	1	--	--	--	201.054	2.765	
	I-4E	5+198.640	6.000 m RT	--	1	--	--	1	--	1	--	--	--	201.019	2.681	
	CB-1E	5+174.790	10.779 m LT	1	--	--	--	1	--	--	1	--	--	201.340	3.708	0.466 m SUMP
	CB-2E	5+163.590	11.249 m RT	1	--	--	--	1	--	--	1	--	--	201.100	3.266	0.466 m SUMP
	MH-1E	19+983.800	2.758 m LT	--	--	1	1	--	--	--	1	--	--	201.245	2.776	
	MH-2E	5+187.090	5.057 m LT	--	--	1	--	1	--	--	1	--	--	201.194	2.862	
	I-1F	5+278.420	6.000 m LT	--	1	--	--	1	--	1	--	--	--	200.351	2.482	
	I-2F	5+286.719	6.000 m RT	--	1	--	--	1	--	1	--	--	--	200.312	1.943	
	EXMH-1F	5+271.560	4.856 m LT	--	--	--	--	--	--	--	--	--	--	200.446	-	ADJUST FRAME/COVER
	EXMH-2F	5+281.251	11.428 m RT	--	--	--	--	--	--	--	--	--	--	200.670	-	

NOTES:

LOCATION OF STRUCTURES IN CURB AND GUTTER SECTIONS REFER TO FLANGE OF CURB.
LOCATIONS OF STRUCTURES NOT IN CURB AND GUTTER SECTIONS REFER TO THE CENTER OF THE STRUCTURE.
GRATE AND RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE OF THE INLET OR CATCH BASIN OR AT THE CENTERLINE OF MANHOLE COVERS.
DEPTHS OF MANHOLES AND INLETS ARE FROM THE TOP OF MASONRY TO THE LOWEST INVERT ELEVATION.
DEPTHS OF CATCH BASINS ARE FROM THE TOP OF MASONRY TO THE BOTTOM OF STRUCTURE.
CASTING ALLOWANCE OF 0.356m FOR MANHOLES, 0.279m FOR INLETS AND 0.330m FOR CATCH BASINS.

PIPE SUMMARY

PROJECT	CODE	FROM	TO	LENGTH					GRADE PERCENT	INVERT INLET	ELEVATION DISCHARGE	TYPE OF PIPE	CLASS	JOINT TIES* EACH	
				300 mm (m)	375 mm (m)	525 mm (m)	600 mm (m)	750 mm (m)							
4095-05-72	P-1A	I-1A	MH-1A	6.4	---	---	---	---	1.00	198.872	198.808	RCCP	III		
	P-2A	I-2A	MH-1A	6.4	---	---	---	---	1.00	198.872	198.808	RCCP	III		
	P-3A	MH-1A	MH-1D	---	52.6	---	---	---	0.65	198.689	198.333	RCCP	III		
	P-1B	I-1B	I-2B	11.9	---	---	---	---	0.50	198.395	198.330	RCCP	III		
	P-2B	I-2B	CB-1B	6.7	---	---	---	---	0.50	198.718	198.284	RCCP	III		
	P-3B	CB-1B	I-3B	7.0	---	---	---	---	0.50	198.244	198.211	RCCP	III		
	P-4B	I-3B	MH-1B	8.5	---	---	---	---	0.50	198.165	198.122	RCCP	III		
	P-5B	MH-1B	MH-1D	---	---	---	41.5	---	0.40	198.046	197.891	RCCP	III		
	P-1C	I-1C	MH-1C	---	7.1	---	---	---	0.30	198.476	198.436	RCCP	III		
	P-2C	I-2C	MH-1C	---	6.4	---	---	---	0.60	198.476	198.436	RCCP	III		
	P-3C	MH-1C	MH-1B	---	---	80.9	---	---	0.60	198.330	198.086	RCCP	III		
	P-1D	MH-1D	MH-2D	---	---	---	---	60.0	0.50	197.772	197.473	RCCP	III		
	P-2D	MH-2D	MH-3D	---	---	---	---	63.6	0.50	197.303	196.986	RCCP	III		
	P-3D	MH-3D	EW-1D	---	---	---	---	51.3	0.50	196.824	196.568	RCCP	III	6	
	P-1E	CB-1E	I-1E	6.2	---	---	---	---	0.50	198.098	198.068	RCCP	III		
	P-2E	I-1E	MH-2E	11.9	---	---	---	---	0.50	198.062	198.007	RCCP	III		
	P-3E	CB-2E	I-2E	16.2	---	---	---	---	0.50	198.284	198.190	RCCP	III		
	P-4E	I-2E	MH-1E	2.5	---	---	---	---	0.50	198.177	198.165	RCCP	III		
	P-5E	MH-1E	MH-2E	21.5	---	---	---	---	0.50	198.113	198.010	RCCP	III		
	P-6E	I-3E	MH-2E	6.8	---	---	---	---	0.50	198.010	197.976	RCCP	III		
	P-7E	I-4E	MH-2E	16.3	---	---	---	---	0.50	198.059	197.982	RCCP	III		
	P-1F	I-1F	EXMH-1F	7.0	---	---	---	---	0.50	197.513	197.476	RCCP	III		
	P-2F	I-2F	EXMH-2F	7.4	---	---	---	---	2.00	198.013	197.863	RCCP	III		
CONTACT GRAND TOTAL				142.7	66.1	80.9	41.5	174.9							* NON-BID ITEM

ADJUSTING MANHOLE COVERS

CATEGORY	PROJECT	STATION	LOCATION	QTY. EACH
0020	4095-05-72	10+018	1.4 m RT.	1
		4+654	7.4 m LT.	1
		4+688	4.2 m LT.	1
		4+809	4.4 m LT.	1
		5+181	5.0 m LT.	1
0010		5+284	3.0 m LT.	1
		5+251.7	5.2 m LT.	1
		5+271.6	4.2 m RT.	1
		CONTRACT GRAND TOTAL		

MISCELLANEOUS QUANTITIES

SCALE: NTS

HWY: STH 96

COUNTY: OUTAGAMIE/BROWN

STATE PROJECT NO: 4095-05-71(72)

SHEET NO: 3.0

M

NOTE: ALL ITEMS ON THIS PAGE ARE FOR ENGINEER ESTIMATE CATEGORY 0010 UNLESS OTHERWISE NOTED.
SALVAGED TOPSOIL, FERTILIZE, SEED AND MULCH

PROJECT	STATION TO STATION	SALVAGED TOPSOIL m2	PULVERIZED TOPSOIL m2	SEEDING MIX #20 kg	SEEDING MIX #40 kg	TEMPORARY SEEDING kg	FERTILIZER TYPE B kg	MULCHING m2	REMARKS
4095-05-71	0+902 - 1+910	13 990	---	210	---	---	490	13 990	PUL. TOPSOIL 3+600-3+800 LT.
	1+910 - 2+310	4 820	---	73	---	---	170	4 820	
	2+310 - 4+638	26 400	1 000	396	10	---	959	27 400	
	UNDISTRIBUTED	---	---	---	---	25	---	---	
	SUBTOTAL (71)	45 210	1 000	679	10	25	1 619	46 210	
4095-05-72	4+638 - 5+288	---	3 548	15	26	---	124	3 548	
	VAN DYKE STREET	---	65	---	1	---	3	65	
	NANCY STREET	---	100	---	1	---	4	100	
	LINDA STREET	---	65	---	1	---	3	65	
	STORM SEWER OULET	1 028	---	16	---	---	36	1 028	
	UNDISTRIBUTED	---	---	---	---	25	---	---	
SUBTOTAL (72)		1 028	3 778	31	29	25	170	4 806	
CONTRACT GRAND TOTAL		46 238	4 778	710	39	50	1 789	51 016	

EROSION BALES AND EROSION MAT

PROJECT	STATION TO STATION	LOCATION	EROSION BALES DELIVERED (EACH)	EROSION BALES INSTALLED (EACH)	EROSION MAT, DELIVERED CLASS I, TYPE B (m2)	EROSION MAT, INSTALLED CLASS I, TYPE B (m2)
4095-05-71	1+300	LEFT	13	13	6	6
	1+320	RIGHT	13	13	6	6
	1+341 - 1+494	RIGHT	---	---	551	551
	1+570	LEFT	13	13	6	6
	1+640	RIGHT	13	13	6	6
	1+740	LEFT	13	13	6	6
	2+150	LEFT	13	13	6	6
	2+316 - 2+380	LEFT	---	---	230	230
	2+340 - 2+375	RIGHT	---	---	126	126
	2+410	LEFT	13	13	6	6
	2+420	RIGHT	13	13	6	6
	2+520	LEFT	13	13	6	6
	3+070	RIGHT	13	13	6	6
	3+110	LEFT	13	13	6	6
	3+250	RIGHT	13	13	6	6
	3+290	LEFT	13	13	6	6
	3+430	RIGHT	13	13	6	6
	3+470	LEFT	13	13	6	6
	3+570	RIGHT	13	13	6	6
	3+580	LEFT	13	13	6	6
	3+970	LEFT	13	13	6	6
	3+980	RIGHT	13	13	6	6
	4+023 - 4+050	LEFT	---	---	97	97
	4+023 - 4+050	RIGHT	---	---	97	97
	4+065 - 4+085	LEFT	---	---	72	72
	4+100	LEFT	13	13	6	6
	4+440	RIGHT	13	13	6	6
	4+500	LEFT	13	13	6	6
	UNDISTRIBUTED		70	70	330	330
SUBTOTAL (71)			356	356	1 635	1 635
4095-05-72	UNDISTRIBUTED		50	50	75	75
	SUBTOTAL (72)		50	50	75	75
CONTRACT GRAND TOTAL			406	406	1 710	1 710

PAVEMENT MARKING, EPOXY

PROJECT	STATION TO STATION	LOCATION	TYPE	COLOR	100 mm (m)	CHANNELIZING 200 mm (m)	CURB RAMPS (m)
4095-05-71	0+902 - 3+797	LEFT	EDGE LINE	WHITE	2 895	---	---
	0+902 - 1+698	RIGHT	EDGE LINE	WHITE	796	---	---
	0+902 - 1+618	WB CENTERLINE	NO PASSING	YELLOW	716	---	---
	0+902 - 1+270	EB CENTERLINE	NO PASSING	YELLOW	368	---	---
	1+270 - 1+618	EB CENTERLINE	DASHED	YELLOW	87	---	---
	1+618 - 4+385	CENTERLINE	DASHED	YELLOW	691	---	---
	1+740 - 3+366	RIGHT	EDGE LINE	WHITE	2 046	---	---
	3+820 - 4+638	RIGHT	EDGE LINE	WHITE	818	---	---
	3+827 - 4+638	LEFT	EDGE LINE	WHITE	811	---	---
	3+836 - 3+897	LEFT	CHANNELIZING	WHITE	---	61	---
	4+385 - 4+580	WB CENTERLINE	DASHED	YELLOW	49	---	---
	4+385 - 4+580	EB CENTERLINE	NO PASSING	YELLOW	195	---	---
	4+580 - 4+638	CENTERLINE	DASHED	YELLOW	15	---	---
	CTH U	CENTERLINE	DASHED	YELLOW	8	---	---
SUBTOTAL (71)					9 495	61	---
4095-05-72	4+638 - 5+288	CENTERLINE	DASHED	YELLOW	165	---	---
	VAN DYKE STREET	CENTERLINE	DASHED	YELLOW	6	---	10
	NANCY STREET	CENTERLINE	DASHED	YELLOW	7	---	10
	LINDA STREET	CENTERLINE	DASHED	YELLOW	11	---	20
	SUBTOTAL (72)				189	---	40
CONTRACT GRAND TOTAL					9 684	61	40

SODDING AND WATERING SODDED AREAS

PROJECT	STATION TO STATION	LOCATION	SOD (m2)	WATERING SODDED AREAS (KL)
4095-05-71	0+940 - 0+975	LEFT	6.5	0.3
	0+940 - 0+975	RIGHT	6.5	0.3
	1+737 - 1+912	RIGHT	19.0	1.0
	1+740 - 1+890	LEFT	13.0	0.8
	1+911	RIGHT	11.3	0.6
	3+627 - 3+658	LEFT	6.5	0.3
	3+835	LEFT	6.0	0.3
	4+065 - 4+084	RIGHT	6.5	0.3
	4+120	RIGHT	6.0	0.3
	4+452 - 4+565	RIGHT	6.5	0.3
	34+974	LOCK ROAD LEFT	6.0	0.3
	34+980	LOCK ROAD RIGHT	6.0	0.3
	35+019	C.T.H. U LEFT	6.0	0.3
	CULVERT PIPES		185.8	9.3
	UNDISTRIBUTED		26.1	1.3
SUBTOTAL (71)			317.8	16.0
4095-05-72	4+908	LEFT	11.3	0.6
	5+160	RIGHT	11.3	0.6
	5+172	LEFT	11.3	0.6
	STORM SEWER OULET	RIGHT	145.0	7.3
	9+986	VAN DYKE STREET LEFT	6.0	0.3
	9+986	VAN DYKE STREET RIGHT	6.0	0.3
	10+017	VAN DYKE STREET RIGHT	6.0	0.3
	10+017	VAN DYKE STREET LEFT	6.0	0.3
	UNDISTRIBUTED		50.1	2.5
	SUBTOTAL (72)		253.0	12.8
CONTRACT GRAND TOTAL			570.8	28.8

LOCATING NO-PASSING ZONES

PROJECT	STATION TO STATION	QTY. km
4095-05-71	0+902 - 1+400	0.5
CONTRACT GRAND TOTAL		0.5

INLET PROTECTION

PROJECT	STATION	LOCATION	TYPE A EACH	TYPE B EACH	TYPE C EACH
4095-05-71	1+911	RIGHT	1	---	---
	SUBTOTAL (71)		1	---	---
4095-05-72	4+805.00	LEFT	---	---	1
	4+805.00	RIGHT	---	---	1
	4+904.68	LEFT	---	---	1
	4+909.24	LEFT	---	1	---
	4+980.00	RIGHT	---	---	1
	4+982.99	LEFT	---	---	1
	5+163.59	RIGHT	---	1	---
	5+174.79	LEFT	---	1	---
	5+192.08	LEFT	---	---	1
	5+198.64	RIGHT	---	---	1
	5+278.42	LEFT	---	---	1
	5+286.72	RIGHT	---	---	1
	15+011.14	NANCY ST. RIGHT	---	---	1
	15+013.83	NANCY ST. LEFT	---	---	1
	19+983.80	LINDA ST. LEFT	---	---	1
	20+014.52	LINDA ST. LEFT	---	---	1
SUBTOTAL (72)			---	3	13
CONTRACT GRAND TOTAL			1	3	13

MISCELLANEOUS QUANTITIES

SCALE: NTS

HWY: STH 96

COUNTY: OUTAGAMIE/BROWN

STATE PROJECT NO: 4095-05-71(72)

SHEET NO: 3.D

M

NOTE: ALL ITEMS ON THIS PAGE ARE FOR ENGINEER ESTIMATE CATEGORY 0010 UNLESS OTHERWISE NOTED.

SILT FENCE

PROJECT	STATION TO STATION	LOCATION	DELIVERED m	INSTALLED m	MAINTENANCE m
4095-05-71	0+940	LEFT & RIGHT	10	10	10
	1+911.6	LEFT & RIGHT	10	10	10
	2+344	LEFT & RIGHT	10	10	10
	3+523	RIGHT	5	5	5
	3+553	LEFT	5	5	5
	4+030 - 4+080	LEFT	50	50	50
	CULVERT PIPES		60	60	60
	UNDISTRIBUTED		22	22	22
	SUBTOTAL (71)		172	172	172
4095-05-72	UNDISTRIBUTED		30	30	30
	SUBTOTAL (72)		30	30	30
	CONTACT GRAND TOTAL		202	202	202

SAWING EXISTING PAVEMENT

PROJECT	LOCATION	QTY. m
4095-05-71	0+902	7.4
	0+902 - 1+065	163.0
	1+910	7.1
	2+310	7.1
	4+541.52	6.9
	35+014 C.T.H. U	12.0
	1+950 PE RT.	4.2
	2+273 PE LT.	3.5
	SUBTOTAL (71)	204.3
4095-05-72	5+288	12.2
	10+030.5 NANCY ST.	5.7
	15+033 NANCY ST.	9.8
	19+968 LINDA ST	9.8
	20+024.5 LINDA ST	9.8
	4+701 PE LT.	5.5
	4+718 PE LT.	3.3
	4+767 PE LT.	6.8
	4+797 PE LT.	3.6
	SUBTOTAL (72)	69.2
CONTACT GRAND TOTAL		273.5

SAWING CONCRETE PAVEMENT, FULL DEPTH

PROJECT	LOCATION	QTY. m
4095-05-72	5+143 PE LEFT	4.9
	5+282 PE LEFT	4.9
CONTRACT GRAND TOTAL		9.8

GRADING, SHAPING, AND FINISHING FOR INTERSECTIONS

(FOR INFORMATION ONLY)

PROJECT	LOCATION	LUMP SUM	UNCLASSIFIED EXCAVATION m3	BORROW EXCAVATION m3	SALVAGED TOPSOIL m2	SEEDING MIX #20 kg	SEEDING MIX #40 kg	FERTILIZER TYPE B kg	MULCHING m2
4095-05-71	SHAWN COURT	1	70	50	360	5.4	---	12.6	360
	LOCK ROAD	1	65	45	210	3.2	---	7.4	210
	CTH U	1	65	75	300	---	3.0	10.5	300
CONTACT GRAND TOTAL			3	200	170	8.6	3.0	30.5	870

CONSTRUCTION STAKING

PROJECT	STATION TO STATION	INITIAL LAYOUT (m)	SUBGRADE (m)	CRUSHED AGGREGATE BASE COURSE (m)
4095-05-71	0+902 - 1+910	1 008	1 008	1 008
	1+910 - 2+310	400	400	400
	2+310 - 4+638	2 328	2 328	2 328
	C.T.H. U	32	32	32
	LOCK ROAD	32	32	32
	SUBTOTAL (71)	3 800	3 800	3 800
4095-05-72	4+638 - 5+288	650	650	650
	VAN DYKE STREET	33	33	33
	NANCY STREET	27	27	27
	LINDA STREET	45	45	45
	SUBTOTAL (72)	755	755	755
CONTRACT GRAND TOTAL		4 555	4 555	4 555

**CONSTRUCTION STAKING,
CURB, GUTTER, CURB AND GUTTER**

PROJECT	STATION TO STATION	LOCATION	QTY. m
4095-05-71	4+120 - 4+218	RIGHT	98
	SHAWN COURT	LEFT & RIGHT	49
	CTH U	LEFT & RIGHT	49
	LOCK ROAD	LEFT & RIGHT	49
	SUBTOTAL (71)		245
4095-05-72	4+638 - 5+288	LEFT	571
	4+663 - 5+288	RIGHT	599
	VAN DYKE STREET	LEFT & RIGHT	54
	NANCY STREET	LEFT & RIGHT	62
	LINDA ST. (SOUTH)	LEFT & RIGHT	59
	LINDA ST. (NORTH)	LEFT & RIGHT	45
	SUBTOTAL (72)		1 390
CONTRACT GRAND TOTAL			1 635

CONSTRUCTION STAKING, STORM SEWER SYSTEM

PROJECT	STATION	LOCATION	QTY. EACH
4095-05-72	4+805.000	6.000 m LEFT	1
	4+805.000	6.000 m LEFT	1
	4+805.000	0.000 m	1
	15+011.140	5.747 m RIGHT	1
	15+013.830	4.888 m LEFT	1
	4+904.680	6.000 m LEFT	1
	4+909.236	11.750 m LEFT	1
	4+899.140	0.000 m	1
	4+982.990	6.000 m LEFT	1
	4+980.000	6.000 m RIGHT	1
	4+980.000	0.000 m	1
	4+856.170	0.000 m	1
	30+060.000	0.000 m	1
	30+123.585	0.000 m	1
	30+174.872	0.000 m	1
	20+014.520	4.889 m LEFT	1
	19+983.800	4.891 m RIGHT	1
	5+192.080	8.996 m LEFT	1
	5+198.640	6.000 m RIGHT	1
	5+174.790	10.779 m LEFT	1
	5+163.590	11.249 m RIGHT	1
	19+983.800	2.758 m LEFT	1
	5+187.090	5.057 m LEFT	1
	5+578.420	6.000 m LEFT	1
	5+286.719	6.000 m RIGHT	1
CONTACT GRAND TOTAL			25

MISCELLANEOUS QUANTITIES

SCALE: NTS

HWY: STH 96

COUNTY: OUTAGAMIE/BROWN

STATE PROJECT NO: 4095-05-71(72)

SHEET NO: 3.E