

HIGHWAY QUANTITIES



ITEM 203.02 (CY)	
UNCLASSIFIED EXCAVATION AND DISPOSAL	
	VOLUME (CY)
From ess sheet:	631
Added for unanticipated field conditions:	
SAY:	631

NOTES:

Volume linked to earthwork summary sheets and inputs automatically

[STANDARD SHEETS FOR 203](#)

APPLICABLE DRAWINGS: S53076_CPB_EW-01.dgn, S53076_CPB_EW-02.dgn

PREPARED BY: GK

CHECKED BY: AJ



ITEM 203.03 (CY) EMBANKMENT IN PLACE	
	VOLUME (CY)
From ess sheet:	621
Added for unanticipated field conditions:	
SAY:	621

NOTE: Volume linked to earthwork summary sheets and inputs automatically

APPLICABLE DRAWINGS: S53076_CPB_EW-01.dgn, S53076_CPB_EW-02.dgn

STANDARD SHEETS FOR 203

PREPARED BY: GK

CHECKED BY: AJ



ITEM 203.24000025 (TON)							
SHOULDER BACK-UP MATERIAL							
FROM STATION	TO STATION	SIDE	LENGTH (FT)	WIDTH (FT)	DEPTH (IN)	VOLUME (CY)	VOLUME (TON)
NM 7+70.00	NM 9+92.00	LT	217.43	2.25	9	6.8	9.2
NM 7+71.00	NM 9+93.00	RT	217.43	2.25	9	6.8	9.2
NM 12+23.11	NM 14+80.00	RT	241.87	2.25	9	7.6	10.2
NM 12+23.11	NM 14+80.00	LT	241.87	2.25	9	7.6	10.2
TOTAL:							38.8

Added for unanticipated field conditions:	1.9
SAY:	41

CY * 1.35 = TONS OF GRAVEL

NOTE:

AREAS AR 8E TAKEN FROM CROSS SECTIONS

AS PER ITEM 203.24010017 - SHOULDER BACKUP MATERIAL SPEC - "UNLESS OTHER CONVERSION FACTORS ARE INDICATED IN THE CONTRACT DOCUMENTS, THE CONVERSION FACTOR WILL BE 0.05 TONS PER CUBIC FOOT, LOOSE MEASURE."

APPLICABLE DRAWINGS: S53076_CPB_TS-01.dgn

[STANDARD SHEETS FOR 203](#)
[SPECIAL SPECIFICATION PAGE](#)

PREPARED BY: EA

CHECKED BY: GK



ITEM 206.05 (EA)						
TEST PIT EXCAVATION						
TEST HOLE NUMBER	STATION	OFFSET	SIDE	ACTUAL SIZE, MATERIAL, TYPE OF UTILITY	DRAINAGE ELEMENT IN CONFLICT	QTY. (EA)
	NM 10+00			Buried F/O	Bridge Abut	2
	NM 12+50			Buried UG	Embankment	2
TOTAL:						4

Added for unanticipated field conditions:	
SAY:	4

APPLICABLE DRAWINGS: STRUCTURAL DRAWINGS

PREPARED BY: GK

CHECKED BY: AJ



ITEM 209.1003 (SY)							
SEED AND MULCH TEMPORARY							
FROM STATION	TO STATION	OFFSET	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	AREA (SY)
NE QUADRANT						6998.99	777.67
NW QUADRANT						3860.77	428.97
SE QUADRANT						5855.41	650.60
SW QUADRANT						4362.48	484.72
PIER							275.00
TOTAL:							2616.96

Added for unanticipated field conditions:	131
SAY:	2,750

[STANDARD SHEETS FOR 209](#)

APPLICABLE DRAWINGS: EC-2, EC-3

PREPARED BY: GK

CHECKED BY: AJ



ITEM 209.190301 (SY)					
ROLLED EROSION CONTROL PRODUCT, CLASS II TYPE C, INTERMEDIATE					
FROM STATION	TO STATION	DITCH LENGTH (FT)	AVG. WIDTH (FT)	AREA (SF)	AREA (SY)
NE QUADRANT				6,998.99	777.67
NW QUADRANT				3,860.77	428.97
SE QUADRANT				5,855.41	650.60
SW QUADRANT				4,362.48	484.72
PIER					275.00
TOTAL:					2,616.96

Added for unanticipated field conditions:	131
SAY:	2,750

[STANDARD SHEETS FOR 209](#)

APPLICABLE DRAWINGS: EC-2, EC-3

PREPARED BY: GK

CHECKED BY: AJ



ITEM 209.22 (SY)						
CONSTRUCTION ENTRANCE						
FROM STATION	TO STATION	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	AREA (SY)
BEGIN SIDE OF N MAIN STRUCT			50.00	24.00	1,200.00	133.3
END SIDE OF N MAIN STRUCT			50.00	24.00	1,200.00	133.3
TOTAL:						266.7

Added for unanticipated field conditions:	14.0
SAY:	285

[STANDARD SHEETS FOR 209](#)

PREPARED BY: AJN

CHECKED BY: LJS



ITEM 209.2301 (LF)				
SEDIMENT FILTER LOG-TEMPORARY,12"				
FROM STATION	TO STATION	COMMENT	SIDE	LENGTH (FT)
		NE QUADRANT		576.00
		NW QUADRANT		554.00
		SE QUADRANT		529.00
		SW QUADRANT		542.00
TOTAL:				2,201.00

Added for unanticipated field conditions:	111
SAY:	2,315

[STANDARD SHEETS FOR 209](#)

APPLICABLE DRAWINGS: EC-2, EC-3

PREPARED BY: GK

CHECKED BY: AJ



ITEM 304.12 (CY)
SUBBASE COURSE, TYPE 2

ROADWAY						
DESCRIPTION	FROM STATION	TO STATION		AREA (SF)	DEPTH (FT)	VOLUME (CY)
	NM 7+50	NM 9+75		8682.16	1.00	321.56
	NM 12+24	NM 14+80		10536.01	1.00	390.22
						0.00
						0.00
						0.00
ROADWAY:						711.78

BENEATH AND BEHIND CURB					
DESCRIPTION	FROM STATION	TO STATION	AREA (SF)	DEPTH (IN)	VOLUME (CY)
					0.00
BENEATH AND BEHIND CURB:					0.00



BENEATH SIDEWALKS AND RAMPS					
DESCRIPTION	STATION	SIDE	AREA (SF)	DEPTH (IN)	VOLUME (CY)
					0.00
					0.00
BENEATH SIDEWALKS AND RAMPS:					0.00

ROADWAY:	711.78
BENEATH AND BEHIND CURB:	0.00
BENEATH SIDEWALKS AND RAMPS:	0.00
TOTAL:	711.78

Added for unanticipated field conditions:	
SAY:	712

NOTES:

APPLICABLE DRAWINGS: S53076_CPB_TS-01.dgn, S53076_CPB_PL-01.dgn, S53076_CPB_PL-02.dgn

PREPARED BY: EA

CHECKED BY: AJ



ITEMS 404.0982 (TON)						
9.5 F2 TOP COURSE ASPHALT, 80 SERIES COMPACTION						
DESCRIPTION	FROM STATION	TO STATION	AREA (SF)	DEPTH (IN)	CY	TONS
	NM 7+50	NM 9+75	8682.16	2	53.59	109.00
	NM 12+24	NM 14+80	9895.91	2	61.09	124.00
						233.00

Added for unanticipated field conditions:	
SAY:	233

CY / 0.4938 = TONS

NOTES:

**QUALITY ADJUSTMENT FACTORS (QAF) ARE BASED ON THE COMPACTION SERIES TABLES 402-9 IN:
STANDARD SHEET 404**

APPLICABLE DRAWINGS: S53076_CPB_TS-01.dgn, S53076_CPB_PL-01.dgn, S53076_CPB_PL-02.dgn

PREPARED BY: EA

CHECKED BY: AJ



ITEMS 404.1989 (TON)						
19 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION						
DESCRIPTION	FROM STATION	TO STATION	AREA (SF)	DEPTH (IN)	CY	TONS
	NM 7+50	NM 9+75	8872.83	3	82.16	167.00
	NM 12+24	NM 14+80	10106.20	3	93.58	190.00
TOTAL:						357.00

Added for unanticipated field conditions:	
SAY:	357

CY / 0.4938 = TONS

NOTES:

QUALITY ADJUSTMENT FACTORS (QAF) ARE BASED ON THE COMPACTION SERIES TABLES 402-9 IN:
[STANDARD SHEET 404](#)

APPLICABLE DRAWINGS: S53076_CPB_TS-01.dgn, S53076_CPB_PL-01.dgn, S53076_CPB_PL-02.dgn

PREPARED BY: EA

CHECKED BY: AJ



ITEMS 404.3789 (TON)						
37.5 F9 BASE COURSE ASPHALT, 80 SERIES COMPACTION						
DESCRIPTION	FROM STATION	TO STATION	AREA (SF)	DEPTH (IN)	CY	TONS
FULL DEPTH	NM 7+50	NM 9+75	8968.77	4	110.73	225.00
FULL DEPTH	NM 12+24	NM 14+80	10212.43	4	126.08	256.00
TOTAL:						481.00

Added for unanticipated field conditions:	
SAY:	481

CY / 0.4938 = TONS

NOTES:

QUALITY ADJUSTMENT FACTORS (QAF) ARE BASED ON THE COMPACTION SERIES TABLES 402-9 IN:
[STANDARD SHEET 404](#)

APPLICABLE DRAWINGS: S53076_CPB_TS-01.dgn, S53076_CPB_PL-01.dgn, S53076_CPB_PL-02.dgn

PREPARED BY: EA

CHECKED BY: AJ



ITEM 407.0103 (GAL) STRAIGHT TACK COAT							
FROM STATION	TO STATION	LENGTH (FT)	WIDTH (FT)	AREA (SY)	# OF LAYERS	RATE	GALS
NM 7+50	NM 9+75			996.53	2.00	0.04	79.72
NM 12+24	NM 14+80			1134.71	2.00	0.04	90.78
TOTAL:							170.50

Added for unanticipated field conditions:	20
SAY:	200

APPLICABLE DRAWINGS: S53076_CPB_TS-01.dgn, S53076_CPB_PL-01.dgn, S53076_CPB_PL-02.dgn

PREPARED BY: EA

CHECKED BY: AJ



ITEM 418.7603 (LF)				
ASPHALT PAVEMENT JOINT ADHESIVE				
PLAN SHEET	COMMENTS	FROM STATION	TO STATION	LENGTH (FT)
	LT	NM 7+62	NM 9+75	213.00
	RT	NM 7+62	NM 9+75	213.00
	CL	NM 7+50	NM 9+75	225.00
	CL	NM 12+24	NM 14+80	256.00
	RT	NM 12+24	NM 14+68	244.00
	LT	NM 12+24	NM 14+68	244.00
	BEGIN APPROACH SLAB			40.00
	BEGIN APPROACH SLAB			40.00
	BEGINNING OF RECONSTRUCTION			56.00
	END OF RECONSTRUCTION			56.00
TOTAL:				1,587.00

Added for unanticipated field conditions:	
SAY:	1587

APPLICABLE DRAWINGS: S53076_CPB_TS-01.dgn, S53076_CPB_PL-01.dgn, S53076_CPB_PL-02.dgn

STANDARD SHEETS FOR 502

PREPARED BY: EA

CHECKED BY: AJ



ITEM 606.10 (LF) BOX BEAM GUIDE RAILING				
FROM STATION	TO STATION	SIDE	COMMENTS	LENGTH (FT)
NM 7+48	NM 9+61	LT		213.00
NM 7+56	NM 9+54	RT		198.00
NM 12+45	NM 14+44	LT		199.00
NM 12+38	NM 14+37	RT		199.00
TOTAL:				809.00

Added for unanticipated field conditions:	
SAY:	809

APPLICABLE DRAWINGS: S53076_CPB_PL-01.dgn, S53076_CPB_PL-02.dgn

STANDARD SHEETS FOR ITEM 606

PREPARED BY: AJ

CHECKED BY: GK



ITEM 606.120101 (EA)			
BOX BEAM END PIECE			
STATION	SIDE	COMMENTS	QTY. (EA)
ML 482+19	RT	EASTBOUND RT SHLDR	1
ML 482+91	LT	WESTBOUND RT SHLDR	1
TOTAL:			2

Added for unanticipated field conditions:	
SAY:	2

APPLICABLE DRAWINGS: S53076_CPB_PL-03.dgn

STANDARD SHEETS FOR 606

PREPARED BY: AJ

CHECKED BY: GK



ITEM 606.2701 (LF)				
HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING				
FROM STATION	TO STATION	SIDE	COMMENTS	LENGTH (FT)
ML 478+20	ML 485+45	LT	WESTBOUND LT SHLDR (MED)	726.00
ML 478+20	ML 485+45	RT	EASTBOUND LT SHLDR (MED)	726.00
				0.00
TOTAL:				1,452.00

Added for unanticipated field conditions:	
SAY:	1,452

APPLICABLE DRAWINGS: S53076_CPB_PL-03.dgn

STANDARD SHEETS FOR 606

PREPARED BY: AJ

CHECKED BY: GK



ITEM 606.2801 (LF)				
HPBO (MOD.) CORRUGATED BEAM MEDIAN BARRIER				
FROM STATION	TO STATION	SIDE	COMMENTS	LENGTH (FT)
ML 477+95	ML 478+20	LT		25.00
				0.00
TOTAL:				25.00

Added for unanticipated field conditions:	
SAY:	25

APPLICABLE DRAWINGS: S53076_CPB_PL-03.dgn

STANDARD SHEETS FOR 606

PREPARED BY: AJ

CHECKED BY: GK



ITEM 606.72 (LF)					
REMOVING AND DISPOSING CORRUGATED BEAM MEDIAN BARRIER					
PLAN SHEET	FROM STATION	TO STATION	SIDE	COMMENTS	LENGTH (FT)
PL-2	ML 481+83	ML 485+45	LT		412.00
PL-2	ML 478+20	ML 483+33	RT		514.00
TOTAL:					926.00

Added for unanticipated field conditions:	
SAY:	926

APPLICABLE DRAWINGS: S53076_CPB_PL-03.dgn

[STANDARD SHEETS FOR 606](#)

PREPARED BY: AJ

CHECKED BY: GK



ITEM 606.73 (LF)					
REMOVING AND DISPOSING BOX BEAM GUIDE RAILING					
PLAN SHEET	FROM STATION	TO STATION	SIDE	COMMENTS	LENGTH (FT)
PE-1	NM 7+78	NM 9+66	RT		188.00
PE-1	NM 7+96	NM 9+72	LT		176.00
PE-1	NM 12+25	NM 14+51	RT		226.00
PE-1	NM 12+33	NM 14+47	LT		214.00
PE-1	ML 481+98	ML 482+50	RT	TRANS TO CONC HALF SECT	52.00
PE-1	ML 482+67	ML 483+19	LT	"	52.00
TOTAL:					908.00

Added for unanticipated field conditions:	
SAY:	908

APPLICABLE DRAWINGS: S53076_CPB_PE-01.dgn

STANDARD SHEETS FOR 606

PREPARED BY: AJ

CHECKED BY: GK



ITEM 606.7510 (LF)					
REMOVING AND DISPOSING CONCRETE BARRIER - HALF SECTION					
PLAN SHEET	FROM STATION	TO STATION	SIDE	COMMENTS	LENGTH (FT)
PE-1	ML 481+99	ML 482+89	RT	PIER PROTECTION	90.00
PE-1	ML 482+22	ML 483+12	LT	"	90.00
TOTAL:					180.00

Added for unanticipated field conditions:	
SAY:	180

APPLICABLE DRAWINGS: S53076_CPB_PL-03.dgn

STANDARD SHEETS FOR 606

PREPARED BY: AJ

CHECKED BY: GK



ITEM 606.79 (EA)			
REMOVING AND DISPOSING ANCHORAGE UNITS FOR CABLE GUIDERAILING			
STATION	SIDE	COMMENTS	QTY. (EA)
NM 9+55	LT		1
NM 9+56	RT		1
NM 12+75	LT		1
NM 12+86	RT		1
TOTAL:			4

Added for unanticipated field conditions:	
SAY:	4

APPLICABLE DRAWINGS: S53076_CPB_PE-01.dgn

STANDARD SHEETS FOR 606

PREPARED BY: AJ

CHECKED BY: GK



ITEM 606.7910 (EA)			
REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAMGUIDE RAILING AND MEDIAN BARRIER			
STATION	SIDE	COMMENTS	QTY. (EA)
ML 481+83	LT	WESTBOUND LT SHLDR (MED)	1
ML 483+33	RT	EASTBOUND LT SHLDR (MED)	1
TOTAL:			2

Added for unanticipated field conditions:	
SAY:	2

APPLICABLE DRAWINGS: [S53076_CPB_PL-03.dgn](#)

[STANDARD SHEETS FOR 606](#)

PREPARED BY: AJ

CHECKED BY: GK



ITEM 606.83 (EA)			
Guide Rail Transition Box Beam to 3-Cable (One or Two-Way)			
STATION	SIDE	COMMENTS	QTY. (EA)
NM 5+38	LT	200' IN LENGTH, INCL ANCHOR	1
NM 5+46	RT	"	1
NM 14+44	LT	"	1
NM 14+37	RT	"	1
TOTAL:			4

Added for unanticipated field conditions:	
SAY:	4

APPLICABLE DRAWINGS: S53076_CPB_PL-01.dgn, S53076_CPB_PL-02.dgn

STANDARD SHEETS FOR 606

PREPARED BY: AJ

CHECKED BY: GK



ITEM 606.8905 (EA)			
TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED BEAMMEDIAN BARRIER TO WEAK POST CORRUGATED BEAM MEDIAN BARRIER			
STATION	SIDE	COMMENTS	QTY. (EA)
ML 485+45	MED	50' LENGTH	1
TOTAL:			1

Added for unanticipated field conditions:	
SAY:	1

APPLICABLE DRAWINGS: S53076_CPB_PL-03.dgn

STANDARD SHEETS FOR 606

PREPARED BY: AJ

CHECKED BY: GK



ITEM 610.1605 (SY)								
TURF ESTABLISHMENT - PERFORMANCE								
PLAN SHEET	FROM STATION	TO STATION	SIDE	COMMENTS	LENGTH (FT)	WIDTH (FT)	MULTIPLIER	AREA (SY)
				NE QUADRANT			1.12	870.98
				NW QUADRANT			1.12	480.45
				SE QUADRANT			1.12	728.67
				SW QUADRANT			1.12	542.89
TOTAL:								2,623.00

Added for unanticipated field conditions:		132
SAY:		2,755

* = "The length and steepness of slopes can make a significant difference in area calculations. Designer should be aware of this and adjust areas accordingly. See the below list of percentages that would need to be multiplied to the plan view area in MicroStation for the different slopes."

1:2 slopes	Multiplier:	1.12
1:3 slopes	Multiplier:	1.05
1:4 slopes	Multiplier:	1.03
1:5 slopes	Multiplier:	1.02
1:6 slopes	Multiplier:	1.014
Flatter	Multiplier:	1.01

APPLICABLE DRAWINGS: EC-2, EC-3

PREPARED BY: GK

CHECKED BY: AJ



ITEM 619.04 (EA)			
TYPE III CONSTRUCTION BARRICADES			
STATION	SIDE	WZTC COMMENTS	QTY. (EA)
		SOUTH SIDE OF BRIDGE - CLOSURE	10
			6
		NORTH SIDE OF BRIDGE - CLOSURE	6
			10
		NY-46 & NY-31 INTERSECTION	1
		NY-46 & NY-365A INTERSECTION	1
TOTAL:			34

Added for unanticipated field conditions:	
SAY:	34

APPLICABLE DRAWINGS: S53076_CPB_TC-02.dgn, S53076_CPB_TC-03.dgn, S53076_CPB_TC-04.dgn

STANDARD SHEETS FOR 619

PREPARED BY: AJ

CHECKED BY: GK



ITEM 619.110513

North Main St. (NY 46) over NYS Thruway I-90

PIN S53076, D215056

619.110513 (EA)		
PORTABLE VARIABLE MESSAGE SIGN		
STATION	COMMENTS	QTY. (EA)
	MAINLINE	2
	N. MAIN DETOUR	7
TOTAL:		9

619.1105XX (CW)		
PORTABLE VARIABLE MESSAGE SIGN		
STATION	COMMENTS	QTY. (EA)
TOTAL:		0

Added for unanticipated field conditions:	
SAY:	9

APPLICABLE DRAWINGS: S53076_CPB_TC-01.dgn



ITEM 619.17060025 (LF) LINEAR DELINEATION SYSTEM			
FROM STATION	TO STATION	COMMENTS	LENGTH (FT)
		EB - MEDIAN (LEFT) SHOULDER CLOSURE	200.00
		WB - MEDIAN (LEFT) SHOULDER CLOSURE	200.00
		EB - RIGHT SHOULDER CLOSURE	210.00
		WB - RIGHT SHOULDER CLOSURE	210.00
TOTAL:			820.00

Added for unanticipated field conditions:	
SAY:	820

APPLICABLE DRAWINGS: S53076_CPB_TC-05.dgn, S53076_CPB_TC-07.dgn

STANDARD SHEETS FOR 619

PREPARED BY: AJ

CHECKED BY: GK



ITEM 619.1711 (LF)			
TEMPORARY CONCRETE BARRIER, CATEGORY 1			
FROM STATION	TO STATION	COMMENTS	LENGTH (FT)
		SOUTH SIDE OF BRIDGE - CLOSURE	40.00
		NORTH SIDE OF BRIDGE - CLOSURE	40.00
TOTAL:			80.00

Added for unanticipated field conditions:	
SAY:	80

APPLICABLE DRAWINGS: S53076_CPB_TC-03.dgn

STANDARD SHEETS FOR 619

PREPARED BY: AJ

CHECKED BY: GK



ITEM 619.1713 (LF)			
TEMPORARY CONCRETE BARRIER, CATEGORY 3			
FROM STATION	TO STATION	COMMENTS	LENGTH (FT)
		EB - MEDIAN (LEFT) SHOULDER CLOSURE	410.00
		WB - MEDIAN (LEFT) SHOULDER CLOSURE	340.00
		EB - RIGHT SHOULDER CLOSURE	400.00
		WB - RIGHT SHOULDER CLOSURE	390.00
TOTAL:			1,540.00

Added for unanticipated field conditions:	
SAY:	1,540

APPLICABLE DRAWINGS: S53076_CPB_TC-05.dgn, S53076_CPB_TC-06.dgn, S53076_CPB_TC-07.dgn, S53076_CPB_TC

STANDARD SHEETS FOR 619

PREPARED BY: AJ

CHECKED BY: GK



ITEM 619.1803 (EA)				
TEMPORARY IMPACT ATTENUATOR - REDIRECTIVE (TEST LEVEL 3)				
STATION	OFFSET	SIDE	COMMENTS	QTY. (EA)
ML 485+65		LT	8.5' OFF EOT	1
ML 486+75		LT	9.5' OFF EOT	1
TOTAL:				2

Added for unanticipated field conditions:	
SAY:	2

APPLICABLE DRAWINGS: S53076_CPB_TC-06.dgn, S53076_CPB_TC-08.dgn

PREPARED BY: AJ

CHECKED BY: GK



ITEM 619.24 (LS)						
Nighttime Operations (Entire Project)						
RS Means 2020 - B-80B CREW						
LABOR:						
Item	Qty.	Unit	Duration	Price/Unit	Days	Cost
Laborer	1	EA	8 hrs/day	\$588.80	8	\$37,683.20
Equip. Oper. (light)	1	EA	8 hrs/day	\$754.00	8	\$48,256.00
						\$0.00
LABOR:						\$85,939.20
EQUIPMENT:						
Item	Qty.	Unit	Duration	Price/Unit	Day	Cost
Crane, Flatbed Mounted, 3 Ton	1	EA	Daily	\$645.47	8	\$5,163.76
						\$0.00
EQUIPMENT:						\$5,163.76
LABOR:						\$85,939.20
EQUIPMENT:						\$5,163.76
TOTAL:						\$91,103.00

Added for unanticipated field conditions:		\$10,000
SAY:		112,000

APPLICABLE DRAWINGS: S53076_CPB_TC-01.dgn

PREPARED BY: GK

CHECKED BY: CC

COMP DATE: 06/2025



ITEM 646.21 (EA)				
REFERENCE MARKER PANEL				
STATION	OFFSET	SIDE	PANEL TEXT	QTY. (EA)
NM 13+04.00		LT		1
TOTAL:				1

Added for unanticipated field conditions:	
SAY:	1

APPLICABLE DRAWINGS: S53076_CPB_PL-02.dgn

STANDARD SHEETS FOR 646

PREPARED BY: AJ

CHECKED BY: GK



ITEM 646.32 (EA)				
STEEL POST, 2.0 LB/FT				
STATION	OFFSET	SIDE	PANEL TEXT	QTY. (EA)
NM 13+04.00		LT		1
TOTAL:				1

Added for unanticipated field conditions:	
SAY:	1

APPLICABLE DRAWINGS: S53076_CPB_PL-02.dgn

STANDARD SHEETS FOR 646

PREPARED BY: AJ

CHECKED BY: GK



ITEM 647.83001002 (EA)				
REMOVAL AND DISPOSAL OF DELINEATORS AND/OR REFERENCE MARKERSWITH OR WITHOUT POSTS				
STATION	OFFSET	SIDE	PANEL TEXT	QTY. (EA)
NM 13+04.00		LT		1
TOTAL:				1

Added for unanticipated field conditions:	
SAY:	1

APPLICABLE DRAWINGS: S53076_CPB_PE-01.dgn

STANDARD SHEETS FOR 646

PREPARED BY: AJ

CHECKED BY: GK



ITEM 649.11 (LF)

CENTERLINE AUDIBLE ROADWAY DELINEATORS (CARDS)

FROM STATION	TO STATION	LENGTH	COMMENTS	QTY. (LF)
6+50.00	15+80.00	930.00		930
		0.00		0
				0
TOTAL:				930

Added for unanticipated field conditions:	
SAY:	930

APPLICABLE DRAWINGS: S53076_CPB_PL-01.dgn, S53076_CPB_PL-02.dgn

PREPARED BY: AJ

CHECKED BY: GK



ITEM 685.1102 (LF)

WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS

FROM STATION	TO STATION	SIDE	TYPE	LENGTH (FT)	WIDTH (IN)	PAYMENT FACTOR	PAYABLE LENGTH
NM 6+50	NM 15+80	LT	WEL	930.00	4.00	1.00	930.00
NM 6+50	NM 15+80	RT	WEL	930.00	4.00	1.00	930.00
TOTAL:							1,860.00

Added for unanticipated field conditions:	
SAY:	1860

NOTES:

WEL - 4 INCH WHITE EDGE LINE

WLL - 4 INCH WHITE LANE LINE

WBLL - 4 INCH WHITE BROKEN LANE LINE

WDLL - 4 INCH WHITE DOTTED LANE LINE

WCL - WHITE CHANNELIZING LINE

WSL - WHITE STOP BAR

APPLICABLE DRAWINGS: S53076_CPB_PL-01.dgn, S53076_CPB_PL-02.dgn

STANDARD SHEETS FOR 685

PREPARED BY: AJ

CHECKED BY: GK



ITEM 685.1202 (LF)

YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS

FROM STATION	TO STATION	SIDE	TYPE	LENGTH (FT)	WIDTH (IN)	PAYMENT FACTOR	PAYABLE LENGTH
NM 6+50	NM 15+80	CL	YSDL	930.00	4.00	2.00	1,860.00
TOTAL:							1,860.00

Added for unanticipated field conditions:	
SAY:	1860

NOTES:

YEL- 4 INCH YELLOW EDGE LINE

YDLL - YELLOW DOUBLE LANE LINE

APPLICABLE DRAWINGS: S53076_CPB_PL-01.dgn, S53076_CPB_PL-02.dgn

STANDARD SHEETS FOR 685

PREPARED BY: AJ

CHECKED BY: GK

BRIDGE QUANTITIES

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/12/2025
 Chk: A. Estabrooks
 Date: 09/11/2025

ITEM NO.: 201.06

DESCRIPTION: CLEARING AND GRUBBING
 UNIT: LS

Used for:

Refer to:

Lump Sum = 1

SHEET TOTAL: 1 LS

SUBTOTAL: 1 LS

SAY TOTAL: 1 LS

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By:	B. Warthling
Date:	08/12/2025
Chk:	A. Estabrooks
Date:	09/11/2025

ITEM NO.: 202.120001

DESCRIPTION: REMOVING EXISTING SUPERSTRUCTURES
 UNIT: LS

Used for:

Refer to: Existing Plan and Elevation Drawing

Lump Sum = 1

SHEET TOTAL:	1	LS
--------------	---	----

SUBTOTAL:	1	LS
-----------	---	----

SAY TOTAL:	1	LS
------------	---	----

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/12/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 202.19

DESCRIPTION: REMOVAL OF SUBSTRUCTURES
 UNIT: CY

Used for:

Refer to: Substructure Removal Drawing & MTC 52-15 Record Plans

Begin Abutment

Backwall Removal (purple area)

Backwall thickness:	1.5	ft
Top Backwall EL:	452.42	
Bottom Backwall EL:	448.92	
Backwall Height:	3.5	ft
Backwall Length:	45.1	ft
Backwall Volume:	237	cf

Pedestal Removal

Pedestal 1 EL:	449.35	
Pedestal 2 EL:	449.5	
Pedestal 3 EL:	449.66	
Pedestal 4 EL:	449.52	
Pedestal 5 EL:	449.38	
Bottom Pedestal EL:	448.92	
Pedestal Width:	2.25	ft
Pedestal Depth:	1.42	ft
Pedestal Area:	3.19	sf
Total Pedestal Height:	2.81	ft
Pedestal Volume:	8.96	cf

Stem Removal (green area)

Portion of Stem Removal Width:	1.80	ft (includes some portion of backwall width - measured in CAD)
Top of Stem EL:	448.92	
Avg Stem Removal EL:	447.90	(approximated in CAD)
Length of Stem Removal:	45.1	ft
Stem Volume:	41.4	cf (assumes a triangular removal area)

BAL Removal (red area)

Top EL:	454.27	
Bottom EL:	441.92	
Max Length:	7.06	ft
Min Length:	6.13	ft
Width:	5.17	ft
Volume:	421	cf

BAR Removal (yellow area)

Top EL:	454.27	
Bottom EL:	441.92	
Max Length:	7.10	ft
Min Length:	6.15	ft
Width:	5.17	ft
Volume:	423	cf

SHEET TOTAL: 0 CY

SUBTOTAL: 0 CY

SHEET 1 OF 7

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
TA: TAS 25-30B
County: Madison

By: B. Warthling

Date: 08/12/2025

Chk: A. Estabrooks

Date: 09/12/2025

ITEM NO.: 202.19

DESCRIPTION: REMOVAL OF SUBSTRUCTURES

UNIT: CY

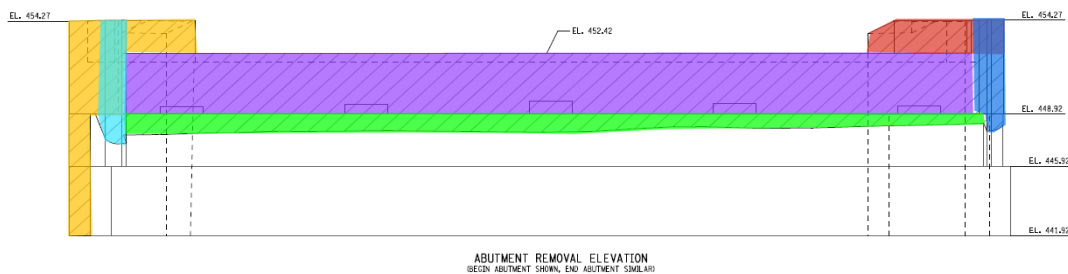
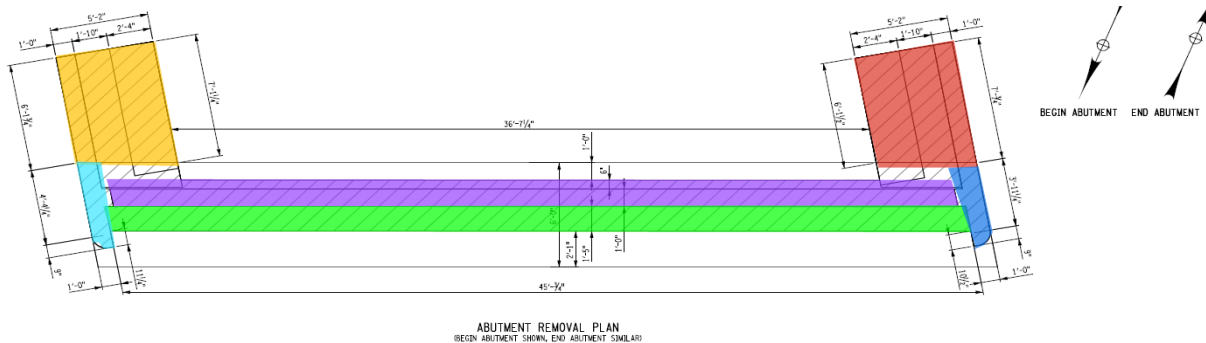
BAL Ear Portion Removal (blue area)

Top EL:	454.27	
Max Bottom EL:	448.92	
Min Bottom EL:	447.98	
Average Height:	5.82	ft
Thickness:	1.00	ft
Length:	4.69	ft
Volume:	27.3	cf

BAR Ear Portion Removal (cyan area)

Top EL:	454.27	
Max Bottom EL:	448.92	
Min Bottom EL:	447.25	
Average Height:	6.185	ft
Thickness:	1.00	ft
Length:	5.10	ft
Volume:	31.6	cf

Begin Abutment Volume: 1189 cf
Total: 44.0 cy
Say: 45 cy



SHEET TOTAL: 45 CY

SUBTOTAL: 45 CY

SHEET 2 OF 7

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling

Date: 08/12/2025

Chk: A. Estabrooks

Date: 09/12/2025

ITEM NO.: 202.19

DESCRIPTION: REMOVAL OF SUBSTRUCTURES

UNIT: CY

Pier 1

Pier Cap

Length:	42.125	ft
Width:	3	ft
Depth:	4	ft
Volume:	505.5	cf

Interior Pedestal

Width:	3.5	ft
Depth:	1.5	ft
Top of Cap EL:	448.92	
Top of Pedestal 2 EL:	449.48	
Top of Pedestal 3 EL:	449.62	
Top of Pedestal 4 EL:	449.46	
Total Pedestal Height:	1.8	ft
Volume:	9.45	cf

Exterior Pedestal

Diameter:	3.5	ft
Plan Area:	9.62	sf
Top of Pedestal 1 EL:	449.33	
Top of Pedestal 5 EL:	449.31	
Top of Cap EL:	448.92	
Total pedestal height:	0.8	ft
Volume:	7.70	cf

Column

Diameter:	3.5	ft
Plan Area:	9.62	sf
Top of column EL:	444.92	
Average Removal EL:	433.5	(average of 3 columns, approximated in CAD)
Column Removal Height:	11.42	ft
Total Number of Columns:	3	
Volume:	330	cf

Pier 1 Volume: 852 cf
 Total: 31.6 cy
Say: 32 cy

SHEET TOTAL: 32 CY

SUBTOTAL: 77 CY

SHEET 3 OF 7

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling

Date: 08/12/2025

Chk: A. Estabrooks

Date: 09/12/2025

ITEM NO.: 202.19

DESCRIPTION: REMOVAL OF SUBSTRUCTURES

UNIT: CY

Pier 2

Pier Cap

Length:	42.125	ft
Width:	3	ft
Depth:	4	ft
Volume:	505.5	cf

Interior Pedestal

Width:	3.5	ft
Depth:	1.5	ft
Top of Cap EL:	448.92	
Top of Pedestal 2 EL:	449.54	
Top of Pedestal 3 EL:	449.69	
Top of Pedestal 4 EL:	449.54	
Total Pedestal Height:	2.01	ft
Volume:	10.6	cf

Exterior Pedestal

Diameter:	3.5	ft
Plan Area:	9.62	sf
Top of Pedestal 1 EL:	449.38	
Top of Pedestal 5 EL:	449.38	
Top of Cap EL:	448.92	
Total pedestal height:	0.92	ft
Volume:	8.85	cf

Column

Diameter:	3.5	ft
Plan Area:	9.62	sf
Top of column EL:	444.92	
Bottom of Column EL:	430.42	(average of 3 columns, approximated in CAD)
Column Removal Height:	14.5	ft
Total Number of Columns:	3	
Volume:	419	cf

Footing

Thickness:	4	ft
Length:	47	ft
Width:	7	ft
Volume:	1316	cf

Pier 1 Volume:	2259	cf
Total:	83.7	cy
Say:	84	cy

SHEET TOTAL: 84 CY

SUBTOTAL: 161 CY

SHEET 4 OF 7

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/12/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 202.19

DESCRIPTION: REMOVAL OF SUBSTRUCTURES

UNIT: CY

Pier 3

Pier Cap

Length:	42.125	ft
Width:	3	ft
Depth:	4	ft
Volume:	505.5	cf

Interior Pedestal

Width:	3.5	ft
Depth:	1.5	ft
Top of Cap EL:	448.92	
Top of Pedestal 2 EL:	449.46	
Top of Pedestal 3 EL:	449.62	
Top of Pedestal 4 EL:	449.48	
Total Pedestal Height:	1.8	ft
Volume:	9.45	cf

Exterior Pedestal

Diameter:	3.5	ft
Plan Area:	9.62	sf
Top of Pedestal 1 EL:	449.31	
Top of Pedestal 5 EL:	449.33	
Top of Cap EL:	448.92	
Total pedestal height:	0.8	ft
Volume:	7.70	cf

Column

Diameter:	3.5	ft
Plan Area:	9.62	sf
Top of column EL:	444.92	
Average Removal EL:	433.4	(average of 3 columns, approximated in CAD)
Column Removal Height:	11.52	ft
Total Number of Columns:	3	
Volume:	333	cf

Pier 1 Volume: 855 cf
 Total: 31.7 cy
Say: 32 cy

SHEET TOTAL: 32 CY

SUBTOTAL: 193 CY

SHEET 5 OF 7

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling

Date: 08/12/2025

Chk: A. Estabrooks

Date: 09/12/2025

ITEM NO.: 202.19

DESCRIPTION: REMOVAL OF SUBSTRUCTURES

UNIT: CY

End Abutment

Backwall Removal (purple area - refer to begin abutment for sketch)

Backwall thickness:	1.5	ft
Top Backwall EL:	452.42	
Bottom Backwall EL:	448.92	
Backwall Height:	3.5	ft
Backwall Length:	45.1	ft
Backwall Volume:	237	cf

Pedestal Removal

Pedestal 1 EL:	449.35	
Pedestal 2 EL:	449.5	
Pedestal 3 EL:	449.66	
Pedestal 4 EL:	449.52	
Pedestal 5 EL:	449.38	
Bottom Pedestal EL:	448.92	
Pedestal Width:	2.25	ft
Pedestal Depth:	1.42	ft
Pedestal Area:	3.19	sf
Total Pedestal Height:	2.81	ft
Pedestal Volume:	8.96	cf

Stem Removal (green area - refer to begin abutment for sketch)

Portion of Stem Removal Width:	2.00	ft (includes some portion of backwall width - measured in CAD)
Top of Stem EL:	448.92	
Avg Stem Removal EL:	447.85	(approximated in CAD)
Length of Stem Removal:	45.1	ft
Stem Volume:	48.2	cf (assumes a triangular removal area)

EAR Removal (red area - refer to begin abutment for sketch)

Top EL:	454.27	
Bottom EL:	441.92	
Max Length:	7.06	ft
Min Length:	6.13	ft
Width:	5.17	ft
Volume:	421	cf

EAL Removal (yellow area - refer to begin abutment for sketch)

Top EL:	454.27	
Bottom EL:	441.92	
Max Length:	7.10	ft
Min Length:	6.15	ft
Width:	5.17	ft
Volume:	423	cf

EAR Ear Portion Removal (blue area - refer to begin abutment for sketch)

Top EL:	454.27	
Max Bottom EL:	448.92	
Min Bottom EL:	447.53	
Average Height:	6.045	ft
Thickness:	1.00	ft
Length:	4.69	ft
Volume:	28.3	cf

SHEET TOTAL: 0 CY

SUBTOTAL: 193 CY

SHEET 6 OF 7

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling

Date: 08/12/2025

Chk: A. Estabrooks

Date: 09/12/2025

ITEM NO.: 202.19

DESCRIPTION: REMOVAL OF SUBSTRUCTURES

UNIT: CY

EAL Ear Portion Removal (cyan area - refer to begin abutment for sketch)

Top EL:	454.27	
Max Bottom EL:	448.92	
Min Bottom EL:	447.4	
Average Height:	6.11	ft
Thickness:	1.00	ft
Length:	5.10	ft
Volume:	31.2	cf

Begin Abutment Volume:	1197	cf
Total:	44.3	cy
Say:	45	cy

SHEET TOTAL:	45	CY
--------------	----	----

SUBTOTAL:	238	CY
-----------	-----	----

SAY TOTAL:	240	CY
------------	-----	----

SHEET 7 OF 7

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/12/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 203.03

DESCRIPTION: EMBANKMENT IN PLACE

UNIT: CY

Used for:

Refer to: Earthwork Drawings

Begin Abutment

Triangular Area Behind Abutment and Wingwalls (cyan area)

Bottom EL:	449.19
Average TGL EL:	457.1
Approach slab thickness:	1 ft
Subbase thickness:	1 ft
Average Height:	5.91 ft
Plan Area:	450 sf (measured in CAD)
Volume:	1330 cf

Additional Fill behind abutment outside of triangular portion (yellow area)

Plan Area:	375 sf (measured in CAD)
Existing EL:	454 (taken from profile drawing)
Proposed EL:	456.62 (taken from profile drawing)
Approach slab thickness:	1 ft
Subbase thickness:	1 ft
Average Height:	0.62 ft
Volume:	233 cf

Fill Around BAL (green area)

Plan Area:	2180 sf (measured in CAD)
Approximate fill thickness:	1.25 ft
	2725 cf

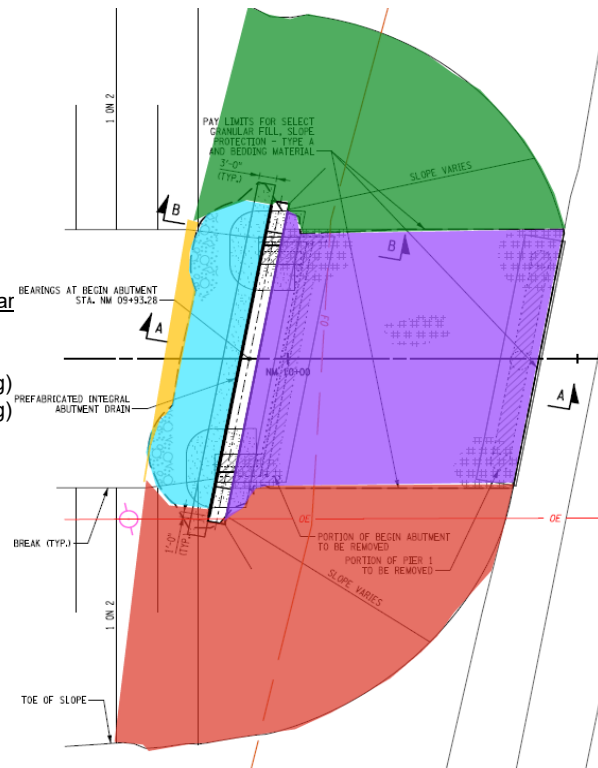
Fill Around BAR (red area)

Plan Area:	2140 sf (measured in CAD)
Approximate fill thickness:	2 ft
	4280 cf

Miscellaneous in Front of Abutment and under slope protection (purple area)

Plan Area:	554 sf (measured in CAD)
Approximate fill thickness:	0.4 ft
	222 cf

Total Volume: 8789 cf
 326 cy
SAY: 350 cy



SHEET TOTAL: 350 CY

SUBTOTAL: 350 CY

SHEET 1 OF 3

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/12/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 203.03

DESCRIPTION: EMBANKMENT IN PLACE

UNIT: CY

Pier 1

Plan Area: 2431 sf (measured in CAD)
 Bottom EL: 429.65
 Average Top EL: 434.5

Footing Length: 51 ft
 Footing Width: 12 ft
 Footing Thickness: 3.5 ft
 Stem Width: 43 ft
 Stem Thickness: 4 ft
 Average Buried Stem Height: 1.25 ft
 Footing Offset: 3 ft

Rectangular Area: 1026 sf
 Rectangular Volume: 4976 cf

Triangular Area: 1405 sf (plan area measured in CAD minus rectangular area calculated above)
 Triangular Volume: 3407 cf

Total Volume: 8383 cf
 Subtract Volume of Pier: 2357 cf

Volume: 6026 cf
 Volume: 223 cy
SAY: 225 cy

SHEET TOTAL: 225 CY

SUBTOTAL: 575 CY

SHEET 2 OF 3

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/12/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 203.03

DESCRIPTION: EMBANKMENT IN PLACE

UNIT: CY

End Abutment

Triangular Area Behind Abutment and Wingwalls (cyan area - refer to begin abutment for sketch)

Bottom EL:	449.19	
Average TGL EL:	457.1	
Approach slab thickness:	1	ft
Subbase thickness:	1	ft
Average Height:	5.91	ft
Plan Area:	440	sf (measured in CAD)
Volume:	1300	cf

Additional Fill behind abutment outside of triangular portion (yellow area - refer to begin abutment for sketch)

Plan Area:	342	sf (measured in CAD)
Existing EL:	454	(taken from profile drawing)
Proposed EL:	457.1	(taken from profile drawing)
Approach slab thickness:	1	ft
Subbase thickness:	1	ft
Average Height:	1.1	ft
Volume:	376	cf

Fill Around EAR (green area - refer to begin abutment for sketch)

Plan Area:	3035	sf (measured in CAD)
Approximate fill thickness:	3	ft
	9105	cf

Fill Around EAL (red area - refer to begin abutment for sketch)

Plan Area:	1321	sf (measured in CAD)
Approximate fill thickness:	1	ft
	1321	cf

Miscellaneous in Front of Abutment and under slope protection (purple area - refer to begin abutment for sketch)

Plan Area:	181	sf (measured in CAD)
Approximate fill thickness:	0.25	ft
	45.25	cf

Total Volume:	12148	cf
	450	cy
SAY:	450	cy

SHEET TOTAL:	450	CY
---------------------	------------	-----------

SUBTOTAL:	1025	CY
------------------	-------------	-----------

SAY TOTAL:	1025	CY
-------------------	-------------	-----------

SHEET 3 OF 3

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/12/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 203.0801

DESCRIPTION: SELECT GRANULAR FILL, SLOPE PROTECTION - TYPE A
 UNIT: CY

Used for:

Refer to: Earthwork Drawings

Begin Abutment

Thickness:	1	ft
Bridge Width:	43	ft
Extend past fascia:	3	ft
Total Width:	49	ft

Berm

Length:	3.67	ft
Volume:	180	cf

1:2 Area

Length:	24	ft
Adjust for Slope:	26.8	ft
Volume:	1315	cf

1:4 Area

Length:	16	ft
Adjust for Slope:	16.5	ft
Volume:	808	cf

Near Existing Pier/shoulder

Length:	3.5	ft (approximate)
Volume:	172	cf

Total Volume:	2474	cf
	91.6	cy
SAY:	100	cy

End Abutment

-End abutment volume is similar to begin abutment

Total Volume:	100	cy
---------------	-----	----

SHEET TOTAL:	200	CY
--------------	-----	----

SUBTOTAL:	200	CY
-----------	-----	----

SAY TOTAL:	200	CY
------------	-----	----

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/12/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 203.21

DESCRIPTION: SELECT STRUCTURE FILL
 UNIT: CY

Used for:

Refer to: Earthwork Drawings & MTC 52-15 Record Plans

Begin Abutment

Area Behind Abutment and Wingwall (purple area)

Thickness of Fill:	3	ft
Abutment and WW Length:	61.6	ft
Extension Past end of WW:	3	ft
Total Length:	67.6	ft
Bottom of Abutment:	449.19	
Top of Abutment:	457.04	(top of G3 + 9.5" deck + haunch thickness)
Approach thickness:	1.00	ft
Subbase Thickness:	1.00	ft
Height of Structural Fill:	5.85	ft
Volume:	1188	cf

Fill for existing BAR footing (green area)

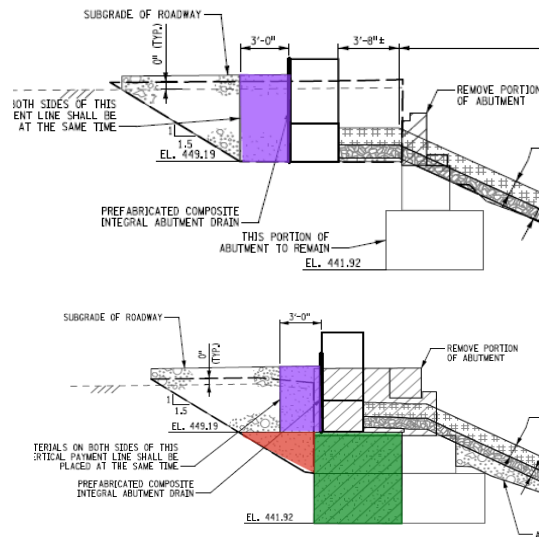
Min Length:	6.15	ft
Max Length:	7.10	ft
Footing Width:	5.17	ft
Bottom Fill EL:	441.92	
Top Fill EL:	449.19	
Height of Fill:	7.27	ft
Volume:	249	cf

Sloped Fill for existing BAR footing (red area)

Slope:	1.5	on 1
Bottom of Slope:	445.92	
Top of Slope:	449.19	
Height:	3.27	
Bottom Area:	34.2	sf (area of footing to be removed)
Top Area:	173	sf (plan area of top accounting for slope)
Volume:	226	cf (average of top and bottom area times height, subtract out rectangular volume calculated in previous step)

Fill for existing BAL footing (green area)

Min Length:	6.13	ft
Max Length:	7.06	ft
Footing Width:	5.17	ft
Bottom Fill EL:	441.92	
Top Fill EL:	449.19	
Height of Fill:	7.27	ft
Volume:	248	cf



SHEET TOTAL: 0 CY

SUBTOTAL: 0 CY

SHEET 1 OF 4

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
Date: 08/12/2025
Chk: A. Estabrooks
Date: 09/12/2025

ITEM NO.: 203.21

DESCRIPTION: SELECT STRUCTURE FILL

UNIT: CY

Sloped Fill for existing BAL footing (red area)

Slope:	1.5	on 1	
Bottom of Slope:	445.92		
Top of Slope:	449.19		
Height:	3.27		
Bottom Area:	34.1	sf (area of footing to be removed)	
Top Area:	172	sf (plan area of top accounting for slope)	
Volume:	225.9	cf (average of top and bottom area times height, subtract out rectangular volume calculated in previous step)	

Total Begin Abutment Volume:	2137	cf	
	79.1	cy	
SAY:	80	cy	

Pier 1

Bottom of Exist Ftg.:	426.42		
Bottom of Prop. Footing:	429.65		
Width of Exist Footing:	7	ft	
Length of Exist Footing:	47	ft	
Volume:	1063	cf	
	39.4	cy	
SAY:	40	cy	

SHEET TOTAL:	120 CY
---------------------	---------------

SUBTOTAL:	120 CY
------------------	---------------

SHEET 2 OF 4

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
Date: 08/12/2025
Chk: A. Estabrooks
Date: 09/12/2025

ITEM NO.: 203.21

DESCRIPTION: SELECT STRUCTURE FILL

UNIT: CY

End Abutment

Area Behind Abutment and Wingwall (purple area - refer to begin abutment for sketch)

Thickness of Fill:	3	ft	
Abutment and WW Length:	63.2	ft	
Extension Past end of WW:	3	ft	
Total Length:	69.2	ft	
Bottom of Abutment:	449.19		
Top of Abutment:	457.04		(top of G3 + 9.5" deck + haunch thickness)
Approach thickness:	1.00	ft	
Subbase Thickness:	1.00	ft	
Height of Structural Fill:	5.85	ft	
Volume:	1216	cf	

Fill for existing EAL footing (green area - refer to begin abutment for sketch)

Min Length:	6.15	ft	
Max Length:	7.10	ft	
Footing Width:	5.17	ft	
Bottom Fill EL:	441.92		
Top Fill EL:	449.19		
Height of Fill:	7.27	ft	
Volume:	249	cf	

Sloped Fill for existing EAL footing (red area - refer to begin abutment for sketch)

Slope:	1.5	on 1	
Bottom of Slope:	445.92		
Top of Slope:	449.19		
Height:	3.27		
Bottom Area:	34.2		sf (area of footing to be removed)
Top Area:	173		sf (plan area of top accounting for slope)
Volume:	226		cf (average of top and bottom area times height, subtract out rectangular volume calculated in previous step)

Fill for existing EAR footing (green area - refer to begin abutment for sketch)

Min Length:	6.125	ft	
Max Length:	7.06	ft	
Footing Width:	5.17	ft	
Bottom Fill EL:	441.92		
Top Fill EL:	449.19		
Height of Fill:	7.27	ft	
Volume:	248	cf	

SHEET TOTAL:	0	CY
---------------------	----------	-----------

SUBTOTAL:	120	CY
------------------	------------	-----------

SHEET 3 OF 4

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/12/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 203.21

DESCRIPTION: SELECT STRUCTURE FILL

UNIT: CY

Sloped Fill for existing EAR footing (red area - refer to begin abutment for sketch)

Slope:	1.5	on 1
Bottom of Slope:	445.92	
Top of Slope:	449.19	
Height:	3.27	
Bottom Area:	34.1	sf (area of footing to be removed)
Top Area:	172	sf (plan area of top accounting for slope)
Volume:	225.9	cf (average of top and bottom area times height, subtract out rectangular volume calculated in previous step)

Total End Abutment Volume:	2164	cf
	80.2	cy
SAY:	80	cy

SHEET TOTAL:	80	CY
--------------	----	----

SUBTOTAL:	200	CY
-----------	-----	----

SAY TOTAL:	200	CY
------------	-----	----

SHEET 4 OF 4

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/13/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 206.01

DESCRIPTION: STRUCTURE EXCAVATION
 UNIT: CY

Used for:

Refer to: Earthwork Drawings

Begin Abutment

Rectangular portion behind existing abutment (green area)

Bottom of Prop. Footing:	449.19
Average Top of Exist Ground:	454
Plan Area:	590 sf (measured in CAD)
Volume:	2838 cf

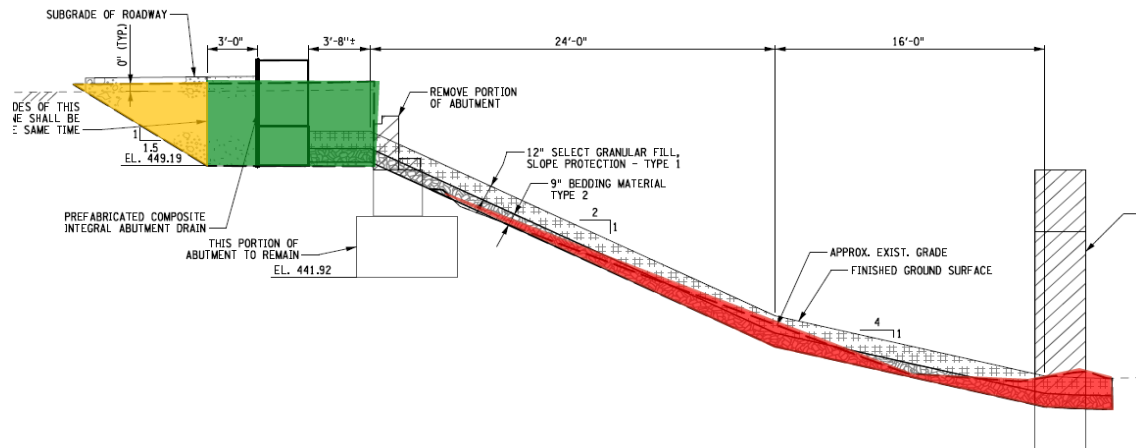
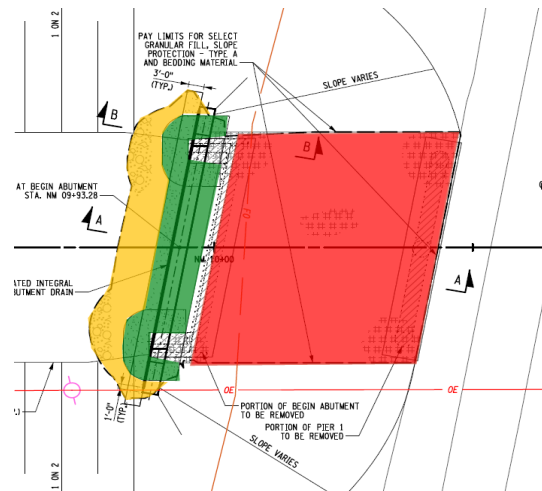
Triangular portion behind existing abutment (yellow area)

Bottom of Prop. Footing:	449.19
Average Top of Exist Ground:	454
Plan Area:	488 sf (measured in CAD)
Volume:	1174 cf

Miscellaneous Structure Excavation in Front of Abutment (red area)

Plan Area:	2070 sf (measured in CAD)
Average Depth:	0.67 ft (approximate)
Volume:	1386.9 cf

Total Volume: 5398 cf
 199.9422 cy
SAY: 200 cy



SHEET TOTAL: 200 CY

SUBTOTAL: 200 CY

SHEET 1 OF 3

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
Date: 08/13/2025
Chk: A. Estabrooks
Date: 09/12/2025

ITEM NO.: 206.01

DESCRIPTION: STRUCTURE EXCAVATION

UNIT: CY

Pier 1

Plan Area: 2431 sf (measured in CAD)
 Bottom EL: 429.65
 Average Top EL: 434.5

Prop Footing Length: 51 ft
 Prop Footing Width: 12 ft
 Prop Footing Thickness: 3.5 ft
 Footing Offset: 3 ft

Rectangular Area: 1026 sf
 Rectangular Volume: 4976 cf

Triangular Area: 1405 sf (plan area measured in CAD minus rectangular area calculated above)
 Triangular Volume: 3407 cf

Total Volume: 8383 cf

Existing Footing Length:	47	ft
Existing Footing Width:	7	ft
Height of footing above 429.65:	0.77	ft
Volume:	253.33	cf

Column Diameter:	3.5	ft
Height of Column in Exc. Area:	3.84	ft
Number of Columns:	3	
Volume:	110.8354	cf

Subtract Substructure Removal Vol: 8019 cf

297 cy
SAY: 300 cy

SHEET TOTAL: 300 CY

SUBTOTAL: 500 CY

SHEET 2 OF 3

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
Date: 08/13/2025
Chk: A. Estabrooks
Date: 09/12/2025

ITEM NO.: 206.01

DESCRIPTION: STRUCTURE EXCAVATION

UNIT: CY

End Abutment

Rectangular portion behind existing abutment (green area - refer to begin abutment for sketch)

Bottom of Prop. Footing:	449.19	
Average Top of Exist Ground:	454	
Plan Area:	582	sf (measured in CAD)
Volume:	2799	cf

Triangular portion behind existing abutment (yellow area - refer to begin abutment for sketch)

Bottom of Prop. Footing:	449.19	
Average Top of Exist Ground:	454	
Plan Area:	483	sf (measured in CAD)
Volume:	1162	cf

Miscellaneous Structure Excavation in Front of Abutment (red area - refer to begin abutment for sketch)

Plan Area:	2084	sf (measured in CAD)
Average Depth:	0.9	ft (approximate)
Volume:	1875.6	cf

Total Volume:	5837	cf
	216.1717	cy
SAY:	220	cy

SHEET TOTAL:	220	CY
---------------------	------------	-----------

SUBTOTAL:	720	CY
------------------	------------	-----------

SAY TOTAL:	720	CY
-------------------	------------	-----------

SHEET 3 OF 3

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/12/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 207.27

DESCRIPTION: PREFABRICATED COMPOSITE INTEGRAL ABUTMENT DRAIN
 UNIT: SY

Used for:
 Refer to: Earthwork Drawings

Begin Abutment

Bottom EL:	449.19	
Max Top EL:	456.04	(placed up to bottom of approach slab)
Min Top EL:	455.64	(placed up to bottom of approach slab)
Abutment Length:	43.7	ft
Average Height:	6.65	ft
Area:	291	sf
	32.3	sy

BAL

Bottom EL:	449.19	
Max Top EL:	457.16	
Min Top EL:	454.02	
Length:	8.52	ft
Offset from Top:	1.67	ft
Offset from end:	1	ft
Average PCIAD Height:	4.73	ft
PCIAD Length:	7.52	ft
Area:	35.6	sf
	3.96	sy

BAR

Bottom EL:	449.19	
Max Top EL:	457.1	
Min Top EL:	453.62	
Length:	9.42	ft
Offset from Top:	1.67	ft
Offset from end:	1	ft
Average PCIAD Height:	4.50	ft
PCIAD Length:	8.42	ft
Area:	37.9	sf
	4.21	sy
Total Begin Abutment:	40.46	sy
SAY:	42	sy

SHEET TOTAL: 42 SY

SUBTOTAL: 42 SY

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/12/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 207.27

DESCRIPTION: PREFABRICATED COMPOSITE INTEGRAL ABUTMENT DRAIN

UNIT: SY

End Abutment

Bottom EL:	449.19	
Max Top EL:	456.04	(placed up to bottom of approach slab)
Min Top EL:	455.64	(placed up to bottom of approach slab)
Abutment Length:	43.7	ft
Average Height:	6.65	ft
Area:	291	sf
	32.3	sy

EAL

Bottom EL:	449.19	
Max Top EL:	457.1	
Min Top EL:	453.38	
Length:	9.94	ft
Offset from Top:	1.67	ft
Offset from end:	1	ft
Average PCIAD Height:	4.38	ft
PCIAD Length:	8.94	ft
Area:	39.2	sf
	4.35	sy

EAR

Bottom EL:	449.19	
Max Top EL:	457.16	
Min Top EL:	453.51	
Length:	9.58	ft
Offset from Top:	1.67	ft
Offset from end:	1	ft
Average PCIAD Height:	4.48	ft
PCIAD Length:	8.58	ft
Area:	38.4	sf
	4.27	sy
Total Begin Abutment:	40.92	sy
SAY:	42	sy

SHEET TOTAL: 42 SY

SUBTOTAL: 84 SY

SAY TOTAL: 84 SY

SHEET 2 OF 2

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
Date: 08/13/2025
Chk: A. Estabrooks
Date: 09/12/2025

ITEM NO.: 304.12

DESCRIPTION: SUBBASE COURSE, TYPE 2
UNIT: CY

Used for: Subbase under approach slab and shoulders adjacent to approach slab, remainder included in hwy qty workups
Refer to: Approach Typical Section

Begin Approach

Approach Slab Begins:	NM 09+77.43	
Approach Slab Ends:	NM 09+92.43	
Integral Abutment Overlap:	8	in
Sleeper Slab Overlap:	2	ft
Skew:	10.38	deg
Subbase Length:	12.29	ft
Approach Curb to Approach Curb:	40.83	ft (taken at outside of approach curbs)
Subbase Area:	501.8	sf
Subbase Thickness:	1	ft
Subbase Volume:	501.8	cf
	18.6	cy
Shoulder Backup Width:	2.67	ft
Side Slope Width:	2:1	
Thickness of Subbase and Appr. Slab:	2	ft
Length under Shoulder:	15.0	ft (full approach slab length)
Volume under Shoulder Backup:	80.0	cf/side
Volume outside of Shoulder Backup:	60.0	cf/side
Total:	140.0	cf/side
Total for both sides:	280.0	cf
	10.4	cy
Total Begin Approach:	29.0	cy

SHEET TOTAL: 29.0 CY

SUBTOTAL: 29.0 CY

SHEET 1 OF 2

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
Date: 08/13/2025
Chk: A. Estabrooks
Date: 09/12/2025

ITEM NO.: 304.12

DESCRIPTION: SUBBASE COURSE, TYPE 2

UNIT: CY

End Approach

Approach Slab Begins: NM 12+07.13

Approach Slab Ends: NM 12+22.12

Integral Abutment Overlap: 8 in

Sleeper Slab Overlap: 2 ft

Skew: 10.38 deg

Subbase Length: 12.28 ft

Approach Slab Out-to-Out: 39.67 ft

Subbase Area: 487.1 sf

Subbase Thickness: 1 ft

Subbase Volume: 487.1 cf

18.0 cy

Shoulder Backup Width: 2.67 ft

Side Slope Width: 2:1

Thickness of Subbase and Appr. Slab: 2 ft

Length under Shoulder: 15.0 ft (full approach slab length)

Volume under Shoulder Backup: 79.9 cf/side

Volume outside of Shoulder Backup: 60.0 cf/side

Total: 139.9 cf/side

Total for both sides: 279.8 cf

10.4 cy

Total End Approach: 28.4 cy

SHEET TOTAL:	28.4	CY
---------------------	-------------	-----------

SUBTOTAL:	57.4	CY
------------------	-------------	-----------

SAY TOTAL:	60	CY
-------------------	-----------	-----------

SHEET 2 OF 2

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/13/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 551.012053

DESCRIPTION: STEEL H-PILES (HP 12X53)

UNIT: LF

Used for:

Refer to: ST-10, ST-14, ST-16

Begin Abutment	
Pile #	Pile Length
1	85.0 ft
2	85.0 ft
3	85.0 ft
4	85.0 ft
5	85.0 ft
6	85.0 ft
7	85.0 ft
Total	595.0 ft

End Abutment	
Pile #	Pile Length
1	55.0 ft
2	55.0 ft
3	55.0 ft
4	55.0 ft
5	55.0 ft
6	55.0 ft
7	55.0 ft
Total	385.0 ft

Pier 1		
Pile #	Batter	Pile Length
1	6:1	51.7 ft
2	6:1	51.7 ft
3	6:1	51.7 ft
4	6:1	51.7 ft
5	6:1	51.7 ft
6	6:1	51.7 ft
7	6:1	51.7 ft
8	-	51.0 ft
9	-	51.0 ft
10	-	51.0 ft
11	-	51.0 ft
12	-	51.0 ft
13	-	51.0 ft
14	-	51.0 ft
15	-	51.0 ft
16	-	51.0 ft
17	-	51.0 ft
18	-	51.0 ft
19	-	51.0 ft
20	-	51.0 ft
21	6:1	51.7 ft
22	6:1	51.7 ft
23	6:1	51.7 ft
24	6:1	51.7 ft
25	6:1	51.7 ft
26	6:1	51.7 ft
27	6:1	51.7 ft
Total		1386.8 ft

SHEET TOTAL: 2367 LF

SUBTOTAL: 2367 LF

SAY TOTAL: 2370 LF

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/13/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 551.12

DESCRIPTION: SPLICES FOR STEEL H-PILES
 UNIT: EACH

Used for:

Refer to: ST-10, ST-14, ST-16

Begin Abutment:	7	
Pier:	27	
End Abutment:	7	
Total:	41	
Assume:	1/2	piles are spliced (per FDR and NYSDOT Bridge Manual 11.3.1.4)
Number of Splices:	20.5	
Say:	21	

SHEET TOTAL:	21	EACH
--------------	----	------

SUBTOTAL:	21	EACH
-----------	----	------

SAY TOTAL:	21	EACH
------------	----	------

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: A. Estabrooks
 Date: 02/14/2025
 Chk: B. Warthling
 Date: 08/13/2025

ITEM NO.: 551.13

DESCRIPTION: FURNISHING EQUIPMENT FOR DRIVING PILES
 UNIT: LS

Used for:

Refer to:

Lump Sum = 1

SHEET TOTAL:	1	LS
--------------	---	----

SUBTOTAL:	1	LS
-----------	---	----

SAY TOTAL:	1	LS
------------	---	----

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: A. Estabrooks
 Date: 02/14/2025
 Chk: B. Warthling
 Date: 08/13/2025

ITEM NO.: 551.14

DESCRIPTION: DYNAMIC PILE TESTING
 UNIT: EACH

Used for:

Refer to: ST-10, ST-14, ST-16

Begin Abutment Pile Quantity: 2
 End Abutment Pile Quantity: 2
 Pier Pile Quantity: 2

SHEET TOTAL:	6	EACH
--------------	---	------

SUBTOTAL:	6	EACH
-----------	---	------

SAY TOTAL:	6	EACH
------------	---	------

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: A. Estabrooks
 Date: 02/14/2025
 Chk: B. Warthling
 Date: 08/13/2025

ITEM NO.: 555.0011

DESCRIPTION: Footing Concrete, Performance
 UNIT: CY

Used for:

Refer to: ST-13

Top of Footing Elevation: 433.15 ft
 Bottom of Footing Elevation: 429.65 ft
 Footing Thickness: 3.5 ft

Footing Width: 12.00 ft
 Footing Length: 51.00 ft

Volume: 79.3 CY

SHEET TOTAL: 79.3 CY

SUBTOTAL: 79.3 CY

SAY TOTAL: 80 CY

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/13/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 555.0021

DESCRIPTION: Concrete for Structures, Performance
UNIT: CY

Used for:

Refer to: ST-10, ST-13, ST-16

Begin Abutment - Pour 1

Bottom EL:	449.19	
Top EL:	451.75	
Height:	2.56	ft
Thickness:	3	ft
Length:	61.6	ft
Volume:	473	cf
Total Pour 1:	17.5	cy

Begin Abutment - Pour 2

Abutment Portion

Bottom EL:	451.75	
Max Top EL:	455.96	
Top EL at BAL:	455.5	
Top EL at BAR:	455.45	
Average Height:	3.97	ft
Length:	43.7	ft
Thickness:	3.0	ft
Volume:	520	cf
	19.3	cy

BAL Portion

Bottom EL:	451.75	
Max top EL:	457.16	
Min top EL:	454.02	
Full Height Front Face Length:	2.17	ft
Full Height Rear Face Length:	2.71	ft
Sloped Length:	5.81	ft
Thickness:	3	ft
Volume:	107	cf
	3.95	cy

BAR Portion

Bottom EL:	451.75	
Max top EL:	457.1	
Min top EL:	453.62	
Full Height Front Face Length:	3.27	ft
Full Height Rear Face Length:	2.71	ft
Sloped Length:	6.71	ft
Thickness:	3.0	ft
Volume:	121	cf
	4.47	cy

Total Pour 2: 27.7 cy

Total Begin Abutment: 45.2 cy

SHEET TOTAL:	45.2	CY
---------------------	-------------	-----------

SUBTOTAL:	45.2	CY
------------------	-------------	-----------

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
Date: 08/13/2025
Chk: A. Estabrooks
Date: 09/12/2025

ITEM NO.: 555.0021

DESCRIPTION: Concrete for Structures, Performance

UNIT: CY

Pier 1 - Pour 2

Stem Width:	43	ft
Stem Thickness:	4	ft
T/ Stem EL:	451.68	
B/ Stem EL:	433.15	
Stem Height:	18.5	ft
Volume:	3187	cf
Total Pour 2:	118	cy

T/ Stem EL:	451.68
G1 Pedestal EL:	452.18
G2 Pedestal EL:	452.37
G3 Pedestal EL:	452.56
G4 Pedestal EL:	452.37
G5 Pedestal EL:	452.18

Interior Pedestal Length:	4	ft
Interior Pedestal Width:	3.67	ft
Interior Pedestal Plan Area:	14.7	sf
Total Interior Pedestal Height:	2.26	ft
Volume:	33.1	cf

Exterior Pedestal Length:	4	ft
Exterior Pedestal Width:	4.02	ft
Exterior Pedestal Plan Area:	16.083333	sf
Total Exterior Pedestal Height:	1.00	ft
Volume:	16.1	cf

Total Pedestal Volume:	49.2	cf
Total Pour 3:	1.82	cy

Total Pier 1: 120 cy

SHEET TOTAL: 120 CY

SUBTOTAL: 165 CY

SHEET 2 OF 3

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/13/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 555.0021

DESCRIPTION: Concrete for Structures, Performance

UNIT: CY

End Abutment - Pour 1

Bottom EL:	449.19	
Top EL:	451.75	
Height:	2.56	ft
Thickness:	3	ft
Length:	63.2	ft
Volume:	486	cf
Total Pour 1:	18.0	cy

End Abutment - Pour 2

Abutment Portion

Bottom EL:	451.75	
Max Top EL:	455.96	
Top EL at EAL:	455.45	
Top EL at EAR:	455.51	
Average Height:	3.97	ft
Length:	43.7	ft
Thickness:	3.0	ft
Volume:	521	cf
	19.3	cy

EAL Portion

Bottom EL:	451.75	
Max top EL:	457.1	
Min top EL:	453.38	
Full Height Front Face Length:	3.27	ft
Full Height Rear Face Length:	2.71	ft
Sloped Length:	7.23	ft
Thickness:	3	ft
Volume:	124	cf
	4.58	cy

EAR Portion

Bottom EL:	451.75	
Max top EL:	457.16	
Min top EL:	453.51	
Full Height Front Face Length:	2.17	ft
Full Height Rear Face Length:	2.71	ft
Sloped Length:	6.85	ft
Thickness:	3.0	ft
Volume:	113	cf
	4.20	cy

Total Pour 2: 28.1 cy

Total End Abutment: 46.0 cy

SHEET TOTAL:	46.0	CY
---------------------	-------------	-----------

SUBTOTAL:	211	CY
------------------	------------	-----------

SAY TOTAL:	212	CY
-------------------	------------	-----------

SHEET 3 OF 3

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/13/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 556.0203

DESCRIPTION: GALVANIZED BAR REINFORCEMENT FOR STRUCTURES
 UNIT: LB

Used for:

Refer to: Bar List

Begin Abutment:	10222	lb
Pier 1:	20058	lb
End Abutment:	10378	lb
Total:	40658	lb

SHEET TOTAL: 40658 LB

SUBTOTAL: 40658 LB

SAY TOTAL: 40660 LB

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: A. Estabrooks
 Date: 02/14/2025
 Chk: B. Warthling
 Date: 08/13/2025

ITEM NO.: 556.03

DESCRIPTION: STUD SHEAR CONNECTORS FOR BRIDGES
 UNIT: EACH

Used for:

Refer to: ST-24

Number of Girders: 5
 Rows Per Beam: 285
 Studs Per Row: 3
 Total Number of Studs: 4275

SHEET TOTAL: 4275 EACH

SUBTOTAL: 4275 EACH

SAY TOTAL: 4275 EACH

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/14/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 557.1019

DESCRIPTION: Structural Approach Slab with Integral Wearing Surface Type 9 Friction
 UNIT: SY

Used for:
 Refer to: ST-31

Begin Approach

Approach Slab Begins:	NM 09+77.43	
Approach Slab Ends:	NM 09+92.43	
Approach Slab Length:	15	ft
Approach Slab Width:	39.67	ft
Approach Slab Area:	595	sf
	66.1	sy

Begin Sleeper

Width:	39.67	
Length:	6	ft (perpendicular to skew)
Skew:	10.38	deg
Adjusted Length:	6.10	ft (along station line)
Sleeper Slab Area:	242	sf
	26.9	sy

End Approach

Approach Slab Begins:	NM 12+07.13	
Approach Slab Ends:	NM 12+22.12	
Approach Slab Length:	14.99	ft
Approach Slab Width:	39.67	ft
Approach Slab Area:	595	sf
	66.1	sy

End Sleeper

Width:	39.67	
Length:	6	ft (perpendicular to skew)
Skew:	10.38	deg
Adjusted Length:	6.10	ft (along station line)
Sleeper Slab Area:	242	sf
	26.9	sy

SHEET TOTAL: 185.95 SY

SUBTOTAL: 185.95 SY

SAY TOTAL: 186 SY

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
Date: 08/14/2025
Chk: A. Estabrooks
Date: 09/12/2025

ITEM NO.: 557.1119

DESCRIPTION: Superstructure Slab with Integral Wearing Surface Bottom Formwork Required - Type 9 Friction
UNIT: SY

Used for:

Refer to: ST-22 & ST-30

Pour 1

Slab Width:	43	ft	
Bridge Begin:	NM 09+92.43		
Bridge End:	NM 12+07.13		
Total Slab Length:	214.7	ft	
Pour 2 Length:	80	ft	
Pour 1 Length:	134.7	ft	
<hr style="border: 0; border-top: 1px solid black;"/>			
Total Slab Area:	5792.1	sf	
	644	sy	

Pour 2

Slab Width:	43	ft	
Pour 2 Length:	80	ft	
<hr style="border: 0; border-top: 1px solid black;"/>			
Total Slab Area:	3440	sf	
	382	sy	

SHEET TOTAL:	1026	SY
---------------------	-------------	-----------

SUBTOTAL:	1026	SY
------------------	-------------	-----------

SAY TOTAL:	1026	SY
-------------------	-------------	-----------

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By:	B. Warthling
Date:	08/14/2025
Chk:	A. Estabrooks
Date:	09/12/2025

ITEM NO.: 557.29

DESCRIPTION: WINTER SURFACE TREATMENT - SUPERSTRUCTURE SLABS AND STRUCTURAL APPROACH SLABS
 UNIT: SY

Used for:

Refer to: ST-22, ST-30, & ST-31

Superstructure Slab Pour 1

Same as 557.1119: 644 sy

Superstructure Slab Pour 2

Same as 557.1119: 382 sy

Begin Approach Slab

Same as 557.1019: 66.1 sy

Begin Sleeper Slab

Same as 557.1019: 26.9 sy

End Approach Slab

Same as 557.1019: 66.1 sy

End Sleeper Slab

Same as 557.1019: 26.9 sy

SHEET TOTAL: 1211.7 SY

SUBTOTAL: 1211.7 SY

SAY TOTAL: 1215 SY

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
Date: 08/14/2025
Chk: A. Estabrooks
Date: 09/12/2025

ITEM NO.: 558.02

DESCRIPTION: LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE

UNIT: SY

Used for:

Refer to: ST-22, ST-30, & ST-31

Superstructure Slab - Pour 1

Clear Width:	40	ft
Bridge Begin:	NM 09+92.43	
Bridge End:	NM 12+07.13	
Total Slab Length:	214.7	ft
Pour 2 Length:	80	ft
Pour 1 Length:	134.7	ft
Total Slab Area:	5388	sf
	599	sy

Superstructure Slab - Pour 2

Clear Width:	40	ft
Pour 2 Length:	80	ft
Total Slab Area:	3200	sf
	356	sy

Begin Approach

Approach Slab Begins:	NM 09+77.43	
Approach Slab Ends:	NM 09+92.43	
Approach Slab Length:	15	ft
Approach Slab Width:	39.67	ft
Approach Slab Area:	595	sf
	66.1	sy

Begin Sleeper

Width:	39.67	
Length:	2	ft (perpendicular to skew)
Skew:	10.38	deg
Adjusted Length:	2.03	ft (along station line)
Sleeper Slab Area:	81	sf
	9.0	sy

End Approach

Approach Slab Begins:	NM 12+07.13	
Approach Slab Ends:	NM 12+22.12	
Approach Slab Length:	14.99	ft
Approach Slab Width:	39.67	ft
Approach Slab Area:	595	sf
	66.1	sy

End Sleeper

Width:	39.67	
Length:	2	ft (perpendicular to skew)
Skew:	10.38	deg
Adjusted Length:	2.03	ft (along station line)
Sleeper Slab Area:	81	sf
	9.0	sy

SHEET TOTAL: 1104.3 SY

SUBTOTAL: 1104.3 SY

SAY TOTAL: 1110 SY

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
Date: 08/14/2025
Chk: A. Estabrooks
Date: 09/12/2025

ITEM NO.: 559.01

DESCRIPTION: Protective Sealing of Structural Concrete on New Bridge, Decks and Bridge Deck Overlays
UNIT: SF

Used for:

Refer to: ST-22, ST-30, & ST-31

Superstructure Slab - Pour 1

Clear Width:	40	ft
Bridge Begin:	NM 09+92.43	
Bridge End:	NM 12+07.13	
Total Slab Length:	214.7	ft
Pour 2 Length:	80	ft
Pour 1 Length:	134.7	ft
Total Slab Area:	5388	sf

Superstructure Slab - Pour 2

Clear Width:	40	ft
Pour 2 Length:	80	ft
Total Slab Area:	3200	sf

Begin Approach

Approach Slab Begins:	NM 09+77.43	
Approach Slab Ends:	NM 09+92.43	
Approach Slab Length:	15	ft
Approach Slab Width:	39.67	ft
Approach Slab Area:	595	sf

Begin Sleeper

Width:	39.67	
Length:	2	ft (perpendicular to skew)
Skew:	10.38	deg
Adjusted Length:	2.03	ft (along station line)
Sleeper Slab Area:	81	sf

End Approach

Approach Slab Begins:	NM 12+07.13	
Approach Slab Ends:	NM 12+22.12	
Approach Slab Length:	15	ft
Approach Slab Width:	39.67	ft
Approach Slab Area:	595	sf

End Sleeper

Width:	39.67	
Length:	2	ft (perpendicular to skew)
Skew:	10.38	deg
Adjusted Length:	2.03	ft (along station line)
Sleeper Slab Area:	81	sf

SHEET TOTAL:	9939 SF
---------------------	----------------

SUBTOTAL:	9939 SF
------------------	----------------

SAY TOTAL:	9940 SF
-------------------	----------------

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
Date: 08/14/2025
Chk: A. Estabrooks
Date: 09/12/2025

ITEM NO.: 559.02

DESCRIPTION: Protective Sealing of New Structural Concrete
UNIT: SF

Used for:

Refer to: ST-10, ST-13, ST-16, ST-22, & ST-33

Single Slope Barriers

Barrier Length:	216.05	ft
Top Width:	10	in
Inside Face Height:	3.5	ft
Width of Slope:	8	in
Sloped length of face:	3.56	ft
Ext. Face Height:	3.25	ft
Fascia Depth:	1.42	ft
Length to Drip Groove:	9.50	in
Perimeter per foot of barrier:	9.85	ft
Area per barrier:	2129	sf
Number of Barriers:	2	
Total Area:	4258	sf

Begin Abutment

Face of Abutment

Face Length:	43.7	ft
Max EL:	455.96	
Min EL at BAL:	455.5	
Min EL at BAR:	455.45	
Average Ground Line EL:	451.33	
Average Exposed Height:	4.39	
Area:	192	sf

Face of BAL - Full Height Area

Face Length:	2.17	ft
Max EL:	457.16	
Average Ground Line EL:	451.5	
Average Exposed Height:	5.66	ft
Area:	12.3	sf

Face of BAL - Sloped Area:

Face Length:	5.81	ft
Max EL:	457.16	
Min EL:	454.02	
Average Ground Line EL:	452.1	
Average Exposed Height:	3.49	ft
Area:	20.3	sf

Top of BAL - Full Height Area

Front Length:	2.17	ft
Rear Length:	2.71	ft
Width:	3	ft
Area:	7.31	sf

SHEET TOTAL:	4258	SF
---------------------	-------------	-----------

SUBTOTAL:	4258	SF
------------------	-------------	-----------

SHEET 1 OF 4

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/14/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 559.02

DESCRIPTION: Protective Sealing of New Structural Concrete

UNIT: SF

Top of BAL - Sloped Area

Length:	5.81	ft
Max EL:	457.16	
Min EL:	454.02	
Length Along Slope:	6.61	ft
Width:	3	ft
Area:	19.8	sf

Face of BAR - Full Height Area

Face Length:	3.27	ft
Max EL:	457.1	
Average Ground Line EL:	451.5	
Average Exposed Height:	5.6	ft
Area:	18.3	sf

Face of BAR - Sloped Area:

Face Length:	6.71	ft
Max EL:	457.1	
Min EL:	453.62	
Average Ground Line EL:	452	
Average Exposed Height:	3.36	ft
Area:	22.5	sf

Top of BAR - Full Height Area

Front Length:	3.27	ft
Rear Length:	2.71	ft
Width:	3	ft
Area:	8.97	sf

Top of BAR - Sloped Area

Length:	6.71	ft
Max EL:	457.1	
Min EL:	453.62	
Length Along Slope:	7.56	ft
Width:	3	ft
Area:	22.7	sf

Total Begin Abutment: 324 sf

SHEET TOTAL: 324 SF

SUBTOTAL: 4582 SF

SHEET 2 OF 4

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/14/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 559.02

DESCRIPTION: Protective Sealing of New Structural Concrete
UNIT: SF

Pier 1

Length: 43
 Thickness: 4
 T/ Stem EL: 451.68
 Approx. Ground Line: 434.4
 Average Exposed Height: 17.28
 Stem Area: 1720 sf (includes exposed vertical faces and top of stem minus plan area of pedestals)
 T/ Stem EL: 451.68

	EL	Height	Length	Width	Plan Area	Perimeter Area	Seal Area
G1 Pedestal:	452.18	0.5	4	4.02	16.1	8.0	24.1
G2 Pedestal:	452.37	0.69	4	3.67	14.7	10.6	25.2
G3 Pedestal:	452.56	0.88	4	3.67	14.7	13.5	28.2
G4 Pedestal:	452.37	0.69	4	3.67	14.7	10.6	25.2
G5 Pedestal:	452.18	0.5	4	4.02	16.1	8.0	24.1
Total Pedestal Area:						126.9	

Total Pier 1 Area: 1847 sf

End Abutment

Face of Abutment

Face Length: 43.7 ft
 Max EL: 455.96
 Min EL at EAR: 455.51
 Min EL at EAL: 455.45
 Average Ground Line EL: 451.33
 Average Exposed Height: 4.39
 Area: 192 sf

Face of EAR - Full Height Area

Face Length: 2.17 ft
 Max EL: 457.16
 Average Ground Line EL: 451.5
 Average Exposed Height: 5.66 ft
 Area: 12.3 sf

Face of EAR - Sloped Area:

Face Length: 6.85 ft
 Max EL: 457.16
 Min EL: 453.51
 Average Ground Line EL: 451.9
 Average Exposed Height: 3.435 ft
 Area: 23.5 sf

Top of EAR - Full Height Area

Front Length: 2.17 ft
 Rear Length: 2.71 ft
 Width: 3 ft
 Area: 7.31 sf

SHEET TOTAL: 1847.0 SF

SUBTOTAL: 6429.2 SF

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/14/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 559.02

DESCRIPTION: Protective Sealing of New Structural Concrete
UNIT: SF

Top of EAR - Sloped Area

Length:	6.85	ft
Max EL:	457.16	
Min EL:	453.51	
Length Along Slope:	7.77	ft
Width:	3	ft
Area:	23.3	sf

Face of EAL - Full Height Area

Face Length:	3.27	ft
Max EL:	457.1	
Average Ground Line EL:	451.3	
Average Exposed Height:	5.8	ft
Area:	19.0	sf

Face of EAL - Sloped Area:

Face Length:	7.23	ft
Max EL:	457.1	
Min EL:	453.38	
Average Ground Line EL:	451.9	
Average Exposed Height:	3.34	ft
Area:	24.1	sf

Top of EAL - Full Height Area

Front Length:	3.27	ft
Rear Length:	2.71	ft
Width:	3	ft
Area:	8.97	sf

Top of EAL - Sloped Area

Length:	7.23	ft
Max EL:	457.1	
Min EL:	453.38	
Length Along Slope:	8.13	ft
Width:	3	ft
Area:	24.4	sf

Total End Abutment: 335 sf

SHEET TOTAL: 334.8 SF

SUBTOTAL: 6763.9 SF

SAY TOTAL: 6800 SF

SHEET 4 OF 4

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/14/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 564.0501

DESCRIPTION: STRUCTURAL STEEL, TYPE 1
 UNIT: LS

Used for:

Refer to: Steel details

Lump Sum: 1

SHEET TOTAL: 1 LS

SUBTOTAL: 1 LS

SAY TOTAL: 1 LS

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: A. Estabrooks
 Date: 02/14/2025
 Chk: B. Warthling
 Date: 08/13/2025

ITEM NO.: 565.2035

DESCRIPTION: TYPE E.B EXPANSION BEARING (OVER 225 KIPS)
 UNIT: EACH

Used for:

Refer to: ST-21

Number of Bearings: 5

SHEET TOTAL:	5	EACH
--------------	---	------

SUBTOTAL:	5	EACH
-----------	---	------

SAY TOTAL:	5	EACH
------------	---	------

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: A. Estabrooks
 Date: 02/14/2025
 Chk: B. Warthling
 Date: 08/13/2025

ITEM NO.: 567.60

DESCRIPTION: ARMORLESS BRIDGE JOINT SYSTEM
 UNIT: LF

Used for:

Refer to: ST-32

Slab Width:	39.67	ft
Slab Skew:	10.38	Deg
Joint Length:	40.33	ft
Number of Joints:	2	
Total Joint Length:	80.7	ft

SHEET TOTAL: 80.7 LF

SUBTOTAL: 80.7 LF

SAY TOTAL: 81 LF

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: A. Estabrooks
 Date: 02/14/2025
 Chk: B. Warthling
 Date: 08/13/2025

ITEM NO.: 568.70

DESCRIPTION: TRANSITION BRIDGE RAILING
 UNIT: LF

Used for:

Refer to: ST-34

Length of Transition:	40	ft
Number of Transitions:	4	
Total Length of Transition Rail	160	ft

SHEET TOTAL:	160	LF
--------------	-----	----

SUBTOTAL:	160	LF
-----------	-----	----

SAY TOTAL:	160	LF
------------	-----	----

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/14/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 569.04

DESCRIPTION: SINGLE SLOPE (HALF SECTION) CONCRETE BRIDGE BARRIER
UNIT: LF

Used for:

Refer to: ST-33

Barrier Length:	216.1	ft
Number of Barriers:	2	
Total Length of Barriers:	432.1	ft

SHEET TOTAL: 432.1 LF

SUBTOTAL: 432.1 LF

SAY TOTAL: 433 LF

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/14/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 570.01

DESCRIPTION: LEAD EXPOSURE CONTROL PLAN
 UNIT: LS

Used for:

Refer to:

Lump sum: 1

SHEET TOTAL:	1	LS
---------------------	----------	-----------

SUBTOTAL:	1	LS
------------------	----------	-----------

SAY TOTAL:	1	LS
-------------------	----------	-----------

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By:	B. Warthling
Date:	08/14/2025
Chk:	A. Estabrooks
Date:	09/12/2025

ITEM NO.: 570.02

DESCRIPTION: MEDICAL TESTING
 UNIT: DC

Used for:

Refer to:

Qty: 3000 (per EI 05-039)

SHEET TOTAL:	3000	DC
--------------	------	----

SUBTOTAL:	3000	DC
-----------	------	----

SAY TOTAL:	3000	DC
------------	------	----

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By:	B. Warthling
Date:	08/14/2025
Chk:	A. Estabrooks
Date:	09/12/2025

ITEM NO.: **570.03**

DESCRIPTION: **PERSONAL EXPOSURE MONITORING SAMPLE ANALYSIS**
 UNIT: DC

Used for:

Refer to:

Qty: 3000 (per EI 05-039)

SHEET TOTAL:	3000	DC
---------------------	-------------	-----------

SUBTOTAL:	3000	DC
------------------	-------------	-----------

SAY TOTAL:	3000	DC
-------------------	-------------	-----------

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By:	B. Warthling
Date:	08/14/2025
Chk:	A. Estabrooks
Date:	09/12/2025

ITEM NO.: 570.04

DESCRIPTION: DECONTAMINATION FACILITIES
 UNIT: CW

Used for:

Refer to:

Qty: 2 weeks (assumed)

SHEET TOTAL:	2	CW
--------------	---	----

SUBTOTAL:	2	CW
-----------	---	----

SAY TOTAL:	2	CW
------------	---	----

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By:	B. Warthling
Date:	08/14/2025
Chk:	A. Estabrooks
Date:	09/12/2025

ITEM NO.: 570.09

DESCRIPTION: ENVIRONMENTAL GROUND PROTECTION
 UNIT: LS

Used for:

Refer to:

Lump Sum: 1

SHEET TOTAL:	1	LS
--------------	---	----

SUBTOTAL:	1	LS
-----------	---	----

SAY TOTAL:	1	LS
------------	---	----

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/14/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 571.03

DESCRIPTION: DISPOSAL OF HAZARDOUS PAINT WASTE CONTAINING LEAD
 UNIT: LB

Used for:

Refer to:

10000 sf = 8 55 gal drums = 500 lb

Girder Size: 33WF130

Paint perimeter: 110 in

Assume removal length at cut: 3 ft

Assume number of cuts: 4

Number of girders: 5

Paint Removal Area: 550 sf

Conservatively increase by: 30% for unknown field conditions

715 sf

Number of 55 gal drums per 10000sf paint removed: 8 (per EI 12-012)

Number of Drums Req'd: 0.572

1 Drum = 500 lb of waste

Pounds of waste: 286 lb of waste

Say: 300 lb

SHEET TOTAL: 300 LB

SUBTOTAL: 300 LB

SAY TOTAL: 300 LB

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By:	B. Warthling
Date:	08/14/2025
Chk:	A. Estabrooks
Date:	09/12/2025

ITEM NO.: 572.00020125

DESCRIPTION: METALIZING, TYPE 1
 UNIT: LS

Used for:

Refer to: Framing Plan

Lump Sum = 1

SHEET TOTAL:	1	LS
--------------	---	----

SUBTOTAL:	1	LS
-----------	---	----

SAY TOTAL:	1	LS
------------	---	----

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/14/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 607.06120025

DESCRIPTION: PROTECTIVE SCREENING (SNOW FENCE - 6'-9" HEIGHT)
 UNIT: LF

Used for:

Refer to: ST-02 & ST-38

Out to Out of Thruway Shoulders below Bridge:	114.83	ft
Minimum distance past Shoulders:	10	ft
Total Snow Fence Length per Fascia:	134.83	ft
Number of Fascia:	2	
Total Snow Fence Length:	269.66	ft

SHEET TOTAL: 269.7 LF

SUBTOTAL: 269.7 LF

SAY TOTAL: 270 LF

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/14/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 609.0301

DESCRIPTION: STONE CURB - BRIDGE (TYPE A)
 UNIT: LF

Used for:
 Refer to: ST-39

Southeast Quadrant	21	ft
Southwest Quadrant	14	ft
Northeast Quadrant	23.1	ft
Northwest Quadrant	14	ft
Total:	72.1	ft

SHEET TOTAL: 72.1 LF

SUBTOTAL: 72.1 LF

SAY TOTAL: 73 LF

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 03/17/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 620.03

DESCRIPTION: STONE FILLING (LIGHT)

UNIT: CY

Used for:

Refer to: Approach Drainage

Thickness:	1	ft
Width:	7.67	ft
Plan Length:	22.4	ft (assumed 1/4 perimeter of 14'-3" radius)
Side Slope:	2:1	
Slope Length:	25.0	ft
<hr/>		
Volume:	192	cf
	7.11	cy
Number of Quadrants:	4	
Total Volume:	28.4	cy

SHEET TOTAL: 28.4 CY

SUBTOTAL: 28.4 CY

SAY TOTAL: 30 CY

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/14/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 620.0802

DESCRIPTION: BEDDING MATERIAL, TYPE 2
 UNIT: CY

Used for:

Refer to: Earthwork Drawings

Begin Abutment

Thickness:	0.75	ft
Bridge Width:	43	ft
Extend past fascia:	3	ft
Total Width:	49	ft

Berm

Length:	3.67	ft
Volume:	135	cf

1:2 Area

Length:	24	ft
Adjust for Slope:	26.8	ft
Volume:	986	cf

1:4 Area

Length:	16	ft
Adjust for Slope:	16.5	ft
Volume:	606	cf

Near Existing Pier/shoulder

Length:	3.5	ft (approximate)
Volume:	129	

Total Volume:	1856	cf
	68.7	cy
SAY:	80	cy

End Abutment

-End abutment volume is similar to begin abutment

Total Volume:	80	cy
---------------	----	----

Approach Drainage

Thickness:	0.75	ft
Width:	7.67	ft
Plan Length:	22.4	ft (assumed 1/4 perimeter of 14'-3" radius)
Side Slope:	2:1	
Slope Length:	25.0259	ft
Volume:	143.9	cf
	5.33	cy

Number of Quadrants:	4	
Total Volume:	21.3	cy

SHEET TOTAL:	181.3	CY
--------------	-------	----

SUBTOTAL:	181.3	CY
-----------	-------	----

SAY TOTAL:	190	CY
------------	-----	----

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/14/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 625.01

DESCRIPTION: SURVEY OPERATIONS
 UNIT: LS

Used for:

Refer to:

Lump sum: 1

SHEET TOTAL:	1	LS
--------------	---	----

SUBTOTAL:	1	LS
-----------	---	----

SAY TOTAL:	1	LS
------------	---	----

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/14/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 637.04

DESCRIPTION: Concrete Cylinder Curing Equipment
 UNIT: EACH

Used for:

Refer to:

Qty: 1

SHEET TOTAL:	1	EACH
--------------	---	------

SUBTOTAL:	1	EACH
-----------	---	------

SAY TOTAL:	1	EACH
------------	---	------

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By:	B. Warthling
Date:	08/14/2025
Chk:	A. Estabrooks
Date:	09/12/2025

ITEM NO.: 637.13000025

DESCRIPTION: ENGINEERS FIELD OFFICE - TYPE 3
 UNIT: MO

Used for:

Refer to:

Qty: 16 months (assumed)

SHEET TOTAL:	16	MO
--------------	----	----

SUBTOTAL:	16	MO
-----------	----	----

SAY TOTAL:	16	MO
------------	----	----

SHEET 1 OF 1

QUANTITY WORKUP

MP 257.09 (North Main Street over I-90)

Job Title: North Main Bridge over Thruway (MP 257.09) Bridge Replacement
 TA: TAS 25-30B
 County: Madison

By: B. Warthling
 Date: 08/14/2025
 Chk: A. Estabrooks
 Date: 09/12/2025

ITEM NO.: 645.61000125

DESCRIPTION: INSTALL OVERHEAD SIGN PANELS (AUTHORITY SUPPLIED)

UNIT: SF

Used for: Bridge mounted street sign

Refer to: Miscellaneous Details & Sign Face Layout

Quantity:	2	(one per fascia)
Length:	84	in (assumed similar to Townline Road, revise when sign face layout rec'd)
Height:	24	in (assumed similar to Townline Road, revise when sign face layout rec'd)
Area:	28.0	sf

SHEET TOTAL:	28.0	SF
--------------	------	----

SUBTOTAL:	28.0	SF
-----------	------	----

SAY TOTAL:	28	SF
------------	----	----

SHEET 1 OF 1