



Wisconsin Department of Transportation

October 6, 2022

Division of Transportation Systems Development
Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

- | | |
|---|---|
| <p>Proposal #03: 1229-04-71, WISC 2023001
 City Glendale, N Port Washington Rd
 Bender Rd to W Daphne Rd
 Local Street
 Milwaukee County</p> | <p>1229-04-72, WISC 2023002
 I-43 North-South Freeway
 Union Pacific RR Bridge B-40-921
 IH-43
 Milwaukee County</p> |
| <p>1229-04-73, WISC 2023003
 I-43 North-South Freeway Bender Rd
 to Brown Deer Rd
 IH-43
 Milwaukee County</p> | <p>1229-04-77
 C Glendale, Green Bay Road
 Intersection with Range Line Rd
 STH 57
 Milwaukee County</p> |

Letting of October 11, 2022

This is Addendum No. 03, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
5	Prosecution and Progress
7	Traffic
312	Excavation, Hauling, and Disposal of Solid Waste Soil, Item SPV.0195.4005

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
205.0100	Excavation Common	CY	744,040	-11,305	732,735
311.0110	Breaker Run	TON	445,608	11,622	456,470
501.1000.S	Ice Hot Weather Concreting	LB	61,718	-1,080	60,638
504.0500	Concrete Masonry Retaining Walls	CY	5,120	-143	4,977
715.0502	Incentive Strength Concrete Structures	DOL	25,078	-858	24,220
SPV.0035.4005	Concrete Masonry Soldier Pile Footings	CY	894	-83	811
SPV.0195.4005	Excavation, Hauling, and Disposal of Solid Waste Soil	TON	7,560	19,220	26,780

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
1665	Miscellaneous Quantities – 1229-04-72 Earthwork Table Updated
1701	Miscellaneous Quantities – Updated Breaker Run Quantity
2869	Structures – Revised Typical Wall Excavation Limits Diagram
2881	Structures – Revised notes in Elevation View
2884	Structures – Revised Quantity Table
2917	Structures – Revised Quantity Table
2973	Structures – Revised Typical Wall Excavation Limits Diagram

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 03

1229-04-71, 1229-04-72, 1229-04-73, 1229-04-77

October 6, 2022

Special Provisions

5. Prosecution and Progress.

*Add the following bullet to “Freeway and Ramp Construction” under section titled **Stage 2A Construction**:*

- Contractor shall stage the access to the southbound Good Hope entrance ramp. Contractor is allowed a three-day closure of the southbound Good Hope entrance ramp to complete construction of the new southbound entrance ramp and eastbound pavement. Offset the three-day closure with any southbound entrance ramp closures at Brown Deer Rd.

*Replace paragraph one under section titled **T. Railroad Construction Coordination** with the following:*

Notify the railroad 90 days in advance of completing the construction of the offset alignment track. This will allow the railroad to mobilize their crew to complete their work. The railroad will take the track out of service and throw the track to the offset alignment track built by the contractor.

Add the following section:

U. Access to Railroad Right-of-Way

Upon contract execution, the contractor may access UPRR right-of-way to perform all work outside of 25 feet from the centerline of the railroad’s active track. The contractor will have access to perform work within 25 feet of the centerline of the railroad’s active track, consistent with the railroad coordination and flagging requirements elsewhere in these special provisions, no later than February 1, 2023.

7. Traffic.

*Replace last two bullets in **Stage 1A Traffic** “Freeway and Ramps” with the following:*

- Close SB Brown Deer Loop ramps after installation of temporary signal for the southbound Brown Deer Ramps, maintain full access for the southbound Brown Deer ramps at all times, Short term closures (2 days maximum) on SB to EB and WB to SB Ramp movements are anticipated for connection to temporary pavement. Closures cannot overlap with Good Hope Road ramp closures.

*Replace bullets 7 and 8 in **Stage 2A Traffic** “Freeway and Ramps” with the following:*

- Brown Deer Road interchange ramps (SB to EB, WB to SB, and EB to NB) are closed to traffic.
- Brown Deer Road interchange ramps (NB to EB, NB to WB, WB to NB, SB to WB, and EB to SB) are open to traffic.

*Replace bullets 7 and 8 in **Stage 2B Traffic** “Freeway and Ramps” with the following:*

- Brown Deer Road interchange ramps (SB to EB, WB to SB, and EB to NB) are closed to traffic.
- Brown Deer Road interchange ramps (NB to EB, NB to WB, WB to NB, SB to WB, and EB to SB) are open to traffic.

Replace bullets 7 and 8 in **Stage 2C Traffic** “Freeway and Ramps” with the following:

- Brown Deer Road interchange ramps (SB to EB, WB to SB, and EB to NB) are closed to traffic.
- Brown Deer Road interchange ramps (NB to EB, NB to WB, WB to NB, SB to WB, and EB to SB) are open to traffic.

Replace bullets 6 and 7 in **Stage 2D Traffic** “Freeway and Ramps” with the following:

- Brown Deer Road interchange ramps (SB to EB, WB to SB, and EB to NB) are closed to traffic.
- Brown Deer Road interchange ramps (NB to EB, NB to WB, WB to NB, SB to WB, and EB to SB) are open to traffic.

Delete bullet ten in **Stage 2D Traffic** “Local Roads”.

Replace bullet 8 in **Stage 3A Traffic** “Freeway and Ramps” with the following:

- Brown Deer interchange SB ramps are open to traffic on existing ramps, construct temporary traffic signal before opening the ramps to full access.

Replace bullet 6 in **Stage 3B Traffic** “Freeway and Ramps” with the following:

- Brown Deer interchange SB ramps are open to traffic on existing ramps.

312. Excavation, Hauling, and Disposal of Solid Waste Soil, Item SPV.0195.4005.

Add the following to paragraph one under section titled **A Description**:

4. 81UPRR+77 to 125UPRR+27, from approximately UPRR right-of-way limits left to UPRR right-of-way limits right, from approximately 0 to 6+ feet below existing grade.

Schedule of Items

Attached, dated October 6, 2022, are the revised Schedule of Items Pages 6, 7, 9, 10, 45, 46, and 66.

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 1665, 1701, 2869, 2881, 2884, 2917, 2973

END OF ADDENDUM

EARTHWORK SUMMARY

STAGE	ROADWAY	STATION TO STATION	COMMON EXCAVATION		CY	TON	310.0110 BREAKER RUN TON	SPV.0035-0001 ROADWAY EMBANKMENT CY	209.1100 BACKFILL GRANULAR (GRADE 1) CY
			CUT	EBS EXCAVATION					
DIVISION 1									
PHASE 1A	PERM EMBANKMENT - UPRR EXIST MAIN	80+00 - 97+95	0	0	0	14	0	0	41,731
PHASE 1A	PERM EMBANKMENT - UPRR EXIST MAIN	101+10 - 126+00	0	0	0	8,167	0	0	22,909
PHASE 1C	PERM EMBANKMENT - UPRR EXIST MAIN	80+00 - 97+95	0	0	0	1,430	0	0	1,324
PHASE 1C	PERM EMBANKMENT - UPRR EXIST MAIN	101+10 - 126+00	0	0	0	4,104	0	0	0
DIVISION 1 SUBTOTAL			0	0	0	13,715	0	0	65,964
DIVISION 2									
PHASE 1A	TEMP EMBANKMENT - NW ACCESS ROAD	10+00 - 23+22	0	0	0	741	0	19,288	0
PHASE 1A	TEMP EMBANKMENT - NE ACCESS ROAD	9+60 - 31+82	0	0	0	923	0	4,804	0
DIVISION 2 SUBTOTAL			0	0	0	1,664	0	24,092	0
DIVISION 3									
PHASE 1C	TEMP EMBANKMENT - NW ACCESS ROAD	10+00 - 23+22	18,601	0	0	2,965	0	398	0
PHASE 1C	TEMP EMBANKMENT - NE ACCESS ROAD	9+60 - 31+82	5,491	0	0	876	0	378	0
DIVISION 3 SUBTOTAL			24,092	0	0	3,841	0	776	0
UNDISTRIBUTED			0	0	0	0	760	0	0
GRAND TOTAL			24,092	0	0	19,220	760	24,868	65,964

Addendum No. 03
 ID 1229-04-71/72/73/77
 Revised Sheet 1665
 October 6, 2022

- NOTES:
- (1) EXCAVATION COMMON = CUT + EBS EXCAVATION. ITEM NUMBER 205.0100.
 - (2) EBS EXCAVATION TO BE BACKFILLED WITH BREAKER RUN. ALL EBS MATERIAL IS ASSUMED TO BE WASTED OFFSITE.
 - (3) ROADWAY EMBANKMENT = UNEXPANDED FILL
 - (4) ACCESS ROADS WILL BE CONSTRUCTED AND THEN REMOVED UPON PROJECT COMPLETION.
- EARTHWORK QUANTITIES FOR ACCESS ROADS MAY SHOW AS NET ZERO (TOTAL EXCAVATION = TOTAL FILL), BUT ARE ACCOUNTED FOR IN OVERALL PROJECT TOTALS.

ALL ITEMS CATEGORY 1010
 UNLESS OTHERWISE NOTED

Addendum No. 03
 ID 1229-04-71/72/73/77
 Revised Sheet 1701
 October 6, 2022

(CONTINUED FROM PREVIOUS PAGE)

BASE AND SUBBASE ITEMS (CONTINUED)

CATEGORY	STAGE	ROADWAY	STATION TO STATION		OFFSET	305.0110			371.2000.S			211.0400	
			TON	TON		TON	TON	TON	TON	TON	TON		
			3/4-INCH	1 1/4-INCH		BASE	AGGREGATE	DENSE	OMP	BASE	AGGREGATE	DENSE	PREPARE
			AGGREGATE	AGGREGATE		AGGREGATE	DENSE	DENSE	FOUNDATION	AGGREGATE	DENSE	DENSE	FOUNDATION
			TON	TON		TON	TON	TON	TON	TON	TON	TON	TON
			FOR	FOR		FOR	FOR	FOR	FOR	FOR	FOR	FOR	FOR
			ASPHALTIC	ASPHALTIC		ASPHALTIC	ASPHALTIC	ASPHALTIC	ASPHALTIC	ASPHALTIC	ASPHALTIC	ASPHALTIC	ASPHALTIC
			SHOULDERS	SHOULDERS		SHOULDERS	SHOULDERS	SHOULDERS	SHOULDERS	SHOULDERS	SHOULDERS	SHOULDERS	SHOULDERS
			STA	STA		STA	STA	STA	STA	STA	STA	STA	STA
1000	3	<u>IL43.NB/SB</u>	1051+00 - 1077+86 1173+57 - 1183+63			3,355	--	9,060	--	3,355	--	9,060	--
1000	3	<u>IL43.NB</u>	1078+88 - 1154+00 1078+88 - 1095+90			5,483	--	11,204	--	2,920	--	6,729	--
1000	3	<u>IL43.SB</u>	1078+88 - 1154+00 1185+00 - 1282+50 1238+00 - 1242+00 1260+00 - 1265+00			5,957	--	12,380	--	25,615	--	61,477	--
		RAMPS											
1000	3	<u>BROWN/DEER.RAMP.A</u>	1250BD+50 - 1252BD+65			746	--	1,469	--				
1000	3	<u>BROWN/DEER.RAMP.C</u>	1232BDC+38 - 1238BDC+21 1238BDC+21 - 1249BDC+36			999	--	2,764	--	2,875	--	7,544	--
1000	3	<u>BROWN/DEER.RAMP.D</u>	1252BDD+38 - 1262BDD+96 1262BDD+96 - 1265BDD+00			2,033	--	4,695	--	543	--	624	--
		LOCAL ROADS											
1000	3	<u>BROWN/DEER.RAMP</u>	605BD+15 - 616BD+89 618BD+58 - 628BD+75			1,833	--	4,152	--	1,694	--	3,257	--
1000	3	<u>PHEASANT.LANE</u>	11PHBD-N+51 - 16PHBD-N+50			62	--	1,043	--				
		STAGE 3 SUBTOTAL				56,101	0	128,043	0				
		MAINLINE											
1000	4	<u>IL43.NB</u>	1176+11 - 1185+02			237	--	317	--				
1000	4	<u>IL43.SB</u>	1078+88 - 1185+03			2,119	--	48,145	--				
		RAMPS											
1000	4	<u>RAMP.C</u>	1119GHC+33 - 1132GHC+38 1132GHC+38 - 1144GHC+35			1,517	--	3,467	--	2,727	--	5,372	--
1000	4	<u>RAMP.D</u>	1146GHD+73 - 1156GHD+42 1156GHD+42 - 1168GHD+23			1,815	--	3,465	--	1,350	--	2,904	--

BASE AND SUBBASE ITEMS (CONTINUED)

CATEGORY	STAGE	ROADWAY	STATION TO STATION		OFFSET	305.0110			371.2000.S			211.0400	
			TON	TON		TON	TON	TON	TON	TON	TON		
			3/4-INCH	1 1/4-INCH		BASE	AGGREGATE	DENSE	OMP	BASE	AGGREGATE	DENSE	PREPARE
			AGGREGATE	AGGREGATE		AGGREGATE	DENSE	DENSE	FOUNDATION	AGGREGATE	DENSE	DENSE	FOUNDATION
			TON	TON		TON	TON	TON	TON	TON	TON	TON	TON
			FOR	FOR		FOR	FOR	FOR	FOR	FOR	FOR	FOR	FOR
			ASPHALTIC	ASPHALTIC		ASPHALTIC	ASPHALTIC	ASPHALTIC	ASPHALTIC	ASPHALTIC	ASPHALTIC	ASPHALTIC	ASPHALTIC
			SHOULDERS	SHOULDERS		SHOULDERS	SHOULDERS	SHOULDERS	SHOULDERS	SHOULDERS	SHOULDERS	SHOULDERS	SHOULDERS
			STA	STA		STA	STA	STA	STA	STA	STA	STA	STA
1000	4	<u>BROWN/DEER.RAMP</u>	605BD+15 - 615BD+89 619BD+63 - 630BD+41			154	--	352	--	277	--	352	--
1000	4	<u>JEAN/COILET.RAMP</u>	25NH+51 - 46NH+00 25NH+51 - 62NH+12 41NH+70 - 45NH+46			5,279	--	4,178	--	4,178	--	359	--
1000	4	<u>PHEASANT.LANE</u>	101PHBD-S+50 - 104PHBD-S+00			128	--	816	--			343	--
1000	4	<u>AGACIA.RAMP</u>	10AA+75 - 11AA+83			237	--	--	--			--	--
1000	4	<u>APPLE TREE.RAMP</u>	11AW+10 - 11AW+83			184	--	--	--			--	--
1000	4	<u>DAPHNE.RAMP</u>	10DW+95 - 11DW+83			233	--	--	--			--	--
		STAGE 4 SUBTOTAL				40,554	0	64,365	0			64,365	0
		UNDISTRIBUTED				19	8,981	3	0	19,574		19,574	0
		TOTALS				209	223,036	0	455,710	0		455,710	70

BASE PATCHING CONCRETE

CATEGORY	STAGE	ROADWAY	STATION TO STATION		OFFSET	SY
			TON	TON		
		LOCAL ROADS				
1000	2	<u>PORT WASHINGTON.RAMP</u>	200PNGH+03 - 200PNGH+19 207PSGH+43 - 207PSGH+54			390.0303
		STAGE 2 SUBTOTAL				81
		TOTALS				81

ALL ITEMS CATEGORY 1000
 UNLESS OTHERWISE NOTED

SHEET: 1701

PROJECT NO: 1229-04-73
 COUNTY: MILWAUKEE
 HWY: IH 43

MISCELLANEOUS QUANTITIES

PROJECT NAME: 025894_M02
 PLOT NAME: 025894_M02
 PLOT DATE: 10/5/2022 3:15:40 PM
 PLOT BY: CECELIA TCHIELAR

E

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
 COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY CORONATE SYSTEM (WCS). MILWAUKEE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).
 ALL STATIONS AND DIMENSIONS ARE ALONG THE FRONT FACE OF WALL, UNLESS SHOWN OTHERWISE.
 THESE PLANS ARE FOR A SOLDIER PILE RETAINING WALL UNITS 1 AND 5. A SECANT PILE RETAINING WALL UNITS 2 PRECAST CONCRETE FACING WALL PANELS UNIT 3.

BEVER EXPONDED EDGES OF CONCRETE 3/4" UNLESS NOTED OTHERWISE.
 BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER, UNLESS SHOWN OTHERWISE.
 ALL BAR STEEL REINFORCEMENT WITHIN CAST-IN-PLACE CONCRETE FACING, ANCHOR SLABS, AND COPING SHALL BE EPOXY COATED.
 THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK IDENTIFY THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT OF BAR.
 THE EXISTING GROUND LINE SHALL BE THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-641".

THE GEOTECHNICAL DATA PROVIDED FOR THIS STRUCTURE IN THE GEOTECHNICAL SITE INVESTIGATION REPORT SHALL BE USED IN CONJUNCTION WITH THE SUBSURFACE EXPLORATION AND GEOTECHNICAL DATA SHOWN IN THE PLANS.
 THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AND STORM SEWER AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.
 NAME PLATE SHALL BE CONSIDERED INCIDENTAL TO BID ITEM "CONCRETE MASONRY RETAINING WALLS". FABRICATE IN ACCORDANCE TO 303A.12 & 3-10.

WALL ANCHOR SLAB AND COPING EXPANSION JOINTS TO MATCH ALL WALL FACING EXPANSION AND CONTRACTION JOINTS.
 THE QUANTITIES OF CONCRETE MASONRY AND BAR STEEL REINFORCEMENT IN CAST-IN-PLACE ANCHOR SLABS, COPING AND FENCING SHALL BE THE QUANTITIES OF CONCRETE MASONRY RETAINING WALL AND BAR STEEL REINFORCEMENT IN COATED STRUCTURES, RESPECTIVELY.

UNITS 1 & 5

THE QUANTITY OF CAST-IN-PLACE CONCRETE MASONRY FOR THE SOLDIER PILE WALL COPING AND CAST-IN-PLACE CONCRETE FACING IS PAID FOR UNDER ITEM "CONCRETE MASONRY RETAINING WALLS".
 SURFACE PREP AND PAINT SOLDIER PILES FROM TOP OF PILE TO 1'-0" BELOW TOP OF FOOTING WITH ONE COAT OF ZINC RICH PRIMER AS SPECIFIED IN SECTION 510 OF THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES. PAINTING SHALL BE DONE IN ACCORDANCE WITH SECTION 510 OF THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES. PAINTING SHALL BE MEASURED AND PAID FOR AS ITEM "PAINTING EPOXY SYSTEM R-40-641".
 FILL TO TOP OF WALL. ELEVATION WHERE NEEDED TO PROVIDE WORKING SURFACE. FILL INCIDENTAL TO ITEM "CONCRETE MASONRY SOLDIER PILE FOOTINGS".

THE VOLUME OF EARTHWORK REQUIRED TO INSTALL THE SOLDIER PILES, FOOTINGS AND ANCHOR SLABS IS INCLUDED IN THE ITEM "EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-641". AFTER WALL SOLDIER PILE CONSTRUCTION HAS BEEN COMPLETED, ALL EARTHWORK IN FRONT OF THE RETAINING WALL IS PAID FOR UNDER THE ROADWAY ITEM "COMMON EXCAVATION". SEE ROADWAY PLANS FOR EXCAVATION LIMITS.
 FLOWABLE BACKFILL AND CLSM ARE INCLUDED IN THE ITEM "EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-641". SEE SPECIAL PROVISIONS FOR FLOWABLE BACKFILL AND CLSM REQUIREMENTS.

UNIT 3

REMOVAL, AS REQUIRED, OF TOP PORTION OF EXISTING SHEET PILING IS PAID FOR UNDER "REMOVING STRUCTURE R-40-641".
 THE QUANTITIES OF CONCRETE MASONRY AND BAR STEEL REINFORCEMENT FOR UNIT 3 SHALL BE THE QUANTITIES OF PRECAST CONCRETE MASONRY WALL PANELS INCLUDED IN THE ITEM "PRESTRESSED CONCRETE WALL PANEL".
 DO NOT ALLOW CONCRETE OR FILL TO DROP INTO OR ACCUMULATE IN THE WALL PANEL CAVITY.

UNITS 2 & 4

ALL BAR STEEL REINFORCEMENT WITHIN THE WALL SECANT PILE SHALL NOT BE EPOXY COATED. FILL TO TOP OF SHEET PILING. ELEVATION WHERE NEEDED TO PROVIDE WORKING SURFACE. FILL INCIDENTAL TO BID ITEM "WALL SECANT PILE 59.06-INCH".
 THE VOLUME OF EARTHWORK REQUIRED TO INSTALL THE SECANT PILES AND ANCHOR SLABS IS PAID FOR UNDER THE ROADWAY ITEM "COMMON EXCAVATION". SEE ROADWAY PLANS FOR EXCAVATION LIMITS.

COMMON EXCAVATION IN FRONT OF UNITS 2 & 4 MAY NOT BEGIN UNTIL THE WALL SECANT PILE CONCRETE HAS REACHED DESIGN STRENGTH.
 THE SECANT PILE TRIAL WALL PANEL 59.06-INCH MUST BE SUCCESSFULLY CONSTRUCTED PRIOR TO BEGINNING CONSTRUCTION OF ANY PRODUCTION DRILLED SHAFTS FOR WALL SECANT PILES. SEE SPECIAL PROVISIONS FOR TRIAL WALL REQUIREMENTS.
 TEMPLATES AND GUIDE WALLS ARE REQUIRED FOR INSTALLATION OF ALL WALL SECANT PILES. INSTALL WEEPHOLES IN EVERY JOINT BETWEEN SECANT PILES AT THE ELEVATIONS INDICATED IN THESE PLANS. WEEPHOLE INSTALLATION IS INCIDENTAL TO THE ITEM "GEOCOMPOSITE WALL DRAIN".

Addendum No. 03
ID 1229-04-71/72/73/77
Revised Sheet 2884
October 6, 2022

DESIGN DATA

DESIGN SPECIFICATION:
 AASHTO LRFD DESIGN SPECIFICATIONS, 9TH EDITION, 2020
 WITH INTERIM REVISIONS, UNLESS OTHERWISE NOTED

- LIVE LOAD**
 LIVE LOAD SURCHARGE (ROADWAY) 240 PSF
 LIVE LOAD SURCHARGE (NON-ROADWAY) 100 PSF
 LIVE LOAD SURCHARGE (CONSTRUCTION) 100 PSF
- MATERIAL PROPERTIES**
 CONCRETE MASONRY ANCHOR SLAB & PARAPET
 PRECAST WALL COPING
 CIP WALL FACING
 WALL SECANT PILE CONCRETE
 PRECAST CONCRETE WALL PANELS
 BAR STEEL REINFORCEMENT
 STRUCTURAL STEEL HS
 CONCRETE MASONRY SOLDIER PILE FOOTINGS
 * TIMBER LAGGING, (MIN. RECD DIM. 6" NOM.)
 Fc = 4,000 PSI
 Fc = 3,500 PSI
 Fc = 3,500 PSI
 Fc = 4,000 PSI
 Fc = 5,000 PSI
 Fy = 60,000 PSI
 Fy = 50,000 PSI
 Fb = 3,500 PSI
 Fb = 1,200 PSI
 E = 1,600 KSI

* MATERIAL VALUES BASED ON DOUGLAS FIR-LARCH NO. 1, POSTS & TIMBERS, REFERENCE AASHTO LRFD SPECIFICATION TABLE 8.4.1.1.4-1

FOUNDATION DATA

MINIMUM SOIL BEARING CAPACITY PRESTRESSED PRECAST 3,000 PSF

③ 10/05/22 QUANTITY UPDATES HDA
 NO. DATE REVISION BY

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-641
 DRAWN BY: JNCH
 CHECKED BY: JNCH

QUANTITIES & NOTES
 SHEET 5
 2884

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	UNIT 1	UNIT 2	UNIT 3	UNIT 4	UNIT 5	TOTAL
203.0220.0109	EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-641	LS	1,020	6,030	240	1,795	9,085	1
206.3000.0109	ICE HOT WEATHER CONCRETING	SY	95	318	17	52	524	1
501.0100.5	PROTECTIVE SURFACE TREATMENT	SY	66	220	-	-	286	1
502.3210	PIGMENTED SURFACE SEALER	SY	66	220	-	-	286	1
502.4205	ADHESIVE ANCHORS NO. 5 BARS	EA	135.8	804.2	-	-	940	1
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	152.2	1,522.5	-	-	1,674.7	1
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	14,900	167,910	-	-	182,810	1
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	14,900	167,910	-	-	182,810	1
506.0605	STRUCTURAL STEEL HS	LB	801.8	-	-	-	801.8	1
506.3010	WELDED STUD SHEAR CONNECTORS 7/8 X 5-INCH	EA	296	-	-	-	296	1
513.4031	RAILING TUBULAR SCREENING	LF	162	538	30	-	730	1
513.4032	RAILING TUBULAR SCREENING	LF	162	538	30	-	730	1
543.0505.5	FOUNDATION DRILLING 36-INCH	CY	71	-	-	-	71	1
SPV.0035.4005	CONCRETE MASONRY SOLDIER PILE FOOTINGS	CY	130	7	-	-	137	1
SPV.0060.4020	CROSSHOLE SONIC LOG (CSL) TESTING WALL SECANT PILE 59.06-INCH	EA	113	-	-	-	113	1
SPV.0060.4025	THERMAL INTEGRITY PROFILER (TIP) TESTING WALL SECANT PILE 59.06-INCH	EA	113	-	-	-	113	1
SPV.0060.4030	TRIAL WALL PANEL SECANT PILE 59.06-INCH	EA	-	-	-	-	-	1
SPV.0060.4071	BAR COUPLERS NO. 18	HRS	1,161	-	-	-	1,161	1
SPV.0075.4000	OBSTRUCTIONS WALL SECANT PILE	HRS	57	-	-	-	57	1
SPV.0075.4001	OBSTRUCTIONS FOUNDATION DRILLING	HRS	12	-	-	-	12	1
SPV.0090.4005	WALL SECANT PILE 59.06-INCH	LF	8,486	-	-	-	8,486	1
SPV.0090.4005	FENCE CHAIN LINK POLYMER-COATED 6-FT R-40-641	LF	-	-	-	-	-	599
SPV.0090.4020	RAILING TUBULAR SCREENING 8-FT	LF	-	-	-	-	-	94
SPV.0100.4000	TIMBER LAGGING	MSM	5	-	-	-	5	27
SPV.0085.4010	GEOCOMPOSITE WALL DRAIN	SF	-	3,415	-	-	3,415	1
SPV.0085.4015	PRESTRESSED PRECAST CONCRETE WALL PANEL R-40-641	SF	-	800	750	2,200	-	3,750
SPV.0085.4020	GEOCOMPOSITE DRAIN BOARD	SF	1,539	-	-	-	-	6,883
NON-BID ITEMS								
	NAME PLATE	EA						1
	PREFORMED JOINT FILLER	SIZE					3/4"	1
	CORK FILLER	SIZE					1"	1
	NON-BITUMINOUS JOINT SEALER	SIZE					1"	1
	EXPANDED POLYSTYRENE	SIZE					1"	1
ALL ITEMS ARE CATEGORY 3080								

[Signature]
 10/05/22

GENERAL NOTES

GENERAL

DRAWINGS SHALL NOT BE SCALED.

COORDINATES ON THE PLANS ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCS). COORDINATES ONLY ARE PROVIDED AND SHALL BE USED FOR ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

ALL STATIONS AND DIMENSIONS ARE ALONG THE FRONT FACE OF WALL, UNLESS SHOWN OTHERWISE.

THESE PLANS ARE FOR A PRECAST CONCRETE PANEL MECHANICALLY STABILIZED EARTH (MSE) RETAINING WALL. RETAINING WALL WITH NEW FULL HEIGHT PRESTRESSED PRECAST CONCRETE WALL FACING PANELS (UNIT 3).

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

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS SHOWN OTHERWISE.

ALL BAR STEEL REINFORCEMENT WITHIN CAST-IN-PLACE CONCRETE FACING AND COPING SHALL BE EPOXY COATED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK IDENTIFY THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT OF BAR.

THE EXISTING GROUND LINE SHALL BE THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-642".

THE GEOTECHNICAL DATA PROVIDED FOR THIS STRUCTURE IN THE GEOTECHNICAL SITE INVESTIGATION REPORT SHALL BE OVER ANY DISCREPANCY WITH THE SUBSURFACE EXPLORATION AND GEOTECHNICAL DATA SHOWN IN THE PLANS.

THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AND STORM SEWER AS MAY BE NECESSARY. TO AVOID DAMAGE, UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

WALL ANCHOR SLAB AND COPING EXPANSION JOINTS TO MATCH ALL WALL FACING EXPANSION AND CONTRACTION JOINTS.

THE QUANTITIES OF CONCRETE, MASONRY AND BAR STEEL REINFORCEMENT IN CAST-IN-PLACE ANCHOR SLABS, RETAINING WALLS AND COPING SHALL BE THE QUANTITIES OF CONCRETE, MASONRY RETAINING WALLS AND BAR STEEL REINFORCEMENT IN COATED STRUCTURES, RESPECTIVELY.

UNITS 2 AND 4

THE QUANTITY OF CAST-IN-PLACE CONCRETE MASONRY FOR THE SOLDIER PILE WALL COPING AND CAST-IN-PLACE CONCRETE FACING IS PAID FOR UNDER ITEM "CONCRETE MASONRY RETAINING WALLS".

SURFACE PREP AND PAINT SOLDIER PILES FROM TOP OF PILE TO 1'-0" BELOW TOP OF FOOTING WITH ONE COAT OF ZINC RICH PRIMER AS SPECIFIED IN SECTION 510 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. PAINTING OF PILES IS MEASURED AND PAID FOR AS ITEM "PAINTING EPOXY SYSTEM R-40-642".

FILL TO TOP OF WALL. ELEVATION WHERE NEEDED TO PROVIDE WORKING SURFACE. FILL INCIDENT AL TO ITEM "CONCRETE MASONRY SOLDIER PILE FOOTINGS".

THE VOLUME OF EARTHWORK REQUIRED TO INSTALL THE SOLDIER PILES, FOOTINGS AND TIEBACK ANCHORS INCLUDED IN THE ITEM "EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-642". AFTER WALL SOLDIER PILE CONSTRUCTION HAS BEEN COMPLETED, ALL EARTHWORK IN FRONT OF THE RETAINING WALL IS PAID FOR UNDER THE ROADWAY ITEM "COMMON EXCAVATION". SEE ROADWAY PLANS FOR EXCAVATION LIMITS.

FLOWABLE BACKFILL AND CLSM ARE INCLUDED IN THE ITEM "EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-642". SEE SPECIAL PROVISIONS FOR FLOWABLE BACKFILL AND CLSM REQUIREMENTS.

UNIT 1

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMBINE DESIGN PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALL. IN ACCORDANCE WITH THE SPECIAL PROVISIONS, AND SHOP DRAWINGS, THE CONTRACTOR SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS IS INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-40-642".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL ALIGNMENT AND DETAILS. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN IN THESE PLANS.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE AS SHOWN FOR UNIT 1 ON THE TYPICAL SECTIONS SHEETS.

SOIL REINFORCING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

DESIGN REINFORCEMENT MAY BE PLACED UP TO A MAXIMUM OF 15" FROM PERPENDICULAR IF NECESSARY TO AVOID INTERFERENCE WITH ITEMS BEHIND THE WALL. ANGLES GREATER THAN 15° REQUIRE APPROVAL FROM THE BUREAU OF STRUCTURES DESIGN SECTION.

ONLY WALL CONCRETE PANEL MSE WALL SYSTEMS THAT USE STRIP TYPE SOIL REINFORCEMENT THAT ARE HINGED AT THE PANEL CONNECTION CAN BE USED FOR THIS PROJECT.

MSE WALL PANEL SHAPES SHALL BE SQUARE OR RECTANGULAR.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

GENERAL NOTES

ALL BAR STEEL REINFORCEMENT WITHIN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.

PLAN DIMENSIONS, QUANTITIES, AND REINFORCEMENT DETAILS ARE BASED ON AN ASSUMED CONCRETE WALL PANEL THICKNESS OF 7 1/2" AND A PANEL EMBEDMENT OF 3" FOR PANEL THICKNESSES OR GREATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY QUANTITY VARIATIONS.

THE PLAN QUANTITY FOR THE ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-40-642" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF THE LEVELING PAD TO THE TOP OF WALL AS SHOWN IN THE PLANS. THE TOP OF LEVELING PAD IS TAKEN AS A CONSTANT 3'-0" BELOW FINISHED GRADE FOR MEASUREMENT PURPOSES. WALL AREAS CONSTRUCTED OUTSIDE THESE LIMITS WILL NOT BE MEASURED FOR PAYMENT.

THE COST OF FURNISHING AND PLACING THE MSE BACKFILL WITHIN THE REINFORCED SOIL ZONE IS TO BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-40-642".

UNIT 3

REMOVALS REQUIRED OF TOP PORTION OF EXISTING SHEET PILING IS PAID FOR UNDER "REMOVING QUANTITIES OF CONCRETE MASONRY AND BAR STEEL REINFORCEMENT FOR UNIT 3" SEGMENTS PRESTRESSED PRECAST CONCRETE WALL PANELS, IS INCLUDED IN THE ITEM "PRESTRESSED PRECAST CONCRETE WALL PANEL".

DO NOT ALLOW CONCRETE OR FILL TO DROP INTO OR ACCUMULATE IN THE WALL PANEL CAVITY.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	UNIT 1 SEC. A	UNIT 2 SEC. A	UNIT 3 SEC. A	UNIT 4 SEC. C	TOTAL
203.0220.010	REMOVING STRUCTURE R-40-642	EACH					1
203.0220.010	EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-642	LS	655	610	860	2,405	1
501.0200.010	ICE HOT WEATHER CONCRETING	SY	13	6			190
502.3200.010	PROTECTIVE SURFACE TREATMENT	SY	82	37	51	32	18
503.3210	PIGMENTED SURFACE SEALER	CY	87.3	81.0	114.8		373.3
504.0500	CONCRETE MASONRY RETAINING WALLS	LB	11,230	9,650	10,740	3,070	34,690
505.0600	BAR STEEL REINFORCEMENT IN COATED STRUCTURES	LB	61,620	44,730		22,810	129,160
506.0600	STRUCTURAL STEEL HS	EACH	169	344		103	616
506.3010	WELDED STUD SHEAR CONNECTORS 7/8 X 5-INCH	SF	800				800
511.0200.010	TEMPORARY SHORING R-40-642	LF				32	60
513.2001	RAILING PIPE	LF	200	90			290
513.4091	RAILING TUBULAR SCREENING	SY	12	3			15
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	LS					10
612.0206	PIPE UNDERDRAIN IMPERFORATED 6-INCH	LF					200
612.0505.5	PIPE UNDERDRAIN IMPERFORATED 6-INCH	LF					1,805
612.0505.5	EXPANDED POLYSTYRENE	CY	552	574		359	1,485
SPV.0035.4005	CONCRETE MASONRY SOLDIER PILE FOOTINGS	CY	92	80		36	209
SPV.0060.4050	TIEBACK ANCHORS	EACH		18			21
SPV.0060.4051	TIEBACK ANCHORS PERFORMANCE TESTS	EACH		3			4
SPV.0060.4052	TIEBACK ANCHORS EXTENDED CREEP TESTS	EACH		1			2
SPV.0075.4001	OBSTRUCTIONS FOUNDATION DRILLING	HRS	6	9	32	4	19
SPV.0090.4020	RAILING TUBULAR SCREENING 8-FOOT	LF		135	92		227
SPV.010.4000	TIMBER LAGGING	MEM		4	8		15
SPV.0165.4016	PRESTRESSED PRECAST CONCRETE WALL PANEL	SF					4,550
SPV.0165.4020	GEOMPOSITE DRAIN BOARD	SF	1,215	2,700			4,755
SPV.0165.4642	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-40-642	SF	1,800			840	1,800
	NON BID ITEMS						
	NAME PLATE	EACH					1
	PRECAST JOINT FILLER	SIZE					3/4"
	NON-RITUMOUS JOINT SEALER	SIZE					1"
	EXPANDED POLYSTYRENE	SIZE					1"
	CORR FILLER	SIZE					1"
ALL ITEMS ARE CATEGORY 3000							

Addendum No. 03
ID 1229-04-71/72/73/77
Revised Sheet 2917
October 6, 2022

10/05/22



STATE PROJECT NUMBER
1229-04-73

NO. DATE REVISION BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-642

PLANS
DATE
10/05/22

GENERAL NOTES
& QUANTITIES

SHEET 3

2917

PLOT SCALE : 4:1

PLOT BY : cmbyden

PLOT DATE : 10/4/2022 4:57:124 PM

FILE NAME : D:\11\Bw\Int_rmtb-or-gfmg\creat_Lakesh Documents\WLnwaakee Projects\62577 - 76950 - 1-43 NS.Va.Structures\R-40-642\cbsr\642_080103_gn_add3.dgn

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
 BEVEL EXPOSED EDGES OF CONCRETE 3/4", UNLESS NOTED OTHERWISE.
 COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007), UNLESS OTHERWISE NOTED).
 ALL STATIONS AND DIMENSIONS ARE ALONG THE FRONT FACE OF WALL, UNLESS SHOWN OTHERWISE.
 BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER, UNLESS SHOWN OTHERWISE.
 ALL BAR STEEL REINFORCEMENT WITHIN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.
 THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT OF BAR.
 THESE PLANS ARE FOR A PRECAST CONCRETE PANEL MECHANICALLY STABILIZED EARTH (MSE) RETAINING WALL.
 THE UTILITY AND STORM SERIES INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE, ON ALL INCLUDING. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UTILITIES. UNDEGROUND UTILITIES SHOULD BE LOCATED AND MARKED PRIOR TO CONSTRUCTION. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.
 PLAN DIMENSIONS, QUANTITIES AND REINFORCEMENT DETAILS ARE BASED ON AN ASSUMED THICKNESS OR PANEL EMBEDMENT OTHER THAN THESE VALUES. THE CONTRACTOR SHALL VERIFY REINFORCEMENT BAR DETAILS AND QUANTITIES AND WILL BE RESPONSIBLE FOR ANY QUANTITY VARIATIONS.
 THE PLAN QUANTITY FOR THE ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH RETAINING WALL" IS SHOWN IN THE PLANS FROM STA. 199+58.60 TO STA. 201+78.60 AND TO STA. 203+58.60 TO STA. 204+38.60. THE TOP OF LEVELING PAD IS TAKEN AS A CONSTANT 3'-6" BELOW FINISHED GRADE FOR MEASUREMENT PURPOSES. FROM STA. 201+78.60 TO STA. 203+58.60, THE TOP OF LEVELING PAD IS TAKEN AS A CONSTANT 3'-6" BELOW FINISHED GRADE FOR MEASUREMENT PURPOSES. WALL AREAS CONSTRUCTED OUTSIDE THESE LIMITS WILL NOT BE MEASURED FOR PAYMENT.
 THE QUANTITIES OF CONCRETE MASONRY AND BAR STEEL REINFORCEMENT FOR CAST-IN-PLACE ANCHOR, SLAB, COPING AND PARAPET ARE PAID FOR UNDER ITEMS "CONCRETE MASONRY RETAINING WALLS" AND "BAR STEEL REINFORCEMENT HS COATED STRUCTURES", RESPECTIVELY.
 APPLY PROTECTIVE SURFACE TREATMENT TO THE TOP EXPOSED SURFACE OF THE ANCHOR SLAB.
 APPLY PIGMENTED SURFACE SEALER TO THE TOP AND INSIDE FACES OF THE PARAPET.
 THE COST OF FURNISHING AND PLACING THE MSE BACKFILL WITHIN THE REINFORCED SOIL ZONE IS TO BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-40-648".

DESIGN DATA
 THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALL IN ACCORDANCE WITH THE SPECIAL PROVISIONS, INCLUDING ALL MASONRY CONSTRUCTION DETAILS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
 THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-40-648" INCLUDES WALL ELEVATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.
 THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN IN THESE PLANS. DESIGN THE MSE WALL FOR A HORIZONTAL BACKSLOPE BEHIND THE WALL AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.
 SOIL REINFORCEMENT MAY BE PLACED UP TO A MAXIMUM OF 8" FROM PERPENDICULAR, IF NECESSARY TO AVOID INTERFERENCE WITH ITEMS BEHIND THE WALL. ANGLES GREATER THAN 15° REQUIRE APPROVAL FROM THE BUREAU OF STRUCTURES DESIGN SECTION.
 ONLY WALL CONCRETE PANEL MSE WALL SYSTEMS THAT USE STRIP TYPE SOIL REINFORCEMENT THAT ARE HINGED AT THE PANEL CONNECTION CAN BE USED FOR THIS PROJECT.
 WALL ON CURVED ALIGNMENT LIMITS PANEL WIDTH TO 5'-0".
 MSE WALL PANEL SHAPES SHALL BE SQUARE.
 DESIGN SPECIFICATION: DESIGN SPECIFICATIONS, 9TH EDITION, 2020 WITH INTERIM REVISIONS, UNLESS OTHERWISE NOTED.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST RESULTS.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTAL
501.000.0.5	ICE-HOT WEATHER CONCRETING	LB	16,620
502.320.0	PROTECTIVE SURFACE TREATMENT	SY	217
502.320.0	PIGMENTED SURFACE SEALER	SY	217
504.050.0	CONCRETE MASONRY RETAINING WALLS	CY	216
504.050.0	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	25,400
516.090.0	RUBBERIZED MEMBRANE WATERPROOFING	SY	28
612.020.0	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	130
614.050.0	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	10
SPV.065.648	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-40-648	SF	3,767
	NON-BID ITEMS		
	NAME PLATE	EACH	1
	CORK FILLER	SIZE	1"
	NON-BITUMINOUS JOINT SEALER	SIZE	1"
	EXPANDED POLYSTYRENE	SIZE	1"

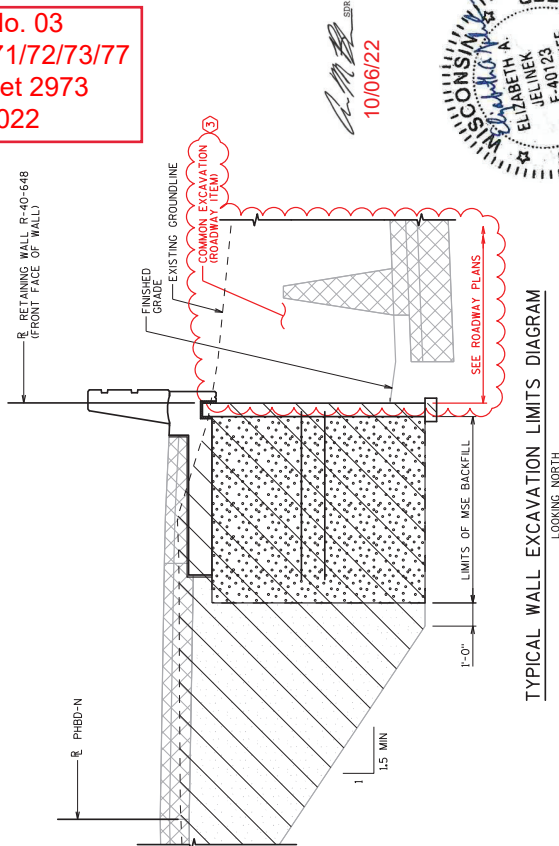
ALL ITEMS ARE CATEGORY 3140

STATE PROJECT NUMBER
 1229-04-73

WALL ELEVATIONS

STATION	TOP OF WALL EL	FINISHED GRADE EL	EXISTING GROUND EL
199+98.60	687.14	686.12	686.41
200+00.00	687.16	686.11	686.41
200+25.00	687.51	685.74	686.70
200+50.00	687.83	685.30	687.00
200+75.00	688.15	684.53	687.26
201+00.00	688.45	683.58	687.76
201+25.00	688.67	682.60	688.16
201+50.00	688.81	681.57	688.02
201+75.00	688.94	680.47	688.25
201+78.60	688.95	680.33	688.21
202+00.00	688.97	679.50	688.04
202+25.00	688.88	678.83	688.16
202+48.56	688.70	678.81	687.38
202+50.00	688.69	678.81	687.20
202+75.00	688.40	678.79	687.00
203+00.00	687.92	678.66	687.25
203+25.00	687.38	678.49	686.27
203+50.00	686.84	678.91	685.55
203+55.27	686.73	679.08	685.46
203+98.60	686.66	679.18	685.42
204+00.00	685.86	681.43	684.52
204+25.00	685.49	683.24	684.31
204+38.60	685.30	683.66	684.19

Addendum No. 03
 ID 1229-04-71/72/73/77
 Revised Sheet 2973
 October 6, 2022



LEGEND
 ▨ LINEARLY INTERPOLATE WALL ELEVATIONS BETWEEN STATIONS.
 ▨ WALL EXCAVATION - INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-40-648".
 8% MSE BACKFILL - INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-40-648".
 ROADWAY ITEM - NOT A RETAINING WALL ITEM. SEE ROADWAY PLANS.
 RETAINMENT - NOT A RETAINING WALL ITEM. SEE ROADWAY PLANS.

NO.	DATE	REVISION	BY
3	10/9/22	EXCAVATION UPDATES	EJA

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-648

GENERAL NOTES & QUANTITIES

SHEET 2

2973





Proposal Schedule of Items

Proposal ID: 20221011003 Project(s): 1229-04-71, 1229-04-72, 1229-04-73, 1229-04-77
Federal ID(s): WISC 2023003, WISC 2023001, WISC 2023002, N/A

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0138	204.9060.S Removing (item description) 3306. Loop Detector Wire and Lead-In Cable Brown Deer Rd & CTH W	1.000 EACH	_____.	_____.
0140	204.9060.S Removing (item description) 3307. Pull Box Rings and Covers Brown Deer Rd & CTH W	1.000 EACH	_____.	_____.
0142	204.9060.S Removing (item description) 3320. Communication Vault	21.000 EACH	_____.	_____.
0144	204.9090.S Removing (item description) 0001. Cable Barrier	8,439.000 LF	_____.	_____.
0146	204.9090.S Removing (item description) 0002. Modular Block Landscaping Retaining Wall	656.000 LF	_____.	_____.
0148	205.0100 Excavation Common	732,735.000 CY	_____.	_____.
0150	205.3000.S Temporary Emergency Pullouts	2.000 EACH	_____.	_____.
0152	206.1000 Excavation for Structures Bridges (structure) 0003. B-40-732	LS	LUMP SUM	_____.
0154	206.1000 Excavation for Structures Bridges (structure) 0005. B-40-734	LS	LUMP SUM	_____.
0156	206.1000 Excavation for Structures Bridges (structure) 0008. B-40-921	LS	LUMP SUM	_____.
0158	206.1000 Excavation for Structures Bridges (structure) 0009. B-40-1026	LS	LUMP SUM	_____.
0160	206.1000 Excavation for Structures Bridges (structure) 0010. B-40-1027	LS	LUMP SUM	_____.
0162	206.1000 Excavation for Structures Bridges (structure) 0011. B-40-1028	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20221011003 Project(s): 1229-04-71, 1229-04-72, 1229-04-73, 1229-04-77
 Federal ID(s): WISC 2023003, WISC 2023001, WISC 2023002, N/A

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0164	206.3000 Excavation for Structures Retaining Walls (structure) 0109. R-40-641	LS	LUMP SUM	_____.
0166	206.3000 Excavation for Structures Retaining Walls (structure) 0110. R-40-642	LS	LUMP SUM	_____.
0168	206.3000 Excavation for Structures Retaining Walls (structure) 0116. R-40-649	LS	LUMP SUM	_____.
0170	209.1100 Backfill Granular Grade 1	65,964.000 CY	_____.	_____.
0172	210.1500 Backfill Structure Type A	4,335.000 TON	_____.	_____.
0174	210.2500 Backfill Structure Type B	1,154.000 TON	_____.	_____.
0176	211.0400 Prepare Foundation for Asphaltic Shoulders	70.000 STA	_____.	_____.
0178	213.0100 Finishing Roadway (project) 0001. 1229-04-71	1.000 EACH	_____.	_____.
0180	213.0100 Finishing Roadway (project) 0002. 1229-04-72	1.000 EACH	_____.	_____.
0182	213.0100 Finishing Roadway (project) 0003. 1229-04-73	1.000 EACH	_____.	_____.
0184	213.0100 Finishing Roadway (project) 0004. 1229-04-77	1.000 EACH	_____.	_____.
0186	305.0110 Base Aggregate Dense 3/4-Inch	338.000 TON	_____.	_____.
0188	305.0120 Base Aggregate Dense 1 1/4-Inch	250,395.000 TON	_____.	_____.
0190	310.0110 Base Aggregate Open-Graded	3,041.000 TON	_____.	_____.
0192	311.0110 Breaker Run	456,470.000 TON	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20221011003 Project(s): 1229-04-71, 1229-04-72, 1229-04-73, 1229-04-77

Federal ID(s): WISC 2023003, WISC 2023001, WISC 2023002, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0226	455.0605 Tack Coat	26,906.000 GAL		
0228	460.2000 Incentive Density HMA Pavement	39,370.000 DOL	1.00000	39,370.00
0230	460.6223 HMA Pavement 3 MT 58-28 S	46,140.000 TON		
0232	460.6224 HMA Pavement 4 MT 58-28 S	21,885.000 TON		
0234	460.6645 HMA Pavement 5 MT 58-34 V	162.000 TON		
0236	465.0110 Asphaltic Surface Patching	5.000 TON		
0238	465.0120 Asphaltic Surface Driveways and Field Entrances	472.000 TON		
0240	465.0125 Asphaltic Surface Temporary	7,391.000 TON		
0242	465.0310 Asphaltic Curb	1,855.000 LF		
0244	495.1000.S Cold patch	60.000 TON		
0246	501.1000.S Ice Hot Weather Concreting	60,638.000 LB		
0248	502.0100 Concrete Masonry Bridges	920.000 CY		
0250	502.3101 Expansion Device	224.000 LF		
0252	502.3200 Protective Surface Treatment	2,905.000 SY		
0254	502.3205 Pigmented Surface Sealer Reseal	42.000 SY		
0256	502.3210 Pigmented Surface Sealer	4,651.000 SY		



Proposal Schedule of Items

Proposal ID: 20221011003 Project(s): 1229-04-71, 1229-04-72, 1229-04-73, 1229-04-77

Federal ID(s): WISC 2023003, WISC 2023001, WISC 2023002, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0258	502.3215 Protective Surface Treatment Reseal	1,684.000 SY	_____.	_____.
0260	502.4205 Adhesive Anchors No. 5 Bar	3,051.000 EACH	_____.	_____.
0262	502.4206 Adhesive Anchors No. 6 Bar	296.000 EACH	_____.	_____.
0264	502.4208 Adhesive Anchors No. 8 Bar	16.000 EACH	_____.	_____.
0266	503.0137 Prestressed Girder Type I 36W-Inch	966.000 LF	_____.	_____.
0268	504.0100 Concrete Masonry Culverts	602.000 CY	_____.	_____.
0270	504.0500 Concrete Masonry Retaining Walls	4,977.000 CY	_____.	_____.
0272	505.0400 Bar Steel Reinforcement HS Structures	2,087,660.000 LB	_____.	_____.
0274	505.0600 Bar Steel Reinforcement HS Coated Structures	978,040.000 LB	_____.	_____.
0276	505.0800.S Bar Steel Reinforcement HS Stainless Structures	4,140.000 LB	_____.	_____.
0278	505.0905 Bar Couplers No. 5	524.000 EACH	_____.	_____.
0280	505.0906 Bar Couplers No. 6	40.000 EACH	_____.	_____.
0282	505.0911 Bar Couplers No. 11	168.000 EACH	_____.	_____.
0284	506.0105 Structural Steel Carbon	20,274.000 LB	_____.	_____.
0286	506.0605 Structural Steel HS	1,820,655.000 LB	_____.	_____.
0288	506.2605 Bearing Pads Elastomeric Non-Laminated	40.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20221011003 Project(s): 1229-04-71, 1229-04-72, 1229-04-73, 1229-04-77
Federal ID(s): WISC 2023003, WISC 2023001, WISC 2023002, N/A

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1280	678.0400 Fiber Optic Termination	54.000 EACH	_____.	_____.
1282	678.0500 Communication System Testing	LS	LUMP SUM	_____.
1284	678.0500 Communication System Testing 3201. Port Washington Rd	LS	LUMP SUM	_____.
1286	678.0500 Communication System Testing 3301. 1229-04-73 Traffic Signals	LS	LUMP SUM	_____.
1288	678.0600 Install Ethernet Switches	17.000 EACH	_____.	_____.
1290	690.0150 Sawing Asphalt	7,598.000 LF	_____.	_____.
1292	690.0250 Sawing Concrete	66,796.000 LF	_____.	_____.
1294	715.0502 Incentive Strength Concrete Structures	24,220.000 DOL	1.00000	24,220.00
1296	715.0603 Incentive Strength Concrete Barrier	34,630.000 DOL	1.00000	34,630.00
1298	715.0715 Incentive Flexural Strength Concrete Pavement	119,813.000 DOL	1.00000	119,813.00
1300	740.0440 Incentive IRI Ride	61,634.000 DOL	1.00000	61,634.00
1302	801.0117 Railroad Flagging Reimbursement	297,000.000 DOL	1.00000	297,000.00
1304	999.2000.S Installing and Maintaining Bird Deterrent System (station) 0001. B-40-577	1.000 EACH	_____.	_____.
1306	999.2000.S Installing and Maintaining Bird Deterrent System (station) 0002. B-40-578	1.000 EACH	_____.	_____.
1308	999.2000.S Installing and Maintaining Bird Deterrent System (station) 0003. B-40-732	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20221011003 Project(s): 1229-04-71, 1229-04-72, 1229-04-73, 1229-04-77

Federal ID(s): WISC 2023003, WISC 2023001, WISC 2023002, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1310	999.2000.S Installing and Maintaining Bird Deterrent System (station) 0004. B-40-733	1.000 EACH	_____.	_____.
1312	999.2000.S Installing and Maintaining Bird Deterrent System (station) 0005. B-40-734	1.000 EACH	_____.	_____.
1314	999.2000.S Installing and Maintaining Bird Deterrent System (station) 0006. B-40-735	1.000 EACH	_____.	_____.
1316	999.2000.S Installing and Maintaining Bird Deterrent System (station) 0007. B-40-24	1.000 EACH	_____.	_____.
1318	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	8,400.000 HRS	5.00000	42,000.00
1320	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	17,280.000 HRS	5.00000	86,400.00
1322	SPV.0035 Special 0001. Roadway Embankment	231,881.000 CY	_____.	_____.
1324	SPV.0035 Special 4000. HPC Masonry Structures	658.000 CY	_____.	_____.
1326	SPV.0035 Special 4005. Concrete Masonry Soldier Pile Footings	811.000 CY	_____.	_____.
1328	SPV.0035 Special 4010. Backfill Controlled Low Strength UPRR	40.840 CY	_____.	_____.
1330	SPV.0035 Special 4020. Concrete Masonry Bridges UPRR	966.000 CY	_____.	_____.
1332	SPV.0045 Special 1001. Truck Entering Warning System	2,320.000 DAY	_____.	_____.
1334	SPV.0045 Special 1002. Combination Work Zone Digital Speed Limit - Speed Feedback Sign Trailer	4,710.000 DAY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20221011003 Project(s): 1229-04-71, 1229-04-72, 1229-04-73, 1229-04-77
Federal ID(s): WISC 2023003, WISC 2023001, WISC 2023002, N/A

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1832	SPV.0195 Special 4005. Excavation, Hauling, and Disposal Of Solid Waste Soil	26,780.000 TON	_____.	_____.
1834	SPV.0195 Special 4010. Course Aggregate Mix for Stream Bed	1,297.000 TON	_____.	_____.
1836	SPV.0200 Special 5000. Reconstruct MMSD Sanitary Manhole	40.000 VF	_____.	_____.
1838	205.0501.S Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	3.400 TON	_____.	_____.
1840	646.3555 Marking Line Grooved Contrast Permanent Tape 8-Inch	14,351.000 LF	_____.	_____.
1842	SPV.0060 Special 0935. Emergency Response Pavement Repairs	30.000 EACH	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.