



Wisconsin Department of Transportation

March 7, 2025

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:

Proposal #11: 1228-03-76, WISC 2025366
IH 43 North South Freeway
Oak Leaf Trail to Bender Road
IH 43
Milwaukee County

Letting of March 11, 2025

This is Addendum No. 02, which provides for the following:

Special Provisions:

Added Special Provisions	
Article No.	Description
87	Wall Panel Concrete Surface Repair, Item SPV.0165.02

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
630.0130	Seeding Mixture No. 30	LB	44	-21	23
630.0500	Seed Water	MGAL	1	58	59
SPV.0060.04	Traffic Control Local Road Lane Closures	EACH	41	9	50
509.1500	Concrete Surface Repair	SF	220	-210	10

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Quantity Added	Proposal Total After Addendum
630.0171	Seeding Mixture No. 70	LB	0	7	7
SPV.0165.02	Wall Panel Concrete Surface Repair	SF	0	210	210

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
49	Updated plans to change mix seeding mix to No. 70
212	Miscellaneous Quantities (updated Seeding Mixture No. 30, Seed Water and added Seeding Mixture No.70)
216	Miscellaneous Quantities (updated Traffic Control Local Road Lane Closures)
464	Updated label to Wall Panel Concrete Surface Repair
465	Updated label to Wall Panel Concrete Surface Repair
466	Updated quantities to include Wall Panel Concrete Surface Repair
475	Updated labels and quantities to show Wall Panel Concrete Surface Repair

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. 02

1228-03-76

March 7, 2025

Special Provisions

87. Wall Panel Concrete Surface Repair, Item SPV.0165.02

A Description

This special provision describes removing deteriorated concrete from the surfaces of precast concrete wall panels as designated by the engineer and replacing it with a polymer modified Portland cement mortar.

B Materials

Provide a polymer modified Portland cement mortar meeting the following requirements:

- Have a corrosion inhibitor additive.
- A workable mix capable of bonding and holding its own plastic weight, when mixed and placed according to manufacturer instructions, on vertical surfaces.
- A minimum compressive strength of 1,500 psi at 24 hours, 3,500 psi at 3 days, and 5,000 psi at 28 days; according to ASTM C 109.
- Have minimum bond strength of 2,000 psi at 28 days.
- Have a water-soluble chloride ion content of less than 0.40 lb/cu yd. The test shall be performed according to ASTM C 1218, and the mortar shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed by an independent lab a minimum of once every two years, and the test results shall be provided to the department.

C Construction

Perform the work according to the requirements of standard spec 509.3.7 and as specified and modified herein.

Saw cut around repair area to a depth of 1" using a grinder. Remove any loose concrete, taking care to preserve existing reinforcement, reinforcing strips, and anchors. Chip out the remaining concrete along the saw cuts by hand. Pneumatic equipment is not allowed. The existing panels are only 5½" thick, so caution is required to avoid exposing the backfill. Do not remove concrete behind reinforcing steel unless it is heavily deteriorated.

Place ¼" concrete screws of suitable length in the patch area. Maintain 1" clear from concrete screws to the edge of the patch area space at 1'-0" maximum.

Use a wire brush and water to remove dust, loose material and any bond inhibiting materials from the prepared surface.

Place and cure the mortar per the manufacturer's instructions.

If the repair is at the corner or edge of a panel, form out the repair area so that the panel gap is properly maintained.

D Measurement

The department will measure Wall Panel Concrete Surface Repair by the square foot, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.02	Wall Panel Concrete Surface Repair	SF

Payment is full compensation for completing all work including saw cutting; removing concrete; preparing surfaces; furnishing and installing concrete screws; furnishing, applying and curing the repair mortar; and cleanup.

Schedule of Items

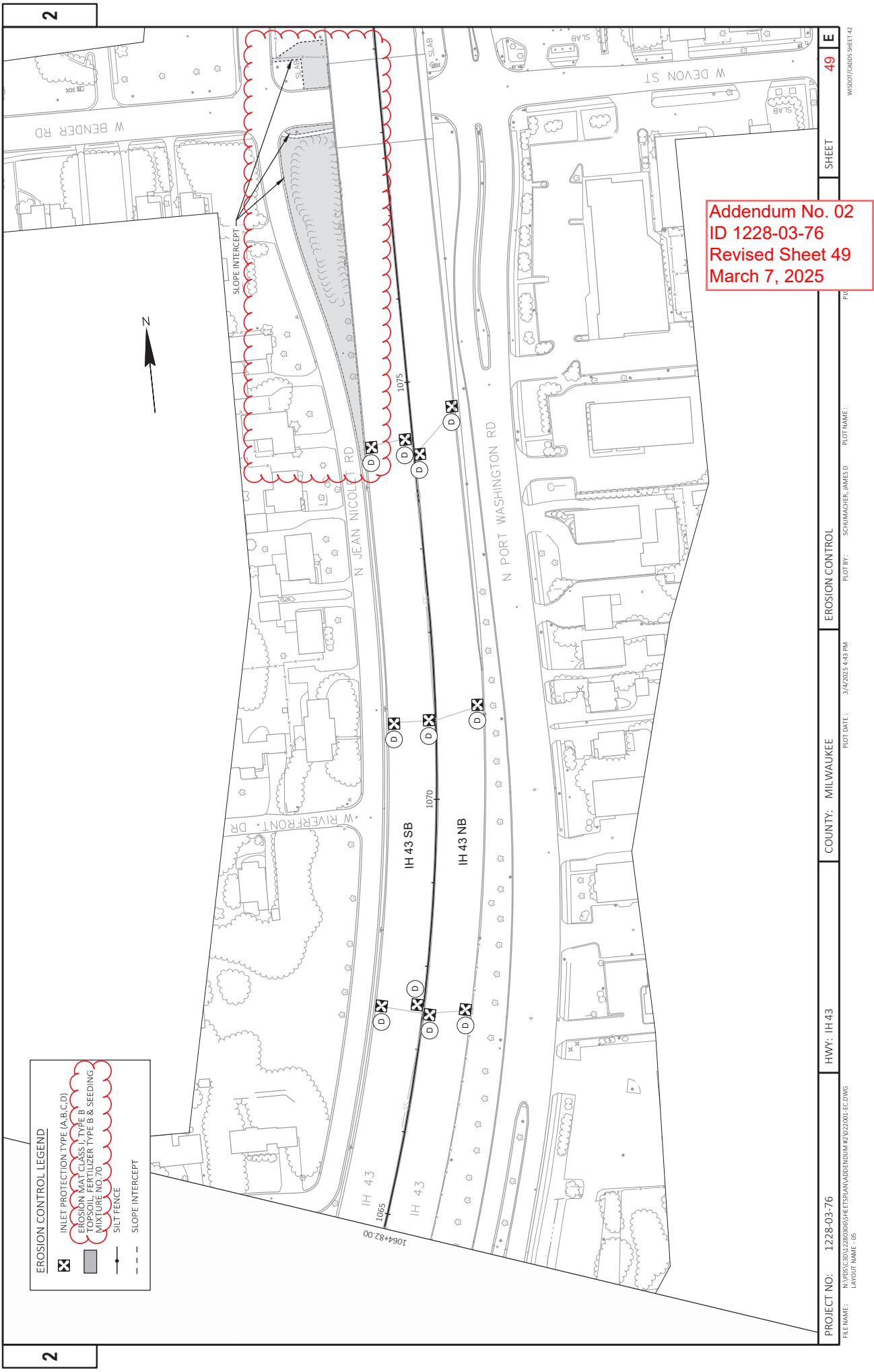
Attached, dated March 7, 2025, are the revised Schedule of Items Pages 4, 8, and 16.

Plan Sheets

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

Revised: 49, 212, 216, 464-466, 475

END OF ADDENDUM



TEMPORARY CRASH CUSHION										FENCING									
*614.0905 CRASH CUSHIONS TEMPORARY										616.0206 FENCE CHAIN LINK 616.0329 GATES CHAIN LINK									
CATEGORY	LOCATION	BACK WIDTH FT	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS	CRASH CUSHION SHIELDS	CRASH CUSHION SHIELDS	CATEGORY	STATION	TO	STATION	LOCATION	LF	EA	EA	EA	EA
1000	1003+29, 19.3' R	4	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	CONCRETE BARRIER TEMPORARY PRECAST ON LEFT SHOULDER			1000	1006+75	-	1010+33	MAINLINE NB	366	1			
	1014+37, 17.1' L	4	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	CONCRETE BARRIER TEMPORARY PRECAST ON LEFT SHOULDER				1044+77	-	1045+32	MAINLINE NB	55	--			
	1081+08, 53.7' L	4	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	CONCRETE BARRIER TEMPORARY PRECAST ON RIGHT SHOULDER				1056+14	-	1056+24	MAINLINE NB	15	--			
	1011+94, 54.0' L	4	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	CONCRETE BARRIER TEMPORARY PRECAST ON RIGHT SHOULDER				1059+68	-	1059+83	MAINLINE NB	15	--			
											1061+42	-	1061+52	MAINLINE NB	10	--			
											1061+72	-	1061+86	MAINLINE NB	15	--			
											1062+05	-	1062+15	MAINLINE NB	10	--			
											1062+97	-	1063+11	MAINLINE NB	15	--			
											1067+47	-	1067+62	MAINLINE NB	15	--			
											1078+96	-	1078+99	MAINLINE SB	61	--			
TOTAL										TOTAL									
4										588									
* THIS QUANTITY IS COVERED BY TRAFFIC CONTROL TABLE																			

CONCRETE MEDIAN										EROSION CONTROL									
620.0300 CONCRETE MEDIAN SLOPED NOSE										628.1504 SILT FENCE MAINTENANCE									
CATEGORY	STATION	TO	STATION	LOCATION	NOSE	SF	CATEGORY	STATION	TO	STATION	LOCATION	LF	SY	SY	SY	SY	SY	SY	SY
1000	1003+58	-	1077+87	MAINLINE NB		--	1000	1003+58	-	1077+87	MAINLINE NB	--	--	--	--	--	--	--	--
	1003+58	-	1077+87	MAINLINE SB		--		1003+58	-	1077+87	MAINLINE SB	804	804	2,435					
	1012+99	-	1049+27	RAMPS NB	48			1012+99	-	1049+27	RAMPS NB	--	--	26					
	1015+01	-	1049+27	RAMPS SB	--			1015+01	-	1049+27	RAMPS SB	--	--	--					
TOTAL										TOTAL									
48										804									
										2,461									

RESTORATION ITEMS										Addendum No. 02 ID 1228-03-76 Revised Sheet 212 March 7, 2025									
625.0100 TOPSOIL										630.0170 SEEDING MIXTURE NO. 70									
CATEGORY	STATION	TO	STATION	LOCATION	SY	CVT	SEEDING MIXTURE NO. 30	SEEDING MIXTURE NO. 70	SEEDING MIXTURE NO. 70	SEEDING MIXTURE NO. 70	SEEDING MIXTURE NO. 70	SEEDING MIXTURE NO. 70	SEEDING MIXTURE NO. 70	SEEDING MIXTURE NO. 70	SEEDING MIXTURE NO. 70	SEEDING MIXTURE NO. 70	SEEDING MIXTURE NO. 70	SEEDING MIXTURE NO. 70	SEEDING MIXTURE NO. 70
1000	1003+58	-	1077+87	MAINLINE NB	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1003+58	-	1077+87	MAINLINE SB	2,435	2	23	7	16	59	--	--	--	--	--	--	--	--	--
	1012+99	-	1049+27	RAMPS NB	113	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1015+01	-	1049+27	RAMPS SB	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL										TOTAL									
2,548										804									
										87									

PROJECT NO: 1228-03-76	HWY: IH 43	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET: 212	E
FILE NAME : N:\PDS\...030200_mq.pptx					
PLOT DATE : March 5, 2025					
PLOT BY : F.P.					
PLOT NAME :					
PLOT SCALE : 1:1					

PAVEMENT MARKINGS (CONTINUED)																				
CATEGORY	STATION	TO	STATION	LOCATION	PREF IN SYMB		WHITE		YELLOW		WHITE		YELLOW		MARKING ISLAND NOSE EPOXY	MARKING CURB EPOXY	MARKING TRANSVERSE LINE 6-INCH	MARKING CROSSWALK EPOXY	MARKING CHEVRON EPOXY 24- INCH	MARKING LINE EPOXY 10-INCH NON-GROOVED 2 FT LINE 6 FT SKIP
					WHITE EACH	EACH	WHITE LF	EACH	WHITE LF	LF	WHITE LF	LF	WHITE LF	LF						
1000	1003+58	-	1077+87	MAINLINE NB	--	--	--	--	963	845	--	--	--	--						SPV.0090.03
	1003+58	-	1077+87	MAINLINE SB	--	--	--	--	2,277	1,899	--	--	--	--						
	1012+99	-	1049+27	RAMPS NB	6	--	169	--	--	268	456	350	29	3						26
	1015+01	-	1049+27	RAMPS SB	5	4	89	17	--	41	127	129	--	--						--
SUBTOTAL					11	4	258	17	3240	305.3	583	479	29	3						26
TOTAL					11	4	258	17	6,293		583	479	29	3						26

Addendum No. 02
ID 1228-03-76
Revised Sheet 216
March 7, 2025

Addendum No. 02
ID 1228-03-76
Revised Sheet 466
March 7, 2025

GENERAL NOTES

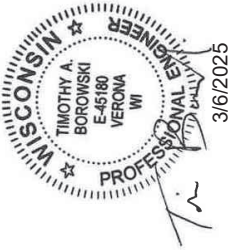
- DRAWINGS SHALL NOT BE SCALED.
- DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.
- ALL STATIONS AND ELEVATIONS ARE IN FEET.
- SEE ROADWAY PLANS FOR EXISTING UTILITY LOCATIONS.
- REPAIRS SHOULD LIMIT DAMAGING SOUND CONCRETE AND THE EXISTING REINFORCEMENT.
- BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
- THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.
- ALL BAR STEEL REINFORCEMENT IN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.
- BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.
- ALL WALL STATIONING AND OFFSETS ARE GIVEN AT THE OUTSIDE FACE OF THE PROPOSED PARAPET.
- AT THE BACK FACE OF WALL ALL VOLUME WHICH IS NOT OCCUPIED BY THE NEW ANCHOR SLAB SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.
- PIGMENTED SURFACE SEALER TO BE APPLIED TO THE TRAFFIC SIDE AND THE TOP OF THE PARAPET.
- COORDINATE CONSTRUCTION OF R-40-159 WITH B-40-578, N-40-106, AND N-40-28.
- "REMOVING STRUCTURE R-40-159" INCLUDES THE REMOVAL OF EXISTING ANCHOR SLAB, PARAPET, AND WALL MOUNTED SEGMENT OF NOISE BARRIER N-40-28. SOME NOISE PANELS MUST BE SALVAGED AND REINSTALLED ON GROUND MOUNTED SEGMENT OF N-40-28. SEE NOISE BARRIER PLANS.

SCOPE OF WORK

- REMOVE EXISTING RETAINING WALL MOUNTED SEGMENT OF NOISE BARRIER N-40-28
- REMOVE AND REPLACE ANCHOR SLAB, PARAPET, LIGHT STANDARDS AND INLETS
- PLACE ANCHOR ASSEMBLIES FOR NOISE BARRIER N-40-106
- REMOVE EXISTING JOINT SEALING
- CONCRETE SURFACE REPAIR OF MSE PANELS
- EPOXY CRACK SEAL OF MSE PANELS

CURVE DATA

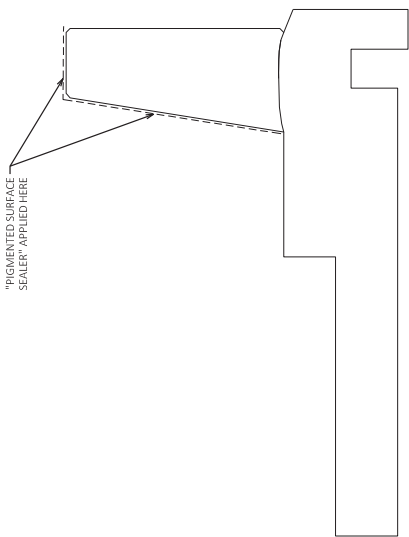
IH 43 CURVE 3	
P.L. = 1033+70.41	IH 43 CURVE 4/5
Δ = 29°28'35"	P.L. = 1047+78.32
D = 655.00'	Δ = 31°17'30"
T = 75.610'	D = 655.00'
L = 1473.82'	T = 69.730'
R = 2864.79'	L = 1371.70'
P.C. = 1026+16.81	R = 7640.52'
P.T. = 1040+50.63	P.C. = 1054+88.02
	P.T. = 1072+39.69



03/06/25
SPR

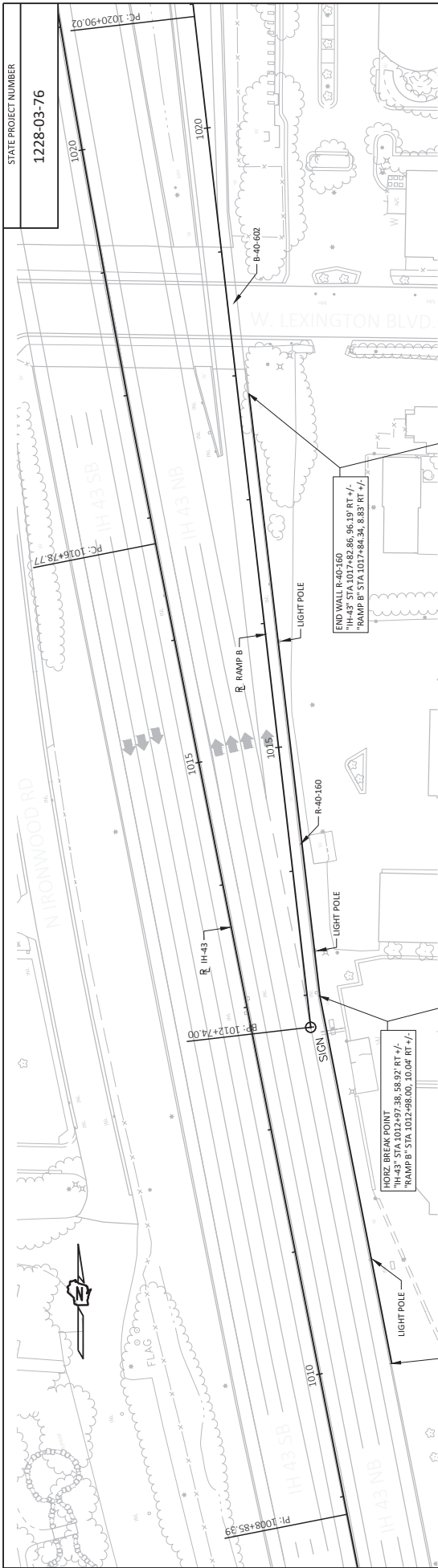
TOTAL ESTIMATED QUANTITIES			
ITEM NUMBER	BID ITEM	UNIT	TOTAL
203.0220	REMOVING STRUCTURE R-40-159	EACH	1
502.3210	PIGMENTED SURFACE SEALER	SF	773
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	1279
505.0600	BAR STEEL REINFORCEMENT 15 COATED STRUCTURES	LB	163490
509+1500	CONCRETE SURFACE REPAIR	SF	200
509.3020.5	EPOXY CRACK SEALING	LF	100
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SF	85
531.8990	ANCHOR ASSEMBLIES POLES ON STRUCTURES	EACH	5
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	90
652.0225	CONDUIT RIGID METALLIC SCHEDULE 40 2-INCH	LF	1184
653.0220	JUNCTION BOXES 18X126X6-INCH	EACH	11
653.0222	JUNCTION BOXES 18X126X6-INCH	EACH	5
SPV.0060	ANCHOR ASSEMBLIES NOISE BARRIER STRUCTURES R-40-159	EACH	258
SPV.0090	JOINT SEALING	LF	200
SPV.0165	WALL PANEL CONCRETE SURFACE REPAIR	SF	200
	NON-BID ITEM		
	NON-BITUMINOUS JOINT SEALER	SIZE	3/4", 1"
	FILLER	SIZE	3/4", 1 1/2"
	CORK FILLER	SIZE	1"
	EXPANDED POLYSTYRENE	SIZE	1"

- △ QUANTITY ASSUMES 43 EXPANSION JOINTS WITHIN THE LENGTH OF THE ANCHOR SLAB.
- ▽ QUANTITIES AND LOCATIONS ARE BASED ON BEST ESTIMATES AND CURRENT INFORMATION. LIMITS AND LOCATIONS TO BE DETERMINED BY THE ENGINEER.

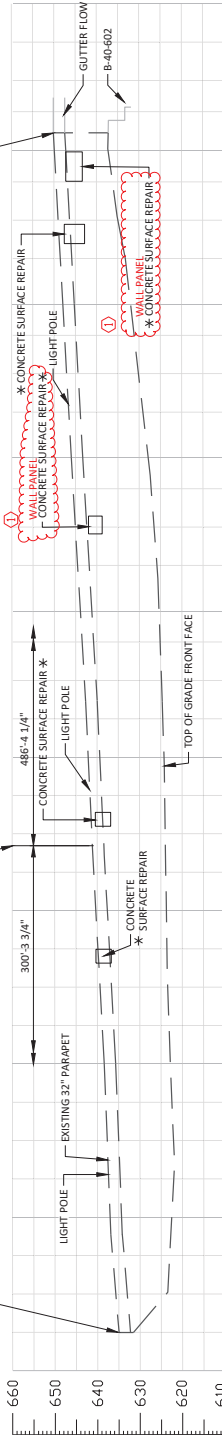


PIGMENTED SURFACE SEALER LIMITS

1	3/5/25	ADDED SPV FOR PANEL REPAIR	TAB
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE R-40-159			
	DRAWN BY	PLANS	WCD
	VC1	CHD.	
SHEET 4 OF 12			466
QUANTITIES & NOTES			

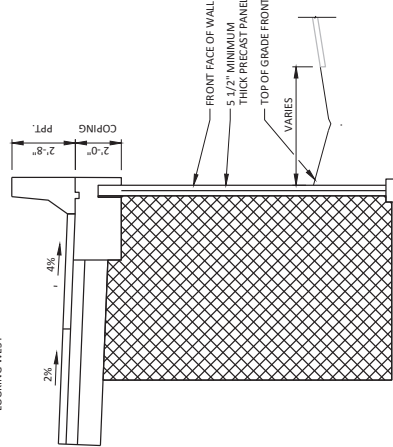


PLAN VIEW



ELEVATION VIEW

LOOKING WEST



TYPICAL WALL SECTION

TOTAL ESTIMATED QUANTITIES			
ITEM NUMBER	BID ITEM	UNIT	TOTAL
509.1500	CONCRETE SURFACE REPAIR	SF	10
SPV.0090	JOINT SEALING	LF	300
SPV.0165	WALL PANEL CONCRETE SURFACE REPAIR	SF	10

* QUANTITIES AND LOCATIONS ARE BASED ON BEST ESTIMATES AND CURRENT INFORMATION. LIMITS AND LOCATIONS TO BE DETERMINED BY THE ENGINEER.

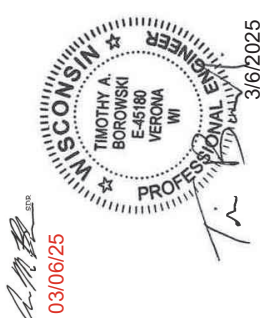
MATERIAL PROPERTIES
CONCRETE MASONRY $f_c = 3,500$ psi

GENERAL NOTES

- DRAWINGS SHALL NOT BE SCALED.
- DIMENSIONS AND ELEVATIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS AND AS-BUILTS.
- ALL STATIONS AND ELEVATIONS ARE IN FEET.
- OFFSET DISTANCE MEASURED TO FRONT FACE OF WALL.
- LENGTH OF MECHANICALLY STABILIZED EARTH RETAINING WALL MEASURED ALONG FRONT FACE.
- SEE ROADWAY PLANS FOR EXISTING UTILITY LOCATIONS.
- REPAIRS SHOULD LIMIT DAMAGING SOUND CONCRETE AND THE EXISTING REINFORCEMENT.
- ORIGINAL CONSTRUCTION YEAR WAS 1992.

SCOPE OF WORK

- SEAL WALL JOINTS
- CONCRETE SURFACE REPAIR OF MSE PANELS, COPING, AND PARAPETS



STRUCTURE DESIGN CONTACTS:
TIM BOROWSKI 608-228-5410
AARON BORK 608-261-0261

NO.	DATE	REVISION	BY
1	3/3/25	ADDED SPV FOR PANEL REPAIR	TAB



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-160

143 AT LEXINGTON BLVD.	DESIGNED	TAB	WCD	PLANS	WCD
COUNTY	MILWAUKEE	DESIGNED	TAB	WCD	PLANS
DESIGNER	SRF	DESIGNED	TAB	WCD	PLANS
REHABILITATION N/A	DESIGNED	TAB	WCD	PLANS	WCD

GENERAL PLAN

475

SHEET 1 OF 1

GENERAL PLAN

1" = 1'

3/5/2025 9:12:22 PM

FILE NAME: H:\PROJECTS\1228-03-76\1228-03-76\STRUCTURE\1228-03-76\1228-03-76\1228-03-76.dwg

Addendum No. 02
ID 1228-03-76
Revised Sheet 475
March 7, 2025



Proposal Schedule of Items

Page 4 of 16

Proposal ID: 20250311011 Project(s): 1228-03-76

Federal ID(s): WISC 2025366

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0090	460.2000 Incentive Density HMA Pavement	12,320.000 DOL	1.00000	12,320.00
0092	460.6645 HMA Pavement 5 MT 58-34 V	15.000 TON	_____	_____
0094	460.8625 HMA Pavement 5 SMA 58-28 V	26,281.000 TON	_____	_____
0096	460.9000.S Material Transfer Vehicle	1.000 EACH	_____	_____
0098	495.1000.S Cold Patch	10.000 TON	_____	_____
0100	502.0100 Concrete Masonry Bridges	68.000 CY	_____	_____
0102	502.3200 Protective Surface Treatment	12.000 SY	_____	_____
0104	502.3210 Pigmented Surface Sealer	915.000 SY	_____	_____
0106	502.4205 Adhesive Anchors No. 5 Bar	32.000 EACH	_____	_____
0108	504.0500 Concrete Masonry Retaining Walls	1,295.000 CY	_____	_____
0110	505.0600 Bar Steel Reinforcement HS Coated Structures	178,980.000 LB	_____	_____
0112	509.1000 Joint Repair	11.000 SY	_____	_____
0114	509.1500 Concrete Surface Repair	10.000 SF	_____	_____
0116	509.9010.S Removing Asphaltic Concrete Deck Overlay (structure) 01. B-40-578	22.000 SY	_____	_____
0118	509.9020.S Epoxy Crack Sealing	100.000 LF	_____	_____



Proposal Schedule of Items

Page 8 of 16

Proposal ID: 20250311011 Project(s): 1228-03-76

Federal ID(s): WISC 2025366

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0206	618.0100 Maintenance and Repair of Haul Roads (project) 01. 1228-03-76	1.000 EACH	_____.	_____.
0208	619.1000 Mobilization	1.000 EACH	_____.	_____.
0210	620.0300 Concrete Median Sloped Nose	48.000 SF	_____.	_____.
0212	625.0100 Topsoil	2,548.000 SY	_____.	_____.
0214	628.1504 Silt Fence	804.000 LF	_____.	_____.
0216	628.1520 Silt Fence Maintenance	804.000 LF	_____.	_____.
0218	628.2004 Erosion Mat Class I Type B	2,461.000 SY	_____.	_____.
0220	628.7005 Inlet Protection Type A	8.000 EACH	_____.	_____.
0222	628.7010 Inlet Protection Type B	6.000 EACH	_____.	_____.
0224	628.7015 Inlet Protection Type C	17.000 EACH	_____.	_____.
0226	628.7020 Inlet Protection Type D	122.000 EACH	_____.	_____.
0228	629.0210 Fertilizer Type B	2.000 CWT	_____.	_____.
0230	630.0130 Seeding Mixture No. 30	23.000 LB	_____.	_____.
0232	630.0200 Seeding Temporary	16.000 LB	_____.	_____.
0234	630.0500 Seed Water	59.000 MGAL	_____.	_____.
0236	631.0300 Sod Water	2.000 MGAL	_____.	_____.



Proposal Schedule of Items

Page 16 of 16

Proposal ID: 20250311011 Project(s): 1228-03-76

Federal ID(s): WISC 2025366

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0446	SPV.0195 Special 01. HMA Longitudinal Joint Repair	100.000 TON	_____.	_____.
0448	643.1000 Traffic Control Signs Fixed Message	28.000 SF	_____.	_____.
0450	646.9200 Marking Removal Line Wide	3,276.000 LF	_____.	_____.
0452	646.9300 Marking Removal Special Marking	4.000 EACH	_____.	_____.
0454	630.0170 Seeding Mixture No. 70	7.000 LB	_____.	_____.
0456	SPV.0165 Special 02. Wall Panel Concrete Surface Repair	210.000 SF	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.