

Wisconsin Department of Transportation

December 11, 2017

Division of Transportation Systems Development

Bureau of Project Development 4802 Sheboygan Avenue, Rm 601 P O Box 7916 Madison, WI 53707-7916

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

NOTICE TO ALL CONTRACTORS:

Proposal 12: 2195-03-70, WISC 20180 009

West Wells Street, City of Milwaukee Milwaukee River Bridge B-40-544

USH 18

Milwaukee County

Letting of December 12, 2017

This is Addendum No. 04, which provides for the following:

Special Provisions:

Added Special Provisions			
Article No.	Description		
78	Concrete Surface Repair at Railing Post, SPV.0025.501		

Schedule of Items:

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
SPV.0025.501	Concrete Surface Repair at Railing Post	CF	0	95	95

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old	Revised	Proposal
	'		Quantity	Quantity	Total
509.0302	Preparation Decks Type 2	SY	21	-21	0

Plan Sheets:

	Revised Plan Sheets				
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)				
81	Estimated Bridge Quantities/Design Data (Bid Item Change)				
135	2 Line Aluminum Railing Details (Updated Notes)				

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. 04 2195-03-70

December 11, 2017

Special Provisions:

78. Concrete Surface Repair at Railing Post, Item SPV.0025.501

A Description

This special provision describes removing unsound and sound concrete and installing new concrete at the location of new railing bases in the existing concrete deck to the limits shown on the plans. Additional steel reinforcement and railing components will be paid for separately.

B Materials

Provide concrete in accordance with Section 502 and 509 of the standard specifications and these special provisions. Concrete shall match the color of the existing concrete being patched.

Provide masonry anchors as needed in accordance with section 502 of the standard specifications and these special provisions.

C Construction

Perform work in accordance with the applicable requirements of the standard specifications in general, and sections 501, 502, and 509 in particular, except as modified herein or shown on the plans. Before starting the repair, conduct a survey of the concrete surfaces and mark areas requiring repair for engineer's inspection. Notify the engineer 48 hours in advance of the inspection. Remove concrete only from locations shown on the plans and approved by the engineer. Do not remove more concrete then detailed unless specifically approved by the engineer. This bid item will be used only for the removal and replacement of concrete at the railing bases. Define the limits of removal on the exposed surface with 1-inch deep saw cut. Remove concrete in such a way that removal is bounded by straight lines. Remove concrete to a minimum 1 inch below the depth of new rebar.

For chipping off old concrete surfaces, use air chippers or breakers that weigh no more than 35 pounds and are equipped with flat, chisel-type points with a cutting edge not less than 3/4" inch or greater than 3 inches wide. After reaching the top of the reinforcing steel do not use hammers heavier than 15 pounds within one inch of the steel. Dispose of removed concrete.

Establish horizontal and vertical controls to serve as a reference for measuring the thickness of concrete removed.

D Measurement

The Department will measure Concrete Surface Repair at Railing Post by the cubic foot acceptably completed, measured as the exposed surface area following removal. The depth of removal will be measured as the distance from the existing surface to the prepared final surface. Each repair area or volume will be measured only once for payment purposes, irrespective of the number of operations for removing the concrete from that area.

E Payment

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

ITEM NUMBER DESCRIPTION UNIT

SPV.0025.501 Concrete Surface Repair at Railing CF

Post

Payment is full compensation for removing sound and unsound concrete; blast cleaning existing reinforcement as necessary; masonry anchors, furnishing and placing concrete; repairing damaged epoxy coating on existing rebar, and for furnishing all labor, scaffolding, formwork, tools, materials, equipment, and incidentals necessary to complete the work.

Schedule of Items

Attached, dated December 11, 2017, are the revised Schedule of Items Pages 2 and 9.

Plan Sheets

The following $8\frac{1}{2}$ x 11-inch sheets are attached and made part of the plans for this proposal: Revised: 81 and 135

END OF ADDENDUM

8

ID 2195-03-70

70

03

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2195

AASHTO STANDARD SPECFICATIONS FOR MOVABLE HIGHWAY BRIDGES, SECOND EDITION, 2007, AND INTERNAS THROUGH 2017.

AASHTO STANDARD SPECFICATIONS FOR HICHWAY BRIDGES, 17TH EDITION.

DESIGN SPECIFICATIONS

TOTAL

SPAN

WEST

BRIDGE

EAST ABUT. PER 2

PER I

MEST ABUT.

REMOVING OLD STRUCTURE OVER WATERWAY WITH DEBRIS STATION 40+36,34

UNIT

BID ITEMS

NUMBER

MEM

BRIDGE B-40-544

OUANTITIES

BRIDGE

ESTIMATED

STATE PROJECT NUMBER

Addendum No. **Revised Sheet 81** December 11, 2017



SCONS/

William C. Duck

NON-BID ITEMS

NON-BITUMINOUS JOINT FILLER PREFORMED JOINT FILLER POLYETHYLENE SHEETS NAME PLATE

1,776

1,776

SHEET 3 OF 58 PLANS CX D

ESTIMATED BRIDGE OUANTITIES / DESIGN DATA

8

STRUCTURE B-40-544 STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE BO ITEM CHANGE

DESIGN LOADING: HS-20 WINTORY PRINGS: HS-37 OPERATING RATING: HS-37 WISCONSIN STANDARD PERMIT VENCLE (MIS-SPV): 250 KPS LIVE LOAD

CONCRETE. 160 PCF CONCRETE, LIGHTWEIGHT = 115 PCF FWS = 20 PSF EXIST, TUBILAR RALING = 74 PLF 2-LINE ALUMNUM RALING = 37 PLF

465 169 1,460 496 264 69 339 625 408

250

375

20

901

39 276

294

23

200 264

DESIGN DATA

00

0 88

81

BAR STEEL RENFORCEMENT HS COATED STRUCTURES WELDED STUD SHEAR CONNECTORS 7/8 X 4-MCH MELDED STUD SHEAR CONNECTORS 7/8 X 6-NCH

43 = 148

22 205 8,570 48

DEAD LOAD

MATERIAL PROPERTIES:

5, 373

202

280

300

436

2,020

1,800

335

PAINTING EPOXY SYSTEM B-40-544
PREPARATION AND COATING OF TOP FLANCES B-40-544 CONCRETE STAINING B-40-544 STRUCTURE REPAINTING RECYCLED ABRASIVE B-40-544

509.9026.5 516.0500 517.0600 517.0900.5 517.1010.5 517.1800.5

CORED HOLES 2-INCH DIAMETER RUBBERIZED MEMBRANE WATERPROOFING

EPOXY INJECTION CRACK REPAIR

CONCRETE SURFACE REPAIR
POLYMER OVERLAY

JOINT REPAIR

502,4205 505,0600 506,3005 506,3015 509,1000 509,1500 509,5100,5 509,9025,5

rs

NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS 8-40-544 STRUCTURE OVERCOATING CLEANING AND PRIMING B-40-544

> 517.4500.5 517.6001 652.0210 652.0220

CONCRETE MASONRY (SUPERSTRUCTURE)
CONCRETE MASONRY, LIGHTWEIGHT (SUPERSTRUCTURE)
CONCRETE MASONRY (OTHERS) BAR STEEL REINFORCEMENT:

f'c = 4,000 PSI f'c = 4,000 PSI f'c = 3,500 PSI Fy = 60,000 PSI Fy = 50,000 PSI Fy = 36,000 PSI

TRAFFIC DATA

0

32 28 53

20

m r

ENCH CE CE

652.0225 CONQUIT RIGO NOMETALL'E SCREDLE 40 2-NCH 652.0230 CONQUIT RIGO NOMETALL'E SCREDLE 40 2 V2-NCH 652.0230 ANGRE 452.025 SCREDLE 40 2 V2-NCH 594.0025,001 CONCRETE SUFFACE REPAR AT BALLING POST 594.0025,501 LIGHTREOH CONCRETE MASCHMEN

CONDUIT RIGID NONMETALLIC SCHEDULE 40 1 1/2-INCH

CONDUIT RIGID NOWMETALLIC SCHEDULE 4D 1-INCH

PORTABLE DECONTAMINATION FACILITY

385

385

EXISTING STRUCTURAL STEEL (ASTM A709, GR 36): NEW STEEL BEAMS/SHAPES (ASTM A709):

508 98 =

28 28

2 2 2

ADT (2017) = 9,900 VEHICLES/DAY ADT (2037) = 11,400 VEHICLES/DAY ROADWAY DESIGN SPEED = 35 MPH

HYDRAULIC DATA

= M,800 CFS (SEWERPC) = 4.8 FPS (SEWERPC) = 58.17 WG/VD 1929 (SEWERPC) = 5.990 SF = 690 SO.M. NATERWAY AREA DRAMAGE AREA ROADWAY OVERTOPPING SCOUR CRITICAL CODE 100 YEAR FREQUENCY

31, 325 324 324 323

31,325

IO YEAR FREQUENCY

373 20

148 20

88 94

87 13 20

148

176

4

REMOVE, REPAIR, PAINT, AND REINSTALL EXISTING TUBULAR RAILING

2 LINE ALUMINUM RALING B-40-544

MARNE DOCK FENDERS

SPV.0085.502 SPV.0090.501

SPV.0085.501

I-INCH FIBERGLASS REINFORCED EPOXY G'RE) CONDUIT

COUNTERWEIGHT MACHINERY

SPV.0105.501

EQUALIZER MACHINERY SPAN GUIDES

7 2 2 2 2 2

E ES ES

SPV.0105.510 COUNTERWEIGHT BALANCING CALCULATIONS

TEMPORARY LIFT SPAN SHORMO

LIFT SPAN SIDEWALK JOINT

LS

EACH EACH LB LB LB LE

RIVERWALK EXPANSION JOINT WITH COVER PLATE

COUNTERWEIGHT BALLAST BRIDGE STRUCTURAL STEEL

SPV.0060.502 REPLACING HIGH STRENGTH BOLTS

JUNCTION BOXES 8x8x6-INCH

RIVERWALK EXPANSION JOINT

SPV. 0060. 503 SPV. 0060. 504 SPV. 0060. 505

BEARING MAINTENANCE B-40-544

SPV.0060.501

QIO = N/A VEL = N/A HWIO = EL. 580,1 (NGVD 1929)

SPV.0165.502 METAL PLATES FOR BIKE LANES * ITEM IS CATEGORY 0020

FIBERGLASS SIDEWALK FLOOR PLATES REFURBISHING EXISTING NAME PLATES

NAME PLATE

SPV.0105.514 SPV.0165.501

SPV.0105.512

SPV.0105.511

EXPANSION DEVICE B-40-544
PROTECTIVE SURFACE TREATMENT

ADHESIVE ANCHORS NO. 5 BAR

SPV.0090.503

SPV.0090.504

SPV,0090,502

SPV.0105.506 PACKAGED ENGINE GENERATOR

BRIDGE ELECTRICAL WORK

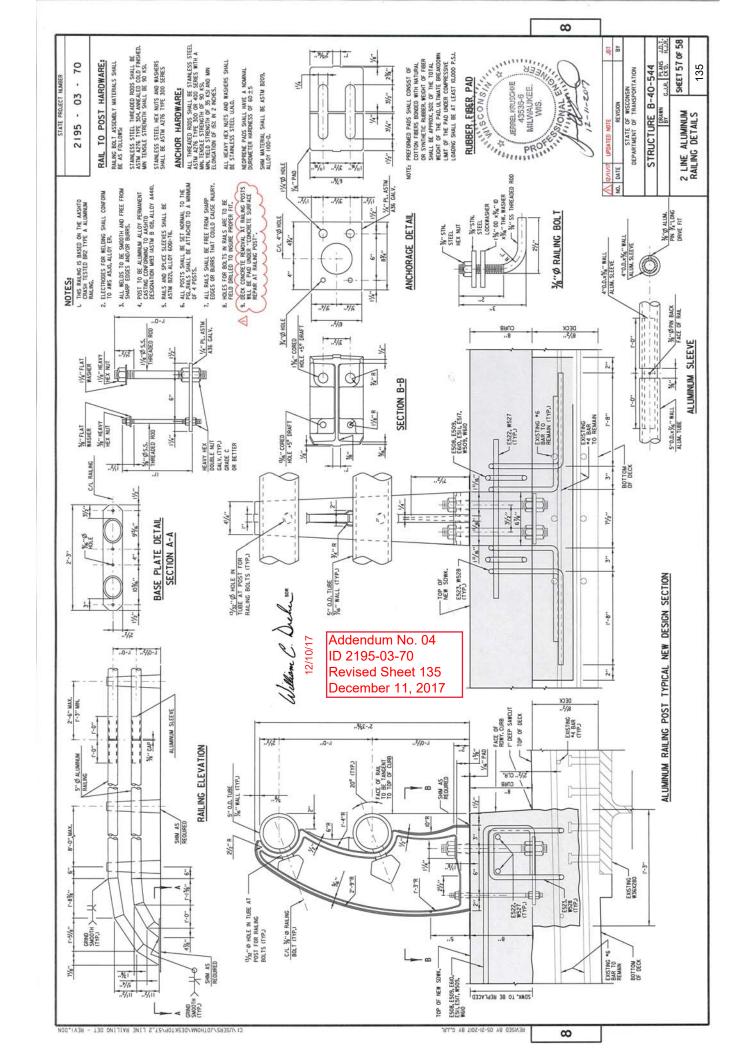
SPV.0105.505 SPV.0105.507 SPV.0105.509

SPV.0105.504

SPV.0105.503

GENERATOR MECHANICAL WORK

SPV.0105.508 BRIDGE HYDRAULIC SYSTEM FIELD VERFICATION SURVEY







Proposal Schedule of Items

Page 2 of 9

Proposal ID: 20171212012 **Project(s):** 2195-03-70

Federal ID(s): WISC 2018009

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0034	505.0600 Bar Steel Reinforcement HS Coated Structures	21,460.000 LB	·	
0036	506.3005 Welded Stud Shear Connectors 7/8x4- Inch	496.000 EACH		
0038	506.3015 Welded Stud Shear Connectors 7/8x6- Inch	264.000 EACH	·	
0042	509.1000 Joint Repair	69.000 SY		
0044	509.1500 Concrete Surface Repair	339.000 SF		
0046	509.5100.S Polymer Overlay	625.000 SY		
0048	509.9025.S Epoxy Injection Crack Repair	408.000 LF		
0050	509.9026.S Cored Holes 2-Inch Diameter	2.000 EACH		
0052	516.0500 Rubberized Membrane Waterproofing	11.000 SY		
0054	517.0600 Painting Epoxy System (structure) 001. B-40-544	LS	LUMP SUM	
0056	517.0900.S Preparation and Coating of Top Flanges (structure) 001. B-40-544	LS	LUMP SUM	
0058	517.1010.S Concrete Staining (structure) 001. B-40- 544	5,373.000 SF	·	·
0060	517.1800.S Structure Repainting Recycled Abrasive (structure) 001. B-40-544	LS	LUMP SUM	
0062	517.3000.S Structure Overcoating Cleaning and Priming (structure) 001. B-40-544	LS	LUMP SUM	



Wisconsin Department of Transportation

12/11/2017 12:42:33

Proposal Schedule of Items

Page 9 of 9

Proposal ID: 20171212012 **Project(s):** 2195-03-70

Federal ID(s): WISC 2018009

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0232	SPV.0165	1,776.000		
	Special 501. FIBERGLASS SIDEWALK FLOOR PLATES	SF	·	·
0234	SPV.0165	443.000		
	Special 502. METAL PLATES FOR BIKE LANES	SF	·	·
0236	SPV.0180	200.000		
	Special 001. JOINT SEALING	SY	·	·
0238	SPV.0025	95.000		
	Special 501. Concrete Surface Repair At Railing Post	CF	·	·
	Section: 000)1	Total:	

Total Bid: _____.__.