



# Wisconsin Department of Transportation

## Division of Transportation Systems Development

Bureau of Project Development  
4822 Madison Yards Way, 4<sup>th</sup> Floor South  
Madison, WI 53705

August 9, 2018

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

### NOTICE TO ALL CONTRACTORS:

**Proposal #02: 5990-00-34**  
**C Janesville, W Milwaukee Street**  
**Rock River Bridge B-53-0294**  
**Local Street**  
**Rock County**

### Letting of August 14, 2018

This is Addendum No. 01, which provides for the following:

#### Special Provisions:

Revised Special Provisions	
Article No.	Description
23	Abutment and Pier Construction
71	Removing Old Structure Over Waterway With Minimal Debris Station 14+54, SPV.0105.05

#### Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
505.0400	Bar Steel Reinforcement HS Structures	LB	28,200	210	28,410
550.2146	Piling CIP Concrete 14 x 0.375-Inch	LF	5,020	600	5,620

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
502.1100	Concrete Masonry Seal	CY	0	435	435

#### Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
156	General Plan (Added Concrete Masonry Seal details)
157	Cross Section (Added Concrete Masonry Seal details)

158	Quantities, Profile & Notes (Updated quantity table to add Concrete Masonry Seal bid item; revised piling and bar steel quantities at the piers)
159	Subsurface Investigation (Added Concrete Masonry Seal details)
165	Pier 1 (Added Concrete Masonry Seal details; modified piling and bar steel)
166	Pier 1 Details (Added Concrete Masonry Seal details; modified bill of bars)
167	Pier 2 (Added Concrete Masonry Seal details; modified piling and bar steel)
168	Pier 2 Details (Added Concrete Masonry Seal details; modified bill of bars)
169	Pier 3 (Added Concrete Masonry Seal details; modified piling and bar steel)
170	Pier 3 Details (Added Concrete Masonry Seal details; modified bill of bars)

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. 01**

**5990-00-34**

**August 9, 2018**

**Special Provisions**

**23. Abutment and Pier Construction.**

*Replace entire article language with the following:*

Determine the method of construction, and observe the following conditions:

1. Cofferdams are required at the abutments and piers. Build the cofferdams of non-erodible material.
2. Concrete poured under water will not be allowed at the piers. Dewater and place all pier concrete under dry conditions.
3. Concrete poured under water will be allowed at the abutments. Pour the concrete conforming to standard spec 502.3.5.3. Ensure that the forms are tight to prevent leakage of concrete into the stream. Treat all displaced water by filtration, settling basin, or other means sufficient to reduce the cement content before discharging the water into the stream.

Prior to driving abutment piling, prebore to a depth of 20'-0" below the bottom of the abutments.

**71. Removing Old Structure Over Waterway With Minimal Debris Station 14+54, SPV.0105.05.**

*Add the following sentence to the end of section "A":*

Remove existing piers to the limits noted in the standard specifications, but no lower than elevation 752.5 as noted in the plans.

*Add the following section "M" after section "L":*

- M. Localized dewatering, if required, for river wall saw cuts. Saw cuts below the normal water elevation are anticipated.

**Schedule of Items**

Attached, dated August 9, 2018, are the revised Schedule of Items Pages 3 and 15.

**Plan Sheets**

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:  
Revised: 156, 157, 158, 159, 165, 166, 167, 168, 169 and 170.

END OF ADDENDUM

**Addendum No. 01**  
**ID 5990-00-34**  
**Revised Sheet 156**  
**August 9, 2018**

STATE PROJECT NUMBER		5990-00-34	
BENCHMARKS		NAVD 88	
NO.	STA./OFFSET	DESCRIPTION	ELEV.
1	12+86.2, 23.4'L.T.	TOP NUT OF FIRE HYDRANT	776.39
2	14+53.6, 27.7'L.T.	CHISELED SQUARE, TOP OF PARAPET	779.38

**DESIGN DATA**

**LIVE LOAD:**  
 DESIGN LOADING - HL-93  
 A.A.D.T. (2018) = 6,700  
 A.A.D.T. (2038) = 7,500  
 OPERATIONAL RATING FACTOR = 1.07  
 WISCONSIN STANDARD PERMIT VEHICLE (MS-SPV) = 250 KIPS.  
 STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

**MATERIAL PROPERTIES:**  
 CONCRETE: WISCONSIN CLASS A-ASPH. FASCS, SIDEWALKS, PARAPETS & ALL OTHER / f'c = 4,000 P.S.I.  
 HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 / fy = 3,500 P.S.I.

**FOUNDATION DATA:**  
 ABUTMENTS TO BE SUPPORTED ON PILING OF CONCRETE. A REQUIRED DRIVING RESISTANCE OF 150 TONS \* PER PILE OF EAST ABUTMENT PILES TO A REQUIRED DRIVING RESISTANCE OF 180 TONS \* PER PILE. PILING TO DRIVING ABUTMENT PILING, PREPARE PILES TO BE SUPPORTED ON PILING OF CONCRETE 14 X 0.375-INCH WITH PILE POINTS, DRIVE PER PILES TO A REQUIRED DRIVING RESISTANCE OF 150 TONS \* PER PILE. PILING TO DRIVING ABUTMENT PILING, PREPARE TO MINIMUM LENGTH OF 80'-0" TO PREVENT THEM FROM BEING ON A SHALLOWER DENSE LAYER. REQUIRED DRIVING RESISTANCE IS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTHS ARE 10'-0". ESTIMATED PILE LENGTHS ARE 100'-0".

\* THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR THE FACTORED REQUIRED DRIVING RESISTANCE WILL BE USED BY A RESISTANCE FACTOR OF 0.5.

**HYDRAULIC DATA:**

DRAINAGE AREA	3,310 SQ. MI.
VELOCITY	100 C.F.S.
WATERWAY AREA	7,187 P.F.S.
HIGH WATER (60) ELEVATION	2,250 SQ. FT.
ROADWAY OVERFLOW DESIGN FREQUENCY	768.99
SCOUR CRITICAL CODE	> 100 YEARS
O <sub>2</sub> G,400 C.F.S.J	762.27
VELOCITY <sup>2</sup>	3.4 F.P.S.

**CONSULTANT DESIGN CONTACT:**  
 LEAH RHODES  
 (608) 355-8945

**BRIDGE OFFICE CONTACT:**  
 WILLIAM DREHER  
 (608) 266-9189

NO.	DATE	REVISION	BY
1		ADDED CONCRETE SEAL	RLR

**MSA**  
 CONSULTANT ENGINEER

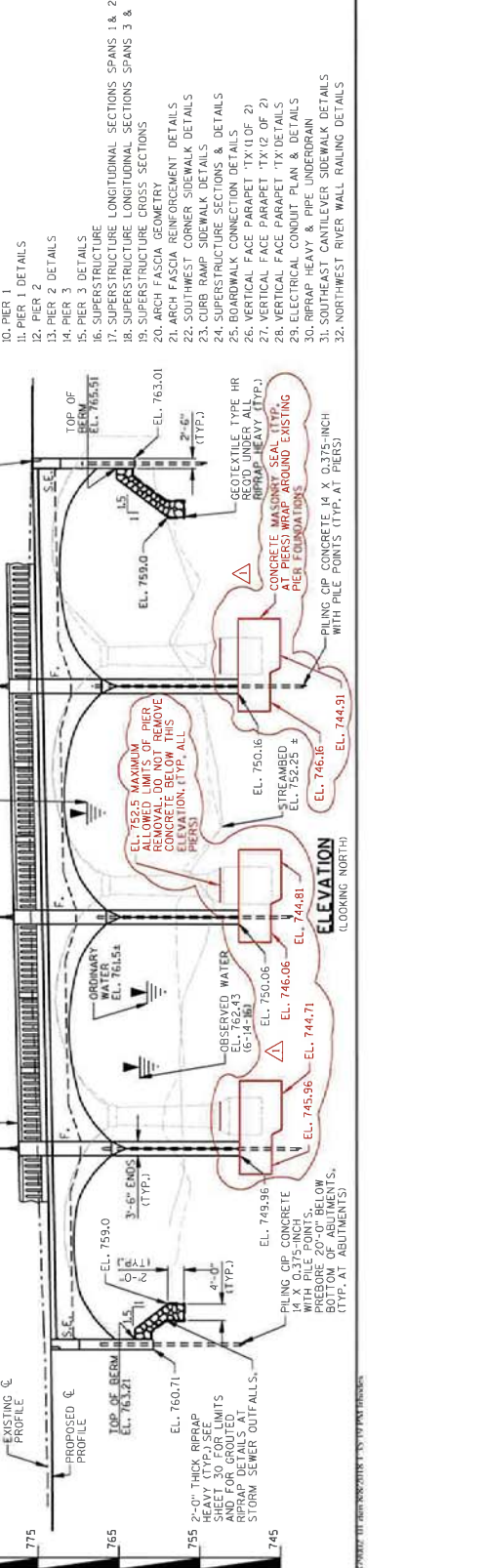
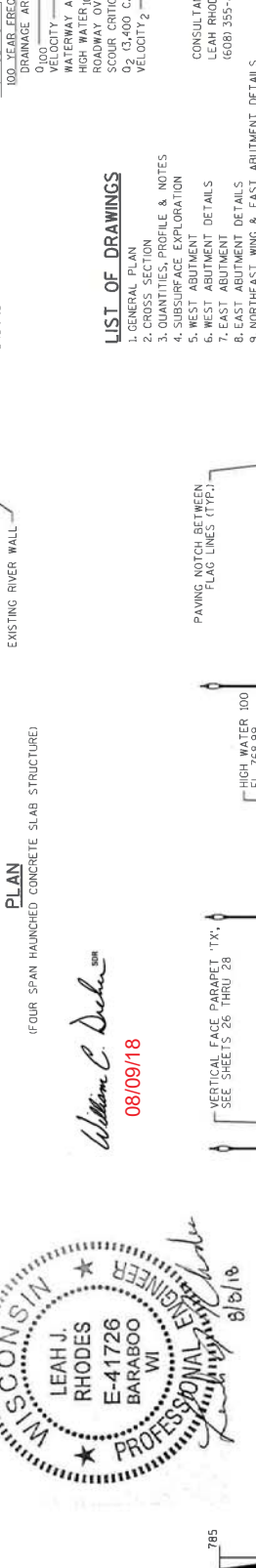
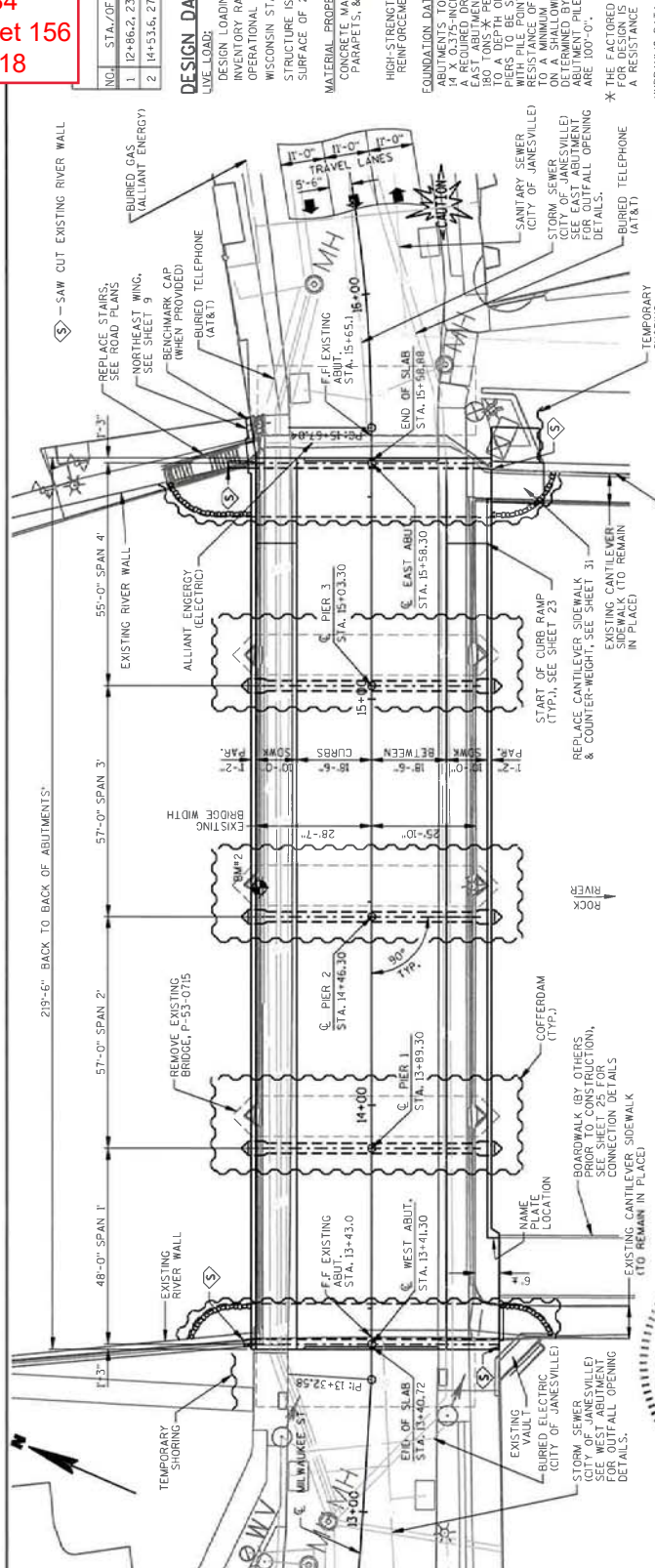
TRANSPORTATION - MUNICIPAL DEVELOPMENT - ENVIRONMENTAL  
 608.355.2111 | 1400.345.0078 | FAX: 608.355.2079

STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION

ACCEPTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHIEF STRUCTURES DESIGN ENGINEER

STRUCTURE		B-53-294	
COUNTY	ROCK	CITY/TOWNSHIP/VILLAGE	JANESVILLE
DESIGN SPEC.	ASHLAND LEAD BRIDGE DESIGN SPECIFICATIONS	PLANS	BY: _____
DESIGNED BY	DHR EXD.	DATE	_____
DRWN	JAS	CHKD	_____
LRD	_____	_____	_____

GENERAL PLAN		SHEET 1 OF 32	
		156	



**LIST OF DRAWINGS**

- GENERAL PLAN
- CROSS SECTION
- QUANTITIES, PROFILE & NOTES
- SUBSURFACE EXPLORATION
- WEST ABUTMENT
- WEST ABUTMENT DETAILS
- EAST ABUTMENT
- EAST ABUTMENT DETAILS
- NORTHEAST WING & EAST ABUTMENT DETAILS
- PIER 1
- PIER 1 DETAILS
- PIER 2
- PIER 2 DETAILS
- PIER 3
- PIER 3 DETAILS
- SUPERSTRUCTURE
- SUPERSTRUCTURE LONGITUDINAL SECTIONS SPANS 1 & 2
- SUPERSTRUCTURE LONGITUDINAL SECTIONS SPANS 3 & 4
- SUPERSTRUCTURE CROSS SECTIONS
- ARCH FASCIA GEOMETRY
- ARCH FASCIA REINFORCEMENT DETAILS
- SOUTH WEST CORNER SIDEWALK DETAILS
- CURB RAMP SIDEWALK DETAILS
- BOARDWALK CONNECTION DETAILS
- BOARDWALK SECTION DETAILS
- VERTICAL FACE PARAPET (TX (OF 2)
- VERTICAL FACE PARAPET (TX (OF 2)
- ELECTRICAL CONDUIT PLAN & DETAILS
- RRRAP HEAVY & PIPE UNDERDRAIN
- SOUTHEAST CANTILEVER SIDEWALK DETAILS
- NORTHWEST RIVER WALL RAILING DETAILS

**PLANNING**  
 (FOUR SPAN HAUNCHED CONCRETE SLAB STRUCTURE)

*William C. Decker*  
 08/09/18

**MSA CONSULTANT ENGINEER**  
 LEAH J. RHODES  
 E-41726  
 BARABOO, WI





**TOTAL STRUCTURE ESTIMATED QUANTITIES**

ITEM NUMBER	BID ITEM	UNIT	WEST ABUTMENT	PIER 1	PIER 2	PIER 3	EAST ABUTMENT	SUPER-STRUCTURE	CANTILEVER SIDEWALK	TOTAL
206.1000.01	EXCAVATION FOR STRUCTURES BRIDGES B-53-294	LS	-	-	-	-	-	-	-	1
206.5000.01	COFFERDAMS B-53-294	LS	-	-	-	-	-	-	-	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	600	-	-	-	600	-	30	1230
500.0100	CONCRETE MASONRY SEAL	CF	53	121	134	125	66	1322	15	1726
501.1100	<b>CONCRETE MASONRY SEAL</b>	CF	-	145	145	145	-	-	-	435
502.2000.01	COMPRESSION JOINT SEALER PREFORMED ELASTOMERIC (2 1/4" INCH)	LF	-	-	-	-	5	19	-	24
502.3000	PROTECTIVE SURFACE TREATMENT	SY	-	-	-	-	-	1430	20	1450
502.3210	PIGMENTED SURFACE SEALER	SY	-	-	-	-	-	450	-	450
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	4785	6255	6415	6530	4485	180490	-	20410
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	-	-	-	-	1060	-	-	1060
505.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	-	2	2	2	-	-	-	6
511.1200.01	TEMPORARY SHORING B-53-294	SF	170	-	-	-	-	130	-	300
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	16	-	-	-	19	-	5	40
550.0010	PRE-BORING UNCONSOLIDATED MATERIALS	LF	160	-	-	-	160	-	-	320
550.0500	PILE POINTS	EACH	8	13	12	14	8	-	-	55
550.2146	PIILING CIP CONCRETE 14X0.375-INCH RIPRAP HEAVY	CF	65	1500	1400	1000	560	-	-	3520
606.0700	PIPE UNDERDRAIN WRAPPED 6-INCH GROUTED RIPRAP HEAVY	CF	15	-	-	-	15	-	-	30
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH RIPRAP HEAVY	LF	65	-	-	-	70	-	-	135
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	160	-	-	-	60	-	-	220
645.0120	GEOTEXTILE TYPE HR	SY	160	-	-	-	210	-	-	370
652.0105	CONDUIT RIGID METALLIC 3/4-INCH	LF	-	-	-	-	-	16	-	16
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	-	-	-	-	-	540	-	540
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3/4-INCH	LF	-	-	-	-	-	670	-	670
652.0235	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	-	-	-	-	-	21	-	21
653.0222	JUNCTION BOXES 18X126-INCH ANCHOR ASSEMBLIES LIGHT POLES ON STRUCTURES	EACH	-	-	-	-	-	7	-	7
657.6005	PARAPET CONCRETE TYPE IV SIDEWALK COVER PLATE	EACH	-	-	-	-	6	401	-	407
5PV.0090.09	REMOVING CURB STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STATION 6+54	LS	-	-	-	-	-	-	-	1
5PV.0105.05	REMOVE EXISTING RAILING	LS	-	-	-	-	-	-	-	1
5PV.0105.09	REMOVE, SALVAGE, MODIFY, AND REATTACH EXISTING RAILING	LS	-	-	-	-	-	-	-	1
5PV.0105.10	RECONSTRUCT CANTILEVER SIDEWALK	LS	-	-	-	-	-	-	-	1
<b>NON-BID ITEMS</b>										
	PREFORMED FILLER	SIZE	-	-	-	-	-	-	-	1/2", 3/4"
	CORK FILLER	SIZE	-	-	-	-	-	-	-	3/4", 1 1/2"

**GENERAL NOTES**

DRAWINGS SHALL NOT BE MODIFIED.  
 BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.  
 THE FIRST DIGIT OF A THREE DIGIT BAR MARK AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFY THE BAR SIZE.  
 THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY OR CROUTED RIPRAP HEAVY AND GEOTEXTILE TYPE HR TO THE LIMITS SHOWN ON SHEETS 1 & 30 AND ON THE ABUTMENT SHEETS OR AS DIRECTED BY THE ENGINEER.

COFFERDAMS ARE REQUIRED FOR THE CONSTRUCTION OF THE ABUTMENTS AND PIERS FOR EXISTING UNDERDRAIN CUTOFFS/REMOVALS FOR EXISTING PIER REMOVALS AND FOR PLACEMENT OF ABUTMENT RIPRAP HEAVY, CROUTED RIPRAP HEAVY, AND GEOTEXTILE TYPE HR. COFFERDAMS PLACED CONCURRENTLY SHALL HAVE A CUMULATIVE WIDTH OF NO MORE THAN 30 FEET MEASURED PERPENDICULAR TO THE DIRECTION OF THE STREAM FLOW.

**AT THE PIERS, COFFERDAMS SHALL BE DEWATERED BEFORE PLACING PIER CONCRETE. THE CONCRETE MASONRY SEAL WAS DESIGNED FOR THE 2-YEAR HIGH WATER ELEVATION OF 762.27.**

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES" FOR THE ABUTMENTS. THE EXISTING STREAMBED SHALL BE THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES" FOR THE PIERS.

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE, UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

THIS STRUCTURE WILL REPLACE EXISTING STRUCTURE P-53-0715, A 2221-FOOT LONG BY 54.4 FOOT WIDE FOUR SPAN, EARTH FILLED CONCRETE SPANDECK ARCH BRIDGE SET ON CONCRETE ABUTMENTS AND CONCRETE PIERS FOUNDED ON TIMBER PILING. 2221-FOOT STRUCTURE LENGTH IS MEASURED BETWEEN THE FRONT FACES OF THE EXISTING ABUTMENTS.

THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE A" REQUIRED DIRECTLY BEHIND ABUTMENTS FOR 3 FEET BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.

BACKFILL PAY LIMITS BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR EXCEPT WHERE THE REQUIRED EXCAVATION LIMITS ARE DEFINED ON THE ROAD PLANS FOR CONTAMINATED SOIL AT THE WEST ABUTMENT.

DO NOT PLACE FILL ABOVE 3'-0" FROM THE BOTTOM OF ABUTMENT UNTIL THE SUPERSTRUCTURE IS IN PLACE.

PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE TOP OF SLAB AND TO THE INSIDE FACE AND TOP OF SIDEWALKS. PROTECTIVE SURFACE TREATMENT SHALL ALSO BE APPLIED TO THE TOP CURB, OUTSIDE EDGE, AND 1'-0" OF THE UNDERSIDE OF THE NEW CANTILEVER SIDEWALK.

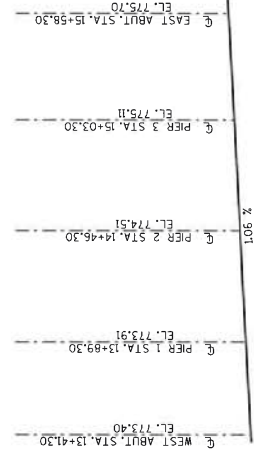
PIGMENTED SURFACE SEALER SHALL BE APPLIED TO THE PARAPETS, PILASTERS FOR LIGHT STANDARDS, AND TO THE EDGE AND EXPOSED UNDERSIDE OF THE SIDEWALK OVERHANGS.

THE AREA OF PARAPET USED TO DETERMINE THE QUANTITY OF PIGMENTED SURFACE SEALER SHALL BE THE LENGTH TIMES THE SUM OF THE INSIDE HEIGHT, TOP WIDTH, AND OUTSIDE HEIGHT FOR EACH PARAPET.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO USGS NAVD 88 (2001 ADJUSTED). BENCHMARK REFERENCES AT THE PROJECT SITE WERE SET BY THE CONSULTANT USING GPS TECHNOLOGY.

SEE SPECIAL PROVISIONS FOR INSTRUCTIONS ON OBTAINING THE EXISTING BRIDGE PLANS.

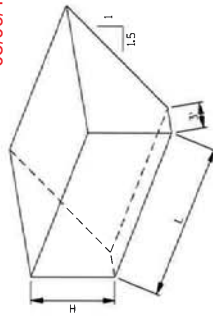
**Addendum No. 01  
 ID 5990-00-34  
 Revised Sheet 158  
 August 9, 2018**



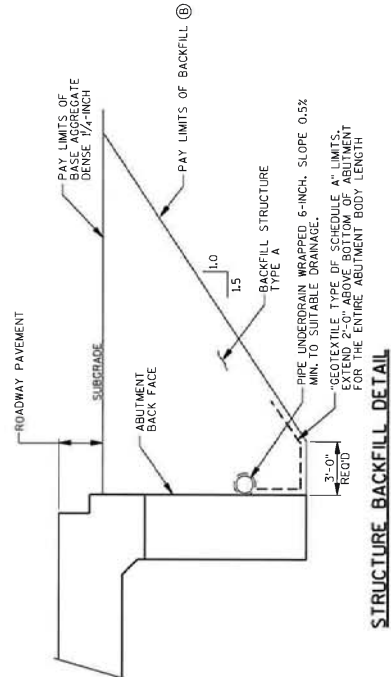
PROFILE GRADE LINE - MILWAUKEE STREET

*William C. Decker*  
 08/09/18

08/09/18



**ABUTMENT BACKFILL DIAGRAM**  
 L = OUT-TO-OUT OF ABUTMENT  
 H = AVERAGE ABUTMENT FILL HEIGHT  
 VCF =  $\frac{1}{2}(1 + \frac{H}{L})$  (2.01/21)



**STRUCTURE BACKFILL DETAIL**



*Leah J. Rhodes*  
 8/17/18

NO. DATE REVISION BY  
 STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION

STRUCTURE B-53-294  
 DRAWN RLR  
 CHECK LUR

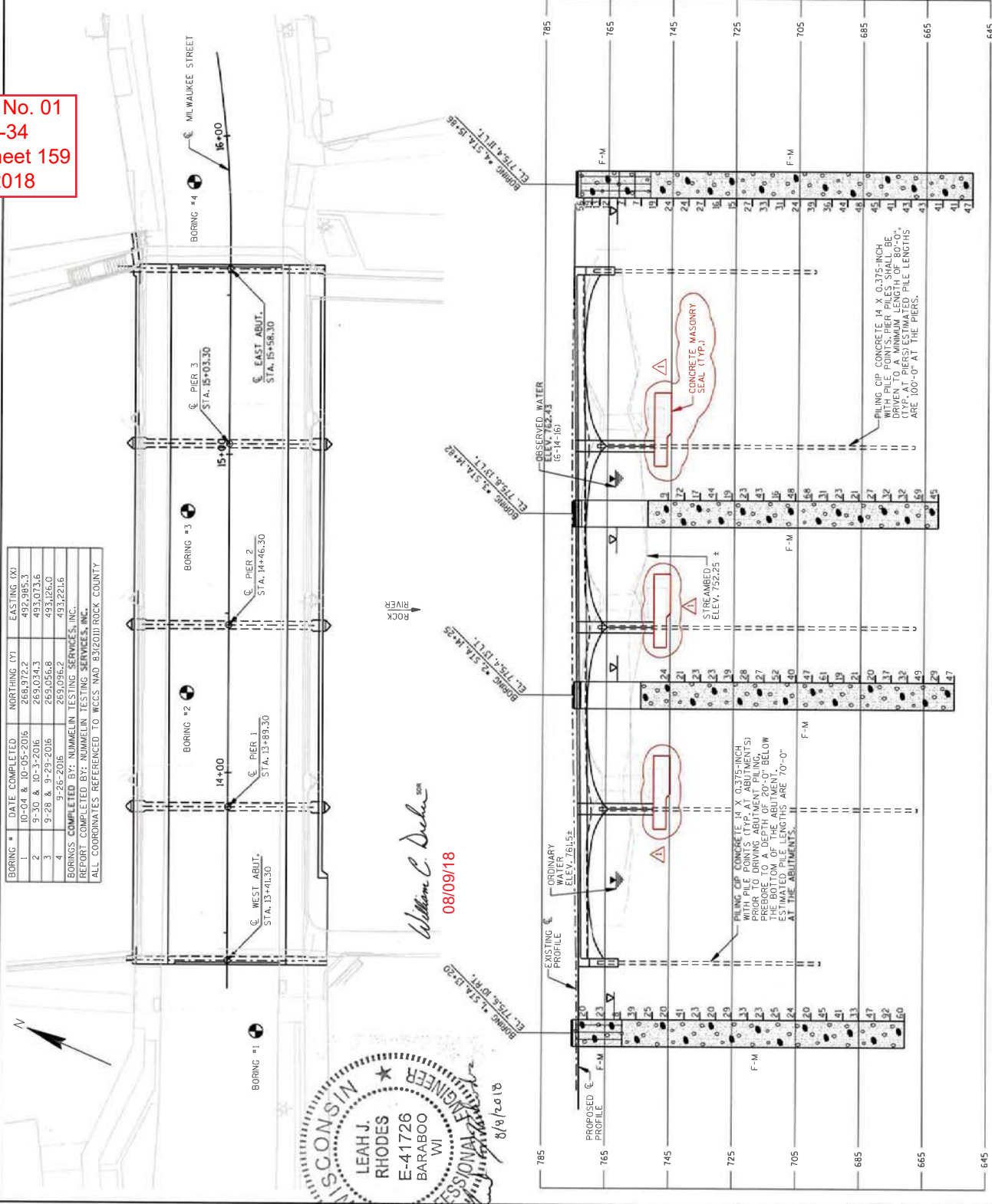
QUANTITIES, PROFILE & NOTES  
 SHEET 3 OF 32  
 158

STATE PROJECT NUMBER  
 5990-00-34

Addendum No. 01  
 ID 5990-00-34  
 Revised Sheet 159  
 August 9, 2018

BORING #	DATE COMPLETED	NORTHING (Y1)	EASTING (X1)
1	10-04 & 10-05-2016	268,972.2	492,985.3
2	9-30 & 10-3-2016	269,034.3	493,073.6
3	9-28 & 9-29-2016	269,056.8	493,126.0
4	9-26-2016	269,096.2	493,221.6

BORINGS COMPLETED BY: NUMMELIN TESTING SERVICES, INC.  
 REPORT COMPLETED BY: NUMMELIN TESTING SERVICES, INC.  
 ALL COORDINATES REFERENCED TO WCCS NAD 83(2011) ROCK COUNTY



STATE PROJECT NUMBER  
**5990-00-34**

**MATERIAL SYMBOLS**

ASPHALT	CONCRETE	SAND	BOULDERS	SHALE	TOPSOIL	FILL	CLAY	LIMESTONE	SANDSTONE	PEAT	GRAVEL	SILT	BEDROCK (UNKNOWN)	IGNEOUS/META
---------	----------	------	----------	-------	---------	------	------	-----------	-----------	------	--------	------	-------------------	--------------

**LEGEND OF BORING**

BORING #1  
 STA. 13+41.30

BORING #2  
 STA. 14+46.30

BORING #3  
 STA. 15+03.30

BORING #4  
 STA. 15+58.30

F-C COBBLE OR BOULDER  
 WEATHERED LIMESTONE  
 CORE RUN #1 24'-29"  
 REC-80A, RDB-72A

UNLESS OTHERWISE SPECIFIED, THE SPT 'N' VALUE IS THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

**GROUND WATER ELEVATION**

▽ AT TIME OF DRILLING  
 ▽ AFTER DRILLING

**ABBREVIATIONS**

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY 10 FEET FROM THE CENTERLINE OF THE BRIDGE. CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE, BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS ARE LIMITED, THE CHARACTER OF THE MATERIALS NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW. SOIL CONDITIONS AND THESE BORINGS, VARIATIONS IN FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

LEAH J. RHODES  
 E-41726  
 BARABOO WI  
 PROFESSIONAL ENGINEER  
 8/8/2018

William C. Dehn  
 08/09/18

IND. DATE	ADDED	CONCRETE SEAL	RCR
		REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE		B-53-294	PLANS
SUBSURFACE EXPLORATION			LUR
		SHEET	4 OF 32
			159

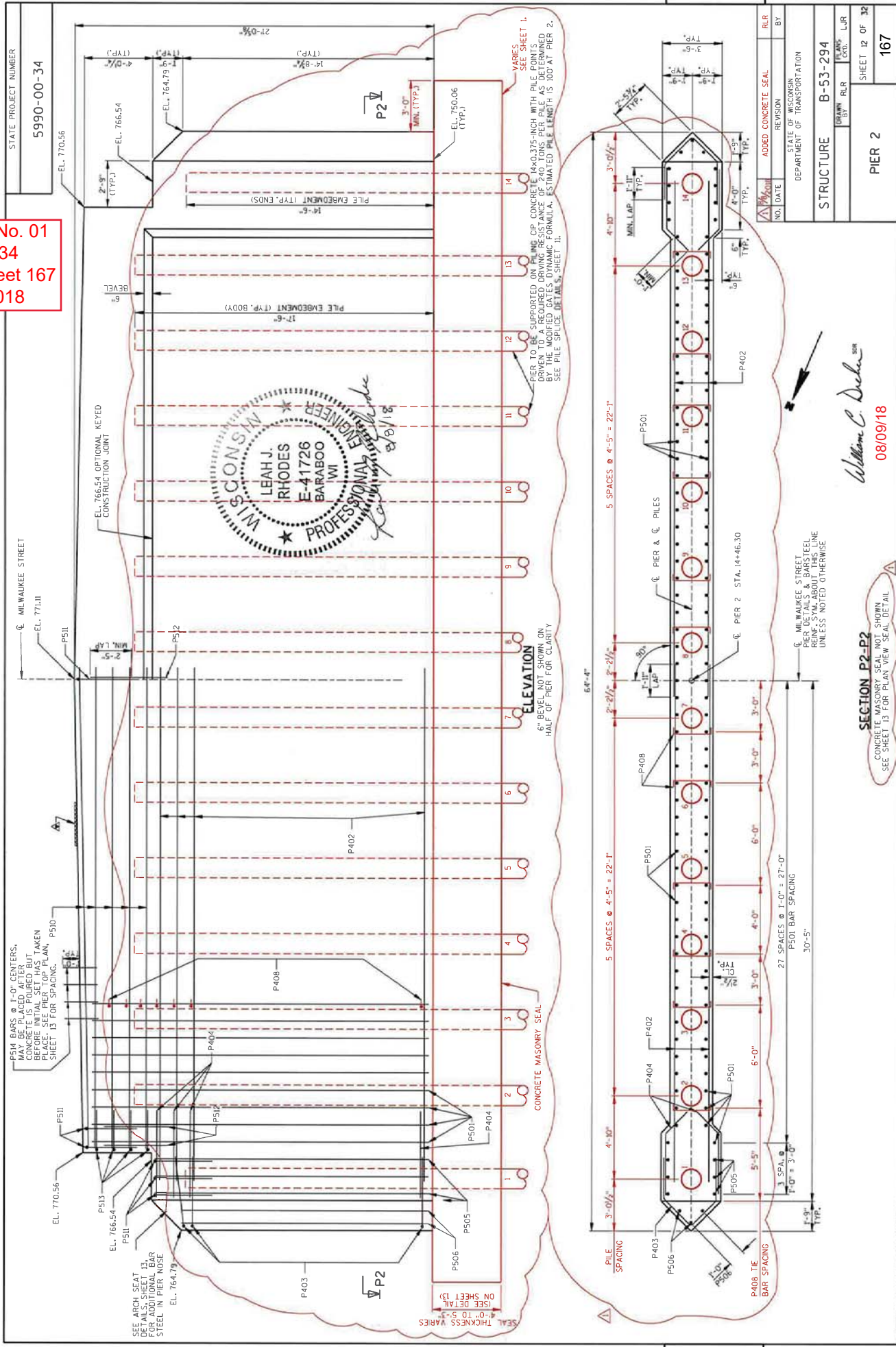








Addendum No. 01  
 ID 5990-00-34  
 Revised Sheet 167  
 August 9, 2018



STATE PROJECT NUMBER  
 5990-00-34

NO.	DATE	REVISION	BY
ADDED CONCRETE SEAL			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE		B-53-294	
PIER 2			
DRAWN BY		RLR	PLANS LJR
CHECKED BY		RLR	EXTD. LJR
SHEET 12 OF 32		167	

*William C. Dehn*  
 08/09/18

EL. 770.56  
 EL. 766.54  
 EL. 764.79  
 EL. 750.06

PILE SPACING  
 3'-0" @ 4'-5" = 22'-1"  
 5 SPACES @ 4'-5" = 22'-1"  
 6'-4"  
 2'-2 1/2" @ 3'-2 1/2" = 22'-1"  
 5 SPACES @ 4'-5" = 22'-1"  
 6'-4"  
 3'-0" @ 1'-0" = 27'-0"  
 27 SPACES @ 1'-0" = 27'-0"  
 30'-5"  
 3 SPA. @ 1'-0" = 3'-0"  
 1'-0" @ 3'-0"  
 1'-9" TYP.

PS14 BARS @ 1'-0" CENTERS, TO BE INSTALLED BEFORE CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. SEE PIER TOP PLAN, SHEET 15 FOR SPACING.

SEE ARCH SEAT DETAIL ON SHEET 13A FOR STEEL IN PIER NOSE

SEAL THICKNESS VARIES

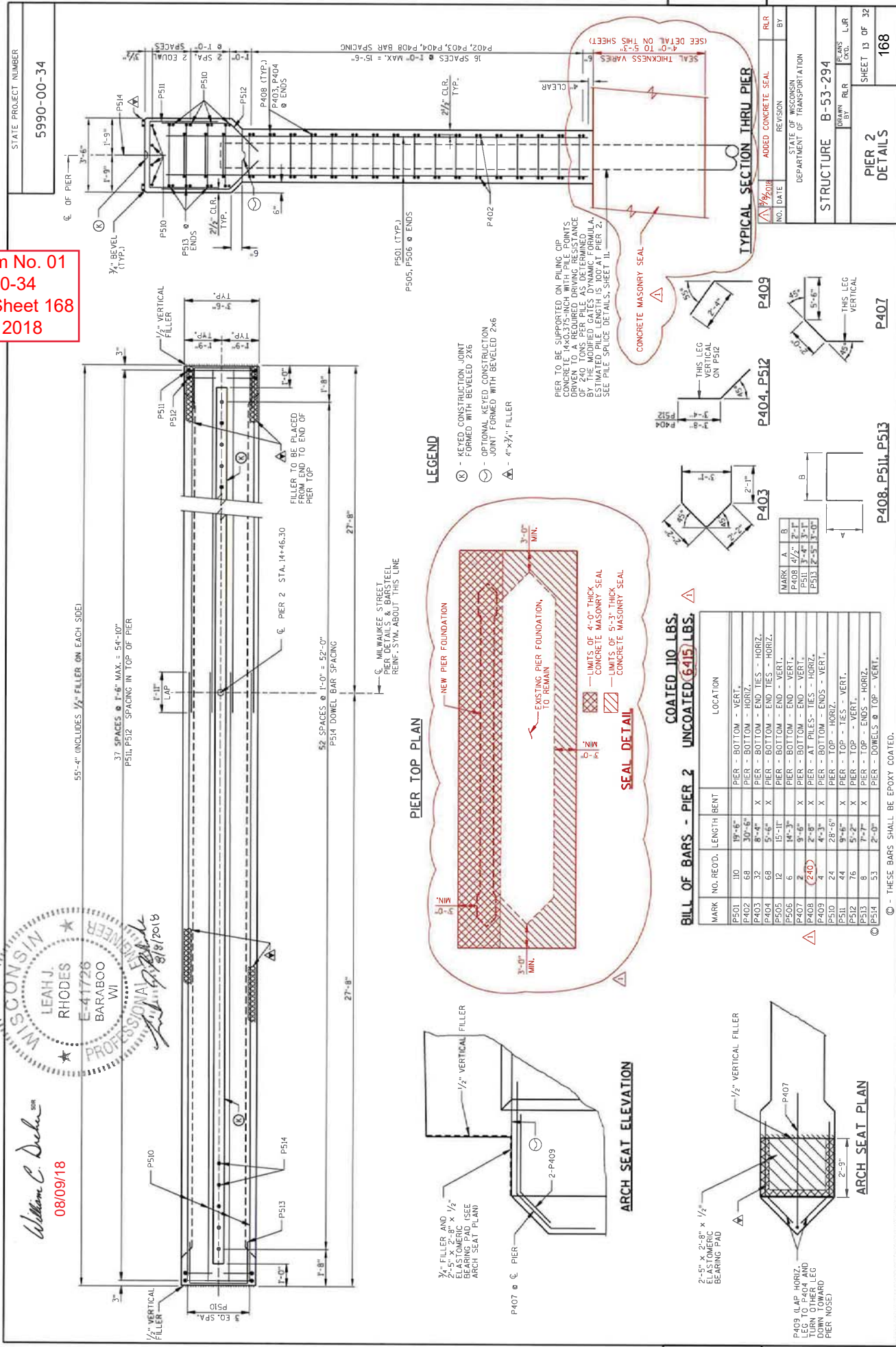
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Addendum No. 01  
 ID 5990-00-34  
 Revised Sheet 168  
 August 9, 2018



William C. Decker  
 08/09/18



**PIER TOP PLAN**

**ARCH SEAT ELEVATION**

**ARCH SEAT PLAN**

**SEAL DETAIL**

**LEGEND**

**BILL OF BARS - PIER 2**

**TYPICAL SECTION THRU PIER**

**PIER 2 DETAILS**

KEYED CONSTRUCTION JOINT FORMED WITH BEVELED ZMS  
 OPTIONAL KEYED CONSTRUCTION JOINT FORMED WITH BEVELED ZMS  
 4"x3/4" FILLER

NEW PIER FOUNDATION  
 EXISTING PIER FOUNDATION TO REMAIN  
 LIMITS OF 4'-0" THICK CONCRETE MASONRY SEAL  
 LIMITS OF 5'-3" THICK CONCRETE MASONRY SEAL

PIER TO BE SUPPORTED ON PILING OR CONCRETE 14X20.75-INCH WITH PILE POINTS DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE AS DETERMINED BY TESTS. ESTIMATED PILE LENGTH IS 100' AT PIER 2. SEE PILE SPLICE DETAILS, SHEET 11.

COATED 110 LBS.  
 UNCOATED (6415) LBS.

CONCRETE MASONRY SEAL

THIS LEG VERTICAL ON P512

THIS LEG VERTICAL

CONCRETE MASONRY SEAL

CONCRETE MASONRY SEAL

CONCRETE MASONRY SEAL

CONCRETE MASONRY SEAL

MARK	A	B
P408	4 1/2"	2'-1"
P511	3'-4"	3'-1"
P513	2'-5"	3'-0"

MARK	NO.	REQ'D.	LENGTH	BENT	LOCATION
P501	110	19'-6"			PIER - BOTTOM - VERT.
P402	68	30'-6"			PIER - BOTTOM - HORIZ.
P403	32	8'-4"	X		PIER - BOTTOM - END TIES - HORIZ.
P404	68	5'-6"	X		PIER - BOTTOM - END TIES - HORIZ.
P505	12	15'-11"			PIER - BOTTOM - END - VERT.
P506	6	14'-3"	X		PIER - BOTTOM - END - VERT.
P408	240	9'-6"	X		PIER - ALL PILES - HORIZ.
P409	4	4'-3"	X		PIER - TOP - HORIZ.
P510	24	28'-6"			PIER - TOP - TIES - VERT.
P511	44	9'-6"	X		PIER - TOP - VERT.
P512	76	5'-2"	X		PIER - TOP - VERT.
P513	8	7'-7"	X		PIER - TOP - ENDS - HORIZ.
P514	5.3	2'-0"			PIER - DOWELS @ TOP - VERT.

© - THESE BARS SHALL BE EPOXY COATED.

STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION

STRUCTURE B-53-294

PIER 2

SHEET 13 OF 32

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FILE # 879002.13.DGN









Proposal Schedule of Items

Proposal ID: 20180814002 Project(s): 5990-00-34

Federal ID(s): 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
0064	502.2000 Compression Joint Sealer Preformed Elastomeric (width) 01. 2 1/4-Inch	24.000 LF	_____.	_____.
0066	502.3200 Protective Surface Treatment	1,450.000 SY	_____.	_____.
0068	502.3210 Pigmented Surface Sealer	450.000 SY	_____.	_____.
0070	505.0400 Bar Steel Reinforcement HS Structures	28,410.000 LB	_____.	_____.
0072	505.0600 Bar Steel Reinforcement HS Coated Structures	183,390.000 LB	_____.	_____.
0074	506.2605 Bearing Pads Elastomeric Non-Laminated	6.000 EACH	_____.	_____.
0076	511.1200 Temporary Shoring (structure) 01. B-53-294	300.000 SF	_____.	_____.
0078	516.0500 Rubberized Membrane Waterproofing	40.000 SY	_____.	_____.
0080	522.1060 Apron Endwalls for Culvert Pipe Reinforced Concrete 60-Inch	1.000 EACH	_____.	_____.
0082	550.0010 Pre-Boring Unconsolidated Materials	320.000 LF	_____.	_____.
0084	550.0500 Pile Points	55.000 EACH	_____.	_____.
0086	550.2146 Piling CIP Concrete 14 X 0.375-Inch	5,620.000 LF	_____.	_____.
0088	601.0417 Concrete Curb & Gutter 30-Inch Type K	585.000 LF	_____.	_____.
0090	601.0419 Concrete Curb & Gutter 30-Inch Type L	125.000 LF	_____.	_____.
0092	601.0600 Concrete Curb Pedestrian	25.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20180814002 Project(s): 5990-00-34

Federal ID(s): 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
0420	SPV.0165 Special 07. Abandoned Vault Removal Reinforced Concrete 10"+, Depth to 5'	50.000 SF	_____.	_____.
0422	SPV.0165 Special 08. Abandoned Vault Removal Reinforced Concrete 10"+, Depth Over 5'	50.000 SF	_____.	_____.
0424	SPV.0165 Special 09. Structural Sidewalk Special	210.000 SF	_____.	_____.
0426	SPV.0165 Special 10. Construction Staking Sidewalk	150.000 SF	_____.	_____.
0428	SPV.0180 Special 01. Shredded Hardwood Bark Mulch	28.000 SY	_____.	_____.
0430	SPV.0195 Special 01. Excavation, Hauling, and Disposal of PAH Contaminated Soil	400.000 TON	_____.	_____.
0432	502.1100 Concrete Masonry Seal	435.000 CY	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

