

Wisconsin Department of Transportation

May 17, 2016

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 #04: 1206-04-63, WISC 2016 219
Sauk City - Cambridge
Yahara River B-13-0315 and B-13-0316
USH 12
Dane County

Letting of June 14, 2016

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

Special Provisions

Revised Special Provisions	
Article No.	Description
14	Pile Rehabilitation, Item SPV.0060.01

Schedule of Items

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
SPV.0060.01	Pile Rehabilitation	EA	776	6	782

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
637.2210	Signs Type II Reflective H	SF	0	12	12
638.2602	Removing Signs Type II	EA	0	4	4

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
17	Miscellaneous Quantities (added quantity)
56	General Plan 1 of 3 (revised quantity)
59	Cross Section & Quantities (revised Pier 32 quantity)
60	General Plan 1 of 3 (revised quantity)
63	Cross Section & Quantities (revised Pier 32 quantity)

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
55A	Sign (for added "slow no wake signs)
55B	Standard Sign - Sign Banding Details (for added "slow no wake" signs)

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

1206-04-63

May 17, 2016

Special Provisions

14. Pile Rehabilitation, Item SPV.0060.01

Replace entire article language with the following:

A Description

This special provision describes the furnishing and installing a pile rehabilitation system. The system consists of a corrosion protection barrier along with mechanical protection against ice, impact damage and other environmental hazards and must effectively prevent further corrosion of the piles.

B Materials

B.1 Products

Use one of the following systems:

- Denso SeaShield 2000HD
- Stopaq Composite System

No product names, logos, or other advertisements may be visible on the pile rehabilitation system.

B.2 Submittals

Provide documentation from the manufacturer that the contractor is certified to install their product and that all workers installing the product have received installation training. Invite the engineer and department personnel to attend all training provided by the manufacturer at no cost to the department.

Submit product data indicating product standards, physical and chemical characteristics, technical specifications, limitations, shelf life, storage conditions, installation instructions, maintenance instructions and general recommendations regarding each individual material.

Submit working drawings that detail the type, number of layers, and orientation of all materials and coatings to be installed.

Submit Manufacturer's Material Safety Data Sheets (MSDS) for all materials to be used.

Submit material certifications and quality control test data for each individual batch of material along with the batch codes.

B.3 Navigational Marking

Furnish yellow type F and red or green type SH reflective sheeting from the department's approved products list. If the manufacturer provides a warranty for the reflective sheeting, turn the warranty over to the department.

B.4 Denso SeaShield 2000HD

The system includes all materials as defined by the manufacturer. The required materials include, but are not limited to, the following:

- Denso Paste S105
- Denso Marine Piling Tape
- SeaShield Series 2000HD Outercover
 - Outercover should be custom fabricated to the correct diameter of the pile.
- 316 SS Marine Grade Bolts, Nuts, and Washers

B.8 Stopaq Composite System

The system includes all materials as defined by the manufacturer. The required materials include, but are not limited to, the following:

- Stopaq Wrappingband CZ
- Stopaq Wrappingband SZ
- Stopaq Subsea Intermediate Wrap PVC
- Stopaq Outerglass Shield XT Grey
- Stopaq Outerwrap HSPEX

C Construction

C.1 General

Perform work in accordance with the manufacturer's application procedures. A representative of the approved manufacturer must be on site at the beginning of the project and must oversee the rehabilitation system installation on a minimum of 25 piles. Follow all preparation, application, storage, handling, safety, and all other procedures required for use as listed or described in the product data sheets and installation instructions.

C.2 Delivery, Storage, and Handling

Deliver material to project in sealed, original packages or containers bearing name and brand of Manufacturer and date manufactured.

Store materials at temperatures within the range recommended by the Manufacturer. Avoid contact with soil, moisture, and UV exposure. Do not install materials that have been improperly stored or that have an expired shelf life.

C.3 Surface Preparation

Prepare the entire surface of each pile in accordance with manufacturer recommendations and the following minimum requirements:

- Clean surface of any dirt, marine growth and loose material
- Remove poorly adhering and flaking or blistered paint. Firmly adhering paint may remain on the surface.
- Clean surface of piles in accordance with SSPC-SP-2, or SP-3, "Hand Tool Cleaning" or "Power Tool Cleaning" respectively.
- Remove all sharp edges and protrusions by cutting and grinding remnants flush with the substrate.

Prepare the surface in a manner that will provide a profile necessary to meet the bond requirements of the system installed.

C.4 Excavation

Remove existing ground or stream bed material around pile as needed to install the pile rehabilitation system to the plan elevation. Prevent the flow of material back into the excavation to ensure system is installed onto a clean pile. Demonstrate that the product is fully in contact with the pile. Evidence of mud or debris between the pile and the corrosion prevention system is cause for rejection of the installation. After system installation, completely backfill excavation by redepositing material back to the original ground line.

C.5 Containment

Work within the turbidity barrier in such a manner to prevent any debris from contaminating the surrounding environment.

C.6 Navigational Marking

If using a pile rehabilitation system with a flange that would interfere with navigational marking tape, face the flange inward on the exterior piles and adhere the tape to the side that is facing navigational traffic.

Install the navigational marking as indicated on the plan set. Ensure that the mounting surface is clean and dry; free from any oils, dirt, or solvent; and prepared according to the reflective material manufacturer’s recommendations. Apply reflective sheeting according to the manufacturer’s recommendations.

C.7 Denso SeaShield 2000HD

In the final condition, the bolts used to secure the outercover must protrude no more than 1/8” past the nut with no sharp edges.

C.8 Stopaq Composite System

Install Wrappingband SZ below the water line at the time of installation and at any locations where a completely dry surface cannot be achieved.

Install Wrappingband CZ only where the surface of the pile is completely dry prior to and during installation.

Install Stopaq Subsea Intermediate Wrap PVC below elevation 846.00 on piers 1-20, below elevation 847.50 on piers 21-23 & 26-32, and the full length of the piles on piers 24-25.

Install Stopaq Outerglass Shield XT Grey below elevation 846.00 on piers 1-20, below elevation 847.50 on piers 21-23 & 26-32, and the full length of the piles on piers 24-25. Apply with a minimum overlap of 67% to create a three ply wrap.

Install Stopaq Outerwrap HSPEX the full length of the piles on piers 1-20 and from the pier cap down to elevation 843.5 on piers 21-32. Apply from the bottom up.

D Measurement

The department will measure Pile Rehabilitation for each pile, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.01	Pile Rehabilitation	Each

Payment for Pile Rehabilitation is full compensation for providing and installing the chosen corrosion protection system, including surface preparation, excavation and backfill; and installation of the navigational marking tape. No additional payment will be made for shoring, additional excavation or additional backfill.

Schedule of Items

Attached, dated May 17, are the revised Schedule of Items Page 2.

Plan Sheets

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

Revised: 17, 56, 59, 60 and 63.

Added: 55A and 55B.

END OF ADDENDUM

MOBILIZATIONS EROSION CONTROL

628.1905	MOBILIZATIONS	628.1910	MOBILIZATIONS
	EROSION CONTROL EACH		EMERGENCY EROSION CONTROL EACH
10	6		
ACCESS ROADS			
10	6		
TOTAL			

MOBILIZATION

619.1000	MOBILIZATION EACH
1	1
TOTAL	

TRAFFIC CONTROL

643.0100	TRAFFIC CONTROL PROJECT EACH
1	1
TOTAL	

FIELD OFFICE

642.5401	FIELD OFFICE TYPE D EACH
1	1
TOTAL	

TURBIDITY BARRIER

LOCATION	STATION	STATION	LENGTH (FT)	DEPTH	628.6005 TURBIDITY BARRIERS SY
NORTH SIDE	100+00	116+00	1600	4	712
SOUTH SIDE	100+00	116+00	1400	4	623
PIER 21 - 22	116+20	117+40	460	6.5	333
PIER 23 - 24	117+50	118+60	450	8	400
PIER 25 - 27	119+30	121+30	620	8	552
PIER 28 - 30	121+40	123+70	725	6.5	524
PIER 31 - ABUTMENT	123+80	125+60	640	4	285
TOTAL					3,429

SILT FENCE

LOCATION	STATION -	STATION	LF	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
SOUTH SIDE	100+50	116+40	1,590	1,590	1,590
TOTAL			1,590	1,590	1,590

ADDENDUM NO. 01

ID 1206-04-63

Revised Sheet 17

May 17, 2016

SIGNING

LOCATION	MESSAGE	QTY	SIZE	628.2602 REMOVING SIGNS TYPE II EACH	637.2210 SIGNS REFLECTIVE H SF
WATERWAY SIGNING	SLOW NO WAKE	4	24"X18"	4	12
TOTAL				4	12

TURBIDITY BARRIER

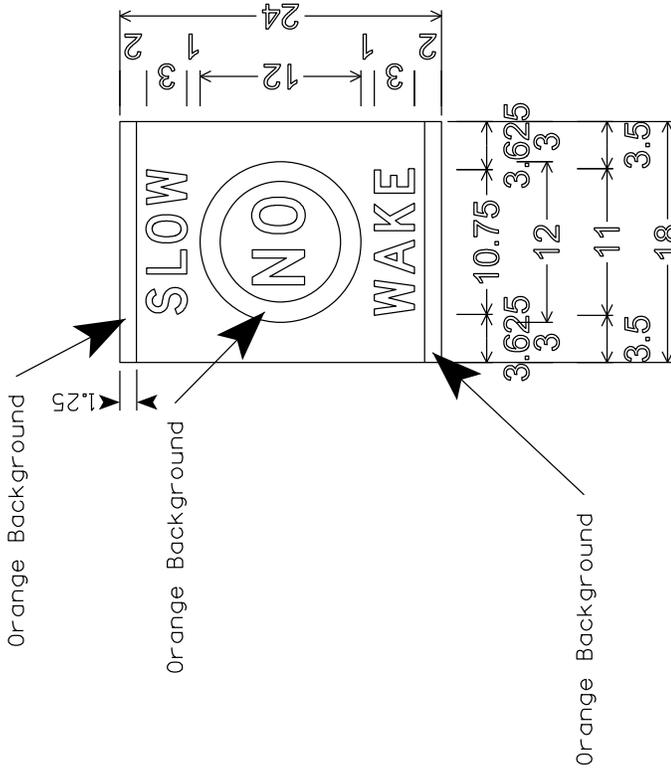
LOCATION	STATION	STATION	LENGTH (FT)	DEPTH	628.6005 TURBIDITY BARRIERS SY
NORTH SIDE	100+00	116+00	1600	4	712
SOUTH SIDE	100+00	116+00	1400	4	623
PIER 21 - 22	116+20	117+40	460	6.5	333
PIER 23 - 24	117+50	118+60	450	8	400
PIER 25 - 27	119+30	121+30	620	8	552
PIER 28 - 30	121+40	123+70	725	6.5	524
PIER 31 - ABUTMENT	123+80	125+60	640	4	285
TOTAL					3,429

TRAFFIC CONTROL

643.0100	TRAFFIC CONTROL PROJECT EACH
1	1
TOTAL	

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
Background - White except as noted
Message - Black
3. Message Series - D



1.125" Radius, 0.375" Border, 0.375" Indent, Black on White;

"SLOW" D;

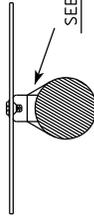
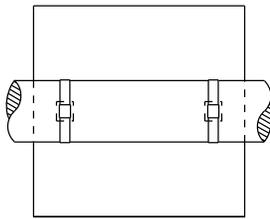
"NO" Black D;

"WAKE" D;

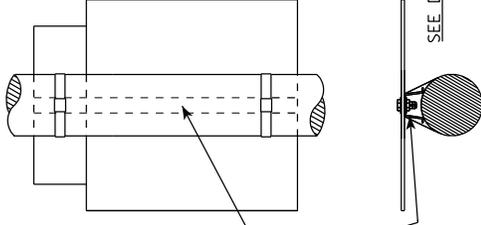
Addendum No. 01
ID 1206-04-63
Added Sheet 55A
May 17, 2016

BANDING

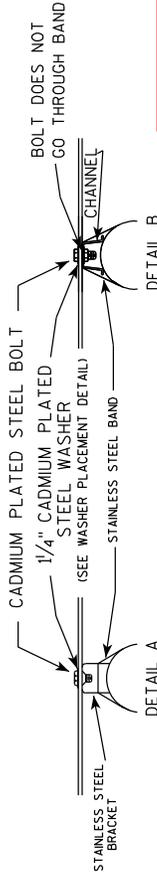
SINGLE SIGN



"J" ASSEMBLY



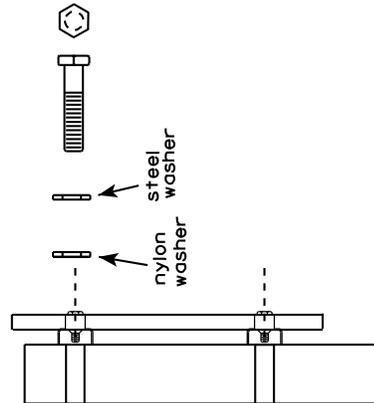
CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET



DETAIL A

DETAIL B

WASHER PLACEMENT



WASHERS (ALL POSTS) -

- 1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
 - 1-1/4" O.D. X 3/8" I.D. X .080 NYLON
- FOR ALL TYPE H SIGNS

GENERAL NOTES

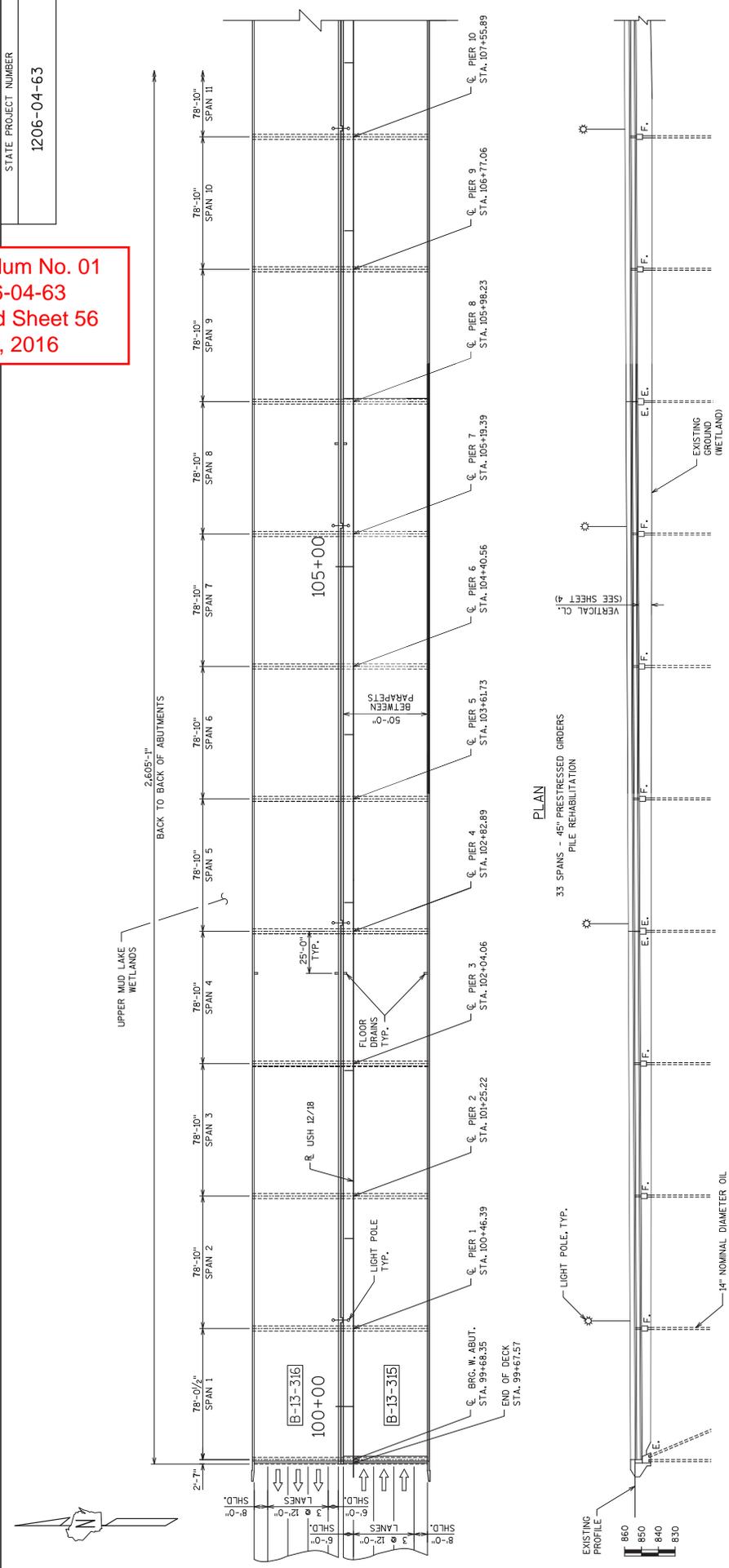
1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.

Addendum No. 01
ID 1206-04-63
Added Sheet 55B
May 17, 2016

STANDARD SIGN
SIGN BANDING DETAILS
WISCONSIN DEPT OF TRANSPORTATION
APPROVED <i>Matthew R. Kouch</i> for State Traffic Engineer
DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	COUNTY:	HWY:	SHEET NO: 55B	E
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Addendum No. 01
 ID 1206-04-63
 Revised Sheet 56
 May 17, 2016



NO.	DATE	PILE REHABILITATION QUANTITY	REVISION	BY
1	5-10-16			

AECOM
 15855 N. RiverCenter Drive
 Suite 200
 Milwaukee, WI 53212
 (414) 944-6080

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION

ACCEPTED: _____ DATE: _____
 CHIEF STRUCTURES DESIGN ENGINEER

STRUCTURE B-13-315
 EB USH 12/18 (BE LINE) OVER YAHARRA RIVER
 COUNTY: DANE TOWN/CITY/VILLAGE: MONONA
 DESIGN SPEC.: N/A
 REHABILITATION: N/A
 ASSIGNED JOB: MAD
 DRAWN BY: MAD
 CHECKED BY: MAD
 PLANS JOB (C.D.): MAD

GENERAL NOTES
 THE PROPOSED WORK INCLUDES CORROSION PROTECTION REHABILITATION OF THE EXISTING STEEL PIPE PILES.
 ELEVATIONS ARE REFERENCED TO NAVD 88
 DRAWINGS SHALL NOT BE SCALED.
 DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

HYDRAULIC DATA
 (TAKEN FROM HSL 02/02/2015)
 100 YEAR FREQUENCY:
 Q = 100 CFS
 VELOCITY = 0.2 FPS
 HW / DOO ELEV. = 847.6
 WATERWAY AREA = 9420 SQ. FT.
 DRAINAGE AREA = 281 SQ. MI.
 OVERTOPPING RD = N/A

DESIGN DATA
 LIVE LOAD: HS20
 DESIGN LOADING: HS20
 INVENTORY RATING: HS14
 OPERATING RATING: HS24
 WISCONSIN STANDARD PERMIT VEHICLE (MS-SPV) = 190 KIPS
 (RATING TAKEN FROM 2014 POLYMER OVERLAY PLANS)

TRAFFIC VOLUME
 USH 12 & 18
 A.D.T. = 56,900 (2006)
 R.D.S. = 60 MP.H.

LEGEND
 E. = EXPANSION
 F. = FIXED

GENERAL NOTES
 THE PROPOSED WORK INCLUDES CORROSION PROTECTION REHABILITATION OF THE EXISTING STEEL PIPE PILES.
 ELEVATIONS ARE REFERENCED TO NAVD 88
 DRAWINGS SHALL NOT BE SCALED.
 DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

LIST OF DRAWINGS
 1. GENERAL PLAN 1 OF 3
 2. GENERAL PLAN 2 OF 3
 3. GENERAL PLAN 3 OF 3
 4. CROSS SECTION & QUANTITIES

BID. ITEM	DESCRIPTION	UNIT	TOTAL
SPV-0060.01	PILE REHABILITATION	EACH	379
TOTAL ESTIMATED QUANTITIES			

STRUCTURE DESIGN CONTACTS
 CONSULTANT: JUSTIN BOHLER 414-944-6336
 BRIDGE OFFICE: WILLIAM DREHER 608-266-8489

DATE: 5/17/2016
 I.D., JUSTIN BOHLER

William C. Decker SDR
 05/16/16

GENERAL PLAN
 1 OF 3
 SHEET 1 OF 4
 56

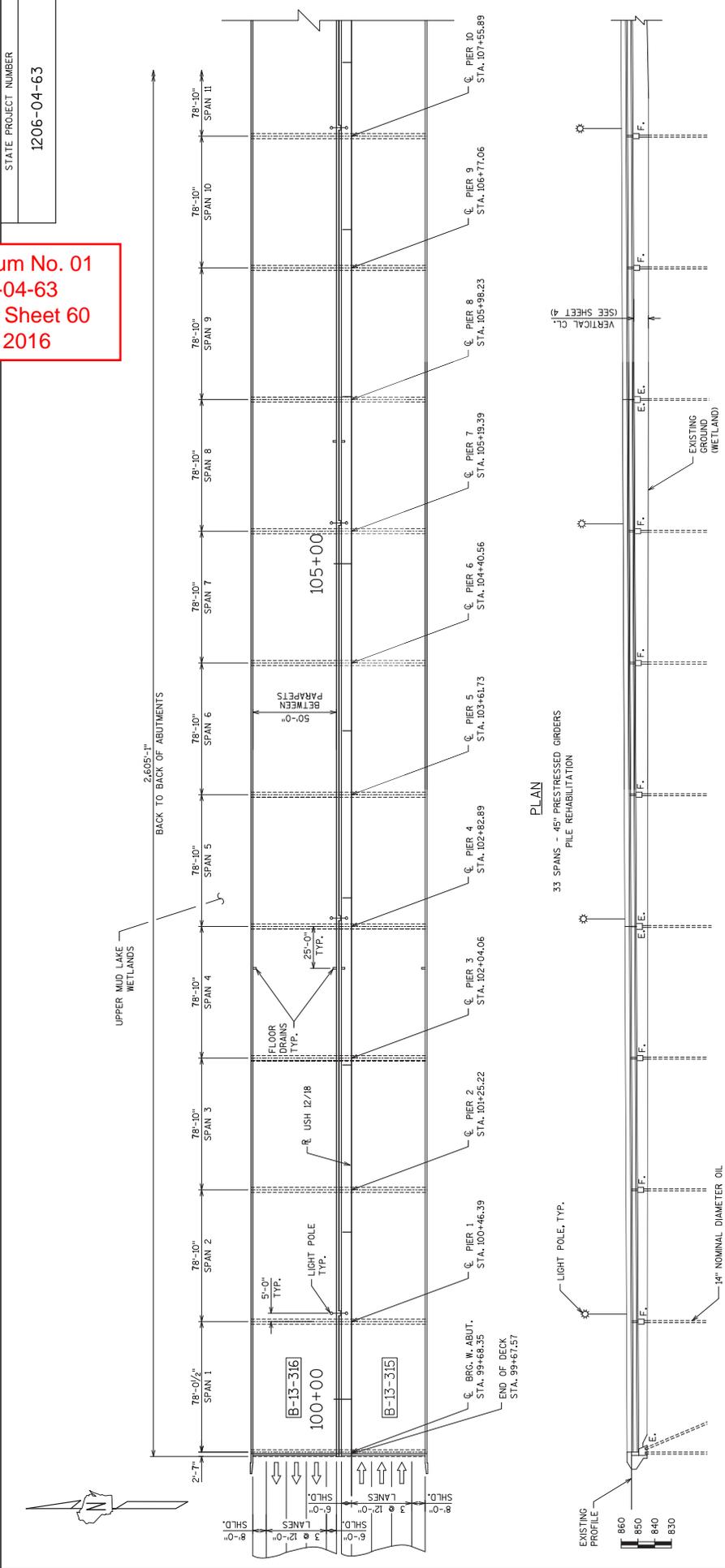
FILE: \\S1102K306\Projects\Transportation\Yaharra Bridge\CADD\Structures\116 Rehdb\Final\B-13-315\B13315_01_gp.dgn

UPPER MUD LAKE WETLANDS
 BACK TO BACK OF ABUTMENTS
 2,605'-1"

EXISTING PROFILE
 860
 840
 830

8

Addendum No. 01
ID 1206-04-63
Revised Sheet 60
May 17, 2016



1	5-11-16	PILE REHABILITATION QUANTITY	JOB NO.	DATE	REVISION	BY
<p>AECOM</p> <p>15855 N. RiverCenter Drive Suite 200 Milwaukee, WI 53212 (414) 944-6080</p> <p>STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION</p> <p>ACCEPTED: CHIEF STRUCTURES DESIGN ENGINEER DATE</p> <p>STRUCTURE B-13-316</p> <p>WB USH 12/18 (BELTLINE) OVER YAHARRA RIVER</p> <p>COUNTY: DANE TOWN/CITY/VILLAGE: MONONA</p> <p>DESIGN SPEC.: REHABILITATION N/A</p> <p>DESIGNED BY: JDB MJC MAD BRN JOB CDD. MAD</p> <p>PLANS SHEET 1 OF 4</p> <p>GENERAL PLAN 1 OF 3</p> <p>SHEET 60</p>						

FILE: \\S1102K306\Projects\Transportation\Yaharra_Beltline\CADD\Structures\Plan_Rehab\Final\B-13-316\B316_01_gp.dgn

DATE: 5/17/2016 1:01 PM

CONSULTANT: JUSTIN BOHLER 414-944-6336
BRIDGE OFFICE: WILLIAM DREHER 608-266-8489

STRUCTURE DESIGN CONTACTS

JUSTIN BOHLER
WILLIAM DREHER

05/16/16

William C. Decker SR

GENERAL NOTES

1. THE PROPOSED WORK INCLUDES CORROSION PROTECTION REHABILITATION OF THE EXISTING STEEL PIPE PILES.

2. ELEVATIONS ARE REFERENCED TO NAVD 88

3. DRAWINGS SHALL NOT BE SCALED.

4. DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DESIGN DATA

LIVE LOAD: HS20

DESIGN LOADING: HS20

INVENTORY RATING: HS14

WORKING RATING: HS24

WISCONSIN STANDARD PERMIT VEHICLE (MS-SPV) = 180 KIPS

(RATING TAKEN FROM 2014 POLYMER OVERLAY PLANS)

HYDRAULIC DATA

(TAKEN FROM HSI, 02/02/2015)

100-YEAR FREQUENCY: 0.100

VELOCITY = 60.2 CFS

HW / 100 ELEV. = 847.6

WATERWAY AREA = 9420 SQ. FT.

DRAINAGE AREA = 281 SQ. MI.

OVERTOPPING RD = N/A

TRAFFIC VOLUME

USH 12 & 18

A.D.T. = 56,000 (2006)

R.D.S.S. = 60 MP.H.

LIST OF DRAWINGS

1. GENERAL PLAN 1 OF 3

2. GENERAL PLAN 2 OF 3

3. GENERAL PLAN 3 OF 3

4. CROSS SECTION & QUANTITIES

TOTAL ESTIMATED QUANTITIES

BID ITEM	DESCRIPTION	UNIT	TOTAL
SPV.0060.01	PILE REHABILITATION	EACH	403

LEGEND

E. = EXPANSION

F. = FIXED

8

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160614004

PROJECT(S):
1206-04-63

FEDERAL ID(S):
WISC 2016219

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	SPV.0060 Special 01. Pile Rehabilitation	782.000 EACH	.		.	
0120	SPV.0105 Special 01. Site Access	LUMP	LUMP		.	
0130	637.2210 Signs Type II Reflective H	12.000 SF	.		.	
0140	638.2602 Removing Signs Type II	4.000 EACH	.		.	
	SECTION 0001 TOTAL				.	
	TOTAL BID				.	